Page Title: Documentation Page

On this page

Integrations

Overview

The module lists all the different technologies, applications, databases, and servers that Motadata AIOps supports to monitor. This is a comprehensive resource for IT operations professionals looking to gain visibility into their entire IT infrastructure.

This page serves as a centralized location where users can find information about the specific entities that Motadata AIOps can monitor, and the corresponding metrics that are tracked for each entity. This enables IT professionals to proactively identify and troubleshoot issues before they become critical, helping to improve the overall performance and availability of their IT infrastructure.

Servers

â€‹

Windows

Windows Cluster

Ubuntu

SUSE Linux

RHEL

HP-UX

IBM-AIX

Solaris

File Monitoring

Directory Monitoring

Applications

â€‹

Apache HTTP

Bind 9

DotNet

Microsoft Exchange

HA Proxy

IBM DB2

IBM MQ

IBM Websphere

Lighttpd

Linux DHCP

MariaDB

Active Directory

Microsoft IIS

MSMQ

MSSQL

MySQL

Nginx

Oracle

PostgreSQL

RabbitMQ

SAP HANA

SAP MaxDB

Sybase

Apache Tomcat

Wildfly

Windows DHCP

Windows DNS

Windows RDP

Network

‹

Wireless

‹

Aruba Wireless

Cisco Wireless

Ruckus Wireless

Switch

‹

Alaxala Networks

Alteon Websystems

Apresia Systems

Cisco Systems

Dell

D-Link

Extreme Networks

New H3C Technologies

Hewlett Packard Enterprise

Huawei

Juniper Networks

MikroTik

Netgear

Radware

Brocade Communications Systems

Router

‹

Alaxala Networks

Cisco Systems

D-Link

New H3C Technologies

Huawei

Juniper Networks

MikroTik

Radware

UPS

â€‹

American Power Conversion

APC Netbotz

Cayman UPS

CyberPower

Delta Electronics

Digipower

Eaton

Emerson Network Power

Emerson Computer Power

Socomec

Schneider Electric

Phoenixtec

Toshiba

Tripp Lite

Valere Power

Arris Interactive

Firewall

â€‹

Barracuda Networks

Check Point

Cisco Systems

Cyberoam

Fortinet

Palo Alto Networks

Pulse Secure

SonicWall

WatchGuard Technologies

Load Balancer

â€‹

F5 Networks

Radware

Hardware Sensors

â€‹

HPE iLO

Dell iDRAC

Cisco IP SLA

â€‹

ICMP Echo

ICMP Path Echo

ICMP Jitter

Software Defined Network Devices (SDN)

â€‹

Cisco Catalyst SD-WAN

Cisco Meraki

Cloud (AWS)

‹

AWS

AWS Cloudfront

AWS DocumentDB

AWS Lambda

AWS DynamoDB

AWS Billing

AWS S3

AWS EC2

AWS Load Balancer - Network

AWS Load Balancer - Application

AWS RDS

AWS SNS

AWS SQS

AWS EBS

AWS Autoscaling

AWS Elastic Beanstalk

Cloud (Azure)

‹

Azure VM Scaleset

Microsoft Azure

Azure VM

Azure Storage

Azure Blob Storage

Azure File Storage

Azure Service Bus

Azure Cosmos DB

Azure CDN

Azure Functions

Azure Billing

Azure Queue Storage

Azure Table Storage

Azure Load Balancer

Azure Application Gateway

Microsoft Azure DB for PostgreSQL

Microsoft Azure DB for MySQL

Microsoft Azure SQL Database

Azure Webapp Service

Cloud (O365)

â€‹

Microsoft Exchange Online

Microsoft OneDrive

Microsoft SharePoint

Microsoft Teams

Virtualization

â€‹

Hyper-V

Hyper-V Cluster

vCenter

ESXi

Citrix Xen

Citrix Xen Cluster

Hyper-Converged Infrastructure (HCI)

â€‹

Nutanix Host

Nutanix Prism

Service Check

â€‹

URL

Email

DNS

Ping

RADIUS

FTP

NTP

Domain

SSL

Other

â€‹

Symantec Email Gateway

Page Title: active-directory

Active Directory

Overview

â€‹

Active Directory, the powerful and centralized identity management service developed by Microsoft, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Active Directory infrastructure. Monitor critical directory service metrics such as user authentication rates, group membership changes, and domain controller status to ensure efficient and secure user access.

Supported Versions

â€‹

Versions

Windows Server 2012

Prerequisites for Microsoft Active Directory Integration with Motadata AIOps
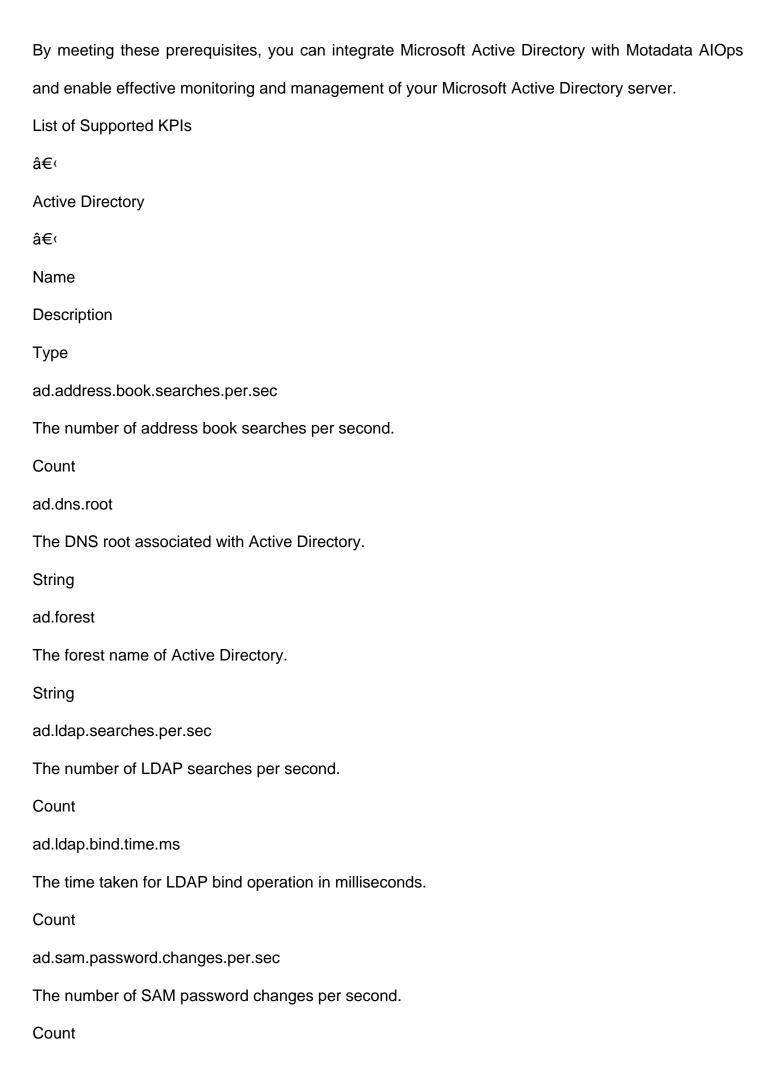
â€‹

Obtain the server credentials required for discovering the server on which Microsoft Active Directory is installed.

Ensure that the user has administrator privileges on the server where Microsoft Active Directory is installed.

Ensure that the Microsoft Active Directory service is active and running on the server.

Confirm that the Microsoft Active Directory process and service are listed in the process and service monitor settings of Motadata AIOps. While these may be listed by default, verify that the names of the service and process match the specific Microsoft Active Directory version that you intend to monitor.

By meeting these prerequisites, you can integrate Microsoft Active Directory with Motadata AIOps and enable effective monitoring and management of your Microsoft Active Directory server.

List of Supported KPIs

â€‹

Active Directory

â€‹

Name

Description

Type

ad.address.book.searches.per.sec

The number of address book searches per second.

Count

ad.dns.root

The DNS root associated with Active Directory.

String

ad.forest

The forest name of Active Directory.

String

ad.ldap.searches.per.sec

The number of LDAP searches per second.

Count

ad.ldap.bind.time.ms

The time taken for LDAP bind operation in milliseconds.

Count

ad.sam.password.changes.per.sec

The number of SAM password changes per second.

Count

ad.ldap.client.sessions

The number of LDAP client sessions.

Count

ad.orphan.objects

The number of orphan objects in Active Directory.

Count

ad.ds.notify.queue.size

The size of the Directory Service (DS) notify queue in Active Directory.

Count

ad.address.book.client.sessions

The number of address book client sessions.

Count

ad.dra.pending.replication.synchronizations

The number of pending replication synchronizations in Active Directory.

Count

ad.dra.inbound.bytes.per.sec

The rate of inbound bytes per second for Active Directory replication.

Count

ad.dra.outbound.bytes.per.sec

The rate of outbound bytes per second for Active Directory replication.

Count

ad.dra.inbound.objects.per.sec

The rate of inbound objects per second in Active Directory replication.

Count

ad.ldra.outbound.objects.per.sec

The rate of outbound objects per second in Active Directory replication.

Count

ad.dra.sync.requests

The number of synchronization requests in Active Directory replication.

Count

ad.dra.inbound.full.sync.pending.objects

The number of inbound full sync pending objects in Active Directory replication.

Count

ad.dra.inbound.dns.values.per.sec

The rate of inbound DNS values per second in Active Directory replication.

Count

ad.dra.outbound.dns.values.per.sec

The rate of outbound DNS values per second in Active Directory replication.

Count

ad.ldap.successful.binds.per.sec

The number of successful LDAP binds per second.

Count

ad.ldap.active.threads

The number of active threads in LDAP operations.

Count

ad.ds.active.threads

The number of active threads in Active Directory directory service operations.

Count

ad.ds.directory.reads.per.sec

The rate of directory reads per second in Active Directory.

Count

ad.ds.directory.writes.per.sec

The rate of directory writes per second in Active Directory.

Count

ad.sam.successful.user.creations.per.sec

The number of successful user creations per second in Active Directory Security Account Manager (SAM).

Count

ad.sam.membership.changes.per.sec

The number of membership changes per second in Active Directory Security Account Manager (SAM).

Count

ad.sam.user.creation.attempts.per.sec

The number of user creation attempts per second in Active Directory Security Account Manager (SAM).

Count

ad.ldap.new.connections.per.sec

The rate of new LDAP connections per second in Active Directory.

Count

ad.ds.server.binds.per.sec

The rate of server binds per second in Active Directory.

Count

ad.ds.client.binds.per.sec

The rate of client binds per second in Active Directory.

Count

ad.ds.directory.searches.per.sec

The rate of directory searches per second in Active Directory.

Count

ad.kdc.requests

The number of KDC (Key Distribution Center) requests in Active Directory.

Count

ad.kerberos.authentications.per.sec

The rate of Kerberos authentications per second in Active Directory.

Count

ad.ntlm.authentications.per.sec

The rate of NTLM (NT LAN Manager) authentications per second in Active Directory.

Count

ad.kdc.tgs.requests.per.sec

The rate of TGS (Ticket Granting Service) requests per second in Active Directory.

Count

ad.atq.outstanding.queued.requests

The number of outstanding queued requests in Active Directory ATQ (Asynchronous Thread Queue).

Count

ad.atq.request.latency.ms

The latency of ATQ (Asynchronous Thread Queue) requests in Active Directory, measured in ms.

Count

ad.atq.estimated.queue.delay.ms

The estimated delay in the ATQ (Asynchronous Thread Queue) queue in Active Directory, measured in ms.

Count

ad.atq.ldap.threads

The number of LDAP threads in Active Directory ATQ (Asynchronous Thread Queue).

Count

ad.database.cache.hit.ratio.percent

The percentage of cache hits in the Active Directory database cache.

Count

ad.database.reads.average.latency.ms

The average latency of database reads in Active Directory, measured in milliseconds.

Count

ad.database.reads.per.sec

The rate of database reads per second in Active Directory.

Count

ad.log.record.stalls.per.sec

The rate of log record stalls per second in Active Directory.

Count

ad.log.write.average.latency.ms

The average latency of log writes in Active Directory, measured in milliseconds.

Count

ad.log.writes.per.sec

The rate of log writes per second in Active Directory.

Count

ad.database.cache.size.bytes

The size of the database cache in Active Directory, measured in bytes.

Count

ad.log.waiting.threads

The number of threads waiting for log operations in Active Directory.

Count

ad.table.open.cache.hit.ratio.percent

The percentage of cache hits in the table open cache in Active Directory.

Count

ad.database.page.faults.per.sec

The rate of database page faults per second in Active Directory.

Count

ad.database.page.fault.stalls.per.sec

The rate of stalls caused by database page faults per second in Active Directory.

Count

ad.table.opens.per.sec

The rate of table opens per second in Active Directory.

Count

ad.log.file

The log file in Active Directory.

Count

ad.log.file.size.bytes

The size of the log file in Active Directory, measured in bytes.

Count

Active Directory Replication

â€‹

Name

Description

Type

ad.replication

Represents the general status of Active Directory replication.

String

ad.replication.destination

The destination of Active Directory replication.

String

ad.replication.site

The site of Active Directory replication.

String

ad.replication.domain.name

The domain name of Active Directory replication.

String

ad.replication.naming.context

The naming context of Active Directory replication.

String

ad.replication.status

The status of Active Directory replication.

String

ad.replication.last.attempted

The timestamp of the last attempted replication.

String

ad.replication.error.code

The error code associated with Active Directory replication.

String

ad.replication.error.message

The error message associated with Active Directory replication.

String

ad.replication.protocol

The protocol used for Active Directory replication.

String

Active Directory Role

â€‹

Name

Description

Type

ad.role.forest

The forest of the Active Directory role.

String

ad.role.status

The status of the Active Directory role.

String

ad.role

The Active Directory role.

String

ad.role.domain

The domain of the Active Directory role.

String

Page Title: alaxala-network-router

On this page

Alaxala Networks

Overview

â€‹

Alaxala Networks Router, the reliable and high-performance router solutions by Alaxala Networks, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Alaxala Networks Routers. Monitor critical router metrics such as interface utilization, routing table status, and packet forwarding to ensure smooth and efficient network routing.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.cpu.percent

CPU utilization percentage of the SNMP device.

Percentage

system.memory.used.percent

Memory usage percentage of the SNMP device.

Percentage

system.software.name

Name of the software running on the SNMP device.

String

system.software.version

Version of the software running on the SNMP device.

String

bgp.peer

The BGP peer identifier or name.

String

bgp.peer.remote.as

The remote AS number associated with the BGP peer.

Count

bgp.peer.status

The status of the BGP peer (e.g., up, down).

String

bgp.local.peer.address

The local IP address of the BGP peer.

String

bgp.remote.peer.address

The remote IP address of the BGP peer.

String

bgp.peer.time

The time when the BGP peer was established.

String

bgp.peer.updated.time

The time when the BGP peer status was last updated.

String

isis.neighbour.last.up.time

The last time the ISIS neighbour came up.

String

isis.neighbour.hold.time

The hold time of the ISIS neighbour.

String

isis.neighbour.system.type

The system type of the ISIS neighbour.

String

isis.neighbour.3way.state

The 3-way state of the ISIS neighbour.

String

isis.neighbour.state

The state of the ISIS neighbour.

String

isis.neighbour

The identifier or name of the ISIS neighbour.

String

isis.neighbour.protocol

The protocol used by the ISIS neighbour.

String

ospf.neighbour.remote.as

The remote AS number associated with the OSPF neighbour.

String

ospf.neighbour.status

The status of the OSPF neighbour (e.g., up, down).

String

ospf.neighbour

The identifier or name of the OSPF neighbour.

String

ip.route

The IP route entry.

String

ip.route.subnet.mask

The subnet mask associated with the IP route.

String

ip.route.last.updated.sec

The time in seconds since the IP route was last updated.

Count

ip.route.protocol

The routing protocol associated with the IP route.

String

ip.route.metric

The metric value of the IP route.

String

ip.route.type

The type of IP route (e.g., static, dynamic).

String

ip.route.next.hop

The next-hop IP address for the IP route.

String

ip.route.last.updated

The last time the IP route was updated.

String

ip.routing.type

The type of IP routing (e.g., unicast, multicast).

String

ip.route.interface.index

The index of the network interface associated with the IP route.

Count

Page Title: alaxala-network-switch

On this page

Alaxala Networks

Overview

â€‹

Alaxala Networks Switch, the reliable and high-performance network switch solution by Alaxala Networks, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Alaxala Networks Switches. Monitor critical network switch metrics such as port utilization, link status, and packet errors to ensure smooth and efficient network operation

Supported Versions

â€‹

Versions

Windows 2011

Windows 2012

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.cpu.percent

CPU utilization percentage of the SNMP device.

Percentage

system.memory.used.percent

Memory usage percentage of the SNMP device.

Percentage

system.software.name

Name of the software running on the SNMP device.

String

system.software.version

Version of the software running on the SNMP device.

String

system.cpu.percent

CPU utilization percentage of the SNMP device.

Percentage

system.memory.used.percent

Memory usage percentage of the SNMP device.

Percentage

system.software.name

Name of the software running on the SNMP device.

String

system.software.version

Version of the software running on the SNMP device.

String

vlan.name

The name of the VLAN.

String

vlan.status

The status of the VLAN.

String

vlan

The VLAN identifier.

String

vlan.ports

The list of ports associated with the VLAN.

String

vlan.port

The specific port associated with the VLAN.

String

Page Title: alteon-websystems-switch

On this page

Alteon Websystems

Overview

â€‹

Alteon WebSystems Switch, the advanced and high-performance network switch solution by Alteon WebSystems (formerly Radware), seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Alteon WebSystems Switches. Monitor critical network switch metrics such as port utilization, link status, and packet errors to ensure smooth and efficient network operation.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics	Description	Type
ping.min.latency.ms	Minimum latency (in milliseconds) observed during ping	Count
ping.received.packets	Number of packets received during ping	

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.serial.no

Serial number of the SNMP device.

String

system.hardware.version

Hardware version of the SNMP device.

String

active.sessions

Number of active sessions on the SNMP device.

Count

http.1.0.connections

Number of HTTP 1.0 connections on the SNMP device.

Count

http.1.1.connections

Number of HTTP 1.1 connections on the SNMP device.

Count

http.2.0.connections

Number of HTTP 2.0 connections on the SNMP device.

Count

http.transactions.per.sec

HTTP transactions per second on the SNMP device.

Count

http.1.1.requests

Number of HTTP 1.1 requests on the SNMP device.

Count

http.1.0.requests

Number of HTTP 1.0 requests on the SNMP device.

Count

power.supply.sensor.status

Status of the power supply sensor on the SNMP device.

String

fan.sensor.status

Status of the fan sensor on the SNMP device.

String

temperature.sensor.status

Status of the temperature sensor on the SNMP device.

String

system.memory.used.percent

Memory usage percentage of the SNMP device.

Percentage

system.memory.capacity.bytes

Total memory capacity in bytes on the SNMP device.

String

system.memory.configured.bytes

Configured memory in bytes on the SNMP device.

String

system.switch.processor

Switch processor on the SNMP device.

String

system.memory.initial.free.bytes

Initial free memory in bytes on the SNMP device.

String

system.memory.cached.bytes

Cached memory in bytes on the SNMP device.

String

management.processor.cpu.percent

CPU utilization percentage of the management processor.

Percentage

management.processor.4sec.avg.cpu.percent

4-second average CPU utilization percentage of the management processor.

Percentage

management.processor.64sec.avg.cpu.percent

64-second average CPU utilization percentage of the management processor.

Percentage

management.processor.virtual.memory.bytes

Virtual memory in bytes used by the management processor.

String

management.processor.resident.memory.bytes

Resident memory in bytes used by the management processor.

String

switch.processor.cpu.percent

CPU utilization percentage of the switch processor.

Percentage

switch.processor.4sec.avg.cpu.percent

4-second average CPU utilization percentage of the switch processor.

Percentage

switch.processor.64sec.avg.cpu.percent

64-second average CPU utilization percentage of the switch processor.

Percentage

vlan.name

The name of the VLAN.

String

vlan.status

The status of the VLAN.

String

vlan

The VLAN identifier.

String

vlan.ports

The list of ports associated with the VLAN.

String

vlan.port

The specific port associated with the VLAN.

String

Page Title: american-power-conversion-ups

On this page

American Power Conversion

Overview

â€‹

American Power Conversion (APC) UPS, the reliable and high-performance uninterruptible power supply solutions by APC, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their APC UPS devices. Monitor critical UPS metrics such as battery status, load levels, and input/output voltage to ensure continuous and reliable power protection.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics	Description	Type
ping.min.latency.ms	Minimum latency (in milliseconds) observed during ping	Count
ping.received.packets	Number of packets received during ping	

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

ups.load.percent

The percentage of UPS load, representing the amount of power being drawn from the UPS.

Percentage

ups.battery.capacity.percent

The percentage of UPS battery capacity remaining, indicating the current charge level of the battery.

Percentage

ups.input.voltage.volt

The input voltage supplied to the UPS, representing the voltage received from the power source.

Voltage (Volt)

ups.output.voltage.volt

The output voltage delivered by the UPS to connected devices, ensuring a stable power supply.

Voltage (Volt)

ups.output.current.ampere

The output current provided by the UPS to connected devices, indicating the electrical current flowing through the circuit.

Current (Ampere)

ups.battery.last.replace.date

The date of the last battery replacement, providing information on the UPS battery's maintenance history.

Date

ups.last.self.test.date

The date of the last self-test performed by the UPS to assess its operational status.

Date

ups.battery.status

The status of the UPS battery, such as "Normal," "Low," or "Unknown," indicating its health and condition.

String

ups.battery.temperature.celsius

The temperature of the UPS battery in Celsius, offering insights into its thermal condition.

Temperature (Celsius)

ups.battery.replacement.status

Indicates whether UPS battery replacement is required or not, helping with maintenance planning.

String

ups.bad.external.battery.packs

The count of bad external battery packs connected to the UPS.

Count

ups.last.self.test.result

The result of the last self-test performed by the UPS, providing information about its operational integrity.

String

ups.status

The status of the UPS, indicating whether it is online, on battery power, in bypass mode, or undergoing maintenance.

String

ups.battery.runtime.elapsed.seconds

The elapsed runtime of the UPS on battery power, measuring how long the UPS has been operating without external power.

Time (Seconds)

ups.input.frequency.hz

The input frequency supplied to the UPS, indicating the frequency of the power source.

Frequency (Hz)

ups.output.frequency.hz

The output frequency delivered by the UPS to connected devices.

Frequency (Hz)

ups.battery.transfer.reason

The reason for the last battery transfer, indicating events like voltage fluctuations or self-tests triggering a battery switchover.

String

ups.battery.runtime.remaining.seconds

The remaining runtime of the UPS battery, indicating how much time is left before the UPS switches back to the main power source.

Time (Seconds)

ups.temperature

The temperature of the UPS, providing information about its thermal conditions.

Temperature

ups.battery.power.consumed

The amount of power consumed by the UPS battery, indicating its energy consumption.

Count

ups.number.transients

The count of transients experienced by the UPS, which are short-duration voltage fluctuations.

Count

ups.battery.voltage

The voltage of the UPS battery, indicating its current electrical potential.

Voltage (Volt)

ups.input.voltage

The input voltage supplied to the UPS, representing the voltage received from the power source.

Voltage (Volt)

ups.output.frequency

The output frequency delivered by the UPS to connected devices.

Frequency

ups.inverter.state

The state of the UPS inverter, providing information about its operational mode, such as "On," "Off,"

or "Standby."

String

ups.battery.current

The current flowing through the UPS battery, indicating the electrical current within the battery

circuit.

Current

ups.output.power

The power output of the UPS, indicating the amount of power supplied to connected devices.

Power

ups.bypass.state

The state of the UPS bypass, indicating whether the bypass is active or not.

String

ups.battery.time.remaining

The remaining time of UPS battery backup, indicating the duration for which the UPS can sustain power without external supply.

Time

ups.output.load

The load connected to the UPS, indicating the power being drawn by connected devices.

Load

ups.inverter.temperature

The temperature of the UPS inverter, providing information about its thermal conditions.

Temperature

ups.battery.sys.shutdown.duration

The duration of the UPS battery system shutdown, indicating how long the UPS remained off during a shutdown.

Time

ups.battery.installed

Indicates whether a battery is installed in the UPS or not.

String

ups.load

The load on the UPS, indicating the amount of power being drawn from the UPS.

Load

ups.charge

The charge level of the UPS battery, indicating its current capacity.

Percentage

ups.battery.voltage

The voltage of the UPS battery, indicating its current electrical potential.

Voltage

ups.output.load.rate

The rate of UPS output load, providing insights into load fluctuations.

Load rate

ups.battery.capacity

The capacity of the UPS battery, indicating its total energy storage capacity.

Capacity

Page Title: apache-http

On this page

Apache HTTP

Overview

â€‹

Apache HTTP Server, a widely used web server software, effortlessly integrates with Motadata AIOps, providing comprehensive monitoring and management capabilities. This integration offers real-time insights into the performance and health of Apache HTTP Server instances. Monitor critical metrics such as request rates, response times, and server resource utilization to ensure optimal web application performance.

With Motadata AIOps, businesses can proactively detect potential issues, troubleshoot bottlenecks, and optimize Apache HTTP Server settings for enhanced efficiency. Receive instant alerts for unusual spikes in traffic or server errors, allowing prompt action to ensure seamless web application delivery. The integration of Apache HTTP Server with Motadata AIOps enables organizations to deliver exceptional web experiences, maintain high availability, and meet their performance objectives with ease.

Supported Versions

â€‹

Versions

9

Prerequisites for Apache HTTP Integration with Motadata AIOps

â€‹

Ensure that the Apache HTTP port (default: 80) is open for the Motadata AIOps server.

Confirm that the Apache HTTP process and service are listed in the process and monitor settings of Motadata AIOps. While these may be listed by default, ensure that the names of the service and process match the specific Apache HTTP version that you intend to monitor.

Ensure that either HTTP or HTTPS are supported on the Apache HTTP server.

Provide the necessary credentials, including the username and password, for Motadata AIOps to connect to the Apache HTTP server.

Confirm that the Apache HTTP service is active and running on the server.

For agentless monitoring, ensure that the user has the required access for remote access to the Apache HTTP server. For agent-based monitoring, this is not required.

In the address area of your browser, type http://

[IP]

/server-status, submit the address, to view the status of the server. Confirm the server availability by following this step.

where

[IP]

 is the IP address of the server where Apache HTTP is installed

By following these prerequisites, you can integrate Apache HTTP with Motadata AIOps and ensure the smooth functioning of the monitoring process.

List of Supported KPIs

â€‹

Apache

â€‹

Name

Description

Type

system.tags

System Tags applied to Apache

String

apache.version

Version of Apache

String

apache.accesses

Number of Apache accesses

Count

apache.traffic.volume.bytes

Traffic volume in bytes

Count

apache.requests.per.sec

Requests per second

Count

apache.traffic.bytes.per.sec

Traffic bytes per second

Count

apache.traffic.bytes.per.request

Traffic bytes per request

Count

apache.active.requests

Number of active requests in Apache

Count

apache.busy.workers

Number of busy workers in Apache

Count

apache.idle.workers

Number of idle workers in Apache

Count

started.time

Uptime of Apache (start time)

String

started.time.sec

Uptime of Apache in seconds

Count

apache.cpu.percent

CPU utilization percentage for Apache (available in linux)

Count

Page Title: apache-tomcat

On this page

Apache Tomcat

Overview

â€‹

Apache Tomcat, the widely used open-source application server, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Apache Tomcat servers. Monitor critical server metrics such as request rates, response times, and JVM (Java Virtual Machine) statistics to ensure optimal application performance.

Supported Versions

â€‹

Versions

6

7

8

8.5

9

10

Prerequisites for Apache Tomcat Integration with Motadata AIOps

â€‹

Ensure that the Apache Tomcat port (default: 8067) is open for the Motadata AIOps server.

Provide the necessary credentials, including the username and password, for Motadata AIOps to connect to the Apache Tomcat server.

Confirm that the Apache Tomcat service is active and running on the server.

Confirm that the Apache Tomcat process and service are listed in the process and monitor settings

of Motadata AIOps. Although these may be listed by default, ensure that the names of the service and process match the specific Apache Tomcat version that you intend to monitor.

In the address area of your browser, type http://

[IP]

:8080/manager/status, submit the address, provide the credentials, and click on the

Server Status

link to confirm the status of the Apache Tomcat server.

where

[IP]

is the IP address of the server where Apache Tomcat is installed

Confirm that the Apache Tomcat server supports either HTTP or HTTPS protocol.

In the tomcat-users.xml file, add the following text:

<tomcat-users>

   <role rolename="manager-gui"/>

   <role rolename="manager-jmx"/>

   <user username="[username]" password="[password]" roles="manager-gui, manager-jmx"/>

</tomcat-users>

Here, Replace

[username]

and

[password]

with the credentials used to access the Apache Tomcat server. These credentials will be configured in Motadata AIOps to enable access to the Tomcat server.

For agentless monitoring, ensure that the user has the required access for remote access to the Apache Tomcat server. For agent-based monitoring, this is not required.

By following these prerequisites, you can integrate Apache Tomcat with Motadata AIOps and ensure the smooth functioning of the monitoring process.

List of Supported KPIs

â€‹

Apache Tomcat

â€‹

Name

Description

Type

tomcat.cache.hits

Number of cache hits in Tomcat

Count

tomcat.cache.accesses

Number of cache accesses in Tomcat

Count

tomcat.jsp.accesses

Number of JSP accesses in Tomcat

Count

tomcat.jsp.reloads

Number of JSP reloads in Tomcat

Count

tomcat.jsp.unloads

Number of JSP unloads in Tomcat

Count

tomcat.active.sessions

Number of active sessions in Tomcat

Count

tomcat.expired.sessions

Number of expired sessions in Tomcat

Count

tomcat.rejected.sessions

Number of rejected sessions in Tomcat

Count

tomcat.created.sessions

Number of created sessions in Tomcat

Count

tomcat.installation.dir

Installation directory of Tomcat

String

tomcat.version

Version of Tomcat

String

tomcat.cache.hit.ratio.percent

Cache hit ratio percentage in Tomcat

Count

tomcat.non.heap.memory.used.percent

Non-heap memory used percentage in Tomcat

Count

tomcat.connections

Number of connections in Tomcat

Count

tomcat.max.threads

Maximum number of threads in Tomcat

Count

tomcat.thread.pool.used.percent

Percentage of used thread pool in Tomcat

Count

tomcat.busy.threads

Number of busy threads in Tomcat

Count

tomcat.threads

Number of threads in Tomcat

Count

tomcat.requests.rate

Request rate in Tomcat

Count

tomcat.request.latency.ms

Request latency in milliseconds in Tomcat

Count

tomcat.request.max.latency.ms

Maximum request latency in Tomcat

Count

tomcat.errors

Number of errors in Tomcat

Count

tomcat.received.bytes.rate

Received bytes rate in Tomcat

Count

tomcat.sent.bytes.rate

Sent bytes rate in Tomcat

Count

tomcat.non.heap.memory.used.bytes

Used non-heap memory in Tomcat (bytes)

Count

tomcat.heap.memory.used.bytes

Used heap memory in Tomcat (bytes)

Count

tomcat.heap.memory.used.percent

Percentage of used heap memory in Tomcat

Count

started.time.sec

Uptime in seconds

Count

started.time

Uptime

String

tomcat.thread.pool.threads

Number of threads in Tomcat thread pool

Count

tomcat.thread.pool.busy.threads

Number of busy threads in Tomcat thread pool

Count

tomcat.thread.pool.max.threads

Maximum number of threads in Tomcat thread pool

Count

tomcat.thread.pool.connections

Number of connections in Tomcat thread pool

Count

tomcat.thread.pool

Tomcat thread pool

String

tomcat.jdbc.pool.active.connections

Number of active connections in Tomcat JDBC pool

Count

tomcat.jdbc.pool.idle.connections

Number of idle connections in Tomcat JDBC pool

Count

tomcat.jdbc.pool

Tomcat JDBC pool

String

tomcat.jdbc.pool.used.percent

Percentage of used connections in Tomcat JDBC pool

Count

Page Title: apc-netbotz-ups

On this page

APC Netbotz

Overview

â€‹

APC NetBotz UPS, the advanced and reliable uninterruptible power supply solutions by APC, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their APC NetBotz UPS devices. Monitor critical UPS metrics such as battery status, load levels, and input/output voltage to ensure continuous and reliable power protection.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics	Description	Type
ping.min.latency.ms	Minimum latency (in milliseconds) observed during ping	Count
ping.received.packets	Number of packets received during ping	Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

ups.load

The load on the UPS.

Count

ups.charge

The charge level of the UPS battery.

Percentage

ups.input.line.voltage

The input line voltage supplied to the UPS.

Voltage

ups.output.line.voltage

The output line voltage delivered by the UPS.

Voltage

ups.output.current

The output current provided by the UPS.

Current

ups.sensor.status

The status of the UPS sensor.

String

ups.sensor.communications.status

The status of UPS sensor communications.

String

ups.battery.last.replace.date

The date of the last UPS battery replacement.

Date

ups.last.self.test.date

The date of the last UPS self-test.

Date

ups.battery.status

The status of the UPS battery.

String

ups.battery.temperature

The temperature of the UPS battery.

Temperature

ups.battery.replace

The status of UPS battery replacement.

String

ups.input.voltage

The input voltage supplied to the UPS.

Voltage

ups.external.batteries.infected

The count of infected external batteries connected to the UPS.

Count

ups.comm.status

The communication status of the UPS.

String

ups.reason.for.last.transfer

The reason for the last transfer of UPS power source.

String

ups.battery.runtime.remain

The remaining runtime of the UPS battery.

Time

ups.output.voltage

The output voltage delivered by the UPS.

Voltage

ups.input.source

The input source of the UPS.

String

ups.time.remaining

The remaining time of UPS battery backup.

Time

ups.battery.current

The current flowing through the UPS battery.

Current

ups.backup.time.remaining

The remaining backup time of the UPS battery.

Time

ups.output.load

The load connected to the UPS output.

Load

ups.temperature

The temperature of the UPS.

Temperature

ups.battery.power.consumed

The power consumed by the UPS battery.

Count

ups.number.transients

The count of voltage transients experienced by the UPS.

Count

ups.battery.voltage

The voltage of the UPS battery.

Voltage

ups.battery.remaining

The remaining capacity of the UPS battery.

Percentage

ups.battery.positive.voltage

The positive voltage of the UPS battery.

Voltage

ups.battery.negative.voltage

The negative voltage of the UPS battery.

Voltage

ups.battery.installed

Indicates whether a battery is installed in the UPS.

String

ups.battery.sys.shutdown.duration

The duration of the UPS battery system shutdown.

Time

ups.load

The load on the UPS.

Load

ups.battery.capacity

The capacity of the UPS battery.

Capacity

ups.battery.voltage

The voltage of the UPS battery.

Voltage

ups.output.load.rate

The rate of UPS output load.

Load rate

ups.elapsed.time.on.battery

The elapsed time of the UPS on battery power.

Time

ups.charge.remaining.percent

The remaining charge percentage of the UPS battery.

Percentage

Page Title: apresia-switch

Apresia Switch

Overview

â€‹

Apresia Switch, the reliable and high-performance network switch solution by Hitachi, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Apresia Switches. Monitor critical network switch metrics such as port utilization, link status, and packet errors to ensure smooth and efficient network operation.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics	Description	Type
ping.min.latency.ms	Minimum latency (in milliseconds) observed during ping	Count
ping.received.packets	Number of packets received during ping	Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.5min.avg.cpu.percent

5-minute average CPU utilization percentage.

Percentage

system.cpu.percent

Current CPU utilization percentage.

Percentage

system.1min.avg.cpu.percent

1-minute average CPU utilization percentage.

Percentage

system.5min.avg.cpu.percent

5-minute average CPU utilization percentage.

Percentage

system.memory.used.percent

Memory usage percentage

Percentage

vlan.name

The name of the VLAN.

String

vlan.status

The status of the VLAN.

String

vlan

The VLAN identifier.

String

vlan.ports

The list of ports associated with the VLAN.

String

vlan.port

The specific port associated with the VLAN.

String

Page Title: arris-interactive-ups

On this page

Arris Interactive

Overview

â€‹

Valere Power UPS, the reliable and high-performance uninterruptible power supply solutions by Valere Power, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Valere Power UPS devices. Monitor critical UPS metrics such as battery status, load levels, and input/output voltage to ensure continuous and reliable power protection.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

ups.load

The load on the UPS (Uninterruptible Power Supply).

percentage

ups.charge

The charge level of the UPS battery.

percentage

ups.input.line.voltage

The input line voltage of the UPS.

count

ups.output.line.voltage

The output line voltage of the UPS.

count

ups.output.current

The current output of the UPS.

count

ups.sensor.status

The status of the UPS sensor.

string

ups.sensor.communications.status

The communication status of the UPS sensor.

string

ups.battery.last.replace.date

The date when the UPS battery was last replaced.

string

ups.last.self.test.date

The date of the last self-test performed on the UPS.

string

ups.battery.status

The status of the UPS battery.

string

ups.battery.temperature

The temperature of the UPS battery.

count

ups.battery.replace

Indicates whether the UPS battery needs replacement.

string

ups.input.voltage

The input voltage of the UPS.

count

ups.external.batteries.infected

Indicates if external batteries are infected.

string

ups.comm.status

The communication status of the UPS.

count

ups.reason.for.last.transfer

The reason for the last transfer of power source.

string

ups.battery.runtime.remain

The remaining runtime of the UPS battery.

count

ups.output.voltage

The output voltage of the UPS.

count

ups.battery.time.on.battery

The time the UPS battery can last on battery power.

count

ups.input.frequency

The input frequency of the UPS.

count

ups.output.status

The status of the UPS output.

string

ups.input.source

The source of input for the UPS.

string

ups.time.remaining

The remaining time of the UPS.

count

ups.battery.current

The current of the UPS battery.

count

ups.backup.time.remaining

The remaining backup time of the UPS.

count

ups.output.load

The load on the UPS output.

percentage

ups.temperature

The temperature of the UPS.

count

ups.battery.power.consumed

The power consumed by the UPS battery.

count

ups.number.transients

The number of transients experienced by the UPS.

count

ups.battery.voltage

The voltage of the UPS battery.

count

ups.output.frequency

The output frequency of the UPS.

count

ups.inverter.state

The state of the UPS inverter.

string

ups.output.power

The power output of the UPS.

count

ups.bypass.state

The state of UPS bypass.

string

ups.output.load.rate

The rate of UPS output load.

percentage

ups.battery.capacity

The capacity of the UPS battery.

percentage

ups.battery.positive.voltage

The positive voltage of the UPS battery.

count

ups.battery.negative.voltage

The negative voltage of the UPS battery.

count

ups.elapsed.time.on.battery

The elapsed time the UPS has been on battery power.

count

ups.charge.remaining.percent

The remaining charge percentage of the UPS battery.

percentage

ups.battery.installed

Indicates whether the UPS battery is installed.

string

ups.output.current

The current output of the UPS.

count

ups.battery.sys.shutdown.duration

The duration of the UPS system shutdown.

count

ups.load

The load on the UPS (Uninterruptible Power Supply).

percentage

ups.charge

The charge level of the UPS battery.

percentage

ups.battery.status

The status of the UPS battery.

string

ups.battery.voltage

The voltage of the UPS battery.

count

ups.output.load.rate

The rate of UPS output load.

percentage

ups.battery.capacity

The capacity of the UPS battery.

percentage

Page Title: aruba-wireless

Aruba Wireless

Overview

â€‹

Aruba Wireless, the advanced and reliable wireless networking solution by Aruba Networks, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Aruba wireless infrastructure. Monitor critical wireless network metrics such as client connections, signal strength, and access point utilization to ensure seamless and reliable wireless connectivity.

Prerequisites

â€‹

Ensure that the Aruba device is SNMP enabled before configuring the AIOps integration.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

aruba.wireless.access.point.interface.clients

Number of clients connected to the wireless access point

Count

aruba.wireless.access.point.interface.received.bytes.rate

Rate of received bytes on the wireless access point interface

Count

aruba.wireless.access.point.interface.ssid

SSID (Service Set Identifier) of the wireless access point

String

aruba.wireless.access.point.interface.mac.address

MAC address of the wireless access point interface

String

aruba.wireless.access.point.interface.packets.rate

Rate of packets on the wireless access point interface

Count

aruba.wireless.access.point.interface.sent.bytes.rate

Rate of sent bytes on the wireless access point interface

Count

aruba.wireless.access.point.interface.current.channel

Current channel of the wireless access point interface

String

aruba.wireless.access.point.interface.type

Type of the wireless access point interface

String

aruba.wireless.access.point.interface

Interface of the wireless access point

String

aruba.wireless.access.point.interface.received.packets.rate

Rate of received packets on the wireless access point interface

Count

aruba.wireless.access.point.interface.sent.packets.rate

Rate of sent packets on the wireless access point interface

Count

aruba.wireless.access.point.interface.bytes.rate

Rate of bytes on the wireless access point interface

Count

aruba.wireless.access.point.started.time

Uptime of the wireless access point

String

aruba.wireless.access.point.started.time.sec

Uptime in seconds of the wireless access point

Count

aruba.wireless.access.point.mac.address

MAC address of the wireless access point

String

aruba.wireless.access.point.clients

Number of clients associated with the wireless access point

String

aruba.wireless.access.point

Wireless access point

String

aruba.wireless.access.point.location

Location of the wireless access point

String

aruba.wireless.access.point.status

Status of the wireless access point

String

aruba.wireless.access.point.model

Model of the wireless access point

Count

aruba.wireless.access.point.group

Group to which the wireless access point belongs

String

aruba.wireless.access.point.ip.address

IP address of the wireless access point

String

aruba.wireless.access.point.slots

Slots available on the wireless access point

String

aruba.wireless.access.point.serial.number

Serial number of the wireless access point

Count

aruba.wireless.controller.memory.installed.bytes

Installed memory size of the wireless controller

Count

aruba.wireless.controller.memory.used.bytes

Memory usage of the wireless controller

Count

aruba.wireless.controller.cpu.percent

CPU utilization percentage of the wireless controller

Count

aruba.wireless.version

Version of the wireless software

Count

aruba.wireless.controller.temperature.celsius

Temperature of the wireless controller in Celsius

Count

aruba.wireless.controller.ip.address

IP address of the wireless controller

String

started.time

Uptime of the wireless system

String

aruba.wireless.controller.memory.used.percent

Memory usage percentage of the wireless controller

Count

aruba.wireless.controller.memory.free.bytes

Free memory available on the wireless controller

Count

aruba.wireless.access.points

Number of access points associated with the controller

Count

aruba.wireless.controller.mac.address

MAC address of the wireless controller

String

aruba.wireless.wlans

Number of WLANs configured on the wireless controller

Count

aruba.wireless.clients

Number of clients connected to the wireless network

Count

started.time.sec

Uptime in seconds of the wireless system

Count

aruba.wireless.controller.serial.number

Serial number of the wireless controller

String

aruba.wireless.controller.model.name

Model name of the wireless controller

String

aruba.wireless.controller.host.name

Host name of the wireless controller

String

aruba.wireless.wlan.traffic.received.bytes.per.sec

Rate of received traffic in bytes per second on the WLAN

Count

aruba.wireless.wlan.down.access.points

Number of access points with the WLAN in a down state

Count

aruba.wireless.wlan.up.access.points

Number of access points with the WLAN in an up state

Count

aruba.wireless.wlan.bytes.per.sec

Rate of data transfer in bytes per second on the WLAN

Count

aruba.wireless.wlan.received.packets.rate

Rate of received packets on the WLAN

Count

aruba.wireless.wlan

WLAN name

String

aruba.wireless.wlan.packets.rate

Rate of packets on the WLAN

Count

aruba.wireless.wlan.sent.packets.rate

Rate of sent packets on the WLAN

Count

aruba.wireless.wlan.traffic.sent.bytes.per.sec

Rate of sent traffic in bytes per second on the WLAN

Count

aruba.wireless.wlan.access.points

Number of access points associated with the WLAN

Count

aruba.wireless.wlan.clients

Number of clients connected to the WLAN

Count

aruba.wireless.rogue.access.point.status

Status of the rogue access point

String

aruba.wireless.rogue.access.point.channel

Channel of the rogue access point

Count

aruba.wireless.rogue.access.point.ssid

SSID (Service Set Identifier) of the rogue access point

String

aruba.wireless.rogue.access.point

Rogue access point identifier

String

aruba.wireless.rogue.access.point.class.type

Class type of the rogue access point

String

aruba.wireless.rogue.access.point.interface.type

Interface type of the rogue access point

String

aruba.wireless.rogue.client.class.type

Class type of the rogue client

String

aruba.wireless.rogue.client.ssid

SSID (Service Set Identifier) of the rogue client

String

aruba.wireless.rogue.client

Rogue client identifier

String

aruba.wireless.rogue.client.ap.bssid

BSSID (Basic Service Set Identifier) of the rogue client

String

aruba.wireless.rogue.client.channel

Channel of the rogue client

Count

aruba.wireless.rogue.client.interface.type

Interface type of the rogue client

String

aruba.wireless.rogue.client.status

Status of the rogue client

String

aruba.wireless.rogue.access.points

Number of rogue access points detected

Count

aruba.wireless.rogue.clients

Number of rogue clients detected

Count

aruba.wireless.client.auth.method

Authentication method used by the wireless client

String

aruba.wireless.client.received.packets.rate

Rate of received packets by the wireless client

Count

aruba.wireless.client.packets.rate

Rate of packets transmitted by the wireless client

Count

aruba.wireless.client.ap.mac.address

MAC address of the access point associated with the client

String

aruba.wireless.client.username

Username of the wireless client

String

aruba.wireless.client.started.time.sec

Uptime of the wireless client in seconds

Count

aruba.wireless.client.sent.packets.rate

Rate of packets sent by the wireless client

Count

aruba.wireless.client.traffic.bytes.rate

Rate of traffic (bytes) exchanged by the wireless client

Count

aruba.wireless.client.ap

Access point identifier of the wireless client

String

aruba.wireless.client.ip.address

IP address of the wireless client

String

aruba.wireless.client

Identifier of the wireless client

String

aruba.wireless.client.interface.type

Interface type of the wireless client

String

aruba.wireless.client.channel

Channel used by the wireless client

String

aruba.wireless.client.wlan

WLAN (Wireless Local Area Network) associated with the client

String

aruba.wireless.client.status

Status of the wireless client

String

aruba.wireless.client.os.type

Operating system type of the wireless client

String

aruba.wireless.client.ap.bss.id

BSSID (Basic Service Set Identifier) of the access point

String

aruba.wireless.client.started.time

Uptime of the wireless client

Count

aruba.wireless.client.traffic.received.bytes.rate

Rate of received traffic (bytes) by the wireless client

Count

aruba.wireless.client.traffic.sent.bytes.rate

Rate of sent traffic (bytes) by the wireless client

Count

aruba.wireless.client.signal.strength.dbm

Signal strength of the wireless client in dBm

Count

aruba.wireless.client.ap.ip.address

IP address of the access point associated with the client

String

Page Title: aws

On this page

AWS

Overview

â€‹

AWS (Amazon Web Services) is a comprehensive and widely used cloud computing platform provided by Amazon. AWS offers a wide range of cloud services, including computing power, storage options, databases, networking, machine learning, and more. The platform is designed to help businesses scale and grow by providing flexible and reliable cloud-based solutions.

Prerequisites

â€‹

You can

check the list of prerequisites

required for Amazon ELB here. These are the same for any other AWS service that you need to monitor using AIOps. Move to the section

Adding AWS resources for Monitoring

on the above link to view the prerequisites for AWS resource monitoring.

List of Supported KPIs

â€‹

AWS Autoscaling

â€‹

Name

Description

Type

aws.service.type

The type of service in AWS.

String

aws.region

The region where the service is deployed.

String

aws.service

The name of the service in AWS.

String

aws.autoscaling

The autoscaling configuration in AWS.

String

aws.instance.creation.time

The creation time of the instance.

String

aws.instance.creation.time.seconds

The creation time of the instance in seconds.

String

aws.autoscaling.health.check.type

The type of health check for autoscaling.

String

aws.availability.zone

The availability zone where the service resides.

String

AWS Cloudfront

â€‹

Name

Description

Type

aws.status

The status of AWS CloudFront.

String

aws.service.type

The type of service in AWS.

String

aws.region

The region where the service is deployed.

String

aws.service

The name of the service in AWS.

String

aws.cloudfront.http.version

The HTTP version used by CloudFront.

String

aws.cloudfront.ipv6.enabled

Indicates whether IPv6 is enabled in CloudFront.

String

aws.cloudfront

The CloudFront configuration in AWS.

String

aws.cloudfront.domain.name

The domain name associated with CloudFront.

String

aws.cloudfront.last.modified.time

The last modified time of CloudFront configuration.

String

AWS Dynamo DB

Name

Description

Type

aws.service.type

The type of service in AWS.

String

aws.region

The region where the service is deployed.

String

aws.service

The name of the service in AWS.

String

aws.status

The status of AWS DynamoDB.

String

aws.dynamodb.table.size.bytes

The size of the DynamoDB table in bytes.

Count

aws.dynamodb

The DynamoDB configuration in AWS.

String

aws.dynamodb.db.name

The name of the DynamoDB database.

String

aws.instance.creation.time

The creation time of the instance.

String

aws.instance.creation.time.seconds

The creation time of the instance in seconds.

String

AWS EBS

â€‹

Name

Description

Type

aws.service.type

The type of service in AWS.

String

aws.region

The region where the service is deployed.

String

aws.service

The name of the service in AWS.

String

aws.ebs

The Elastic Block Store (EBS) configuration in AWS.

String

aws.ebs.volume.attachment.status

The status of the EBS volume attachment.

String

aws.ebs.volume.type

The type of the EBS volume.

String

aws.state

The state of the EBS volume.

String

aws.availability.zone

The availability zone of the EBS volume.

String

aws.ebs.volume.snapshot.id

The ID of the snapshot associated with the EBS volume.

String

aws.ebs.volume.size.bytes

The size of the EBS volume in bytes.

Count

aws.ebs.volume.creation.time

The creation time of the EBS volume.

String

aws.ebs.volume.creation.time.seconds

The creation time of the EBS volume in seconds.

Count

aws.ebs.volume.ec2.instance.id

The ID of the EC2 instance associated with the EBS volume.

String

aws.ebs.volume.attached.time

The time when the EBS volume was attached to an EC2 instance.

String

aws.ebs.volume.attached.time.sec

The time when the EBS volume was attached in seconds.

Count

AWS EC2

â€‹

Name

Description

Type

aws.service.type

The type of service in AWS.

String

aws.region

The region where the service is deployed.

String

aws.service

The name of the service in AWS.

String

aws.state

The state of the EC2 instance.

String

aws.availability.zone

The availability zone of the EC2 instance.

String

aws.ec2.instance.type

The type of the EC2 instance.

String

aws.ec2.instance.id

The ID of the EC2 instance.

String

aws.ec2

The EC2 (Elastic Compute Cloud) configuration in AWS.

String

aws.ec2.monitoring

The monitoring status of the EC2 instance.

String

aws.ec2.public.ip.address

The public IP address of the EC2 instance.

String

aws.ec2.public.dns.name

The public DNS name of the EC2 instance.

String

status

The status of the EC2 instance.

String

AWS Elastic Beanstalk

â€‹

Name

Description

Type

aws.service

The name of the AWS service.

String

aws.service.type

The type of the AWS service.

String

aws.region

The region where the AWS service is deployed.

String

aws.elasticbeanstalk.state

The state of the Elastic Beanstalk environment.

String

aws.elasticbeanstalk.environment.health.status

The health status of the Elastic Beanstalk environment.

String

aws.elasticbeanstalk.environment.id

The ID of the Elastic Beanstalk environment.

String

aws.elasticbeanstalk.solution.stack

The solution stack used by the Elastic Beanstalk environment.

String

aws.elasticbeanstalk.creation.time

The creation time of the Elastic Beanstalk environment.

String

aws.elasticbeanstalk.creation.time.seconds

The creation time of the Elastic Beanstalk environment in seconds.

Count

aws.elasticbeanstalk

The Elastic Beanstalk configuration in AWS.

Count

AWS ELB

â€‹

Name

Description

Type

aws.service

The name of the AWS service.

String

aws.elb

The Elastic Load Balancer (ELB) configuration in AWS.

String

aws.elb.vpc.id

The ID of the Virtual Private Cloud (VPC) associated with the ELB.

String

aws.service.type

The type of the AWS service.

String

aws.region

The region where the AWS service is deployed.

String

aws.availability.zone

The availability zone where the ELB is located.

String

aws.elb.instance.creation.time

The creation time of the ELB instance.

String

aws.elb.instance.creation.time.seconds

The creation time of the ELB instance in seconds.

String

aws.state

The state of the ELB.

String

aws.elb.type

The type of the ELB.

String

AWS Lamba

â€‹

Name

Description

Type

aws.service.type

The type of the AWS service.

String

aws.region

The AWS region where the service is deployed.

String

aws.lambda.revision.id

The revision ID of the Lambda function.

String

aws.service

The name of the AWS service.

String

aws.lambda.runtime.environment

The runtime environment of the Lambda function.

String

aws.lambda

The configuration of the Lambda function.

String

aws.lambda.role

The role assigned to the Lambda function.

String

aws.lambda.version

The version of the Lambda function.

String

aws.lambda.memory.size.bytes

The memory size of the Lambda function in bytes.

Count

aws.lambda.code.size.bytes

The size of the Lambda function's code in bytes.

Count

AWS

â€‹

Name

Description

Type

aws.s3.buckets

Number of S3 buckets

Count

aws.elasticbeanstalk.environments

Number of Elastic Beanstalk environments

Count

aws.application.elb.instances

Number of Application Load Balancer instances

Count

aws.stopped.ec2.instances

Number of stopped EC2 instances

Count

aws.lambda.functions

Number of Lambda functions

Count

aws.cloudfront.services

Number of CloudFront services

Count

aws.autoscaling.groups

Number of Auto Scaling groups

Count

aws.vpc.instances

Number of VPC instances

Count

aws.rds.instances

Number of RDS instances

Count

aws.dynamodb.tables

Number of DynamoDB tables

Count

aws.sqs.queues

Number of SQS queues

Count

aws.elb.instances

Number of Classic Load Balancer instances

Count

aws.ec2.instances

Number of EC2 instances

Count

aws.ebs.volumes

Number of EBS volumes

Count

aws.running.ec2.instances

Number of running EC2 instances

Count

aws.sns.topics

Number of SNS topics

Count

aws.network.elb.instances

Number of Network Load Balancer instances

Count

AWS RDS

Name

Description

Type

aws.service.type

Service Type of the AWS resource

String

aws.rds.instance.id

ID of the RDS instance

String

aws.rds.db.engine.name

Name of the database engine used

String

aws.status

Current status of the AWS resource

String

aws.rds.allocated.storage.bytes

Amount of allocated storage in bytes

Count

aws.region

AWS Region where the resource is located

String

aws.service

Name of the AWS service

String

aws.rds

AWS RDS (Relational Database Service)

String

aws.availability.zone

Availability Zone where the resource is deployed

String

AWS S3

â€‹

Name

Description

Type

aws.service.type

Service Type of the AWS resource

String

aws.region

AWS Region where the resource is located

String

aws.service

Name of the AWS service

String

aws.s3

AWS S3 (Simple Storage Service)

String

aws.s3.bucket.creation.time

Creation time of the S3 bucket

String

aws.s3.bucket.creation.time.seconds

Creation time of the S3 bucket in seconds

Count

aws.location

Location of the AWS resource

String

AWS SNS

â€‹

Name

Description

Type

aws.service.type

Service Type of the AWS resource

String

aws.region

AWS Region where the resource is located

String

aws.service

Name of the AWS service

String

aws.sns

AWS SNS (Simple Notification Service)

String

AWS SQS

â€‹

Name

Description

Type

aws.service.type

Service Type of the AWS resource

String

aws.region

AWS Region where the resource is located

String

aws.service

Name of the AWS service

String

aws.sqs

AWS SQS (Simple Queue Service)

String

AWS VPC

â€‹

Name

Description

Type

aws.service.type

Service Type of the AWS resource

String

aws.region

AWS Region where the resource is located

String

aws.service

Name of the AWS service

String

aws.vpc

AWS VPC (Virtual Private Cloud)

String

aws.vpc.dhcp.options.id

ID of the DHCP options set for the VPC

String

aws.vpc.is.default

Indicates whether the VPC is the default VPC in the region

String

aws.vpc.state

State of the VPC

String

aws.vpc.instance.tenancy

Tenancy of instances in the VPC

String

aws.vpc.cidr.block

CIDR block associated with the VPC

String

Page Title: aws-application-elb

On this page

AWS Load Balancer - Application

Overview

â€‹

AWS Application Load Balancer (ALB) is a fully managed load balancing service provided by Amazon Web Services (AWS). It operates at the application layer (Layer 7) of the OSI model, making it capable of intelligently routing and distributing incoming traffic based on the content of the requests.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for Amazon ELB here. These are the same for any other AWS service that you need to monitor using AIOps. Move to the section

Adding AWS resources for Monitoring

 on the above link to view the prerequisites for AWS resource monitoring.

List of Supported KPIs

â€‹

AWS Application ELB

â€‹

Name

Description

Type

event.timestamp

The timestamp of the event.

Count

aws.elb.2xx.responses

The count of successful responses (2xx) from the ELB.

Count

aws.elb.target.response.time.ms

The sum of target response times in milliseconds.

Milliseconds

aws.elb.processed.bytes.rate

The sum of processed bytes per second by the ELB.

Bytes

aws.elb.requests.rate

The sum of requests per second received by the ELB.

Count

aws.elb.target.connection.errors

The count of target connection errors encountered by the ELB.

Count

aws.elb.rule.evaluations

The count of rule evaluations performed by the ELB.

Count

aws.elb.consumed.lcus

The sum of load balancer capacity units consumed by the ELB.

Count

aws.elb.new.connections

The sum of new connections established with the ELB.

Count

aws.elb.active.connections

The sum of active connections with the ELB.

Count

aws.elb.rejected.connections

The sum of rejected connections by the ELB.

Count

aws.elb.client.tls.negotiation.errors

The count of TLS negotiation errors encountered by clients.

Count

aws.elb.target.tls.negotiation.errors

The count of TLS negotiation errors encountered by targets.

Count

aws.elb.3xx.responses

The count of HTTP 3xx responses from the ELB.

Count

aws.elb.4xx.responses

The count of HTTP 4xx responses from the ELB.

Count

aws.elb.5xx.responses

The count of HTTP 5xx responses from the ELB.

Count

aws.elb.500.responses

The count of HTTP 500 responses from the ELB.

Count

aws.elb.502.responses

The count of HTTP 502 responses from the ELB.

Count

aws.elb.503.responses

The count of HTTP 503 responses from the ELB.

Count

aws.elb.504.responses

The count of HTTP 504 responses from the ELB.

Count

aws.elb.unhealthy.hosts

The count of unhealthy hosts in the ELB.

Count

aws.elb.healthy.hosts

The count of healthy hosts in the ELB.

Count

AWS ELB

Name

Description

Type

aws.elb.instance.creation.time

The creation time of the AWS ELB instance.

String

aws.elb.vpc.id

The ID of the VPC associated with the AWS ELB.

String

aws.elb.load.balancer.name

The name of the AWS ELB load balancer.

String

aws.elb.instance.creation.time.seconds

The creation time of the AWS ELB instance in seconds.

consts.MetricCount

aws.elb.scheme

The scheme of the AWS ELB.

String

aws.state

The state of the AWS ELB.

String

aws.elb.hosted.zone

The hosted zone of the AWS ELB.

String

aws.elb.dns.name

The DNS name of the AWS ELB.

String

aws.elb.ipaddress.type

The IP address type of the AWS ELB.

String

aws.elb.region

The region of the AWS ELB.

String

aws.elb.arn

The ARN (Amazon Resource Name) of the AWS ELB.

String

aws.elb.type

The type of the AWS ELB.

String

aws.availability.zone

The availability zone of the AWS ELB.

String

status

The status of the AWS ELB.

String

aws.elb.security.groups

The security groups associated with the AWS ELB.

String

system.tags

The system tags of the AWS ELB.

String

Page Title: aws-autoscaling

On this page

AWS Auto Scaling

Overview

â€‹

AWS Auto Scaling is a service provided by Amazon Web Services (AWS) that automatically adjusts the number of EC2 instances or other resources in an application's fleet based on defined scaling policies. It helps maintain application availability, optimize performance, and minimize costs by dynamically scaling resources in response to changes in demand.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for AWS SNS here. These are the same for any other AWS service that you need to monitor using AIOps. Move to the section

Adding AWS resources for Monitoring

 on the above link to view the prerequisites for AWS resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

aws.instance.creation.time

Instance Creation Time

String

aws.instance.creation.time.seconds

Instance Creation Time Seconds

Count

system.tags

System Tags

String

aws.availability.zone

Availability Group

String

aws.autoscaling.health.check.type

Health Check Type

String

event.timestamp

Event TimeStamp

Count

aws.autoscaling.group.min.size

GroupMinSize

None

aws.autoscaling.group.max.size

GroupMaxSize

None

aws.autoscaling.group.desired.capacity

GroupDesiredCapacity

None

aws.autoscaling.group.in.service.instances

GroupInServiceInstances

None

aws.autoscaling.group.pending.instances

GroupPendingInstances

None

aws.autoscaling.group.standby.instances

Average number of instances in the Standby state for an Auto Scaling group.

None

aws.autoscaling.group.terminating.instances

Average number of instances in the Terminating state for an Auto Scaling group.

None

aws.autoscaling.group.instances

Average number of instances for an Auto Scaling group.

None

aws.autoscaling.group.pending.capacity.units

Total number of capacity units pending for an Auto Scaling group that's launching or terminating instances.

Count

aws.autoscaling.group.in.service.capacity.units

Total number of capacity units that are running instances and are registered with the load balancer attached to your Auto Scaling group.

Count

aws.autoscaling.group.standby.capacity.units

Total number of capacity units that are running instances in the Standby state for an Auto Scaling group.

Count

aws.autoscaling.group.terminating.capacity.units

Total number of capacity units that are running instances in the Terminating state for an Auto Scaling group.

Count

aws.autoscaling.group.provisioned.capacity.units

Total number of capacity units that have been provisioned for an Auto Scaling group.

Count

Page Title: aws-billing

On this page

AWS Billing

Overview

â€‹

AWS Billing is a service provided by Amazon Web Services (AWS) that allows customers to manage and monitor their usage and costs on the AWS platform. With AWS Billing, organizations can access detailed billing reports, track their spending, and analyze usage patterns to optimize their AWS resource utilization and control costs effectively.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for AWS Billing here. These are the same for any other AWS service that you need to monitor using AIOps. Move to the section

Adding AWS resources for Monitoring

 on the above link to view the prerequisites for AWS resource monitoring.

List of Supported KPIs

â€‹

Metrics

Description

Type

aws.billing.expenditure

The actual spending costs for your budget period

Count

aws.billing.usage.forecast

The forecasted spending costs for your budget period

Count

Page Title: aws-cloud-front

On this page

AWS CloudFront

Overview

â€‹

AWS CloudFront is a content delivery network (CDN) service provided by Amazon Web Services (AWS). It enables organizations to deliver their content, including web pages, videos, images, and other static or dynamic assets, to users with low latency and high data transfer speeds. CloudFront uses a global network of edge locations strategically placed around the world, reducing the distance between end-users and content servers, thus improving performance and user experience.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for AWS Cloudfront here. These are the same for any other AWS service that you need to monitor using AIOps. Move to the section

Adding AWS resources for Monitoring

 on the above link to view the prerequisites for AWS resource monitoring.

List of Supported KPIs

â€‹

Metrics

Description

Type

aws.cloudfront.401.error.rate.percent

The percentage of all the requests with responseâ€™s HTTP status code as 401.

Percentage(%)

aws.cloudfront.403.error.rate.percent

The percentage of all the requests with response's HTTP status code as 403.

Percentage(%)

aws.cloudfront.404.error.rate.percent

The percentage of all the requests with response's HTTP status code as 404.

Percentage(%)

aws.cloudfront.4xx.error.rate.percent

The percentage of all the requests with response's HTTP status code as 4xx.

Percentage(%)

aws.cloudfront.502.error.rate.percent

The percentage of all the requests with response's HTTP status code as 502.

Percentage(%)

aws.cloudfront.503.error.rate.percent

The percentage of all the requests with response's HTTP status code as 503.

Percentage(%)

aws.cloudfront.504.error.rate.percent

The percentage of all the requests with response's HTTP status code as 504.

Percentage(%)

aws.cloudfront.5xx.error.rate.percent

The percentage of all the requests with response's HTTP status code as 5xx.

Percentage(%)

aws.cloudfront.cache.hit.ratio.percent

The percentage of all the HTTP requests for which the CloudFront queried the content from the cache. This shows the proportion of requests completed from CloudFront cache instead of going to the origin server.

Percentage(%)

aws.cloudfront.downloaded.bytes.rate

The total number of bytes downloaded by viewers for GET, HEAD, and OPTIONS requests.

None

aws.cloudfront.requests.rate

The number of requests for all HTTP methods and for both HTTP and HTTPS requests.

None

aws.cloudfront.total.error.ratio.percent

The percentage of all viewer requests for which the response's HTTP status code is 4xx or 5xx.

Percentage(%)

aws.cloudfront.uploaded.bytes.rate

The total number of bytes that viewers uploaded to your origin with CloudFront, using POST and PUT requests.

None

aws.cloudfront.origin.latency.ms

The total time spent from when CloudFront receives a request to when it starts providing a response to the network (not the viewer) for requests that are served from the origin (not the CloudFront cache). This is also known as first byte latency or time-to-first-byte

Milliseconds

Page Title: aws-document-db

AWS Document DB

Overview

â€‹

AWS DocumentDB is a fully managed NoSQL database service provided by Amazon Web Services (AWS). It is designed to handle large volumes of semi-structured data and is compatible with the MongoDB API, making it easy for developers familiar with MongoDB to migrate their applications to AWS DocumentDB seamlessly.

Prerequisites

â€‹

You can

check the list of prerequisites

required for Amazon DocumentDB here. These are the same for any other AWS service that you need to monitor using AIOps. Move to the section

Adding AWS resources for Monitoring

on the above link to view the prerequisites for AWS resource monitoring.

List of Supported KPIs

â€‹

Metrics	Description	Type
aws.documentdb.swap.used.bytes	The amount of swap space used on the instance.	Count
aws.documentdb.disk.read.bytes.per.sec		

The average number of disk I/O operations per second.

Count

aws.documentdb.database.connections

The average number of connections to an instance.

Count

aws.documentdb.low.mem.throttle.queue.depth

The queue depth for requests that are throttled due to low available memory taken at a one-minute

frequency.

Count

aws.documentdb.low.mem.throttle.max.queue.depth

The queue depth for requests that are throttled due to low available memory taken at a one-minute

frequency.

Count

aws.documentdb.database.max.connections

The maximum number of connections to an instance.

Count

aws.documentdb.low.mem.throttled.operations

The number of requests that are throttled due to low available memory in a one-minute period.

Count

aws.documentdb.opened.cursors

The maximum number of open cursors on an instance in a one-minute period.

Count

aws.documentdb.max.cursors

The maximum number of open cursors on an instance in a one-minute period.

Count

aws.documentdb.timed.out.cursors

The number of cursors that timed out in a one-minute period.

Count

aws.documentdb.buffer.cache.hit.ratio.percent

Average percentage of requests that are served by the buffer cache.

Percentage(%)

aws.documentdb.disk.queue.depth

The number of outstanding read/write requests waiting to access the disk.

Count

aws.documentdb.opened.transactions

The number of transactions open on an instance taken at a one-minute frequency.

Count

aws.documentdb.max.open.transactions

The number of transactions open on an instance taken at a one-minute frequency

Count

aws.documentdb.engine.uptime.seconds

The amount of time that the instance has been running.

Seconds

aws.documentdb.read.latency.seconds

Shown as second

Seconds

aws.documentdb.write.latency.seconds

The average amount of time taken per disk I/O operation.

Seconds

aws.documentdb.deleted.documents

Shown as millisecond

Count

aws.documentdb.inserted.documents

The number of inserted documents in a one-minute period.

Count

aws.documentdb.returned.documents

The number of returned documents in a one-minute period.

Count

aws.documentdb.updated.documents

The number of updated documents in a one-minute period.

Count

aws.documentdb.query.opcounters

The number of queries issued in a one-minute period.

Count

aws.documentdb.command.opcounters

The number of commands issued in a one-minute period.

Count

aws.documentdb.delete.opcounters

The number of delete operations issued in a one-minute period.

Count

aws.documentdb.getmore.opcounters

The number of getmores issued in a one-minute period.

Count

aws.documentdb.insert.opcounters

The number of insert operations issued in a one-minute period.

Count

aws.documentdb.update.opcounters

The number of update operations issued in a one-minute period.

Count

aws.documentdb.started.transactions

The number of transactions started on an instance in a one-minute period.

Count

aws.documentdb.committed.transactions

The number of transactions committed on an instance in a one-minute period.

Count

aws.documentdb.aborted.transactions

The number of transactions aborted on an instance in a one-minute period

Count

aws.documentdb.disk.write.ops.per.sec

The average number of disk I/O operations per second.

Count

aws.documentdb.disk.write.bytes.per.sec

The average number of disk I/O operations per second.

Count

Page Title: aws-dynamo-db

On this page

AWS DynamoDB

Overview

â€‹

Amazon DynamoDB is a fully managed NoSQL database service provided by Amazon Web Services (AWS). It is designed to handle large volumes of semi-structured and unstructured data with seamless scalability and low-latency performance. DynamoDB is built for high availability and durability, automatically replicating data across multiple Availability Zones to ensure reliability.

Prerequisites

â€‹

You can

check the list of prerequisites

required for Amazon Dynamo DB here. These are the same for any other AWS service that you need to monitor using AIOps. Move to the section

Adding AWS resources for Monitoring

on the above link to view the prerequisites for AWS resource monitoring.

List of Supported KPIs

â€‹

Metrics

Description

Type

aws.dynamodb.write.throttled.requests

Number of write events that exceeded the preset provisioned throughput limits in the specified time period.

Count

aws.dynamodb.read.throttled.requests

Number of read events that exceeded the preset provisioned throughput limits in the specified time period.

Count

aws.dynamodb.throttled.requests

Number of user requests that exceeded the preset provisioned throughput limits.

Count

aws.dynamodb.online.index.progress.percent

Percentage of completion when a new global secondary index is being added to a table.

Count

aws.dynamodb.online.index.throttle.events

Number of write throttle events that occur when adding a new global secondary index to a table.

Count

aws.dynamodb.batch.write.item.throttled.requests

The maximum number of write capacity units that can be used by a table or global secondary index of an account.

Count

aws.dynamodb.account.max.table.writes

The maximum number of write capacity units that can be used by a table or global secondary index of an account.

Count

aws.dynamodb.account.max.table.reads

The maximum number of read capacity units that can be used by a table or global secondary index of an account.

Count

aws.dynamodb.account.max.reads

The maximum number of read capacity units that can be used by an account

Count

aws.dynamodb.account.max.writes

The maximum number of write capacity units that can be used by an account.

Count

aws.dynamodb.provisioned.read.used.percent

The percentage of provisioned read capacity units utilized by an account.

Count

aws.dynamodb.provisioned.write.used.percent

The percentage of provisioned write capacity units utilized by an account.

Count

aws.dynamodb.provisioned.table.write.used.percent

The percentage of provisioned write capacity units utilized by the highest provisioned write table or global secondary index of an account.

Count

aws.dynamodb.provisioned.table.read.used.percent

The percentage of provisioned read capacity units utilized by the highest provisioned read table or global secondary index of an account.

Count

Page Title: aws-ebs

On this page

AWS EBS

Overview

â€‹

Amazon EBS (Elastic Block Store) is a fully managed block storage service provided by Amazon Web Services (AWS). It allows you to create and attach persistent block storage volumes to Amazon EC2 instances, providing scalable and high-performance storage for your applications.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for AWS SNS here. These are the same for any other AWS service that you need to monitor using AIOps. Move to the section

Adding AWS resources for Monitoring

 on the above link to view the prerequisites for AWS resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

status

The status of the EBS volume

String

aws.ebs.volume.creation.time

The time at which the volume was created

String

aws.ebs.volume.creation.time.seconds

The time at which the volume was created

Count

aws.ebs.volume.device

The device name of the EBS volume

String

aws.availability.zone

The availability zone of the EBS volume

String

aws.ebs.volume.max.io.ops.per.sec

The maximum number of I/O operations per second allowed for the EBS volume

Count

aws.ebs.volume.ec2.instance.id

The ID of the EC2 instance to which the EBS volume is attached

String

aws.ebs.volume.attached.time

The time at which the EBS volume was attached to the EC2 instance

String

aws.ebs.volume.type

The type of the EBS volume

String

aws.ebs.volume

The name of the EBS volume

String

aws.state

The state of the EBS volume

String

aws.ebs.volume.snapshot.id

The ID of the snapshot used to create the EBS volume

String

aws.ebs.volume.region

The region of the EBS volume

String

aws.ebs.volume.attached.time.sec

The time at which the EBS volume was attached to the EC2 instance in seconds

Count

aws.ebs.volume.attachment.status

The status of the attachment of the EBS volume to the EC2 instance

Count

Event TimeStamp

Timestamp when an event occurred

Count

aws.ebs.volume.read.bytes.per.sec

The number of bytes read per second from an EBS volume

Bytes

aws.ebs.volume.write.bytes.per.sec

The number of bytes written per second to an EBS volume

Bytes

aws.ebs.volume.read.ops.per.sec

The number of read operations per second on an EBS volume

Count

aws.ebs.volume.write.ops.per.sec

The number of write operations per second on an EBS volume

Count

aws.ebs.volume.idle.time.percent

The percentage of time an EBS volume is idle

Seconds

aws.ebs.volume.queue.length

The average queue length of an EBS volume

Count

aws.ebs.volume.avg.read.latency.ms

The average time taken to read from an EBS volume in milliseconds

Seconds

aws.ebs.volume.avg.write.latency.ms

The average time taken to write to an EBS volume in milliseconds

Seconds

aws.ebs.volume.throughput.percent

The percentage of throughput an EBS volume is using

Percent

aws.ebs.volume.consumed.read.write.operations

The average number of consumed read and write operations on an EBS volume

Count

aws.ebs.volume.burst.balance.percent

The percentage of burst balance an EBS volume has

Percent

Page Title: aws-ec2

On this page

AWS EC2

Overview

â€‹

Amazon EC2 (Elastic Compute Cloud) is a web service provided by Amazon Web Services (AWS) that enables organizations to easily provision and manage virtual servers in the cloud. With EC2, developers and businesses can quickly scale compute resources based on demand and only pay for the capacity they use.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for AWS EC2 here. These are the same for any other AWS service that you need to monitor using AIOps. Move to the section

Adding AWS resources for Monitoring

 on the above link to view the prerequisites for AWS resource monitoring.

List of Supported KPIs

â€‹

Metrics

Description

Type

aws.ec2.status.check.failed

1 if one of the status checks failed

Count

aws.ec2.status.check.failed.instance

0 if the instance has passed the EC2 instance status check.

Count

aws.ec2.network.packets

Total Number of bytes received on all network interfaces by the instance.

Bytes

aws.ec2.status.check.failed.system

0 if the instance has passed the EC2 system status check.

Count

aws.ec2.cpu.percent

Average percentage of allocated EC2 compute units that are currently in use on the instance.

Average

aws.ec2.cpu.credit.usage

Number of CPU credits consumed.

Count

aws.ec2.cpu.surplus.credit.balance

The number of surplus credits that have been spent by an unlimited instance when its CPUCreditBalance value is zero.

Count

aws.ec2.cpu.surplus.credit.charged

The number of spent surplus credits that are not paid down by earned CPU credits, and which thus incur an additional charge.

Count

aws.ec2.cpu.credit.balance

Number of CPU credits that an instance has accumulated.

Average

aws.ec2.disk.io.read.ops.per.sec

Completed read operations from all ephemeral disks available to the instance.

Operation

aws.ec2.disk.io.write.ops.per.sec

Completed write operations to all ephemeral disks available to the instance.

Operation

aws.ec2.disk.io.read.bytes.per.sec

Bytes read from all ephemeral disks available to the instance.

Bytes

aws.ec2.disk.io.write.bytes.per.sec

Bytes written to all ephemeral disks available to the instance.

Bytes

aws.ec2.network.in.bytes.per.sec

Average number of bytes received on all network interfaces by the instance.

Average

aws.ec2.network.out.bytes.per.sec

Average number of bytes sent out on all network interfaces by the instance.

Average

aws.ec2.network.in.packets

Number of packets received on all network interfaces by the instance

Count

aws.ec2.network.out.packets

Number of packets sent out on all network interfaces by the instance

Count

Page Title: aws-elastic-beanstalk

On this page

AWS Elastic Beanstalk

Overview

â€‹

AWS Elastic Beanstalk is a fully managed service provided by Amazon Web Services (AWS) that simplifies the deployment, management, and scaling of web applications and services. It allows developers to focus on writing code and building their applications while leaving the infrastructure management to AWS.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for AWS SNS here. These are the same for any other AWS service that you need to monitor using AIOps. Move to the section

Adding AWS resources for Monitoring

 on the above link to view the prerequisites for AWS resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

aws.elasticbeanstalk.application.2xx.requests

Number of HTTP 2xx status code requests

Count

aws.elasticbeanstalk.application.3xx.requests

Number of HTTP 3xx status code requests

Count

aws.elasticbeanstalk.application.4xx.requests

Number of HTTP 4xx status code requests

Count

aws.elasticbeanstalk.application.5xx.requests

Number of HTTP 5xx status code requests

Count

aws.elasticbeanstalk.application.p10.latency.seconds

10th percentile of response latency

Count

aws.elasticbeanstalk.application.p50.latency.seconds

50th percentile of response latency

Count

aws.elasticbeanstalk.application.p75.latency.seconds

75th percentile of response latency

Count

aws.elasticbeanstalk.application.p85.latency.seconds

85th percentile of response latency

Count

aws.elasticbeanstalk.application.p90.latency.seconds

90th percentile of response latency

Count

aws.elasticbeanstalk.application.p95.latency.seconds

95th percentile of response latency

Count

aws.elasticbeanstalk.application.p99.latency.seconds

99th percentile of response latency

Count

aws.elasticbeanstalk.application.p999.latency.seconds

99.9th percentile of response latency

Count

aws.elasticbeanstalk.application.requests

Total number of requests

Count

aws.elasticbeanstalk.cpu.idle.percent

Percentage of idle CPU

Count

aws.elasticbeanstalk.cpu.io.wait.percent

Percentage of CPU time spent waiting for I/O operations

Count

aws.elasticbeanstalk.cpu.irq.percent

Percentage of CPU time spent handling hardware interrupts

Count

aws.elasticbeanstalk.cpu.nice.percent

Percentage of CPU time spent on low-priority processes

Count

aws.elasticbeanstalk.cpu.soft.irq.percent

Percentage of CPU time spent handling software interrupts

Count

aws.elasticbeanstalk.cpu.system.percent

Percentage of CPU time spent in kernel mode

Count

aws.elasticbeanstalk.cpu.user.percent

Percentage of CPU time spent in user mode

Count

aws.elasticbeanstalk.degraded.instances

Number of instances in a degraded state

Count

aws.elasticbeanstalk.deploy.time

Time taken for deployment in seconds

Count

aws.elasticbeanstalk.environment.health

Health status of the Elastic Beanstalk environment

String

aws.elasticbeanstalk.info.instances

Number of instances in the environment

Count

aws.elasticbeanstalk.instance.health

Health status of an Elastic Beanstalk instance

String

aws.elasticbeanstalk.launch.time

Time taken to launch an instance in seconds

Count

aws.elasticbeanstalk.load.avg1.min

Elastic Beanstalk Load AVG (1 Minute)

Count

aws.elasticbeanstalk.load.avg5.min

Elastic Beanstalk Load AVG (5 Minutes)

Count

aws.elasticbeanstalk.nodata.instances

Elastic Beanstalk Nodata Instances

Count

aws.elasticbeanstalk.ok.instances

Elastic Beanstalk OK Instances

Count

aws.elasticbeanstalk.pending.instances

Elastic Beanstalk Pending Instances

Count

aws.elasticbeanstalk.severe.instances

Elastic Beanstalk Severe Instances

Count

aws.elasticbeanstalk.unknown.instances

Elastic Beanstalk Unknown Instances

Count

aws.elasticbeanstalk.warning.instances

Elastic Beanstalk Warning Instances

Count

system.tags

System Tags

N/A

Page Title: aws-lambda

On this page

AWS Lambda

Overview

â€‹

AWS Lambda is a serverless compute service provided by Amazon Web Services (AWS). It allows developers to run code without the need to provision or manage servers. With AWS Lambda, developers can focus on writing application code while AWS automatically handles the scaling, monitoring, and maintenance of the infrastructure.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for AWS Lambda here. These are the same for any other AWS service that you need to monitor using AIOps. Move to the section

Adding AWS resources for Monitoring

 on the above link to view the prerequisites for AWS resource monitoring.

List of Supported KPIs

â€‹

aws.lambda.memory.size.bytes

Measures the amount of allocated memory available to the function during execution.

Count

aws.lambda.invocations

Measures the number of times a function is invoked in response to an event or invocation API call.

Count

aws.lambda.errors

Measures the number of invocations that failed due to errors in the function.

Count

aws.lambda.dead.letter.errors

Measures the sum of times Lambda is unable to write the failed event payload to your configured Dead Letter Queues.

Count

aws.lambda.throttles

Measures the number of Lambda function invocation attempts that were throttled due to invocation rates exceeding the customer's concurrent limits (error code 429). Failed invocations may trigger a retry attempt that succeeds.

Count

aws.lambda.provisioned.concurrency.invocations

Measures the number of invocations that are run on provisioned concurrency

Count

aws.lambda.provisioned.concurrency.spillover.invocations

Measures the number of invocations that are run on non-provisioned concurrency when all provisioned concurrency is in use

Count

aws.lambda.iterator.age.ms

Measures the age of the last record for each batch of records processed

Count

aws.lambda.concurrent.executions

Measures the average of concurrent executions for a given function at a given point in time.

Count

aws.lambda.unreserved.concurrent.executions

Measures the sum of the concurrency of the functions that don't have a custom concurrency limit specified.

Count

aws.lambda.provisioned.concurrent.executions

Measures the average number of events that are being processed on provisioned concurrency

Count

aws.lambda.provisioned.concurrency.utilization.percent

Measures the average fraction of provisioned concurrency in use for a given function at a given point in time

Count

Page Title: aws-network-elb

On this page

AWS Load Balancer - Network

Overview

â€‹

AWS Network Load Balancer (NLB) is a fully managed load balancing service provided by Amazon Web Services (AWS). It operates at the transport layer (Layer 4) of the OSI model, making it highly efficient and suitable for applications that require extreme scalability and low latency.

Prerequisites

â€‹

You can

check the list of prerequisites

required for Amazon ELB here. These are the same for any other AWS service that you need to monitor using AIOps. Move to the section

Adding AWS resources for Monitoring

on the above link to view the prerequisites for AWS resource monitoring.

List of Supported KPIs

â€‹

AWS Network ELB

â€‹

Name

Description

Type

aws.elb.unhealthy.hosts

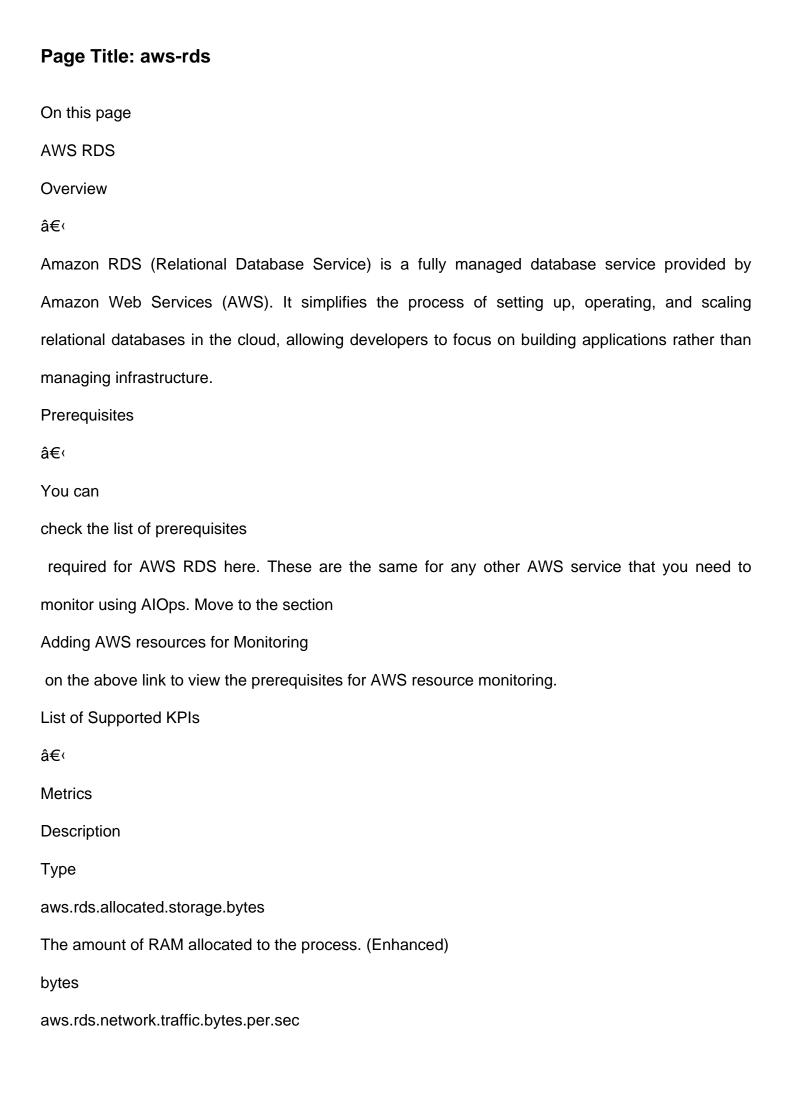The maximum count of unhealthy hosts in the ELB.

Count

aws.elb.healthy.hosts

The maximum count of healthy hosts in the ELB.

Count

event.timestamp

The count of event timestamps.

Count

aws.elb.udp.new.flows

The sum of new UDP flows in the ELB.

Count

aws.elb.tcp.processed.bytes

The sum of processed TCP bytes in the ELB.

Bytes

aws.elb.new.flows

The sum of new flows in the ELB.

Count

aws.elb.processed.bytes.rate

The sum of processed bytes rate in the ELB.

Bytes

aws.elb.active.flows

The average count of active flows in the ELB.

Count

aws.elb.tcp.active.flows

The average count of active TCP flows in the ELB.

Count

aws.elb.tls.active.flows

The average count of active TLS flows in the ELB.

Count

aws.elb.udp.active.flows

The average count of active UDP flows in the ELB.

Count

aws.elb.client.tls.negotiation.errors

The sum of client TLS negotiation errors in the ELB.

Count

aws.elb.consumed.lcus

The sum of consumed LCUs in the ELB.

Count

aws.elb.tcp.consumed.lcus

The sum of consumed LCUs for TCP in the ELB.

Count

aws.elb.tls.consumed.lcus

The sum of consumed LCUs for TLS in the ELB.

Count

aws.elb.udp.consumed.lcus

The sum of consumed LCUs for UDP in the ELB.

Count

aws.elb.tcp.new.flows

The sum of new TCP flows in the ELB.

Count

aws.elb.tls.new.flows

The sum of new TLS flows in the ELB.

Count

aws.elb.tls.processed.bytes

The sum of processed TLS bytes in the ELB.

Bytes

aws.elb.udp.processed.bytes

The sum of processed UDP bytes in the ELB.

Bytes

aws.elb.target.tls.negotiation.errors

The sum of target TLS negotiation errors in the ELB.

Count

aws.elb.tcp.client.resets

The sum of TCP client resets in the ELB.

Count

aws.elb.tcp.elb.resets

The sum of TCP ELB resets in the ELB.

Count

aws.elb.tcp.target.elb.resets

The sum of TCP target ELB resets in the ELB.

Count

AWS ELB

Name

Description

Type

aws.elb.instance.creation.time

The creation time of the AWS ELB instance.

String

aws.elb.vpc.id

The ID of the VPC associated with the AWS ELB.

String

aws.elb.load.balancer.name

The name of the AWS ELB load balancer.

String

aws.elb.instance.creation.time.seconds

The creation time of the AWS ELB instance in seconds.

consts.MetricCount

aws.elb.scheme

The scheme of the AWS ELB.

String

aws.state

The state of the AWS ELB.

String

aws.elb.hosted.zone

The hosted zone of the AWS ELB.

String

aws.elb.dns.name

The DNS name of the AWS ELB.

String

aws.elb.ipaddress.type

The IP address type of the AWS ELB.

String

aws.elb.region

The region of the AWS ELB.

String

aws.elb.arn

The ARN (Amazon Resource Name) of the AWS ELB.

String

aws.elb.type

The type of the AWS ELB.

String

aws.availability.zone

The availability zone of the AWS ELB.

String

status

The status of the AWS ELB.

String

aws.elb.security.groups

The security groups associated with the AWS ELB.

String

system.tags

The system tags of the AWS ELB.

String

Page Title: aws-rds

On this page

AWS RDS

Overview

â€‹

Amazon RDS (Relational Database Service) is a fully managed database service provided by Amazon Web Services (AWS). It simplifies the process of setting up, operating, and scaling relational databases in the cloud, allowing developers to focus on building applications rather than managing infrastructure.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for AWS RDS here. These are the same for any other AWS service that you need to monitor using AIOps. Move to the section

Adding AWS resources for Monitoring

 on the above link to view the prerequisites for AWS resource monitoring.

List of Supported KPIs

â€‹

Metrics

Description

Type

aws.rds.allocated.storage.bytes

The amount of RAM allocated to the process. (Enhanced)

bytes

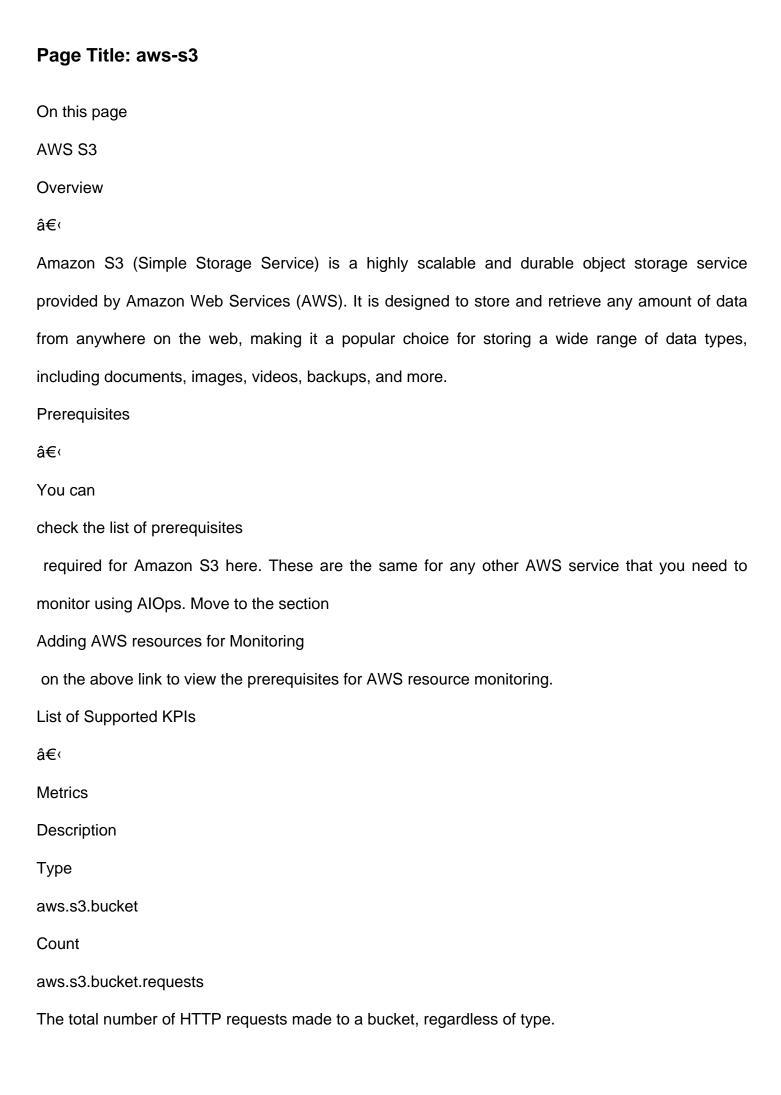aws.rds.network.traffic.bytes.per.sec

The number of bytes per second.

second

aws.rds.cpu.credit.usage

[T2 instances]

 Number of CPU credits consumed. Available for Aurora dbs.

bytes

aws.rds.cpu.credit.balance

[T2 instances]

 Number of CPU credits that an instance has accumulated. Available for Aurora dbs.

bytes

aws.rds.network.in.traffic.bytes.per.sec

The number of packets received. (Enhanced)

bytes

aws.rds.network.out.traffic.bytes.per.sec

The number of packets uploaded. (Enhanced)

bytes

aws.rds.disk.io.read.latency.ms

Average amount of time taken per disk read I/O operation. Available for Aurora dbs.

second

aws.rds.disk.io.write.latency.ms

Average amount of time taken per disk write I/O operation. Available for Aurora dbs.

second

aws.rds.disk.io.read.ops.per.sec

The rate of read operations. (Enhanced)

second

aws.rds.storage.free.bytes

Amount of available storage space.

bytes

aws.rds.disk.io.write.ops.per.sec

The rate of write operations. (Enhanced)

second

Page Title: aws-s3

On this page

AWS S3

Overview

â€‹

Amazon S3 (Simple Storage Service) is a highly scalable and durable object storage service provided by Amazon Web Services (AWS). It is designed to store and retrieve any amount of data from anywhere on the web, making it a popular choice for storing a wide range of data types, including documents, images, videos, backups, and more.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for Amazon S3 here. These are the same for any other AWS service that you need to monitor using AIOps. Move to the section

Adding AWS resources for Monitoring

 on the above link to view the prerequisites for AWS resource monitoring.

List of Supported KPIs

â€‹

Metrics

Description

Type

aws.s3.bucket

Count

aws.s3.bucket.requests

The total number of HTTP requests made to a bucket, regardless of type.

Count

aws.s3.bucket.http.4xx.errors

The total number of HTTP 4xx server error status code requests made to a bucket

Count

aws.s3.bucket.http.5xx.errors

The total number of HTTP 5xx server error status code requests made to a bucket

Count

aws.s3.bucket.request.latency.ms

The average elapsed per-request time from the first byte received to the last byte sent to a bucket

Count

aws.s3.bucket.uploaded.bytes

The total number bytes uploaded to the bucket.

Count

aws.s3.bucket.downloaded.bytes

The total number bytes downloaded from the bucket.

Count

aws.s3.bucket.http.post.requests

The number of HTTP POST requests made to a bucket.

Count

aws.s3.bucket.http.head.requests

The number of HTTP HEAD requests made to a bucket.

Count

aws.s3.bucket.http.delete.requests

The number of HTTP DELETE requests made for objects in a bucket. This also includes Delete Multiple Objects requests.

Count

aws.s3.bucket.http.put.requests

The number of HTTP PUT requests made for objects in a bucket.

Count

aws.s3.bucket.http.get.requests

The number of HTTP GET requests made for objects in a bucket. This doesn't include list operations.

Count

aws.s3.bucket.list.requests

The number of HTTP requests that list the contents of a bucket.
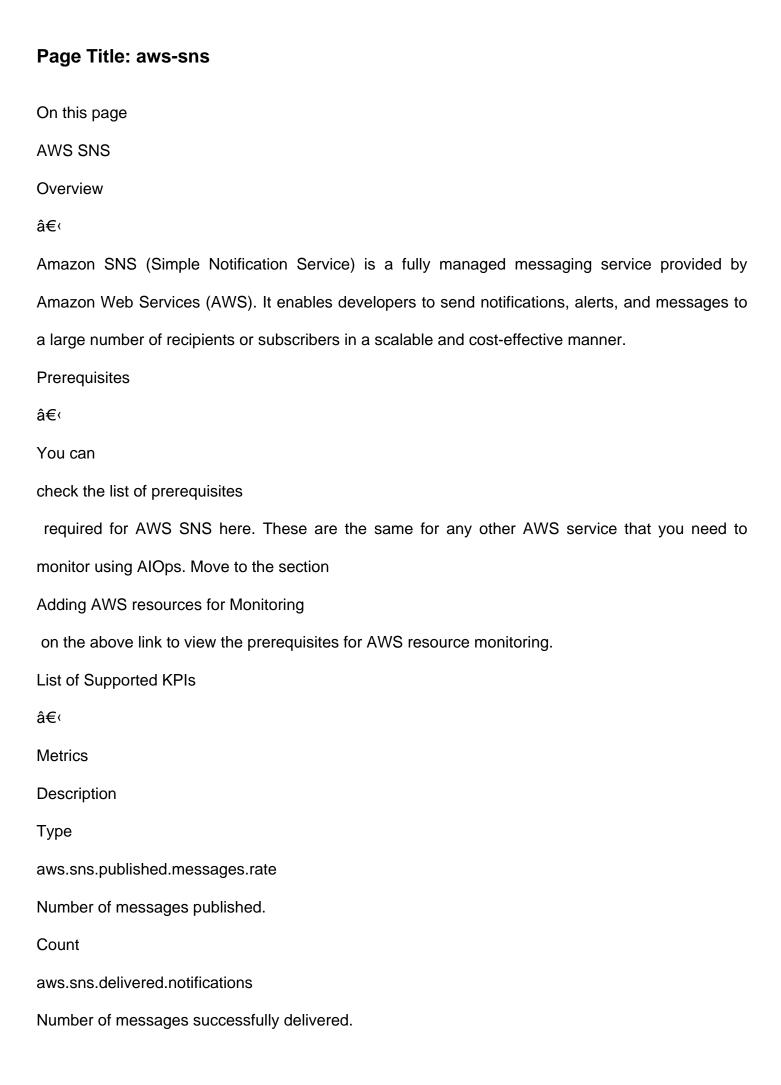
Count

aws.s3.bucket.first.byte.latency.ms

The average per-request time from the complete request being received by a bucket to when the response starts to be returned.
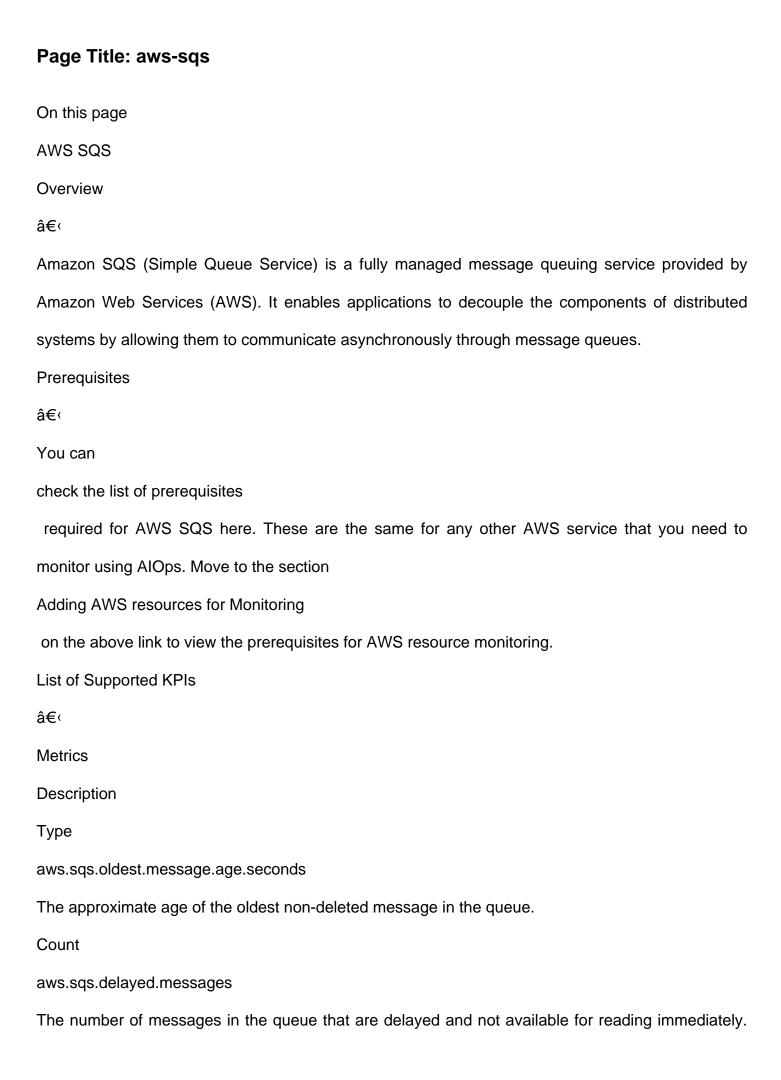
Count

aws.s3.bucket.bytes

The amount of data in bytes stored in a bucket in the Standard storage class, Standard –

Infrequent Access (Standard

—

IA) storage class, or the Reduced Redundancy Storage (RRS) class.

Count

Page Title: aws-sns

On this page

AWS SNS

Overview

â€‹

Amazon SNS (Simple Notification Service) is a fully managed messaging service provided by Amazon Web Services (AWS). It enables developers to send notifications, alerts, and messages to a large number of recipients or subscribers in a scalable and cost-effective manner.

Prerequisites

â€‹

You can

check the list of prerequisites

required for AWS SNS here. These are the same for any other AWS service that you need to monitor using AIOps. Move to the section

Adding AWS resources for Monitoring

on the above link to view the prerequisites for AWS resource monitoring.

List of Supported KPIs

â€‹

Metrics

Description

Type

aws.sns.published.messages.rate

Number of messages published.

Count

aws.sns.delivered.notifications

Number of messages successfully delivered.

Count

aws.sns.failed.notifications

Number of messages that SNS failed to deliver.

Count

aws.sns.published.bytes

Size of messages published.

Count

aws.sns.filtered.out.notifications

The number of messages that were rejected by subscription filter policies. A filter policy rejects a message when the message attributes don't match the policy attributes

Count

aws.sns.filtered.out.invalid.attribute.notifications

The number of messages that were rejected by subscription filter policies because the messages have no attributes.

Count

aws.sns.filtered.out.nomessage.attribute.notifications

The number of messages that were rejected by subscription filter policies. A filter policy rejects a message when the message attributes don't match the policy attributes.

Count

aws.sns.sms.successful.deliveries.rate.

The percentage of successfully delivered sms.

Percentage

Page Title: aws-sqs

On this page

AWS SQS

Overview

â€‹

Amazon SQS (Simple Queue Service) is a fully managed message queuing service provided by Amazon Web Services (AWS). It enables applications to decouple the components of distributed systems by allowing them to communicate asynchronously through message queues.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for AWS SQS here. These are the same for any other AWS service that you need to monitor using AIOps. Move to the section

Adding AWS resources for Monitoring

 on the above link to view the prerequisites for AWS resource monitoring.

List of Supported KPIs

â€‹

Metrics

Description

Type

aws.sqs.oldest.message.age.seconds

The approximate age of the oldest non-deleted message in the queue.

Count

aws.sqs.delayed.messages

The number of messages in the queue that are delayed and not available for reading immediately.

This can happen when the queue is configured as a delay queue or when a message has been sent with a delay parameter.

Count

aws.sqs.hidden.messages

The number of messages that are in flight. Messages are considered in flight if they have been sent to a client but have not yet been deleted or have not yet reached the end of their visibility window.

Count

aws.sqs.visible.messages

The number of messages available for retrieval from the queue.

Count

aws.sqs.empty.messages

The number of ReceiveMessage API calls that did not return a message.

Count

aws.sqs.deleted.messages

The number of messages deleted from the queue.

Count

aws.sqs.received.messages

The number of messages returned by calls to the ReceiveMessage API action.

Count

aws.sqs.sent.messages

The number of messages added to a queue.

Count

aws.sqs.sent.bytes

The size of messages added to a queue.

Count

Page Title: azure-application-gateway

On this page

Azure Application Gateway

Overview

â€‹

Azure Application Gateway is a fully-managed application delivery controller service provided by Microsoft Azure. It acts as a reverse proxy and load balancer, enabling the efficient and secure distribution of incoming HTTP and HTTPS traffic to backend application servers.

Prerequisites

â€‹

You can

check the list of prerequisites

required for Azure Application Gateway here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

azure.location

The location of the Azure Application Gateway.

String

azure.etag

The Etag value of the Azure Application Gateway.

String

azure.type

The type of the Azure Application Gateway.

String

azure.status

The status of the Azure Application Gateway.

String

azure.sku.name

The SKU name of the Azure Application Gateway.

String

azure.name

The name of the Azure Application Gateway.

String

system.tags

The system tags associated with the Azure Application Gateway.

String

azure.application.gateway.backend.connect.time.ms

The average backend connect time of the Azure Application Gateway.

Milliseconds

azure.application.gateway.backend.first.byte.response.time.ms

The average backend first byte response time of the Azure Application Gateway.

Milliseconds

azure.application.gateway.backend.last.byte.response.time.ms

The average backend last byte response time of the Azure Application Gateway.

Milliseconds

azure.application.gateway.backend.time.ms

The average total time spent in the backend of the Azure Application Gateway.

Milliseconds

azure.application.gateway.client.rtt.ms

The average round trip time (RTT) for clients of the Azure Application Gateway.

Milliseconds

azure.application.gateway.new.connections.per.sec

The average number of new connections per second for the Azure Application Gateway.

CountPerSecond

azure.application.gateway.cpu.percent

The average CPU utilization of the Azure Application Gateway.

Percent

azure.application.gateway.response.status

The total number of response statuses from the Azure Application Gateway.

Count

azure.application.gateway.throughput.bytes.per.sec

The average throughput of the Azure Application Gateway in bytes per second.

BytesPerSecond

azure.application.gateway.requests.rate

The total rate of requests handled by the Azure Application Gateway.

Count

azure.application.gateway.active.connections

The total number of current connections to the Azure Application Gateway.

Count

azure.application.gateway.failed.requests

The total number of failed requests handled by the Azure Application Gateway.

Count

azure.application.gateway.healthy.hosts

The average count of healthy hosts in the Azure Application Gateway.

Count

azure.application.gateway.unhealthy.hosts

The average count of unhealthy hosts in the Azure Application Gateway.

Count

azure.application.gateway.requests.per.healthy.host

The average number of requests per healthy host in the Azure Application Gateway.

Count

azure.application.gateway.received.bytes.rate

The total rate of received bytes by the Azure Application Gateway.

Bytes

azure.application.gateway.sent.bytes.rate

The total rate of sent bytes by the Azure Application Gateway.

Bytes

azure.application.gateway.tls.protocol.connections

The total number of TLS protocol connections to the Azure Application Gateway.

Count

azure.application.gateway.compute.units

The average number of compute units consumed by the Azure Application Gateway.

Count

azure.application.gateway.capacity.units

The average number of capacity units consumed by the Azure Application Gateway.

Count

azure.application.gateway.firewall.rules

The total number of matched firewall rules in the Azure Application Gateway.

Count

azure.application.gateway.estimated.billed.capacity.units

The average estimated billed capacity units of the Azure Application Gateway.

Count

azure.application.gateway.fixed.capacity.units

The average fixed billable capacity units of the Azure Application Gateway.

Count

azure.application.gateway.firewall.blocked.request.rules

The total number of blocked request rules by the firewall in the Azure Application Gateway.

Count

azure.application.gateway.firewall.blocked.requests

The total number of blocked requests by the firewall in the Azure Application Gateway.

Count

event.timestamp

The count of event timestamps.

Count

Page Title: azure-billing

On this page

Microsoft Microsoft Azure Billing

Overview

â€‹

Azure Billing is a service provided by Microsoft Azure that handles the billing and cost management aspects of using Azure cloud services. It provides a comprehensive set of tools and features to help users understand and optimize their cloud spending, monitor usage, and manage billing accounts.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for Azure SQL DB here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

 on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

azure.billing.service

The name of the Azure Billing Service.

String

azure.billing.service.usage.amount

The amount of usage for the Azure Billing Service.

Count

azure.billing.service.used.units

The units used for the Azure Billing Service.

String

azure.billing.amount

The billing amount for Azure services.

Count

Page Title: azure-blob-storage

Azure Blob Storage

Overview

â€‹

Azure Blob Storage is a specialized cloud storage service provided by Microsoft Azure, designed for storing and managing unstructured data, also known as blobs. It offers a scalable and cost-effective solution for storing large volumes of data, such as documents, images, videos, backups, and other types of files.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for Azure Storage here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

 on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

azure.storage.blob.location

Location of the Azure Storage Blob

String

azure.storage.blob.resource.group

Resource group associated with the Azure Storage Blob

String

azure.storage.blob.container.name

Name of the container containing the Azure Storage Blob

String

azure.storage.blob.server.encryption.status

Encryption status of the Azure Storage Blob at the server

String

azure.storage.blob.etag

Etag (entity tag) of the Azure Storage Blob

String

azure.storage.blob.lease.state

Lease state of the Azure Storage Blob

String

azure.storage.blob.last.modified

Last modified date of the Azure Storage Blob

String

azure.storage.blob.account.name

Name of the Azure Storage account

String

azure.storage.blob

Metric representing the Azure Storage Blob

String

azure.storage.blob.type

Type of the Azure Storage Blob

String

azure.storage.blob.size.bytes

Size of the Azure Storage Blob in bytes

String

azure.storage.blob.content.type

Content type of the Azure Storage Blob

String

azure.storage.blob.lease.status

Lease status of the Azure Storage Blob

String

azure.storage.blob.availability.percent

Blob availability percentage

Count

azure.storage.blob.egress.bytes.rate

Rate of egress bytes from the blob

Count

azure.storage.blob.ingress.bytes.rate

Rate of ingress bytes to the blob

Count

azure.storage.blob.capacity.bytes

Capacity in bytes of the blob

Count

azure.storage.blobs

Number of blobs

Count

azure.storage.blob.server.latency.ms

Latency in milliseconds for server operations on blob

Count

azure.storage.blob.e2e.latency.ms

End-to-end latency in milliseconds for the blob

Count

azure.storage.blob.transactions

Number of transactions on the blob

Count

Page Title: azure-cdn

On this page

Azure CDN

Overview

Azure Content Delivery Network (CDN) is a global, distributed network provided by Microsoft Azure that accelerates the delivery of web content and other assets to users around the world. It helps improve website performance, reduce latency, and enhance the user experience by caching and delivering content from the nearest edge server to the user's location.

Compatibility Version

AIOps 8.0

Prerequisites

You can

check the list of prerequisites

 required for Azure Application Gateway here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

 on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

Name

Description

Type

azure.status

The current status of the Azure CDN instance.

String

azure.type

The type of Azure CDN instance.

String

azure.cdn.endpoints

The number of CDN endpoints associated with the Azure CDN instance.

Count

azure.name

The name of the Azure CDN instance.

String

azure.location

The location of the Azure CDN instance.

String

system.tags

The system tag associated with the Azure CDN instance.

String

azure.cdn.byte.hit.ratio.percent

The byte hit ratio for the Azure CDN instance.

Percent

azure.cdn.requests

The total number of requests made to the Azure CDN instance.

Count

azure.cdn.response.bytes.rate

The total response size for the Azure CDN instance.

Bytes

azure.cdn.latency.ms

The average latency in milliseconds for the Azure CDN instance.

Milliseconds

event.timestamp

The timestamp of the event.

Count

Page Title: azure-cosmos-db

On this page

Azure Cosmos DB

Overview

â€‹

Azure Cosmos DB is a globally distributed, multi-model database service provided by Microsoft Azure. It is designed to handle massive workloads and seamlessly scale to support mission-critical applications with low-latency data access and high availability.

Prerequisites

â€‹

You can

check the list of prerequisites

required for Azure Application Gateway here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

azure.cosmos.db.resource.name

The name of the Cosmos DB resource

String

azure.location

The location of the resource

String

azure.cosmos.db.read.locations

The read locations of the Cosmos DB account

String

azure.provisioning.state

The provisioning state of the Cosmos DB account

String

azure.cosmos.db.resource.group

The resource group of the Cosmos DB account

String

azure.type

The type of Azure resource

String

azure.cosmos.db.resource.id

The resource ID of the Cosmos DB account

String

azure.cosmos.db.write.locations

The write locations of the Cosmos DB account

String

azure.cosmos.db.region.id

The region ID of the Cosmos DB account

String

azure.cosmos.db.document.endpoint

The document endpoint of the Cosmos DB account

String

status

The status of the resource

String

system.tags

The system tags of the Cosmos DB account

String

azure.cosmos.db.created.azure.tables

The number of Azure tables created

Count

azure.cosmos.db.deleted.azure.tables

The number of Azure tables deleted

Count

azure.cosmos.db.updated.azure.tables

The number of Azure tables updated

Count

azure.cosmos.db.available.storage.bytes

The amount of available storage in bytes

Bytes

azure.cosmos.db.normalized.ru.consumption.percent

The percentage of normalized Request Units (RUs) consumed

Percent

azure.cosmos.db.replication.latency.ms

The replication latency in milliseconds

Count

azure.cosmos.db.data.usage.bytes

The amount of data usage in bytes

Bytes

azure.cosmos.db.documents

The total number of documents

Count

azure.cosmos.db.document.quota.bytes

The document quota in bytes

Bytes

azure.cosmos.db.index.usage.bytes

The index usage in bytes

Bytes

azure.cosmos.db.metadata.requests

The number of metadata requests

Count

azure.cosmos.db.mongo.request.charge

Number of request units charged for MongoDB operations.

Count

azure.cosmos.db.mongo.requests

Number of MongoDB operations requested.

Count

azure.cosmos.db.provisioned.throughput

Maximum provisioned throughput of the database.

Count

azure.cosmos.db.request.units

Total request units (RU) consumed by the database.

Count

azure.cosmos.db.requests.rate

Number of requests made to the database per second.

Count

azure.cosmos.db.service.availability.percent

The percentage of time the Azure Cosmos DB service is available in a given time period.

Percent

event.timestamp

Time stamp for the event.

Count

Page Title: azure-file-storage

On this page

Azure File Storage

Overview

Azure File Storage is a cloud-based file sharing service provided by Microsoft Azure. It offers fully managed file shares that can be accessed and shared across multiple virtual machines, enabling seamless collaboration and data sharing between applications and users.

Prerequisites

You can

check the list of prerequisites

required for Azure Storage here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

Name

Description

Type

azure.storage.fileshare

Metric representing the Azure Storage File Share

String

azure.storage.fileshare.last.modified

Metric representing the last modified date of the Azure Storage File Share

String

azure.storage.fileshare.etag

Metric representing the Etag of the Azure Storage File Share

String

azure.storage.fileshare.quota.bytes

Metric representing the quota in bytes of the Azure Storage File Share

String

Page Title: azure-functions

On this page

Azure Functions

Overview

â€‹

Azure Functions is a serverless compute service provided by Microsoft Azure that allows developers to write and deploy small pieces of code, known as functions, without the need to manage the underlying infrastructure. With Azure Functions, you can execute code in response to various triggers, such as HTTP requests, timers, message queues, and data changes in Azure services.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for Azure Application Gateway here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

 on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

system.tags

System tags of the Azure Function

String

azure.function.last.modified.time

Last modified time of the Azure Function

String

azure.function.site.name

Site name of the Azure Function

String

azure.status

Status of the Azure services

String

azure.location

Location of the Azure Function

String

azure.function.availability.status

Availability status of the Azure Function

String

azure.type

Type of the Azure Function

String

azure.name

Name of the Azure Function

String

azure.function.received.bytes

Total received bytes by the Azure Function

Bytes

azure.function.sent.bytes

Total sent bytes by the Azure Function

Bytes

azure.function.connections

Average count of connections to the Azure Function

Count

azure.function.current.assemblies

Average count of current assemblies

Count

azure.function.execution.units

Total execution units of the Azure Function

Count

azure.function.executions

Total execution count of the Azure Function

Count

azure.function.gen.0.collections

Total Gen 0 collections of the Azure Function

Count

azure.function.gen.1.collections

Total Gen 1 collections of the Azure Function

Count

azure.function.gen.2.collections

Total Gen 2 collections of the Azure Function

Count

azure.function.handles

Average count of handles

Count

azure.function.5xx.requests

Total count of 5xx requests

Count

azure.function.other.bytes.per.sec

Total other bytes per second

BytesPerSecond

azure.function.write.bytes.per.sec

Total write bytes per second

BytesPerSecond

azure.function.read.bytes.per.sec

Total read bytes per second

BytesPerSecond

azure.function.read.ops.per.sec

Total read operations per second

BytesPerSecond

azure.function.write.ops.per.sec

Total write operations per second

BytesPerSecond

azure.function.other.ops.per.sec

Total other operations per second

BytesPerSecond

azure.function.memory.used.bytes

Average memory usage in bytes

Bytes

azure.function.private.bytes

Average private bytes usage

Bytes

azure.function.request.queued.requests

Average count of requests in application queue

Count

azure.function.threads

Average count of threads

Count

azure.function.app.domains

Average count of total application domains

Count

azure.function.unloaded.app.domains

Average count of unloaded application domains

Count

event.timestamp

Event timestamp

Count

Page Title: azure-load-balancer

On this page

Azure Load Balancer

Overview

â€‹

Azure Load Balancer is a high-availability, fully-managed load balancing service provided by Microsoft Azure. It distributes incoming network traffic across multiple virtual machines (VMs) or instances within a virtual network, ensuring optimal resource utilization, improved application performance, and fault tolerance.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for Azure Load Balancer here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

 on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

system.tags

Tags associated with the Azure Load Balancer

String

azure.status

Status of the Azure Load Balancer

String

azure.sku.name

SKU name of the Azure Load Balancer

String

azure.location

Location of the Azure Load Balancer

String

azure.etag

Etag of the Azure Load Balancer

String

azure.type

Type of the Azure Load Balancer

String

azure.name

Name of the Azure Load Balancer

String

azure.loadbalancer.availability

Average availability of the Azure Load Balancer

Count

azure.loadbalancer.snat.ports

Average allocated SNAT ports of the Azure Load Balancer

Count

azure.loadbalancer.bytes.rate

Total byte count of the Azure Load Balancer

Bytes

azure.loadbalancer.dip.availability

Average availability of the DIPs in Azure Load Balancer

Count

azure.loadbalancer.packets.rate

Total packet count of the Azure Load Balancer

Count

azure.loadbalancer.snat.connections

Total count of SNAT connections in Azure Load Balancer

Count

azure.loadbalancer.syn.packets

Total count of SYN packets in Azure Load Balancer

Count

azure.loadbalancer.used.snat.ports

Average used SNAT ports of the Azure Load Balancer

Count

event.timestamp

Timestamp of the event

Count

Page Title: azure-mysql-db

On this page

Microsoft Azure DB for MySQL

Overview

â€‹

Microsoft Azure Database for MySQL is a fully-managed, cloud-based relational database service provided by Microsoft Azure. It offers a scalable and high-performance solution for hosting MySQL databases in the Azure cloud environment, enabling developers to build and deploy applications with ease.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for Azure SQL DB here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

 on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

status

Status of the Azure MySQL server

String

azure.mysql.server.id

ID of the Azure MySQL server

String

azure.status

Status of the Azure services

String

azure.mysql.server.fqdn

Fully Qualified Domain Name of the Azure MySQL server

String

azure.mysql.server

Azure MySQL server name

String

azure.location

Location of the Azure resources

String

azure.mysql.server.resource.group

Resource group of the Azure MySQL server

String

azure.mysql.server.cpu.percent

CPU usage percentage

Percent

azure.mysql.server.data.storage.used.percent

Percentage of used data storage

Percent

azure.mysql.server.failed.connections

Total count of failed connections

Count

azure.mysql.server.memory.percent

Memory usage percentage

Percent

azure.mysql.server.active.connections

Average count of active connections

Count

azure.mysql.server.backup.storage.used.bytes

Average usage of backup storage

Bytes

azure.mysql.server.io.percent

IO consumption percentage

Percent

azure.mysql.server.network.ingress.bytes

Average ingress network traffic

Bytes

azure.mysql.server.network.egress.bytes

Average egress network traffic

Bytes

azure.mysql.server.replication.lag.sec

Average lag in seconds behind the master

Count

azure.mysql.server.log.storage.capacity.bytes

Maximum capacity of server log storage

Bytes

azure.mysql.server.log.storage.used.percent

Percentage of used server log storage

Percent

azure.mysql.server.log.storage.used.bytes

Average usage of server log storage

Bytes

azure.mysql.server.data.storage.capacity.bytes

Maximum capacity of data storage

Bytes

azure.mysql.server.data.storage.used.bytes

Average usage of data storage

Bytes

event.timestamp

Timestamp of the event

Count

Page Title: azure-postgresql-db

On this page

Microsoft Azure DB for PostgreSQL

Overview

â€‹

Microsoft Azure Database for PostgreSQL is a fully-managed, cloud-based relational database service provided by Microsoft Azure. It is based on the popular open-source PostgreSQL database management system and offers a scalable and high-performance solution for hosting PostgreSQL databases in the Azure cloud environment.

Prerequisites

â€‹

You can

check the list of prerequisites

required for Azure SQL DB here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

azure.postgresql.server

Azure PostgreSQL server

Percent

azure.postgresql.server.id

ID of the Azure PostgreSQL server

Bytes

azure.postgresql.server.resource.group

Resource group of the Azure PostgreSQL server

Bytes

azure.status

Status of the Azure services

Bytes

status

Status of the Azure PostgreSQL database

Count

azure.postgresql.server.replica.lag.seconds

Average lag in seconds behind the master

Count

azure.postgresql.server.active.connections

Average count of active connections

Count

azure.postgresql.server.cpu.percent

CPU usage percentage

Percent

azure.postgresql.server.log.storage.capacity.bytes

Maximum capacity of server log storage

Bytes

azure.postgresql.server.log.storage.used.bytes

Average usage of server log storage

Bytes

azure.postgresql.server.log.storage.used.percent

Percentage of used server log storage

Bytes

azure.postgresql.server.memory.percent

Memory usage percentage

Percent

azure.postgresql.server.storage.capacity.bytes

Average storage capacity

Bytes

azure.postgresql.server.storage.used.bytes

Average usage of storage

Percent

azure.postgresql.server.storage.used.percent

Percentage of used storage

Bytes

azure.postgresql.server.failed.connections

Average count of failed connections

Count

event.timestamp

Event timestamp

Count

azure.postgresql.server.network.out.bytes

Average egress network traffic

Bytes

azure.postgresql.server.network.in.bytes

Average ingress network traffic

Bytes

Page Title: azure-queue-storage

Azure Queue Storage

Overview

â€‹

Azure Queue Storage is a cloud-based messaging service provided by Microsoft Azure that enables asynchronous communication between components of distributed applications. It allows applications to exchange messages without direct coupling, providing a reliable and scalable way to pass information between different parts of the application.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for Azure Storage here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

 on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

azure.storage.queue

Azure Storage queue

String

azure.storage.queue.url

URL of the Azure Storage queue

String

azure.storage.queue.availability.percent

Queue availability percentage

Count

azure.storage.queue.egress.bytes.rate

Rate of egress bytes from the queue

Count

azure.storage.queue.ingress.bytes.rate

Rate of ingress bytes to the queue

Count

azure.storage.queue.server.latency.ms

Latency in milliseconds for server operations on the queue

Count

azure.storage.queue.e2e.latency.ms

End-to-end latency in milliseconds for the queue

Count

azure.storage.queue.transactions

Number of transactions on the queue

Count

azure.storage.queue.capacity.bytes

Capacity in bytes of the queue

Count

azure.storage.queue.messages

Number of messages in the queue

Count

Page Title: azure-service-bus

Azure Service Bus

Overview

â€‹

Azure Service Bus is a cloud-based messaging service provided by Microsoft Azure that enables communication and data exchange between distributed applications and services. It offers a reliable and scalable messaging infrastructure to build decoupled and event-driven architectures, allowing different components of an application to communicate asynchronously.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for Azure Service Bus here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

 on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Metrics

Description

Type

azure.psb.incoming.requests

Incoming Requests for Microsoft.ServiceBus.

Count

azure.psb.successful.requests

Total successful requests for a namespace

Count

azure.psb.throttled.requests

Throttled Requests for Microsoft.ServiceBus.

Count

azure.psb.server.errors

Server Errors for Microsoft.ServiceBus.

Count

azure.psb.user.errors

User Errors for Microsoft.ServiceBus.

Count

azure.psb.incoming.messages

Incoming Messages for Microsoft.ServiceBus.

Count

azure.psb.outgoing.messages

Outgoing Messages for Microsoft.ServiceBus.

Count

azure.psb.active.messages

Count of active messages in a Queue/Topic.

Count

azure.psb.dead.lettered.messages

Count of dead-lettered messages in a Queue/Topic.

Count

azure.psb.messages

Count of messages in a Queue/Topic.

Count

azure.psb.scheduled.messages

Count of scheduled messages in a Queue/Topic.

Count

azure.psb.active.connections

Total Active Connections for Microsoft.ServiceBus.

Count

azure.servicebus

The name of the Azure Service Bus instance.

String

azure.location

The location where the Service Bus instance is deployed.

String

azure.servicebus.creation.time

The creation time of the Service Bus instance.

String

azure.service.resource.group

The resource group of the Service Bus instance.

String

azure.service

The service associated with the Service Bus instance.

String

azure.status

The status of the Azure service.

String

azure.name

The name of the Service Bus.

String

status

The status of the service.

String

azure.service.type

The type of the Azure service.

String

azure.servicebus.creation.time.seconds

The creation time of the Service Bus instance in seconds.

String

azure.servicebus.subscription

The subscription of the Service Bus instance.

String

azure.sku.name

The SKU name of the Service Bus instance.

String

azure.type

The type of the Azure resource.

String

Page Title: azure-services

Microsoft Microsoft Azure Services

Overview

Integrating with Azure Services, Motadata AIOps provides comprehensive monitoring and management capabilities for various Azure services. This integration allows you to gain deep insights into the performance, availability, and health of your Azure services, ensuring optimal operation and enhanced user experience.

With the Azure Services integration, your AIOps product collects real-time metrics from a wide range of Azure services. It covers services such as Azure Virtual Machines, Azure Storage, Azure App Services, Azure Functions, Azure SQL Database, Azure Cosmos DB, Azure Networking, and more.

By monitoring these Azure services, your AIOps product enables you to proactively detect and resolve issues. It helps you identify performance bottlenecks, resource constraints, security threats, and other anomalies that could impact the performance and availability of your applications running on Azure.

Moreover, the integration allows you to set up alerts and notifications based on predefined thresholds or abnormal behavior observed in your Azure services. It ensures that you receive timely notifications for critical events, such as high CPU usage, storage capacity limits, network latency, application errors and more. With proactive alerts, you can take immediate action to mitigate issues and prevent potential disruptions.

Additionally, your AIOps product provides advanced analytics and reporting capabilities for your Azure services. It enables you to gain valuable insights into usage patterns, resource utilization, cost optimization opportunities, and compliance monitoring. By leveraging these insights, you can optimize your Azure deployments, reduce costs, and ensure regulatory compliance.

In summary, integrating with Azure Services empowers your AIOps product to deliver

comprehensive monitoring, management, and optimization capabilities for your Azure environment.

It enables you to ensure the performance, availability, and security of your Azure services, driving

operational excellence and delivering a seamless experience to your users.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for Azure SQL DB here. These are the same for any other Azure service that you need to

monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

 on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

system.tags

The system tags of the Azure service.

String

azure.type

The type of the Azure service.

String

azure.sku.name

The SKU name of the Azure service.

String

azure.location

The location of the Azure service.

String

azure.name

The name of the Azure service.

String

azure.status

The status of the Azure service.

String

azure.service.queue

The Azure service queue.

String

azure.service.queue.active.messages

The count of active messages in the Azure service queue.

Count

azure.service.queue.dead.letter.messages

The count of dead letter messages in the Azure service queue.

Count

azure.service.queue.status

The status of the Azure service queue.

String

azure.service.queue.transferred.dead.letter.messages

The count of transferred dead letter messages in the Azure service queue.

Count

azure.service.queue.transferred.messages

The count of transferred messages in the Azure service queue.

Count

azure.service.queue.messages

The count of messages in the Azure service queue.

Count

azure.service.queue.max.deliveries

The maximum number of deliveries for messages in the Azure service queue.

String

azure.service.queue.default.message.ttl

The default message time-to-live (TTL) for the Azure service queue.

Count

azure.service.queue.size.in.bytes

The size in bytes of the Azure service queue.

Count

azure.service.queue.max.in.bytes

The maximum size in bytes for the Azure service queue.

Count

azure.psb.incoming.requests

The total count of incoming requests for cloud metrics.

Count

azure.psb.successful.requests

The total count of successful requests for cloud metrics.

Count

azure.psb.throttled.requests

The total count of throttled requests for cloud metrics.

Count

azure.psb.server.errors

The total count of server errors for cloud metrics.

Count

azure.psb.user.errors

The total count of user errors for cloud metrics.

Count

azure.psb.incoming.messages

The total count of incoming messages for cloud metrics.

Count

azure.psb.outgoing.messages

The total count of outgoing messages for cloud metrics.

Count

azure.psb.active.messages

The average count of active messages for cloud metrics.

Count

azure.psb.dead.lettered.messages

The average count of dead-lettered messages for cloud metrics.

Count

azure.psb.messages

The average count of messages for cloud metrics.

Count

azure.psb.scheduled.messages

The average count of scheduled messages for cloud metrics.

Count

azure.psb.completed.messages

The average count of completed messages for cloud metrics.

Count

azure.psb.abandoned.messages

The average count of abandoned messages for cloud metrics.

Count

azure.psb.bytes

The average size in bytes for cloud metrics.

Bytes

azure.psb.active.connections

The total count of active connections for cloud metrics.

Count

azure.psb.opened.connections

The total count of opened connections for cloud metrics.

Count

azure.psb.closed.connections

The total count of closed connections for cloud metrics.

Count

event.timestamp

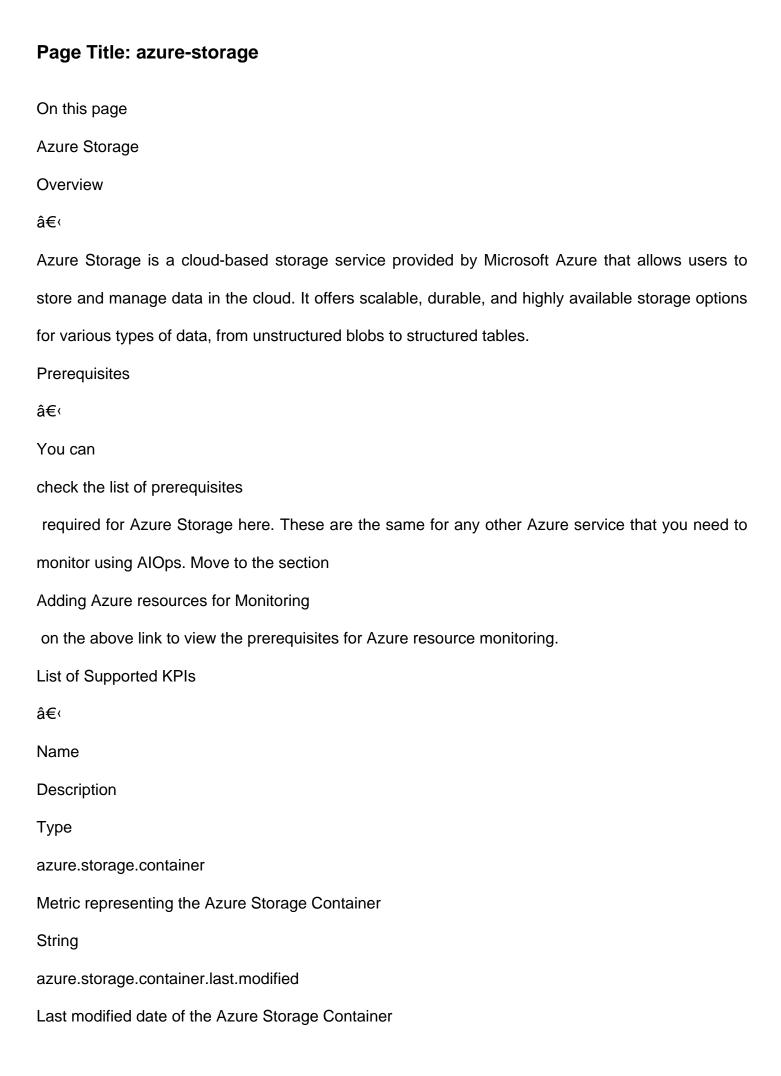The count of event timestamps.

Count

Page Title: azure-sql-db

On this page

Microsoft Azure SQL Database

Overview

â€‹

Microsoft Azure SQL Database is a fully-managed, cloud-based relational database service provided by Microsoft Azure. It is built on the Microsoft SQL Server database engine and offers a scalable and high-performance solution for hosting SQL databases in the Azure cloud environment.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for Azure SQL DB here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

 on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

azure.sql.database.server

Server of the SQL Database

String

azure.sql.database.elastic.pool.name

Elastic Pool Name of the SQL Database

String

azure.sql.database.creation.time.seconds

Creation Time in seconds for the SQL Database

Count

azure.status

Status of the SQL Database

String

azure.sql.database.storage.size.bytes

Storage Size in bytes for the SQL Database

Count

azure.location

Location of the SQL Database

String

status

Status of the SQL Database

String

azure.sql.database.failover.group.id

FailOver Group ID of the SQL Database

String

azure.sql.database.earliest.restore.date

Earliest Restore Date of the SQL Database

String

azure.sql.database.creation.time

Creation Time for the SQL Database

String

azure.sql.database.server.fqdn

Server FQDN of the SQL Database

String

azure.sql.database.id

ID of the SQL Database

String

azure.sql.database.replication.links

Replication Links of the SQL Database

Count

azure.sql.database.resource.group

Resource Group of the SQL Database

String

azure.sql.database

SQL Database

String

azure.sql.database.cpu.percent

Average CPU usage percentage of the SQL Database

Percent

azure.sql.database.data.io.percent

Average percentage of physical data read for the SQL Database

Percent

azure.sql.database.log.io.percent

Average percentage of log write for the SQL Database

Percent

azure.sql.database.successful.connections

Total count of successful connections to the SQL Database

Count

azure.sql.database.failed.connections

Total count of failed connections to the SQL Database

Count

azure.sql.database.firewall.blocked.connections

Total count of connections blocked by the firewall for the SQL Database

Count

azure.sql.database.deadlocks

Total count of deadlocks encountered in the SQL Database

Count

azure.sql.database.in.memory.oltp.storage.used.percent

Average percentage of storage used for in-memory OLTP in the SQL Database

Percent

azure.sql.database.worker.utilization.percent

Average percentage of worker utilization in the SQL Database

Percent

azure.sql.database.session.utilization.percent

Average percentage of session utilization in the SQL Database

Percent

event.timestamp

Timestamp of the event

Count

azure.sql.database.data.storage.allocated.bytes

Average allocated data storage in bytes for the SQL Database

Bytes

azure.sql.database.data.storage.used.bytes

Average used data storage in bytes for the SQL Database

Bytes

azure.sql.database.data.storage.used.percent

Average percentage of used data storage for the SQL Database

Percent

azure.sql.database.dtu.limit

Average DTU limit for the SQL Database

Count

azure.sql.database.dtu.utilization.percent

Average DTU utilization percentage for the SQL Database

Percent

azure.sql.database.used.dtu

Average used DTU for the SQL Database

Count

Page Title: azure-storage

On this page

Azure Storage

Overview

â€‹

Azure Storage is a cloud-based storage service provided by Microsoft Azure that allows users to store and manage data in the cloud. It offers scalable, durable, and highly available storage options for various types of data, from unstructured blobs to structured tables.

Prerequisites

â€‹

You can

check the list of prerequisites

required for Azure Storage here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

azure.storage.container

Metric representing the Azure Storage Container

String

azure.storage.container.last.modified

Last modified date of the Azure Storage Container

String

azure.storage.container.etag

Etag (entity tag) of the Azure Storage Container

String

azure.storage.container.lease.state

Lease state of the Azure Storage Container

String

azure.storage.container.lease.status

Lease status of the Azure Storage Container

String

azure.storage.container.public.access.level

Public access level of the Azure Storage Container

String

system.tags

Tags associated with the storage system

String

azure.storage.queues

Number of storage queues

Count

azure.storage.containers

Number of storage containers

Count

azure.storage.tables

Number of storage tables

Count

azure.storage.fileshares

Number of storage file shares

Count

azure.storage.file.availability.percent
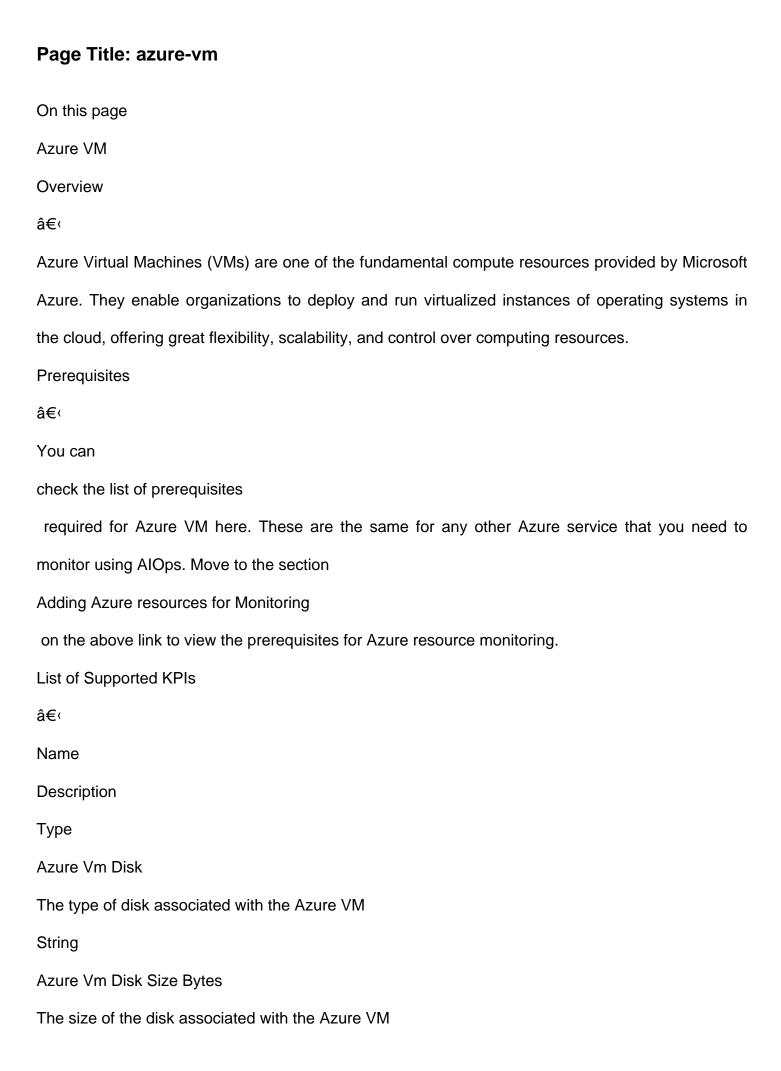
File availability percentage

Count

azure.storage.file.egress.bytes.rate

Rate of egress bytes from the file

Count

azure.storage.file.ingress.bytes.rate

Rate of ingress bytes to the file

Count

azure.storage.file.server.latency.ms

Latency in milliseconds for server operations on file

Count

azure.storage.file.e2e.latency.ms

End-to-end latency in milliseconds for the file

Count

azure.storage.file.transactions

Number of transactions on the file

Count

azure.storage.fileshares

Number of file shares

Count

azure.storage.files

Number of files

Count

azure.storage.file.capacity.bytes

Capacity in bytes of the file

Count

azure.storage.ingress.bytes.rate

Rate of ingress bytes to the storage

Count

azure.storage.egress.bytes.rate

Rate of egress bytes from the storage

Count

azure.storage.transactions

Number of transactions on the storage

Count

azure.storage.request.latency.ms

Latency in milliseconds for storage requests

Count

azure.storage.availability.percent

Storage availability percentage

Count

azure.storage.capacity.bytes

Total capacity in bytes of the storage

Count

Page Title: azure-table-storage

Azure Table Storage

Overview

â€‹

Azure Table Storage is a NoSQL database service provided by Microsoft Azure that offers highly-scalable and cost-effective storage for structured data. It allows developers to store and query large amounts of structured data in a key-value format, making it ideal for applications that require fast and flexible data access.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for Azure Storage here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

 on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

azure.storage.table

Azure Storage table

String

azure.storage.table.url

URL of the Azure Storage table

String

azure.storage.table.e2e.latency.ms

End-to-end latency in milliseconds for Azure Storage Table

Count

azure.storage.table.ingress.bytes

Bytes of data ingress to Azure Storage Table

Count

azure.storage.table.egress.bytes

Bytes of data egress from Azure Storage Table

Count

azure.storage.table.server.success.latency.ms

Latency in milliseconds for successful server operations on Azure Storage Table

Count

azure.storage.table.transactions

Number of transactions on Azure Storage Table

Count

azure.storage.table.capacity.bytes

Capacity in bytes of Azure Storage Table

Count

azure.storage.tables

Number of Azure Storage Tables

Count

azure.storage.table.entities

Number of entities in Azure Storage Table

Count

Page Title: azure-vm

On this page

Azure VM

Overview

â€‹

Azure Virtual Machines (VMs) are one of the fundamental compute resources provided by Microsoft Azure. They enable organizations to deploy and run virtualized instances of operating systems in the cloud, offering great flexibility, scalability, and control over computing resources.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for Azure VM here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

 on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

Azure Vm Disk

The type of disk associated with the Azure VM

String

Azure Vm Disk Size Bytes

The size of the disk associated with the Azure VM

Count

Azure Vm Resource Id

The unique resource ID of the Azure VM

String

Azure Vm Handles

The number of handles used by the Azure VM

Count

Azure Vm OS Type

The operating system type of the Azure VM

String

Azure SKU Name

The name of the Azure SKU associated with the VM

String

Azure VM ASP NET Request Execution Time Ms

The execution time of ASP.NET requests on the VM

Count

System Tags

The system tags associated with the Azure VM

String

Azure Vm Size

The size or configuration of the Azure VM

String

Azure Vm CLR GC Time Percent

The percentage of time spent on CLR GC

Count

Azure Vm Memory Pool Paged Bytes

The number of bytes paged in the memory pool

Count

Azure Vm Publisher

The publisher of the Azure VM

String

Azure Vm ASP NET Rejected Requests

The number of rejected ASP.NET requests on the VM

Count

Azure Vm Disk Idle Time Percent

The percentage of idle time for the disk

Count

Azure Vm ASP NET Application Requests Per Sec

The number of application requests per second

Count

Azure Vm Threads

The number of threads used by the Azure VM

Count

Azure Vm Cache Memory Bytes

The amount of cache memory used by the Azure VM

Count

Azure Vm CLR GEN1 Collections

The number of GEN1 garbage collections performed

Count

Azure Provisioning State

The provisioning state of the Azure VM

String

Azure Vm Computer Name

The computer name of the Azure VM

String

Azure Vm Resource Name

The resource name of the Azure VM

Count

Azure Vm ASP NET Application Errors Per Sec

The number of application errors per second

Count

Azure Vm ASP NET Application Unauthorized Requests

The number of unauthorized requests to the application

Count

Azure Vm Storage URI

The URI of the storage associated with the Azure VM

String

Azure Vm ASP NET Request Wait Time Ms

The wait time of ASP.NET requests on the VM

Count

Azure Vm CLR Marshallings

The number of marshalling operations performed by the CLR

Count

Azure Vm CLR Queue Depth

The depth of the CLR queue

Count

Azure Vm Public IP Address

The public IP address of the Azure VM

String

Azure Vm Disk IO Bytes Per Sec

The number of disk I/O bytes per second

Count

Azure Type

The type of Azure resource

String

Azure Vm Id

The ID of the Azure VM

Count

Azure Vm Network Sent Bytes Per Sec

The number of network bytes sent per second

Count

Azure Vm Memory Committed Bytes

The amount of memory committed by the Azure VM

Count

Azure Vm CLR GEN0 Collections

The number of GEN0 garbage collections performed

Count

Azure Vm ASP NET Running Applications

The number of running ASP.NET applications

Count

Azure Vm ASP NET Application Pipeline Instances

The number of pipeline instances for ASP.NET applications

Count

Azure Vm Memory Page Faults Per Sec

The number of page faults per second in the VM

Count

Azure Vm Private IP Address

The private IP address of the Azure VM

String

Azure Vm Network Sent Bytes Packets Per Sec

The number of network packets sent per second

Count

Azure Vm Network Packets Per Sec

The number of network packets per second

Count

Azure Vm CLR JIT Time Percent

The percentage of time spent on JIT compilation

Percent

Azure Vm ASP NET Application Queued Requests

The number of queued requests for ASP.NET applications

Count

Azure Vm Network Traffic Bytes Rate

The rate of network traffic in bytes per second

Count

Azure Status

The status of the Azure resource

String

Azure Location

The location of the Azure resource

String

Azure Vm Disk IO Read Time Percent

The percentage of time spent on disk I/O read operations

Percent

Azure Vm CLR GEN2 Collections

The number of GEN2 garbage collections performed

Count

Azure Vm Memory Pool Non Paged Bytes

The size of the non-paged memory pool in the VM

Count

Azure Vm Network Received Bytes Per Sec

The number of network bytes received per second by the VM

Count

Azure Vm Network Received Packets Per Sec

The number of network packets received per second by the VM

Count

Azure Vm Context Switched Per Sec

The number of context switches performed per second

Count

Azure Vm Memory Free Bytes

The amount of free memory available in the Azure VM

Count

Azure Vm Processor Queue Length

The length of the processor queue in the VM

Count

Azure Vm Network Errors

The number of network errors encountered by the VM

Count

Azure Vm ASP NET Application Active Requests

The number of active requests in the ASP.NET application

Count

Status

The status of the resource

String

Azure Vm OS Disk

The number of OS disks attached to the VM

Count

Azure Vm Storage Name

The name of the storage associated with the VM

String

Azure Vm CLR Heap Bytes

The size of CLR heap memory in use by the VM

Count

Azure Vm CLR Remote Calls Per Sec

The number of CLR remote calls made per second

Count

Azure Vm Swap Memory Free Bytes

The amount of free swap memory available in the VM

Count

Azure Vm Memory Page Reads Per Sec

The number of memory page reads per second in the VM

Count

Azure Vm Memory Page Writes Per Sec

The number of memory page writes per second in the VM

Count

Azure Vm Memory Free Percent

The percentage of free memory available in the VM

Count

Azure Vm Swap Memory Free percent

The percentage of free swap memory available in the VM

Count

Azure Vm Memory Used Percent

The percentage of memory used in the Azure VM

Count

Azure Vm Swap Memory Used Percent

The percentage of swap memory used in the Azure VM

Count

Azure Vm Memory Used Bytes

The amount of memory used in the Azure VM

Count

Azure Vm Memory Pages Per Sec

The number of memory pages accessed per second in the VM

Count

Azure Vm Swap Memory Used Bytes

The amount of swap memory used in the Azure VM

Count

Azure Vm Network Received Packets Rate

The rate of network packets received by the VM

Count

Azure Vm Network Sent Packets Rate

The rate of network packets sent by the VM

Count

Azure Vm Network Received Bytes Rate

The rate of network bytes received by the VM

Count

Azure Vm Network Sent Bytes Rate

The rate of network bytes sent by the VM

Count

Azure Vm CPU Percent

The percentage of CPU usage in the Azure VM

Percent

Azure Vm Network In Bytes Per Sec

The number of incoming network bytes per second

Count

Azure Vm Network Out Bytes Rate

The number of outgoing network bytes per second

Count

Azure Vm Disk IO Read Bytes

The number of disk IO read bytes in the VM

Count

Azure Vm DISK IO Write Bytes

The number of disk IO write bytes in the VM

Count

Azure Vm Disk IO Operation Reads Per Sec

The rate of disk IO read operations per second in the VM

Count

Azure Vm Disk IO Operation Writes Per Sec

The rate of disk IO write operations per second in the VM

Count

azure.vm.disk.io.read.bytes.per.sec

Average number of bytes read from disk per second on the Azure virtual machine.

Count

azure.vm.disk.io.write.bytes.per.sec

Average number of bytes written to disk per second on the Azure virtual machine.

Count

azure.vm.os.disk.io.cache.read.hit.percent

Percentage of cache read hits for disk I/O operations on the Azure virtual machine.

Percent

azure.vm.os.disk.io.cache.read.miss.percent

Percentage of cache read misses for disk I/O operations on the Azure virtual machine.

Count

azure.vm.os.disk.depth

Number of pending disk I/O requests on the Azure virtual machine.

Count

azure.vm.cpu.remaining.credits

Number of CPU credits remaining for burstable Azure virtual machine instances.

Count

azure.vm.cpu.consumed.credits

Number of CPU credits consumed by the Azure virtual machine instance.

Count

azure.vm.inbound.flows

Number of inbound network flows to the Azure virtual machine.

Count

azure.vm.outbound.flows

Number of outbound network flows from the Azure virtual machine.

Count

event.timestamp

Timestamp of the event occurrence.

Count

Page Title: azure-vm-scaleset

Azure VM Scaleset

Overview

â€‹

Azure Virtual Machine Scale Sets (VMSS) is a feature provided by Microsoft Azure that enables automatic scaling of a group of identical virtual machines. VMSS allows you to deploy and manage a set of virtual machines as a single unit, ensuring high availability and automatically adjusting capacity to meet changes in demand.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for Azure VM Scaleset here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

 on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

azure.location

The location where the Azure virtual machine scale set is deployed.

String

azure.name

The name of the Azure virtual machine scale set.

String

azure.sku.name

The SKU (stock-keeping unit) name of the Azure virtual machine scale set.

String

azure.status

The status of the Azure virtual machine scale set.

String

azure.type

The type of the Azure virtual machine scale set.

String

azure.vmscaleset

The identifier of the Azure virtual machine scale set.

String

azure.vmscaleset.vms

The number of virtual machines in the Azure virtual machine scale set.

Count

system.tags

The number of system tags associated with the Azure virtual machine scale set.

Count

azure.vmscaleset.cpu.consumed.credits

The average number of CPU credits consumed by the virtual machine scale set.

Count

azure.vmscaleset.cpu.remaining.credits

The average number of remaining CPU credits for the virtual machine scale set.

Count

azure.vmscaleset.data.disk.percent

The average percentage of data disk bandwidth consumed by the virtual machine scale set.

Percent

azure.vmscaleset.data.disk.io.percent

The average percentage of data disk IOPS (input/output operations per second) consumed by the virtual machine scale set.

Percent

azure.vmscaleset.disk.queue.length

The average queue depth of the OS disk for the virtual machine scale set.

Count

azure.vmscaleset.disk.read.bytes.per.sec

The average number of bytes read from the OS disk per second for the virtual machine scale set.

BytesPerSecond

azure.vmscaleset.disk.read.ops.per.sec

The average number of read operations per second for the OS disk in the virtual machine scale set.

CountPerSecond

azure.vmscaleset.disk.write.bytes.per.sec

The average number of bytes written to the OS disk per second for the virtual machine scale set.

BytesPerSecond

azure.vmscaleset.disk.write.ops.per.sec

The average number of write operations per second for the OS disk in the virtual machine scale set.

CountPerSecond

azure.vmscaleset.inbound.flows

The average number of inbound flows for the virtual machine scale set.

Count

azure.vmscaleset.maximum.inbound.flows.per.sec

The average maximum creation rate of inbound flows per second for the virtual machine scale set.

CountPerSecond

azure.vmscaleset.outbound.flows

The average number of outbound flows for the virtual machine scale set.

Count

azure.vmscaleset.maximum.outbound.flows.per.sec

The average maximum creation rate of outbound flows per second for the virtual machine scale set.

CountPerSecond

azure.vmscaleset.network.in.bytes.rate

The total rate of incoming network traffic for the virtual machine scale set.

Bytes

azure.vmscaleset.network.out.bytes.rate

The total rate of outgoing network traffic for the virtual machine scale set.

Bytes

azure.vmscaleset.cpu.percent

The average percentage of CPU utilization for the virtual machine scale set.

Percent

azure.vmscaleset.data.disk.io.cache.read.hit.percent

The average percentage of cache read hits for the premium data disk in the virtual machine scale set.

Percent

azure.vmscaleset.data.disk.io.cache.read.miss.percent

The average percentage of cache read misses for the premium data disk in the virtual machine scale set.

Percent

azure.vmscaleset.disk.io.cache.read.hit.percent

The average percentage of cache read hits for the premium OS disk in the virtual machine scale set.

Percent

azure.vmscaleset.disk.io.cache.read.miss.percent

The average percentage of cache read misses for the premium OS disk in the virtual machine scale set.

Percent

event.timestamp

The timestamp of the event.

Count

Page Title: azure-webapp-service

On this page

Azure Web App Service

Overview

â€‹

Azure Web App Service is a fully-managed platform-as-a-service (PaaS) offering provided by Microsoft Azure. It enables developers to build, deploy, and scale web applications without worrying about the underlying infrastructure. Azure Web App Service supports a variety of programming languages, frameworks, and tools, making it a versatile choice for hosting web applications in the Azure cloud environment.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for Azure Application Gateway here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

 on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Name

Description

Type

azure.location

Location of the webapp

String

azure.name

Name of the webapp

String

azure.provisioning.state

Provisioning state of the webapp

String

azure.webapp

Name of the webapp

String

status

Status of the webapp

String

system.tags

Tags of the webapp

String

azure.webapp.config.workers

Number of configured workers

Count

azure.webapp.configured.target.workers

Number of configured target workers

Count

azure.webapp.default.host

Default host of the webapp

String

azure.webapp.resource.group

Resource group of the webapp

String

azure.webapp.sites

Sites of the webapp

String

azure.webapp.configured.webjobs

Number of configured web jobs

Count

azure.webapp.disk.queue.length

The length of the disk queue.

Count

azure.webapp.http.queue.length

The length of the HTTP queue.

Count

azure.webapp.memory.percentage

The percentage of memory used by the web app.

Percent

azure.webapp.avg.response.time

The average response time of the web app.

Seconds

azure.webapp.avg.memory.bytes

The average amount of memory used by the web app in bytes.

Bytes

azure.webapp.app.domains

The total number of application domains.

Count

azure.webapp.unloaded.app.domains

The total number of unloaded application domains.

Count

azure.webapp.threads.count

The total number of threads.

Count

azure.webapp.queued.requests

The number of requests in the application queue.

Count

azure.webapp.requests.rate

The total number of requests.

Count

azure.webapp.private.memory.bytes

The amount of private memory used by the web app in bytes.

Bytes

azure.webapp.memory.bytes

The amount of memory used by the web app in bytes. This includes shared and private memory usage.

Bytes

azure.webapp.received.bytes.rate

Average rate of bytes received

Bytes

azure.webapp.sent.bytes.rate

Average rate of bytes sent

Bytes

azure.webapp.connections

Average number of connections

Count

azure.webapp.cpu.time.seconds

Average CPU time in seconds

Seconds

azure.webapp.current.assemblies

Average number of current assemblies

Count

azure.webapp.gen0.garbage.collections

Average number of Gen 0 garbage collections

Count

azure.webapp.gen1.garbage.collections

Average number of Gen 1 garbage collections

Count

azure.webapp.gen2.garbage.collections

Average number of Gen 2 garbage collections

Count

azure.webapp.handles

Average number of handles

Count

azure.webapp.http101.requests

Total number of HTTP 101 requests

Count

azure.webapp.http2xx.requests

Total number of HTTP 2xx requests

Count

azure.webapp.http3xx.requests

Total number of HTTP 3xx requests

Count

azure.webapp.http401.requests

Total number of HTTP 401 requests

Count

azure.webapp.http403.requests

Total number of HTTP 403 requests

Count

azure.webapp.http404.requests

Total count of HTTP 404 requests

Count

azure.webapp.http406.requests

Total count of HTTP 406 requests

Count

azure.webapp.http4xx.requests

Total count of HTTP 4xx requests

Count

azure.webapp.http5xx.requests

Total count of HTTP 5xx requests

Count

azure.webapp.io.other.bytes.per.sec

Total bytes per second of IO operations other than read/write

BytesPerSecond

azure.webapp.io.other.ops.per.sec

Total number of IO operations other than read/write per second

BytesPerSecond

azure.webapp.io.read.bytes.per.sec

Total bytes per second of read IO operations

BytesPerSecond

azure.webapp.io.read.ops.per.sec

Total number of read IO operations per second

BytesPerSecond

azure.webapp.io.write.bytes.per.sec

Total bytes per second of write IO operations

BytesPerSecond

azure.webapp.io.write.ops.per.sec

Total number of write IO operations per second

BytesPerSecond

azure.webapp.health.check.status

Average count of health check status

Count

event.timestamp

Count of event timestamps

Count

Page Title: barracuda-networks-firewall

On this page

Barracude Networks

Overview

â€‹

Barracuda Networks Firewall, the robust and advanced firewall solutions by Barracuda Networks, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and security of their Barracuda Networks Firewalls. Monitor critical firewall metrics such as traffic patterns, connection status, and threat activity to ensure a secure and protected network environment.

Motadata AIOps empowers businesses to proactively detect potential security breaches, troubleshoot firewall issues, and optimize Barracuda Networks Firewall configurations for improved protection. Receive instant alerts for suspicious activities, intrusion attempts, or policy violations, allowing prompt action to mitigate potential threats.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.
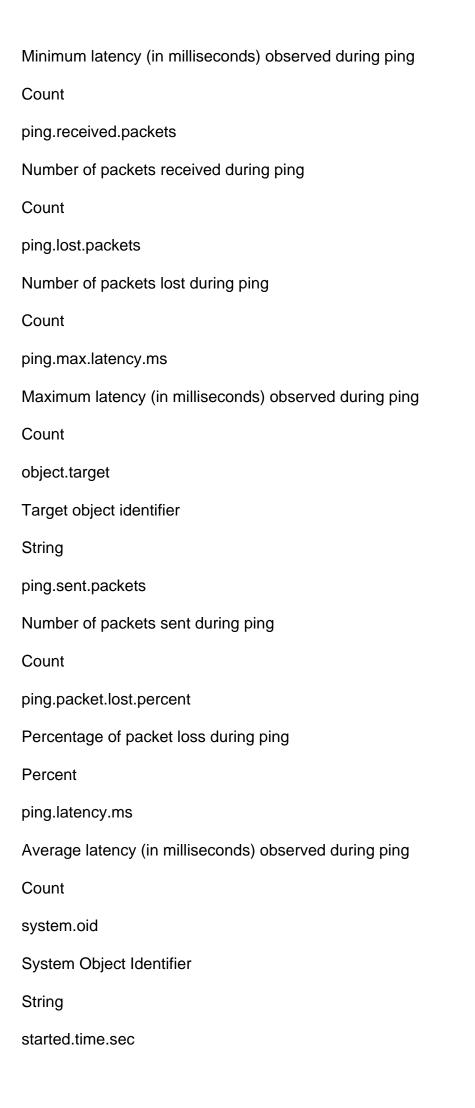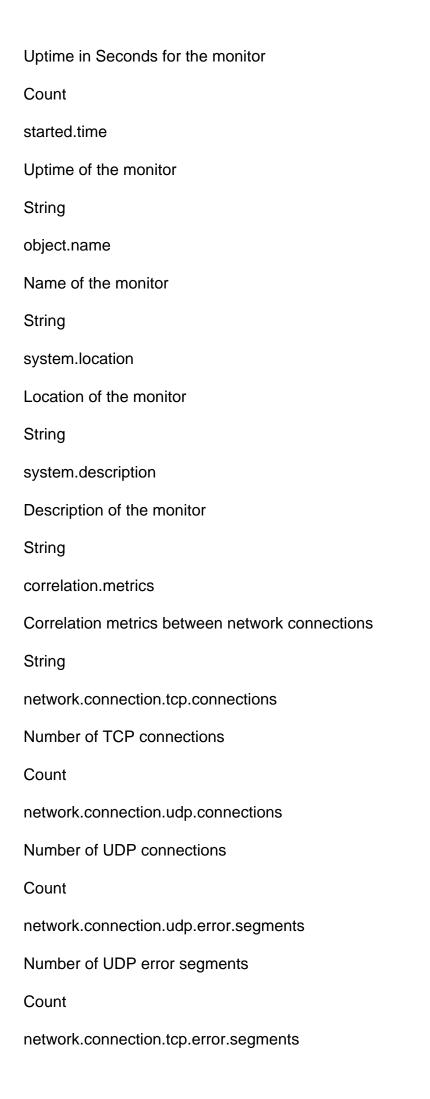
List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.cpu.percent

The percentage of CPU utilization on the SNMP device.

Percentage

system.memory.used.percent

The percentage of used memory on the SNMP device.

Percentage

system.serial.no

The serial number of the SNMP device.

String

system.operational.mode

The operational mode of the SNMP device.

String

temperature.sensor.reading.celsius

The temperature reading from the temperature sensor in Celsius.

Temperature (Celsius)

system.fan.speed

The speed of the fan in the SNMP device.

Count (Fan Speed)

system.waiting.messages

The number of messages waiting in the system queue.

Count

system.processed.messages

The number of messages processed by the system.

Count

system.deferred.messages

The number of messages deferred by the system.

Count

system.notification.queued.messages

The number of notification messages queued in the system.

Count

vpn.tunnel.count

The total count of VPN tunnels on the SNMP device.

Count

vpn.tunnel.status

The status of the VPN tunnels (e.g., active, down, disabled) on the SNMP device.

String (VPN Status)

tunnel.life.time.sec

The lifetime duration of the tunnel in seconds.

Count

tunnel.active.time.sec

The time duration that the tunnel has been active in seconds.

Count

tunnel

The identifier or name of the tunnel.

String

tunnel.source.ip.address

The source IP address of the tunnel.

String

tunnel.out.traffic.bytes.rate

The rate of outgoing traffic in bytes per second through the tunnel.

Count

tunnel.in.traffic.bytes.rate

The rate of incoming traffic in bytes per second through the tunnel.

Count

tunnel.destination.ip.address

The destination IP address of the tunnel.

String

tunnel.name

The name or label assigned to the tunnel.

String

tunnel.status

The current status of the tunnel.

String

remote.vpn.active.connections

The number of active VPN connections from remote clients.

Count

remote.vpn.client.in.traffic.bytes.rate

The incoming traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.out.traffic.bytes.rate

The outgoing traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.protocol

The communication protocol used by the VPN client.

String

remote.vpn.client.encryption.algorithm

The encryption algorithm used by the VPN client.

String

remote.vpn.client

The identifier or name of the remote VPN client.

String

remote.vpn.client.duration.sec

The duration of the VPN client connection in seconds.

Count

remote.vpn.client.app.version

The version of the VPN client application.

String

remote.vpn.client.duration

The duration of the VPN client connection.

String

remote.vpn.client.status

The status of the VPN client connection.

String

remote.vpn.user.group

The user group associated with the remote VPN client.

String

remote.vpn.client.app

The application name of the remote VPN client.

String

Page Title: bind9

Bind 9

Overview

â€‹

Bind 9, the widely used domain name system (DNS) software, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their DNS infrastructure. Monitor crucial DNS metrics such as query rates, response times, and zone transfer status to ensure efficient and reliable domain name resolution.

Versions

9

Prerequisites for BIND 9 Integration with Motadata AIOps

â€‹

Ensure that the BIND 9 port (default: 8080) is open for the Motadata AIOps server.

Confirm that the BIND 9 process and service are listed in the process and monitor settings of Motadata AIOps. While these may be listed by default, ensure that the names of the service and process match the specific BIND 9 version that you intend to monitor.

Ensure that either HTTP or HTTPS are supported on the BIND 9 server.

Provide the necessary credentials, including the username and password, for Motadata AIOps to connect to the BIND 9 server.

Confirm that the BIND 9 service is active and running on the server.

For agentless monitoring, ensure that the user has the required access for remote access to the BIND 9 server. For agent-based monitoring, this is not required.

By following these prerequisites, you can integrate BIND 9 with Motadata AIOps and ensure the smooth functioning of the monitoring process.

List of Supported KPIs

‹

Bind 9

‹

Name

Description

Type

system.tags

The system tags for the Bind9 metric.

String

bind9.version

The version of Bind9.

String

bind9.opcode.outgoing.requests.rate

The rate of outgoing requests for Bind9 opcode.

Count

bind9.opcode.incoming.requests.rate

The rate of incoming requests for Bind9 opcode.

Count

bind9.opcode.status.requests

The count of status requests for Bind9 opcode.

Count

bind9.opcode.reserved3.requests

The count of reserved3 requests for Bind9 opcode.

Count

bind9.opcode.notify.requests

The count of notify requests for Bind9 opcode.

Count

bind9.opcode.update.requests

The count of update requests for Bind9 opcode.

Count

bind9.opcode.reserved6.requests

The count of reserved6 requests for Bind9 opcode.

Count

bind9.opcode.reserved7.requests

The count of reserved7 requests for Bind9 opcode.

Count

bind9.opcode.reserved8.requests

The count of reserved8 requests for Bind9 opcode.

Count

bind9.opcode.reserved9.requests

The count of reserved9 requests for Bind9 opcode.

Count

bind9.opcode.reserved10.requests

The count of reserved10 requests for Bind9 opcode.

Count

bind9.opcode.reserved11.requests

The count of reserved11 requests for Bind9 opcode.

Count

bind9.opcode.reserved12.requests

The count of reserved12 requests for Bind9 opcode.

Count

bind9.opcode.reserved13.requests

The count of reserved13 requests for Bind9 opcode.

Count

bind9.opcode.reserved14.requests

The count of reserved14 requests for Bind9 opcode.

Count

bind9.opcode.reserved15.requests

The count of reserved15 requests for Bind9 opcode.

Count

bind9.zonestat.ipv4.sent.notifications

The count of sent IPv4 notifications for Bind9 zonestat.

Count

bind9.zonestat.ipv6.sent.notifications

The count of sent IPv6 notifications for Bind9 zonestat.

Count

bind9.zonestat.ipv4.received.notifications

The count of received IPv4 notifications for Bind9 zonestat.

Count

bind9.zonestat.ipv6.received.notifications

The count of received IPv6 notifications for Bind9 zonestat.

Count

bind9.zonestat.rejected.notifications

The count of rejected notifications for Bind9 zonestat.

Count

bind9.zonestat.sent.soa.ipv4.queries

The count of sent IPv4 SOA queries for Bind9 zonestat.

Count

bind9.zonestat.sent.soa.ipv6.queries

The count of sent IPv6 SOA queries for Bind9 zonestat.

Count

bind9.zonestat.ipv4.axfr.requests

The count of IPv4 AXFR requests for Bind9 zonestat.

Count

bind9.zonestat.ipv6.axfr.requests

The count of IPv6 AXFR requests for Bind9 zonestat.

Count

bind9.zonestat.ipv4.ixfr.requests

The count of IPv4 IXFR requests for Bind9 zonestat.

Count

bind9.zonestat.ipv6.ixfr.requests

The count of IPv6 IXFR requests for Bind9 zonestat.

Count

bind9.zonestat.successful.transfers

The count of successful transfers for Bind9 zonestat.

Count

bind9.zonestat.failed.transfers

The count of failed transfers for Bind9 zonestat.

Count

bind9.sockstat.udp4.opens

Number of UDPv4 sockets opened in Bind9

Count

bind9.sockstat.udp6.opens

Number of UDPv6 sockets opened in Bind9

Count

bind9.sockstat.tcp4.opens

Number of TCPv4 sockets opened in Bind9

Count

bind9.sockstat.tcp6.opens

Number of TCPv6 sockets opened in Bind9

Count

bind9.sockstat.unix.opens

Number of Unix sockets opened in Bind9

Count

bind9.sockstat.raw.opens

Number of raw sockets opened in Bind9

Count

bind9.sockstat.udp4.open.fails

Number of failed UDPv4 socket opens in Bind9

Count

bind9.sockstat.udp6.open.fails

Number of failed UDPv6 socket opens in Bind9

Count

bind9.sockstat.tcp4.open.fails

Number of failed TCPv4 socket opens in Bind9

Count

bind9.sockstat.tcp6.open.fails

Number of failed TCPv6 socket opens in Bind9

Count

bind9.sockstat.unix.failed.opens

Number of failed Unix socket opens in Bind9

Count

bind9.sockstat.failed.sockets

Number of failed socket opens in Bind9

Count

bind9.sockstat.udp4.closes

Number of UDPv4 sockets closed in Bind9

Count

bind9.sockstat.udp6.closes

Number of UDPv6 sockets closed in Bind9

Count

bind9.sockstat.tcp4.closes

Number of TCPv4 sockets closed in Bind9

Count

bind9.sockstat.tcp6.closes

Number of TCPv6 sockets closed in Bind9

Count

bind9.sockstat.unix.closes

Number of Unix sockets closed in Bind9

Count

bind9.sockstat.fd.closes

Number of closed file descriptors in Bind9

Count

bind9.sockstat.closed.raw.sockets

Number of closed raw sockets in Bind9

Count

bind9.sockstat.udp4.bind.fails

Number of failed UDPv4 socket binds in Bind9

Count

bind9.sockstat.udp6.bind.fails

Number of failed UDPv6 socket binds in Bind9

Count

bind9.sockstat.tcp4.bind.fails

Number of failed TCPv4 socket binds in Bind9

Count

bind9.sockstat.tcp6.bind.fails

Number of failed TCPv6 socket binds in Bind9

Count

bind9.sockstat.unix.bind.fails

Number of failed Unix socket binds in Bind9

Count

bind9.sockstat.bind.fd.fails

Number of failed file descriptor binds in Bind9

Count

bind9.sockstat.udp4.failed.connects

Number of failed UDPv4 socket connects in Bind9

Count

bind9.sockstat.udp6.failed.connects

Number of failed UDPv6 socket connects in Bind9

Count

bind9.sockstat.tcp4.connection.fails

Number of failed TCPv4 connections in Bind9

Count

bind9.sockstat.tcp6.connections.fails

Number of failed TCPv6 connections in Bind9

Count

bind9.sockstat.unix.failed.connects

Number of failed Unix socket connects in Bind9

Count

bind9.sockstat.failed.fd.connections

Number of failed file descriptor connections in Bind9

Count

bind9.sockstat.udp4.connections.rate

Rate of UDPv4 connections in Bind9

Count

bind9.sockstat.udp6.connections.rate

Rate of UDPv6 connections in Bind9

Count

bind9.sockstat.tcp4.connections.rate

Rate of TCPv4 connections in Bind9

Count

bind9.sockstat.successful.tcp6.connections

Number of successful TCPv6 connections in Bind9

Count

bind9.sockstat.unix.connects

Number of Unix socket connections in Bind9

Count

bind9.sockstat.successful.fd.connections

Number of successful file descriptor connections in Bind9

Count

bind9.sockstat.tcp4.accept.fails

Number of failed TCPv4 accepts in Bind9

Count

bind9.sockstat.tcp6.accept.fails

Number of failed TCPv6 accepts in Bind9

Count

bind9.sockstat.unix.connection.failed.accepts

Number of failed Unix connection accepts in Bind9

Count

bind9.sockstat.tcp4.accepted.connections

Number of accepted TCPv4 connections in Bind9

Count

bind9.sockstat.tcp6.accepts

Number of TCPv6 accepts in Bind9

Count

bind9.sockstat.unix.connection.accepts

Number of Unix connection accepts in Bind9

Count

bind9.sockstat.udp4.send.errors

Number of UDPv4 send errors in Bind9

Count

bind9.sockstat.udp6.send.errors

Number of UDPv6 send errors in Bind9

Count

bind9.sockstat.tcp4.send.errors

Number of TCPv4 send errors in Bind9

Count

bind9.sockstat.tcp6.send.errors

Number of TCPv6 send errors in Bind9

Count

bind9.sockstat.unix.send.errors

Number of Unix send errors in Bind9

Count

bind9.sockstat.sent.errors

Number of sent errors in Bind9

Count

bind9.sockstat.udp4.receive.errors

Number of UDPv4 receive errors in Bind9

Count

bind9.sockstat.udp6.receive.errors

Number of UDPv6 receive errors in Bind9

Count

bind9.sockstat.tcp4.receive.errors

Number of TCPv4 receive errors in Bind9

Count

bind9.sockstat.tcp6.receive.errors

Number of TCPv6 receive errors in Bind9

Count

bind9.sockstat.unix.receive.errors

Number of Unix receive errors in Bind9

Count

bind9.sockstat.received.fd.errors

Number of received file descriptor errors in Bind9

Count

bind9.sockstat.received.errors

Number of received errors in Bind9

Count

bind9.sockstat.udp4.active.connections

Number of active UDPv4 connections in Bind9

Count

bind9.sockstat.udp6.active.connections

Number of active UDPv6 connections in Bind9

Count

bind9.sockstat.tcp4.active.connections

Number of active TCPv4 connections in Bind9

Count

bind9.sockstat.tcp6.active.connections

Number of active TCPv6 connections in Bind9

Count

bind9.sockstat.unix.active.connections

Number of active Unix connections in Bind9

Count

bind9.sockstat.raw.active.connections

Number of active raw connections in Bind9

Count

bind9.nsstat.ipv4.requests

Number of IPv4 requests in Bind9

Count

bind9.nsstat.ipv6.requests

Number of IPv6 requests in Bind9

Count

bind9.nsstat.received.edns0.requests

Number of received EDNS0 requests in Bind9

Count

bind9.nsstat.bad.edns.requests

Number of bad EDNS requests in Bind9

Count

bind9.nsstat.tsig.requests

Number of TSIG requests in Bind9

Count

bind9.nsstat.received.tsig0.requests

Number of received TSIG0 requests in Bind9

Count

bind9.nsstat.bad.tsig.requests

Number of bad TSIG requests in Bind9

Count

bind9.nsstat.tcp.requests.rate

Rate of TCP requests in Bind9

Count

bind9.nsstat.rejected.auth.queries

Number of rejected authoritative queries in Bind9

Count

bind9.nsstat.rejected.recursive.queries

Number of rejected recursive queries in Bind9

Count

bind9.nsstat.rejected.zone.transfers

Number of rejected zone transfers in Bind9

Count

bind9.nsstat.rejected.updates

Number of rejected updates in Bind9

Count

bind9.nsstat.sent.responses

Number of sent responses in Bind9

Count

bind9.nsstat.sent.truncated.responses

Number of sent truncated responses in Bind9

Count

bind9.nsstat.sent.edns0.responses

Number of sent EDNS0 responses in Bind9

Count

bind9.nsstat.sent.tsig.responses

Number of sent TSIG responses in Bind9

Count

bind9.nsstat.sent.tsig0.responses

Number of sent TSIG0 responses in Bind9

Count

bind9.nsstat.successful.queries

Number of successful queries in Bind9

Count

bind9.nsstat.answered.auth.queries

Number of answered authoritative queries in Bind9

Count

bind9.nsstat.noanswered.auth.queries

Number of no answered authoritative queries in Bind9

Count

bind9.nsstat.referral.answered.queries

Number of answered referral queries in Bind9

Count

bind9.nsstat.empty.queries

Number of empty queries in Bind9

Count

bind9.nsstat.failed.served.queries

Number of failed served queries in Bind9

Count

bind9.nsstat.former.queries

Number of former queries in Bind9

Count

bind9.nsstat.domain.nx.queries

Number of domain NX queries in Bind9

Count

bind9.nsstat.recursive.queries

Number of recursive queries in Bind9

Count

bind9.nsstat.duplicate.queries

Number of duplicate queries in Bind9

Count

bind9.nsstat.dropped.queries

Number of dropped queries in Bind9

Count

bind9.nsstat.failed.queries

Number of failed queries in Bind9

Count

bind9.nsstat.completed.zone.transfers

Number of completed zone transfers in Bind9

Count

bind9.nsstat.request.forward.updates

Number of forward update requests in Bind9

Count

bind9.nsstat.forward.response.updates

Number of forward response updates in Bind9

Count

bind9.nsstat.forward.failed.updates

Number of failed forward updates in Bind9

Count

Bind9 Nsstat Updates

Number of updates made by Bind9

Count

Bind9 Nsstat Failed Updates

Number of failed updates in Bind9

Count

Bind9 Nsstat Bad Prerequisite Updates

Number of updates with bad prerequisites in Bind9

Count

Bind9 Nsstat Recursive Clients

Number of recursive clients in Bind9

Count

Bind9 Nsstat Dns64

Number of Dns64 operations in Bind9

Count

Bind9 Nsstat Rate Drops

Rate of dropped queries in Bind9

Count

Bind9 Nsstat Rate Slips

Rate of slipped queries in Bind9

Count

Bind9 Nsstat Policy Zone Rewrite Responses

Number of responses for policy zone rewriting in Bind9

Count

Bind9 Nsstat Udp Queries Rate

Rate of UDP queries in Bind9

Count

Bind9 Nsstat Tcp Queries Rate

Rate of TCP queries in Bind9

Count

Bind9 Nsstat Nsid Options

Number of NSID options used in Bind9

Count

Bind9 Nsstat Expired Options

Number of expired options in Bind9

Count

Bind9 Nsstat Other Options

Number of other options in Bind9

Count

Bind9 Nsstat Sit Bad Size

Number of SIT queries with bad size in Bind9

Count

Bind9 Nsstat Sit Bad Time

Number of SIT queries with bad time in Bind9

Count

Bind9 Nsstat Sit Matches

Number of SIT queries that matched in Bind9

Count

Bind9 Nsstat Sit New Requests

Number of new SIT queries made in Bind9

Count

Bind9 Nsstat Sit Nomatches

Number of SIT queries with no matches in Bind9

Count

Bind9 Nsstat Sit Options

Number of SIT queries with options in Bind9

Count

Bind9 Nsstat Redirect Nx Queries

Number of redirected NX queries in Bind9

Count

Bind9 Nsstat Redirect Rlookup Nx Queries

Number of redirected reverse lookup NX queries in Bind9

Count

Page Title: brocade-communications-switch

On this page

Brocade Communications

Overview

â€‹

Brocade Communication Systems Switch, the reliable and high-performance network switch solutions by Brocade (now part of Broadcom Inc.), seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Brocade Communication Systems Switches. Monitor critical network switch metrics such as port utilization, link status, and traffic patterns to ensure smooth and efficient network operation.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

sensor

Sensor information

String

sensor.type

Type of the sensor

String

sensor.status

Status of the sensor

String

sensor.value

Value of the sensor

String

sensor.info

Additional information about the sensor

String

system.cpu.percent

CPU usage percentage

Percentage

system.memory.used.percent

Memory usage percentage

Percentage

system.serial.no

System serial number

String

system.firmware.version

System firmware version

String

system.operational.status

Operational status of the system

String

system.admin.status

Administrative status of the system

String

system.ha.status

High availability status of the system

String

system.sensor.count

Number of sensors in the system

Count

vlan.name

The name of the VLAN.

String

vlan.status

The status of the VLAN.

String

vlan

The VLAN identifier.

String

vlan.ports

The list of ports associated with the VLAN.

String

vlan.port

The specific port associated with the VLAN.

String

Page Title: cayman-ups

On this page

Cayman

Overview

â€‹

Cayman UPS, the reliable and high-performance uninterruptible power supply solutions by Cayman Systems, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Cayman UPS devices. Monitor critical UPS metrics such as battery status, load levels, and input/output voltage to ensure continuous and reliable power protection.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

ups.load

The load on the UPS.

Count

ups.charge

The charge level of the UPS battery.

Percentage

ups.input.line.voltage

The input line voltage supplied to the UPS.

Voltage

ups.output.line.voltage

The output line voltage delivered by the UPS.

Voltage

ups.output.current

The output current provided by the UPS.

Current

ups.sensor.status

The status of the UPS sensor.

String

ups.sensor.communications.status

The status of UPS sensor communications.

String

ups.battery.last.replace.date

The date of the last UPS battery replacement.

Date

ups.last.self.test.date

The date of the last UPS self-test.

Date

ups.battery.status

The status of the UPS battery.

String

ups.battery.temperature

The temperature of the UPS battery.

Temperature

ups.battery.replace

The status of UPS battery replacement.

String

ups.input.voltage

The input voltage supplied to the UPS.

Voltage

ups.external.batteries.infected

The count of infected external batteries connected to the UPS.

Count

ups.comm.status

The communication status of the UPS.

String

ups.reason.for.last.transfer

The reason for the last transfer of UPS power source.

String

ups.battery.runtime.remain

The remaining runtime of the UPS battery.

Time

ups.output.voltage

The output voltage delivered by the UPS.

Voltage

ups.input.source

The input source of the UPS.

String

ups.time.remaining

The remaining time of UPS battery backup.

Time

ups.battery.current

The current flowing through the UPS battery.

Current

ups.backup.time.remaining

The remaining backup time of the UPS battery.

Time

ups.output.load

The load connected to the UPS output.

Load

ups.temperature

The temperature of the UPS.

Temperature

ups.battery.power.consumed

The power consumed by the UPS battery.

Count

ups.number.transients

The count of voltage transients experienced by the UPS.

Count

ups.battery.voltage

The voltage of the UPS battery.

Voltage

ups.battery.remaining

The remaining capacity of the UPS battery.

Percentage

ups.battery.positive.voltage

The positive voltage of the UPS battery.

Voltage

ups.battery.negative.voltage

The negative voltage of the UPS battery.

Voltage

ups.battery.installed

Indicates whether a battery is installed in the UPS.

String

ups.battery.sys.shutdown.duration

The duration of the UPS battery system shutdown.

Time

ups.inverter.state

The state of the UPS inverter.

String

ups.basic.battery.time.on.battery

The basic battery time on battery power.

Time

ups.last.self.test.result

The result of the last UPS self-test.

String

ups.output.status

The status of the UPS output.

String

ups.input.frequency

The input frequency supplied to the UPS.

Frequency

ups.output.power

The power output of the UPS.

Power

Page Title: checkpoint-firewall

On this page

Check Point

Overview

â€‹

Checkpoint Firewall, the robust and feature-rich firewall solutions by Checkpoint Software Technologies, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and security of their Checkpoint Firewalls. Monitor critical firewall metrics such as traffic patterns, connection status, and threat activity to ensure a secure and protected network environment.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

Name

Description

Type

-----

fan.sensor

The sensor status of the fan on the SNMP device.

String

fan.sensor.rpm

The RPM (Revolutions Per Minute) reading of the fan on the SNMP device.

Count (RPM)

fan.sensor.status

The status of the fan sensor (e.g., Normal, Warning, Error) on the SNMP device.

String (Sensor Status)

temperature.sensor

The status of the temperature sensor on the SNMP device.

String

temperature.sensor.reading.celsius

The temperature reading from the temperature sensor in Celsius on the SNMP device.

Temperature (Celsius)

temperature.sensor.status

The status of the temperature sensor (e.g., Normal, Warning, Error) on the SNMP device.

String (Sensor Status)

voltage.sensor

The status of the voltage sensor on the SNMP device.

String

voltage.sensor.reading.mill.volts

The voltage reading from the voltage sensor in millivolts on the SNMP device.

Voltage (Millivolts)

voltage.sensor.status

The status of the voltage sensor (e.g., Normal, Warning, Error) on the SNMP device.

String (Sensor Status)

power.supply.sensor

The status of the power supply sensor on the SNMP device.

String

power.supply.sensor.status

The status of the power supply sensor (e.g., Normal, Warning, Error) on the SNMP device.

String (Sensor Status)

system.cpu.percent

The percentage of CPU utilization on the SNMP device.

Percentage

system.memory.used.percent

The percentage of used memory on the SNMP device.

Percentage

system.memory.installed.bytes

The total installed memory in bytes on the SNMP device.

Count (Bytes)

system.memory.free.bytes

The amount of free memory in bytes on the SNMP device.

Count (Bytes)

system.memory.used.bytes

The amount of used memory in bytes on the SNMP device.

Count (Bytes)

system.serial.no

The serial number of the SNMP device.

String

system.product.name

The product name of the SNMP device.

String

checkpoint.connections

The total number of connections on the SNMP device.

Count

checkpoint.connections.rate

The rate of connections on the SNMP device.

Count (Rate)

checkpoint.accepted.packets

The total number of accepted packets on the SNMP device.

Count

checkpoint.rejected.packets

The total number of rejected packets on the SNMP device.

Count

checkpoint.dropped.packets

The total number of dropped packets on the SNMP device.

Count

checkpoint.logged.packets

The total number of logged packets on the SNMP device.

Count

tunnel.life.time.sec

The lifetime duration of the tunnel in seconds.

Count

tunnel.active.time.sec

The time duration that the tunnel has been active in seconds.

Count

tunnel

The identifier or name of the tunnel.

String

tunnel.source.ip.address

The source IP address of the tunnel.

String

tunnel.out.traffic.bytes.rate

The rate of outgoing traffic in bytes per second through the tunnel.

Count

tunnel.in.traffic.bytes.rate

The rate of incoming traffic in bytes per second through the tunnel.

Count

tunnel.destination.ip.address

The destination IP address of the tunnel.

String

tunnel.name

The name or label assigned to the tunnel.

String

tunnel.status

The current status of the tunnel.

String

remote.vpn.active.connections

The number of active VPN connections from remote clients.

Count

remote.vpn.client.in.traffic.bytes.rate

The incoming traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.out.traffic.bytes.rate

The outgoing traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.protocol

The communication protocol used by the VPN client.

String

remote.vpn.client.encryption.algorithm

The encryption algorithm used by the VPN client.

String

remote.vpn.client

The identifier or name of the remote VPN client.

String

remote.vpn.client.duration.sec

The duration of the VPN client connection in seconds.

Count

remote.vpn.client.app.version

The version of the VPN client application.

String

remote.vpn.client.duration

The duration of the VPN client connection.

String

remote.vpn.client.status

The status of the VPN client connection.

String

remote.vpn.user.group

The user group associated with the remote VPN client.

String

remote.vpn.client.app

The application name of the remote VPN client.

String

Page Title: cisco-firewall

On this page

Cisco Firewall

Overview

â€‹

Cisco Systems Firewall, the powerful and versatile firewall solutions by Cisco Systems, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and security of their Cisco Systems Firewalls. Monitor critical firewall metrics such as traffic patterns, connection status, and threat activity to ensure a secure and protected network environment.

Prerequisites

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Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

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Metrics	Description	Type
ping.min.latency.ms	Minimum latency (in milliseconds) observed during ping	Count
ping.received.packets	Number of packets received during ping	Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

cisco.asa.active.remote.connections.rate

The rate of active remote connections on the Cisco ASA firewall.

Count (Rate)

cisco.asa.active.remote.user.sessions.rate

The rate of active remote user sessions on the Cisco ASA firewall.

Count (Rate)

cisco.asa.active.remote.group.sessions

The number of active remote group sessions on the Cisco ASA firewall.
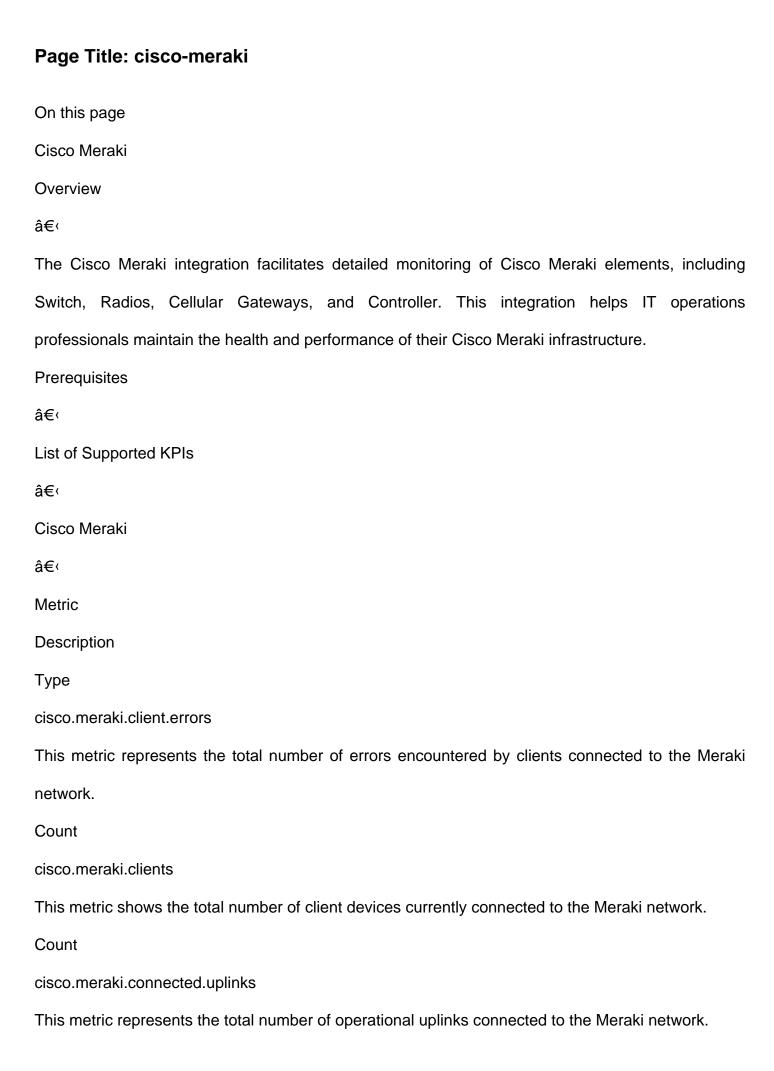
Count

cisco.asa.remote.in.packets.rate

The rate of incoming packets on the Cisco ASA firewall.

Count (Rate)

cisco.asa.remote.out.packets.rate

The rate of outgoing packets on the Cisco ASA firewall.

Count (Rate)

cisco.asa.remote.received.dropped.packets

The number of received packets that were dropped on the Cisco ASA firewall.

Count

cisco.asa.remote.sent.dropped.packets

The number of sent packets that were dropped on the Cisco ASA firewall.

Count

cisco.asa.active.ipsec.sessions

The number of active IPsec sessions on the Cisco ASA firewall.

Count

cisco.asa.active.lan.sessions

The number of active LAN sessions on the Cisco ASA firewall.

Count

cisco.asa.active.load.balancer.sessions

The number of active load balancer sessions on the Cisco ASA firewall.

Count

cisco.asa.active.svc.sessions

The number of active service (SVC) sessions on the Cisco ASA firewall.

Count

cisco.asa.active.web.vpn.sessions

The number of active web VPN sessions on the Cisco ASA firewall.

Count

tunnel.life.time.sec

The lifetime duration of the tunnel in seconds.

Count

tunnel.active.time.sec

The time duration that the tunnel has been active in seconds.

Count

tunnel

The identifier or name of the tunnel.

String

tunnel.source.ip.address

The source IP address of the tunnel.

String

tunnel.out.traffic.bytes.rate

The rate of outgoing traffic in bytes per second through the tunnel.

Count

tunnel.in.traffic.bytes.rate

The rate of incoming traffic in bytes per second through the tunnel.

Count

tunnel.destination.ip.address

The destination IP address of the tunnel.

String

tunnel.name

The name or label assigned to the tunnel.

String

tunnel.status

The current status of the tunnel.

String

remote.vpn.active.connections

The number of active VPN connections from remote clients.

Count

remote.vpn.client.in.traffic.bytes.rate

The incoming traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.out.traffic.bytes.rate

The outgoing traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.protocol

The communication protocol used by the VPN client.

String

remote.vpn.client.encryption.algorithm

The encryption algorithm used by the VPN client.

String

remote.vpn.client

The identifier or name of the remote VPN client.

String

remote.vpn.client.duration.sec

The duration of the VPN client connection in seconds.

Count

remote.vpn.client.app.version

The version of the VPN client application.

String

remote.vpn.client.duration

The duration of the VPN client connection.

String

remote.vpn.client.status

The status of the VPN client connection.

String

remote.vpn.user.group

The user group associated with the remote VPN client.

String

remote.vpn.client.app

The application name of the remote VPN client.

String

ipsla.name

The name of the IP SLA (Service Level Agreement) test.

String

ipsla.latency.ms

The latency value in milliseconds for the IP SLA test.

Count

ipsla

The identifier or name of the IP SLA configuration.

String

ipsla.status

The status of the IP SLA test (e.g., active, inactive).

String

ipsla.type

The type or category of the IP SLA test.

String

ipsla.availability

The availability status of the IP SLA test.

String

Page Title: cisco-meraki

On this page

Cisco Meraki

Overview

â€‹

The Cisco Meraki integration facilitates detailed monitoring of Cisco Meraki elements, including Switch, Radios, Cellular Gateways, and Controller. This integration helps IT operations professionals maintain the health and performance of their Cisco Meraki infrastructure.

Prerequisites

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List of Supported KPIs

â€‹

Cisco Meraki

â€‹

Metric

Description

Type

cisco.meraki.client.errors

This metric represents the total number of errors encountered by clients connected to the Meraki network.

Count

cisco.meraki.clients

This metric shows the total number of client devices currently connected to the Meraki network.

Count

cisco.meraki.connected.uplinks

This metric represents the total number of operational uplinks connected to the Meraki network.

Count

cisco.meraki.disconnected.uplinks

This metric indicates the total number of non-functional/ disconnected uplinks on the Meraki network.

Count

cisco.meraki.licenses

This shows the total number of licenses across all the networks on the infrastructure.

Count

cisco.meraki.networks

This metric represents the total number of networks connected.

Count

cisco.meraki.offline.devices

This metric indicates the number of offline Meraki devices.

Count

cisco.meraki.online.devices

This metric represents the number of online Meraki devices.

Count

cisco.meraki.server.errors

This metric shows the total number of errors enncountered by the servers.

Count

Cisco Meraki Channel

â€‹

Metric

Description

Type

cisco.meraki.channel

This metric shows the list of channels available on the Meraki network.

String

cisco.meraki.channel.wifi.utilization.percent

This metric represents the utilzation percentage of WiFi channels.

Count

cisco.meraki.channel.non.wifi.utilization.percent

This metric indicates the utilization percentage of non WiFi channels.

Count

Cisco Meraki Client

â€‹

Metric

Description

Type

cisco.meraki.client

This metric shows all Meraki clients connected to the network.

String

cisco.meraki.client.status

This metric displays the status of Meraki client.

String

cisco.meraki.client.mac.address

This metric represents MAC address of Meraki client.

String

cisco.meraki.client.ip.address

This metric indicates IP address of Meraki client.

String

cisco.meraki.client.user

This metric shows all the users connected to the Meraki client.

String

cisco.meraki.client.manufacturer

This metric displays the manufacturer of a Meraki client.

String

cisco.meraki.client.os

This metric indicates the operating system of Meraki client.

String

cisco.meraki.client.ssid

This metric displays SSID of Meraki client.

String

cisco.meraki.client.vlans

This metric indicates the number of VLANs associated with the Meraki client.

Count

cisco.meraki.client.sent.bytes.per.sec

This metric represents bytes sent per second from a Meraki client.

Count

cisco.meraki.client.received.bytes.per.sec

This metric shows the bytes received per second on a Meraki client.

Count

cisco.meraki.client.ipv6.address

This metric indicates IPv6 address of the Meraki client.

String

cisco.meraki.client.description

This metric displays the configured description of Meraki client.

String

cisco.meraki.client.first.seen

This metric indicates the time when the Meraki client was first seen on the network.

String

cisco.meraki.client.last.seen

This metric indicates the time when the Meraki client was last seen.

String

cisco.meraki.client.switch.port

This metric represent the information regarding the switch port of Meraki client.

String

cisco.meraki.client.vlan.name

This metric displays the names of all VLAN associated with the Meraki client.

String

cisco.meraki.client.device.connection

This metric represents connections associated with Meraki client.

String

Cisco Meraki Interface

â€‹

Metric

Description

Type

cisco.meraki.interface

This metric displays list of all interfaces.

String

cisco.meraki.interface.status

This metric represents the status of the Interface.

String

cisco.meraki.interface.ip.address

This metric shows the IP address of the Interface.

String

cisco.meraki.interface.gateway

This metric displays the gateway details of the Interface.

String

cisco.meraki.interface.public.ip.address

This metric shows the public IP address for an Interface.

String

cisco.meraki.interface.network

This metric shows the network(s) associated with the Interface.

String

cisco.meraki.interface.sent.bytes.per.sec

This metric displays the volume of bytes sent per second from the Interface.

Count

cisco.meraki.interface.received.bytes.per.sec

This metric displays the volume of bytes received per second on the Interface.

Count

Cisco Meraki Network

â€‹

Name

Description

Type

cisco.meraki.network

This metric represents all networks connected to the Meraki infrastructure.

String

cisco.meraki.network.devices

This metric displays total number of devices connected to Meraki network.

Count

cisco.meraki.network.offline.devices

This metric shows total number of offline devices on the Meraki network.

Count

cisco.meraki.network.online.devices

This metric displays the total number of online devices on the Meraki network.

Count

cisco.meraki.network.dormant.devices

This metris indicates the total number of dormant devices on the Meraki network.

Count

cisco.meraki.network.alert.devices

This metric displays the total number of alerts on all devices connected to the network.

Count

cisco.meraki.network.clients

This metric indicates the total number of clients present on the network.

Count

cisco.meraki.network.heavy.usage.clients

This metric displays the total number of clients having high usage on the network.

Count

Cisco Meraki Radio

â€‹

Name

Description

Type

cisco.meraki.radio.status

This metric displays the status of Meraki Radio.

String

cisco.meraki.radio.bands

This metric shows the number of bands available on Meraki Radio.

Count

cisco.meraki.radio.network.id

This metric represents the network ID of Meraki Radio.

String

cisco.meraki.radio.mac.address

This metric indicates the MAC address of Meraki Radio.

String

cisco.meraki.radio.model

This metric displays the model of Meraki Radio.

String

cisco.meraki.radio.public.ip.address

This metric indicates the public IP address of Meraki Radio.

String

cisco.meraki.radio.upload.data.bytes.per.sec

This metric displays the volume of upload data in bytes per second.

Count

cisco.meraki.radio.download.data.bytes.per.sec

This metric displays the volume of download data in bytes per second.

Count

cisco.meraki.radio.average.data.bytes.per.sec

This metric displays the average volume of data transfer in bytes per second.

Count

cisco.meraki.radio.clients

This metric displays the total number of clients associated with Meraki Radio.

Count

Cisco Meraki Security

â€‹

Name

Description

Type

cisco.meraki.security.status

This metric displays the status of Meraki Security.

String

cisco.meraki.security.performance.score

This metric represents performance score of Meraki Security.

Count

cisco.meraki.security.power.supply.slots

This metric indicates the number of power supply slots.

Count

cisco.meraki.security.uplinks

This metric displays the number for uplinks.

Count

cisco.meraki.security.mac.address

This metric displays the MAC address.

String

cisco.meraki.security.public.ip.address

This metric indicates the Public IP address.

String

cisco.meraki.security.network.id

This metric shows the network ID.

String

cisco.meraki.security.model

This metric displays the model information of Meraki Security.

String

cisco.meraki.security.power.supply

This metric indicates the information regarding the power supply slot.

String

cisco.meraki.security.power.supply.status

This metric displays the power supply status.

String

cisco.meraki.security.power.supply.usage.watts

This metric reprsents the power supply usage in watts.

Count

cisco.meraki.security.power.supply.serial.no

This metric shows the power supply serial number.

Count

cisco.meraki.security.power.supply.model

This metric will display the model of power supply.

Count

Cisco Meraki SSID

â€‹

Name

Description

Type

cisco.meraki.ssid

This metric displays the unique SSID.

String

cisco.meraki.ssid.name

This metric shows the name associated with a SSID.

String

cisco.meraki.ssid.enabled

This metric displays all the enabled SSIDs.

String

cisco.meraki.ssid.advertised

This metric shows all the SSIDs that are being currently advertised.

String

cisco.meraki.ssid.bands

This metric displays bands of Meraki SSID.

Count

cisco.meraki.ssid.channels

This metric indicates the channels associated with SSID(s).

Count

cisco.meraki.ssid.channel.width.hz

This metric diplays the channel width in hertz.

Count

cisco.meraki.ssid.power.dbm

This metric shows the current power transmission range.

Count

Cisco Meraki Subnet

â€‹

Name

Description

Type

cisco.meraki.subnet

This metric displays the configured subnet.

String

cisco.meraki.subnet.vlan.id

This metric shows the unique VLAN identifier.

String

cisco.meraki.subnet.used

This metric indicates the subnets that are being used currently.

Count

cisco.meraki.subnet.free

This metric displays unused subnets.

Count

Cisco Meraki Switch

â€‹

Name

Description

Type

cisco.meraki.switch.status

This metric displays the current status of Meraki Switch.

String

cisco.meraki.switch.uplinks

This metric shows the total number of uplinks of Meraki Switch.

Count

cisco.meraki.switch.ports

This metric indicates the total number of ports available on Meraki Switch.

Count

cisco.meraki.switch.power.supply.slots

This metric indicates the total number of power supply slots.

Count

cisco.meraki.switch.network.id

This metric indicates the unique network identifier of Meraki Switch on the network.

String

cisco.meraki.switch.mac.address

This metric displays the MAC address of Meraki Switch.

String

cisco.meraki.switch.public.ip.address

This metric displays the public IP address of Meraki Switch.

String

cisco.meraki.switch.model

This metric shows the model name of Meraki Switch.

String

cisco.meraki.switch.power.supply

Power Supply

String

cisco.meraki.switch.power.supply.status

This metric displays the current status of power supply.

String

cisco.meraki.switch.power.supply.usage.watts

This metric shows the current usage of power supply in watts.

Count

cisco.meraki.switch.power.supply.serial.no

This metric indicates the serial number of the power supply unit.

String

cisco.meraki.switch.power.supply.model

This metric display model name of the power supply

String

Cisco Meraki VLAN

â€‹

Name

Description

Type

cisco.meraki.vlan

This metric displays the VLAN ID.

String

cisco.meraki.vlan.name

This specifies the configured name of the VLAN.

String

cisco.meraki.vlan.interface

VLAN Interface

String

cisco.meraki.vlan.status

This shows the operational status of the VLAN.

String

Cisco Meraki Ethernet

â€‹

Name

Description

Type

cisco.meraki.ethernet

This metric displays the ethernet name.

String

cisco.meraki.ethernet.speed.bytes.per.sec

This metric displays the bytes per second speed supported by Ethernet.

Count

cisco.meraki.ethernet.duplex

This metric indicates the duplex mode of Ethernet.

String

cisco.meraki.ethernet.poe.standard

This metric displays the PoE standard of Meraki Ethernet.

String

Cisco Meraki STP

â€‹

Name

Description

Type

cisco.meraki.stp

This metric stores the STP port ID.

String

cisco.meraki.stp.state

This metric displays the current state of STP.

String

cisco.meraki.stp.status

This metric indicates the current status of the STP.

String

cisco.meraki.stp.type

This metric displays the type of STP configured.

String

cisco.meraki.stp.vlan

This metric displays the total number of VLANs.

Count

cisco.meraki.stp.voice.vlans

This metric indicates the total number of voice VLANs.

Count

cisco.meraki.stp.enabled

This metric displays all STPs that are currently enabled.

String

cisco.meraki.stp.uplinked

This metric displays STPs in the uplink state.

String

cisco.meraki.stp.speed.bytes.per.sec

This metric displays the bytes per second speed.

Count

cisco.meraki.stp.duplex

This metric displays the type of duplex configuration.

String

cisco.meraki.stp.used.bytes.per.sec

This metric shows the volume of used bytes per second.

Count

cisco.meraki.stp.sent.bytes.per.sec

This metric shows the volume of send bytes per second.

Count

cisco.meraki.stp.received.bytes.per.sec

This metric shows the volume of received bytes per second.

Count

cisco.meraki.stp.poe.allocated

This metric displays PoE allocated STP.

String

cisco.meraki.stp.clients

This metric displays the total count of clients associated with STP.

Count

cisco.meraki.stp.power.usage.watts

This metric shows the power usage in watts.

Count

cisco.meraki.stp.traffic.bytes.per.sec

This metric indicate the volume of total traffic in bytes per second.

Count

cisco.meraki.stp.in.traffic.bytes.per.sec

This metric displays the volume of incoming traffic in bytes per second.

Count

cisco.meraki.stp.out.traffic.bytes.per.sec

This metric shows the volume of outgoing traffic in bytes per second.

Count

Cisco Meraki VPN

â€‹

Name

Description

Type

cisco.meraki.vpn

VPN in the Cisco Meraki network

String

cisco.meraki.vpn.network.name

Name of the VPN network

String

cisco.meraki.vpn.network.id

ID of the VPN network

String

cisco.meraki.vpn.peer.network.name

Name of the peer VPN network

String

cisco.meraki.vpn.peer.network.id

ID of the peer VPN network

String

cisco.meraki.vpn.sender.uplink

Uplink of the VPN sender

String

cisco.meraki.vpn.receiver.uplink

Uplink of the VPN receiver

String

cisco.meraki.vpn.average.latency.ms

Average latency of the VPN in milliseconds

Count

cisco.meraki.vpn.loss.percent

Packet loss percentage of the VPN

Count

cisco.meraki.vpn.average.jitter.ms

Average jitter of the VPN in milliseconds

Count

cisco.meraki.vpn.average.mos

Average Mean Opinion Score (MOS) of the VPN

Count

cisco.meraki.vpn.received.bytes.per.sec

Bytes received per second on the VPN

Count

cisco.meraki.vpn.sent.bytes.per.sec

Bytes sent per second on the VPN

Count

Page Title: cisco-router

On this page

Cisco Router

Overview

â€‹

Cisco Router, the widely used and versatile router solutions by Cisco Systems, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Cisco Routers. Monitor critical router metrics such as interface utilization, routing table status, and packet forwarding to ensure smooth and efficient network routing.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.cpu.percent

CPU usage percentage

Percentage

system.5min.avg.cpu.percent

5-minute average CPU usage percentage

Percentage

system.1min.avg.cpu.percent

1-minute average CPU usage percentage

Percentage

system.15min.avg.cpu.load.percent

15-minute average CPU load percentage

Percentage

system.1min.avg.cpu.load.percent

1-minute average CPU load percentage

Percentage

system.5min.avg.cpu.load.percent

5-minute average CPU load percentage

Percentage

system.memory.used.percent

Memory usage percentage

Percentage

system.memory.used.bytes

Used memory in bytes

Count

system.memory.available.bytes

Available memory in bytes

Count

system.memory.total.bytes

Total memory in bytes

Count

active.sessions

Active sessions

Count

temperature.sensor

Temperature sensor

String

temperature.sensor.reading.celsius

Temperature sensor reading in Celsius

Count

temperature.sensor.status

Status of the temperature sensor

String

voltage.sensor

Voltage sensor

String

voltage.sensor.reading.mill.volts

Voltage sensor reading in millivolts

Count

voltage.sensor.status

Status of the voltage sensor

String

fan.sensor

The status of the fan sensor.

String

power.supply.sensor

The status of the power supply sensor.

String

chassis.slot

The status of the chassis slot.

String

cisco.small.buffer.misses

The count of small buffer misses on Cisco devices.

Count

cisco.medium.buffer.misses

The count of medium buffer misses on Cisco devices.

Count

cisco.large.buffer.misses

The count of large buffer misses on Cisco devices.

Count

cisco.huge.buffer.misses

The count of huge buffer misses on Cisco devices.

Count

cisco.big.buffer.misses

The count of big buffer misses on Cisco devices.

Count

cisco.verylarge.buffer.misses

The count of very large buffer misses on Cisco devices.

Count

system.description

The description of the system.

String

system.serial.no

The serial number of the system.

String

system.model.no

The model number of the system.

String

cisco.asa.attempted.connections

The count of attempted connections on Cisco ASA devices.

Count

cisco.asa.declined.connections

The count of declined connections on Cisco ASA devices.

Count

cisco.asa.active.connections.rate

The rate of active connections on Cisco ASA devices.

Count/sec

cisco.asa.expired.connections

The count of expired connections on Cisco ASA devices.

Count

cisco.asa.aborted.connections

The count of aborted connections on Cisco ASA devices.

Count

cisco.asa.active.remote.connections.rate

The rate of active remote connections on Cisco ASA devices.

Count/sec

cisco.asa.active.remote.user.sessions.rate

The rate of active remote user sessions on Cisco ASA devices.

Count/sec

cisco.asa.active.remote.group.sessions

The count of active remote group sessions on Cisco ASA devices.

Count

cisco.asa.remote.in.packets.rate

The rate of incoming packets on Cisco ASA devices.

Count/sec

cisco.asa.remote.out.packets.rate

The rate of outgoing packets on Cisco ASA devices.

Count/sec

cisco.asa.remote.received.dropped.packets

The count of received dropped packets on Cisco ASA devices.

Count

cisco.asa.remote.sent.dropped.packets

The count of sent dropped packets on Cisco ASA devices.

Count

cisco.asa.active.ipsec.sessions

The count of active IPsec sessions on Cisco ASA devices.

Count

cisco.asa.active.lan.sessions

The count of active LAN sessions on Cisco ASA devices.

Count

cisco.asa.active.load.balancer.sessions

The count of active load balancer sessions on Cisco ASA devices.

Count

cisco.asa.active.svc.sessions

The count of active SVC (Service Card) sessions on Cisco ASA devices.

Count

cisco.asa.active.web.vpn.sessions

The count of active Web VPN sessions on Cisco ASA devices.

Count

bgp.peer

The BGP peer identifier or name.

String

bgp.peer.remote.as

The remote AS number associated with the BGP peer.

Count

bgp.peer.status

The status of the BGP peer (e.g., up, down).

String

bgp.local.peer.address

The local IP address of the BGP peer.

String

bgp.remote.peer.address

The remote IP address of the BGP peer.

String

bgp.peer.time

The time when the BGP peer was established.

String

bgp.peer.updated.time

The time when the BGP peer status was last updated.

String

isis.neighbour.last.up.time

The last time the ISIS neighbour came up.

String

isis.neighbour.hold.time

The hold time of the ISIS neighbour.

String

isis.neighbour.system.type

The system type of the ISIS neighbour.

String

isis.neighbour.3way.state

The 3-way state of the ISIS neighbour.

String

isis.neighbour.state

The state of the ISIS neighbour.

String

isis.neighbour

The identifier or name of the ISIS neighbour.

String

isis.neighbour.protocol

The protocol used by the ISIS neighbour.

String

ospf.neighbour.remote.as

The remote AS number associated with the OSPF neighbour.

String

ospf.neighbour.status

The status of the OSPF neighbour (e.g., up, down).

String

ospf.neighbour

The identifier or name of the OSPF neighbour.

String

ip.route

The IP route entry.

String

ip.route.subnet.mask

The subnet mask associated with the IP route.

String

ip.route.last.updated.sec

The time in seconds since the IP route was last updated.

Count

ip.route.protocol

The routing protocol associated with the IP route.

String

ip.route.metric

The metric value of the IP route.

String

ip.route.type

The type of IP route (e.g., static, dynamic).

String

ip.route.next.hop

The next-hop IP address for the IP route.

String

ip.route.last.updated

The last time the IP route was updated.

String

ip.routing.type

The type of IP routing (e.g., unicast, multicast).

String

ip.route.interface.index

The index of the network interface associated with the IP route.

Count

ipsla.name

The name of the IP SLA (Service Level Agreement) test.

String

ipsla.latency.ms

The latency value in milliseconds for the IP SLA test.

Count

ipsla

The identifier or name of the IP SLA configuration.

String

ipsla.status

The status of the IP SLA test (e.g., active, inactive).

String

ipsla.type

The type or category of the IP SLA test.

String

ipsla.availability

The availability status of the IP SLA test.

String

vrf

The Virtual Routing and Forwarding (VRF) name.

String

vrf.status

The status of the Virtual Routing and Forwarding.

String

vrf.storage.type

The storage type used for the Virtual Routing and Forwarding configuration.

String

vrf.row.status

The row status of the Virtual Routing and Forwarding entry in the configuration.

String

vrf.distribution.protocol

The distribution protocol used by the Virtual Routing and Forwarding.

String

vrf.tag

The tag associated with the Virtual Routing and Forwarding.

String

vrf.interface

The interface associated with the Virtual Routing and Forwarding.

String

multicast.interface

The name of the multicast interface.

String

multicast.interface.out.packets.rate

The rate of outgoing multicast packets on the interface.

Count

multicast.interface.in.packets.rate

The rate of incoming multicast packets on the interface.

Count

started.time

The timestamp when multicast started.

String

multicast.ip

The IP address used for multicast.

String

multicast.forwarding.entry

The forwarding entry for multicast.

String

started.time.sec

The uptime duration of multicast in seconds.

Count

multicast.upstream.neighbor

The upstream neighbor for multicast.

String

multicast.dropped.packets

The count of dropped multicast packets.

Count

multicast.forwarded.bytes.rate

The rate of forwarded multicast bytes.

Count

multicast.mask.ip

The IP address mask used for multicast.

String

multicast.group.ip

The multicast group IP address.

String

multicast.received.packets.rate

The rate of received multicast packets.

Count

Page Title: cisco-sdwan

On this page

Cisco Catalyst SD-WAN

Overview

â€‹

With Motadata AIOps, you can monitor various aspects of your Cisco Catalyst SD-WAN infrastructure,

including vEdge devices, interfaces, TLOCs, tunnels, vManage, vSmart, vBond, and BGP routes and neighbours.

This integration provides insights into health status, resource utilization, traffic metrics, and control connections, ensuring optimal performance and reliability of your network.

List of Supported KPIs

â€‹

Cisco Catalyst SD-WAN vManage

â€‹

Name

Description

Type

cisco.vmanage.managers

Number of vManage managers

Count

cisco.vmanage.controllers

Number of vManage controllers

Count

cisco.vmanage.validators

Number of vManage validators

Count

cisco.vmanage.wan.edges

Number of WAN edges managed by vManage

Count

cisco.vmanage.tunnels

Number of tunnels managed by vManage

Count

cisco.vmanage.up.tlocs

Number of up TLOCs managed by vManage

Count

cisco.vmanage.down.tlocs

Number of down TLOCs managed by vManage

Count

cisco.vmanage.health.status

Health status of vManage

String

cisco.vmanage.reachability.status

Reachability status of vManage

String

cisco.vmanage.sync.status

Synchronization status of vManage

String

cisco.vmanage.cpus

Number of CPUs in vManage

Count

cisco.vmanage.site.id

Site ID of vManage

String

cisco.vmanage.cpu.percent

CPU usage percentage in vManage

Count

cisco.vmanage.memory.used.percent

Memory usage percentage in vManage

Count

cisco.vmanage.control.connections

Number of control connections in vManage

Count

cisco.vmanage.wan.edge

WAN edge managed by vManage

String

cisco.vmanage.wan.edge.devices

Number of WAN edge devices managed by vManage

Count

cisco.vmanage.control.connection

Control connection in vManage

String

cisco.vmanage.control.connection.peer

Peer of the control connection in vManage

String

cisco.vmanage.control.connection.peer.type

Type of the control connection peer in vManage

String

cisco.vmanage.control.connection.peer.protocol

Protocol of the control connection peer in vManage

String

cisco.vmanage.control.connection.private.port

Private port of the control connection in vManage

Count

cisco.vmanage.control.connection.public.port

Public port of the control connection in vManage

Count

cisco.vmanage.control.connection.last.updated.time

Last updated time of the control connection in vManage

String

Cisco Catalyst SD-WAN vSmart

â€‹

Name

Description

Type

cisco.vsmart.up.tlocs

Number of up TLOCs managed by vSmart

Count

cisco.vsmart.down.tlocs

Number of down TLOCs managed by vSmart

Count

cisco.vsmart.health.status

Health status of vSmart

String

cisco.vsmart.reachability.status

Reachability status of vSmart

String

cisco.vsmart.sync.status

Synchronization status of vSm art

String

cisco.vsmart.cpus

Number of CPUs in vSmart

Count

cisco.vsmart.site.id

Site ID of vSmart

String

cisco.vsmart.cpu.percent

CPU usage percentage in vSmart

Count

cisco.vsmart.memory.used.percent

Memory usage percentage in vSmart

Count

cisco.vsmart.control.connections

Number of control connections in vSmart

Count

cisco.vsmart.control.connection

Control connection in vSmart

String

cisco.vsmart.control.connection.peer.type

Type of the control connection peer in vSmart

String

cisco.vsmart.control.connection.peer

Peer of the control connection in vSmart

String

cisco.vsmart.control.connection.peer.protocol

Protocol of the control connection peer in vSmart

String

cisco.vsmart.control.connection.private.port

Private port of the control connection in vSmart

Count

cisco.vsmart.control.connection.public.port

Public port of the control connection in vSmart

Count

cisco.vsmart.control.connection.last.updated.time

Last updated time of the control connection in vSmart

String

Cisco Catalyst SD-WAN vBond

â€‹

Name

Description

Type

cisco.vbond.up.tlocs

Number of up TLOCs managed by vBond

Count

cisco.vbond.down.tlocs

Number of down TLOCs managed by vBond

Count

cisco.vbond.health.status

Health status of vBond

String

cisco.vbond.reachability.status

Reachability status of vBond

String

cisco.vbond.sync.status

Synchronization status of vBond

String

cisco.vbond.cpus

Number of CPUs in vBond

Count

cisco.vbond.site.id

Site ID of vBond

String

cisco.vbond.cpu.percent

CPU usage percentage in vBond

Count

cisco.vbond.memory.used.percent

Memory usage percentage in vBond

Count

cisco.vbond.control.connections

Number of control connections in vBond

Count

cisco.vbond.control.connection

Control connection in vBond

String

cisco.vbond.control.connection.peer.type

Type of the control connection peer in vBond

String

cisco.vbond.control.connection.peer
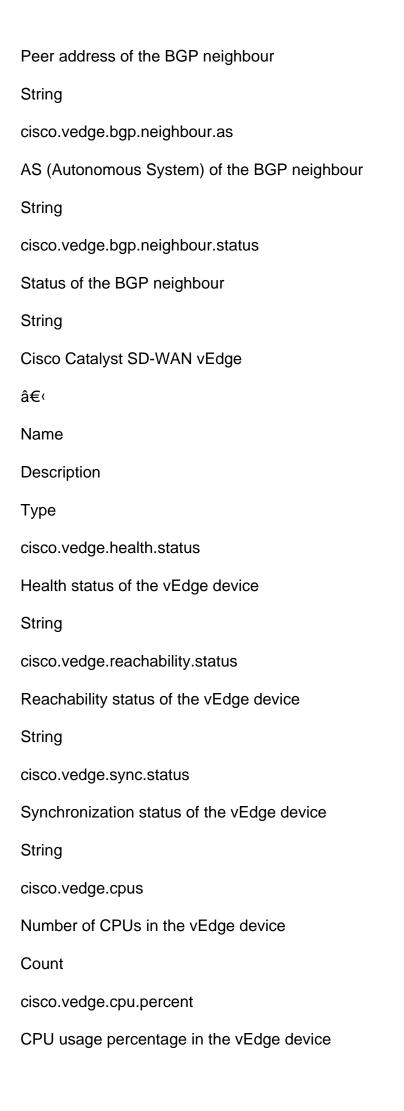
Peer of the control connection in vBond

String

cisco.vbond.control.connection.peer.protocol

Protocol of the control connection peer in vBond

String

cisco.vbond.control.connection.private.port

Private port of the control connection in vBond

Count

cisco.vbond.control.connection.public.port

Public port of the control connection in vBond

Count

cisco.vbond.control.connection.last.updated.time

Last updated time of the control connection in vBond

String

Cisco Catalyst SD-WAN vManage

â€‹

Name

Description

Type

cisco.vmanage.site

Site managed by vManage

String

cisco.vmanage.site.devices

Number of devices at the site managed by vManage

Count

cisco.vmanage.site.tunnels

Number of tunnels at the site managed by vManage

Count

cisco.vmanage.sites

Number of sites managed by vManage

Count

cisco.vmanage.connection

Connection managed by vManage

String

cisco.vmanage.connection.status

Status of the connection managed by vManage

String

cisco.vmanage.connection.connected.sites

Number of connected sites in the connection managed by vManage

Count

Cisco Catalyst SD-WAN vEdge BGP Route

â€‹

Name

Description

Type

cisco.vedge.bgp.route

BGP route on the vEdge device

String

cisco.vedge.bgp.route.vpn

VPN associated with the BGP route

String

cisco.vedge.bgp.route.afi.safi

Address Family Identifier (AFI) and Subsequent Address Family Identifier (SAFI) of the BGP route

String

cisco.vedge.bgp.route.path

Path of the BGP route

String

cisco.vedge.bgp.route.next.hop

Next hop of the BGP route

String

cisco.vedge.bgp.route.weight

Weight of the BGP route

Count

cisco.vedge.bgp.route.as.path

AS path of the BGP route

String

cisco.vedge.bgp.route.path.state

Path state of the BGP route

String

Cisco Catalyst SD-WAN vEdge BGP Neighbour

â€‹

Name

Description

Type

cisco.vedge.bgp.neighbour

BGP neighbour on the vEdge device

String

cisco.vedge.bgp.neighbour.vpn

VPN associated with the BGP neighbour

String

cisco.vedge.bgp.neighbour.peer.address

Peer address of the BGP neighbour

String

cisco.vedge.bgp.neighbour.as

AS (Autonomous System) of the BGP neighbour

String

cisco.vedge.bgp.neighbour.status

Status of the BGP neighbour

String

Cisco Catalyst SD-WAN vEdge

Name

Description

Type

cisco.vedge.health.status

Health status of the vEdge device

String

cisco.vedge.reachability.status

Reachability status of the vEdge device

String

cisco.vedge.sync.status

Synchronization status of the vEdge device

String

cisco.vedge.cpus

Number of CPUs in the vEdge device

Count

cisco.vedge.cpu.percent

CPU usage percentage in the vEdge device

Count

cisco.vedge.memory.used.percent

Memory usage percentage in the vEdge device

Count

cisco.vedge.control.connections

Number of control connections in the vEdge device

Count

cisco.vedge.bfd.up.sessions

Number of BFD (Bidirectional Forwarding Detection) sessions up in the vEdge device

Count

cisco.vedge.bfd.down.sessions

Number of BFD (Bidirectional Forwarding Detection) sessions down in the vEdge device

Count

cisco.vedge.site.id

Site ID of the vEdge device

String

cisco.vedge.site.name

Site name of the vEdge device

String

Cisco Catalyst SD-WAN vEdge Harware Sensor

â€‹

Name

Description

Type

cisco.vedge.hardware.temperature.sensor

Temperature sensor in the vEdge device

String

cisco.vedge.hardware.temperature.sensor.celsius

Temperature in Celsius from the sensor

Count

cisco.vedge.hardware.temperature.sensor.state

State of the temperature sensor

String

cisco.vedge.hardware.voltage.sensor

Voltage sensor in the vEdge device

String

cisco.vedge.hardware.voltage.sensor.milli.volts

Voltage in millivolts from the sensor

Count

cisco.vedge.hardware.voltage.sensor.state

State of the voltage sensor

String

Cisco Catalyst SD-WAN vEdge Interface

â€‹

Name

Description

Type

cisco.vedge.interface

Interface of the vEdge device

String

cisco.vedge.interface.operational.status

Operational status of the interface

String

cisco.vedge.interface.admin.status

Administrative status of the interface

String

cisco.vedge.interface.received.bytes.per.sec

Bytes received per second on the interface

Count

cisco.vedge.interface.received.error.packets

Error packets received on the interface

Count

cisco.vedge.interface.received.discard.packets

Discarded packets received on the interface

Count

cisco.vedge.interface.sent.bytes.per.sec

Bytes sent per second on the interface

Count

cisco.vedge.interface.sent.error.packets

Error packets sent on the interface

Count

cisco.vedge.interface.sent.discard.packets

Discarded packets sent on the interface

Count

cisco.vedge.interface.dropped.bytes

Dropped bytes on the interface

Count

cisco.vedge.interface.dropped.packets

Dropped packets on the interface

Count

cisco.vedge.interface.early.dropped.bytes

Early dropped bytes on the interface

Count

cisco.vedge.interface.early.dropped.packets

Early dropped packets on the interface

Count

cisco.vedge.interface.classified.bytes

Classified bytes on the interface

Count

cisco.vedge.interface.classified.packets

Classified packets on the interface

Count

cisco.vedge.interface.policy.name

Policy name associated with the interface

String

cisco.vedge.interface.output.bytes

Output bytes on the interface

Count

cisco.vedge.interface.description

Description of the interface

String

cisco.vedge.interface.type

Type of the interface

String

cisco.vedge.interface.index

Index of the interface

Count

cisco.vedge.interface.vpn.id

VPN ID of the interface

String

cisco.vedge.interface.subnet.mask

Subnet mask of the interface

String

cisco.vedge.interface.speed.bytes.per.sec

Speed of the interface in bytes per second

Count

cisco.vedge.interface.sent.packets.per.sec

Packets sent per second on the interface

Count

cisco.vedge.interface.received.packets.per.sec

Packets received per second on the interface

Count

cisco.vedge.interface.sent.octets

Octets sent on the interface

Count

cisco.vedge.interface.received.octets

Octets received on the interface

Count

cisco.vedge.interface.classifier.entry.name

Classifier entry name for the interface

String

cisco.vedge.interface.in.packets

Incoming packets on the interface

Count

cisco.vedge.interface.out.packets

Outgoing packets on the interface

Count

status

Status of the interface

String

Cisco Catalyst SD-WAN vEdge TLOC

Name	Description	Type
cisco.vedge.tloc	TLOC (Transport Locator) of the vEdge device	String
cisco.vedge.tloc.latency.ms	Latency of the TLOC in milliseconds	Count
cisco.vedge.tloc.lost.percent	Packet loss percentage of the TLOC	Count
cisco.vedge.tloc.jitter.ms	Jitter of the TLOC in milliseconds	Count
cisco.vedge.tloc.state	State of the TLOC	String
cisco.vedge.tloc.interface.name	Interface name associated with the TLOC	

String

cisco.vedge.tloc.interface.description

Description of the interface associated with the TLOC

String

Cisco Catalyst SD-WAN vEdge Tunnel

â€‹

Name

Description

Type

cisco.vedge.tunnel

Tunnel of the vEdge device

String

cisco.vedge.tunnel.state

State of the tunnel

String

cisco.vedge.tunnel.health

Health of the tunnel

String

cisco.vedge.tunnel.local.color

Local color of the tunnel

String

cisco.vedge.tunnel.local.ip

Local IP address of the tunnel

String

cisco.vedge.tunnel.remote.color

Remote color of the tunnel

String

cisco.vedge.tunnel.remote.ip

Remote IP address of the tunnel

String

cisco.vedge.tunnel.protocol

Protocol used by the tunnel

String

cisco.vedge.tunnel.qoe

Quality of Experience (QoE) of the tunnel

String

cisco.vedge.tunnel.latency.ms

Latency of the tunnel in milliseconds

Count

cisco.vedge.tunnel.lost.percent

Packet loss percentage of the tunnel

Count

cisco.vedge.tunnel.jitter.ms

Jitter of the tunnel in milliseconds

Count

cisco.vedge.tunnel.received.packets

Packets received on the tunnel

Count

cisco.vedge.tunnel.sent.packets

Packets sent on the tunnel

Count

cisco.vedge.tunnel.source.ip

Source IP address of the tunnel

String

cisco.vedge.tunnel.destination.ip

Destination IP address of the tunnel

String

cisco.vedge.tunnel.source.port

Source port of the tunnel

Count

cisco.vedge.tunnel.destination.port

Destination port of the tunnel

Count

cisco.vedge.tunnel.site.id

Site ID of the tunnel

String

cisco.vedge.tunnel.remote.host.name

Remote host name of the tunnel

String

status

Status of the tunnel

String

Page Title: cisco-switch

On this page

Cisco Switch

Overview

â€‹

Cisco Switch, the widely used and versatile network switch solution by Cisco Systems, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Cisco Switches. Monitor critical network switch metrics such as port utilization, link status, and packet errors to ensure smooth and efficient network operation.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.cpu.percent

CPU usage percentage

Percentage

system.5min.avg.cpu.percent

5-minute average CPU usage percentage

Percentage

system.1min.avg.cpu.percent

1-minute average CPU usage percentage

Percentage

system.15min.avg.cpu.load.percent

15-minute average CPU load percentage

Percentage

system.1min.avg.cpu.load.percent

1-minute average CPU load percentage

Percentage

system.5min.avg.cpu.load.percent

5-minute average CPU load percentage

Percentage

system.memory.used.percent

Memory usage percentage

Percentage

system.memory.used.bytes

Used memory in bytes

Count

system.memory.available.bytes

Available memory in bytes

Count

system.memory.total.bytes

Total memory in bytes

Count

active.sessions

Active sessions

Count

temperature.sensor

Temperature sensor

String

temperature.sensor.reading.celsius

Temperature sensor reading in Celsius

Count

temperature.sensor.status

Status of the temperature sensor

String

voltage.sensor

Voltage sensor

String

voltage.sensor.reading.mill.volts

Voltage sensor reading in millivolts

Count

voltage.sensor.status

Status of the voltage sensor

String

fan.sensor

The status of the fan sensor.

String

power.supply.sensor

The status of the power supply sensor.

String

chassis.slot

The status of the chassis slot.

String

cisco.small.buffer.misses

The count of small buffer misses on Cisco devices.

Count

cisco.medium.buffer.misses

The count of medium buffer misses on Cisco devices.

Count

cisco.large.buffer.misses

The count of large buffer misses on Cisco devices.

Count

cisco.huge.buffer.misses

The count of huge buffer misses on Cisco devices.

Count

cisco.big.buffer.misses

The count of big buffer misses on Cisco devices.

Count

cisco.verylarge.buffer.misses

The count of very large buffer misses on Cisco devices.

Count

system.description

The description of the system.

String

system.serial.no

The serial number of the system.

String

system.model.no

The model number of the system.

String

cisco.asa.attempted.connections

The count of attempted connections on Cisco ASA devices.

Count

cisco.asa.declined.connections

The count of declined connections on Cisco ASA devices.

Count

cisco.asa.active.connections.rate

The rate of active connections on Cisco ASA devices.

Count/sec

cisco.asa.expired.connections

The count of expired connections on Cisco ASA devices.

Count

cisco.asa.aborted.connections

The count of aborted connections on Cisco ASA devices.

Count

cisco.asa.active.remote.connections.rate

The rate of active remote connections on Cisco ASA devices.

Count/sec

cisco.asa.active.remote.user.sessions.rate

The rate of active remote user sessions on Cisco ASA devices.

Count/sec

cisco.asa.active.remote.group.sessions

The count of active remote group sessions on Cisco ASA devices.

Count

cisco.asa.remote.in.packets.rate

The rate of incoming packets on Cisco ASA devices.

Count/sec

cisco.asa.remote.out.packets.rate

The rate of outgoing packets on Cisco ASA devices.

Count/sec

cisco.asa.remote.received.dropped.packets

The count of received dropped packets on Cisco ASA devices.

Count

cisco.asa.remote.sent.dropped.packets

The count of sent dropped packets on Cisco ASA devices.

Count

cisco.asa.active.ipsec.sessions

The count of active IPsec sessions on Cisco ASA devices.

Count

cisco.asa.active.lan.sessions

The count of active LAN sessions on Cisco ASA devices.

Count

cisco.asa.active.load.balancer.sessions

The count of active load balancer sessions on Cisco ASA devices.

Count

cisco.asa.active.svc.sessions

The count of active SVC (Service Card) sessions on Cisco ASA devices.

Count

cisco.asa.active.web.vpn.sessions

The count of active Web VPN sessions on Cisco ASA devices.

Count

vlan.name

The name of the VLAN.

String

vlan.status

The status of the VLAN.

String

vlan

The VLAN identifier.

String

vlan.ports

The list of ports associated with the VLAN.

String

vlan.port

The specific port associated with the VLAN.

String

stp.vlans

The VLANs associated with the Spanning Tree Protocol (STP).

String

stp

The Spanning Tree Protocol (STP) status.

String

stp.port

The number of ports participating in the Spanning Tree Protocol.

Count

stp.broken.ports

The number of ports in the STP that are currently broken.

Count

stp.disabled.ports

The number of ports in the STP that are currently disabled.

Count

stp.blocking.ports

The number of ports in the STP that are currently blocking.

Count

stp.learning.ports

The number of ports in the STP that are currently learning.

Count

stp.listening.ports

The number of ports in the STP that are currently listening.

Count

stp.root.forward.delay.sec

The time it takes for the STP to forward packets towards the root.

Count

stp.root.hello.time.sec

The time interval at which the root broadcasts hello packets.

Count

stp.forwarding.ports

The number of ports in the STP that are currently forwarding.

Count

stp.root.max.age.sec

The maximum age of the STP root bridge information.

Count

stp.bridge.transmit.hold.count.sec

The time the bridge transmits its hold count in seconds.

Count

stp.bridge.forward.delay.sec

The delay before forwarding in the bridge.

Count

stp.bridge.hello.time.sec

The time interval at which the bridge sends hello packets.

String

stp.bridge.max.age.sec

The maximum age of the bridge information.

String

stp.root.cost

The cost of reaching the root bridge.

String

stp.topology.change

Indicates if there has been a topology change in the STP.

String

stp.last.topology.change.time

The time of the last topology change in the STP.

String

stp.bridge.priority

The priority of the bridge in the STP.

String

stp.protocol

The protocol used by the STP.

String

stp.root.mac.address

The MAC address of the root bridge in the STP.

String

stp.bridge.mac.address

The MAC address of the bridge in the STP.

String

client.mac.address

The MAC address of the client connected to a port.

String

client.port

The port number to which the client is connected.

Count

cisco.stack.switch.mac.address

The MAC address of the Cisco stack switch.

String

cisco.stack.switch.role

The role of the Cisco stack switch in the stack.

String

cisco.stack.switch.state

The state of the Cisco stack switch.

String

cisco.stack.switch.hardware.priority

The hardware priority of the Cisco stack switch.

Count

cisco.stack.switch

The number of Cisco stack switches in the stack.

Count

cisco.stack.switch.software.priority

The software priority of the Cisco stack switch.

Count

cisco.stack.switch.software.image

The software image version running on the Cisco stack switch.

String

cisco.stack.switch.role.key

The role key of the Cisco stack switch.

Count

cisco.stack.switch.serial.no

The serial number of the Cisco stack switch.

String

cisco.stack.switch.model.no

The model number of the Cisco stack switch.

String

cisco.stack.switch.port

The number of ports available on the Cisco stack switch.

Count

cisco.stack.switch.port.status

The status of the ports on the Cisco stack switch.

String

cisco.stack.bandwidth

The bandwidth of the Cisco stack.

String

cisco.stack.switch.members

The members of the Cisco stack switch.

String

ipsla.name

The name of the IP SLA (Service Level Agreement) test.

String

ipsla.latency.ms

The latency value in milliseconds for the IP SLA test.

Count

ipsla

The identifier or name of the IP SLA configuration.

String

ipsla.status

The status of the IP SLA test (e.g., active, inactive).

String

ipsla.type

The type or category of the IP SLA test.

String

ipsla.availability

The availability status of the IP SLA test.

String

Page Title: cisco-wireless

On this page

Cisco Wireless

Overview

â€‹

Cisco Wireless, the industry-leading wireless networking solution by Cisco Systems, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Cisco wireless infrastructure. Monitor critical wireless network metrics such as client connections, signal strength, and access point utilization to ensure seamless and reliable wireless connectivity.

Prerequisites

â€‹

Ensure that the Cisco device is SNMP enabled before configuring the AIOps integration.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

cisco.wireless.access.point.interface.power.level

Power level of the Cisco access point interface

Count

cisco.wireless.access.point.interface.operational.status

Operational status of the Cisco access point interface

String

cisco.wireless.access.point.interface.admin.status

Administrative status of the Cisco access point interface

String

cisco.wireless.access.point.interface.current.channel

Current channel of the wireless access point interface

String

cisco.wireless.access.point.interface.type

Type of the wireless access point interface

String

cisco.wireless.access.point.interface.wlan.override

WLAN override setting of the Cisco access point interface

String

cisco.wireless.access.point.interface

Identifier of the wireless access point interface

String

cisco.wireless.access.point.location

Location of the wireless access point

String

cisco.wireless.access.point.started.time.sec

Uptime of the wireless access point in seconds

Count

status

Status of the wireless access point

String

cisco.wireless.access.point

Identifier of the wireless access point

String

cisco.wireless.access.point.mac.address

MAC address of the wireless access point

String

cisco.wireless.access.point.slots

Number of slots in the wireless access point

Count

cisco.wireless.access.point.group

Group associated with the wireless access point

String

cisco.wireless.access.point.serial.number

Serial number of the wireless access point

String

cisco.wireless.access.point.admin.status

Administrative status of the Cisco access point

String

cisco.wireless.access.point.operational.status

Operational status of the Cisco access point

String

cisco.wireless.access.point.ip.address

IP address of the wireless access point

String

cisco.wireless.access.point.model

Model of the wireless access point

String

cisco.wireless.access.point.clients

Number of clients connected to the wireless access point

Count

cisco.wireless.wlans

Number of wireless WLANs configured in the Cisco wireless network

Count

cisco.wireless.controller.memory.used.percent

Memory usage percentage of the Cisco wireless controller

Count

cisco.wireless.version

Version of the Cisco wireless controller

String

cisco.wireless.controller.ip.address

IP address of the Cisco wireless controller

String

cisco.wireless.controller.cpu.temperature.celsius

CPU temperature of the Cisco wireless controller in Celsius

Count

cisco.wireless.controller.802.11b.network.state

State of the 802.11b network in the Cisco wireless controller

String

cisco.wireless.controller.cpu.percent

CPU usage percentage of the Cisco wireless controller

Count

started.time

Start time of the Cisco wireless controller

String

cisco.wireless.clients

Number of clients connected to the Cisco wireless controller

Count

cisco.wireless.controller.802.11a.network.state

State of the 802.11a network in the Cisco wireless controller

String

cisco.wireless.controller.memory.free.bytes

Free memory in bytes of the Cisco wireless controller

Count

started.time.sec

Uptime of the Cisco wireless controller in seconds

Count

cisco.wireless.controller.memory.used.bytes

Used memory in bytes of the Cisco wireless controller

Count

cisco.wireless.access.points

Number of wireless access points in the Cisco wireless network

Count

cisco.wireless.controller.mac.address

MAC address of the wireless controller

String

cisco.wireless.controller.product.code

Product code of the wireless controller

String

cisco.wireless.controller.product.name

Product name of the wireless controller

String

cisco.wireless.controller.serial.number

Serial number of the wireless controller

String

cisco.wireless.controller.manufacturer.name

Manufacturer name of the wireless controller

String

cisco.wireless.wlan

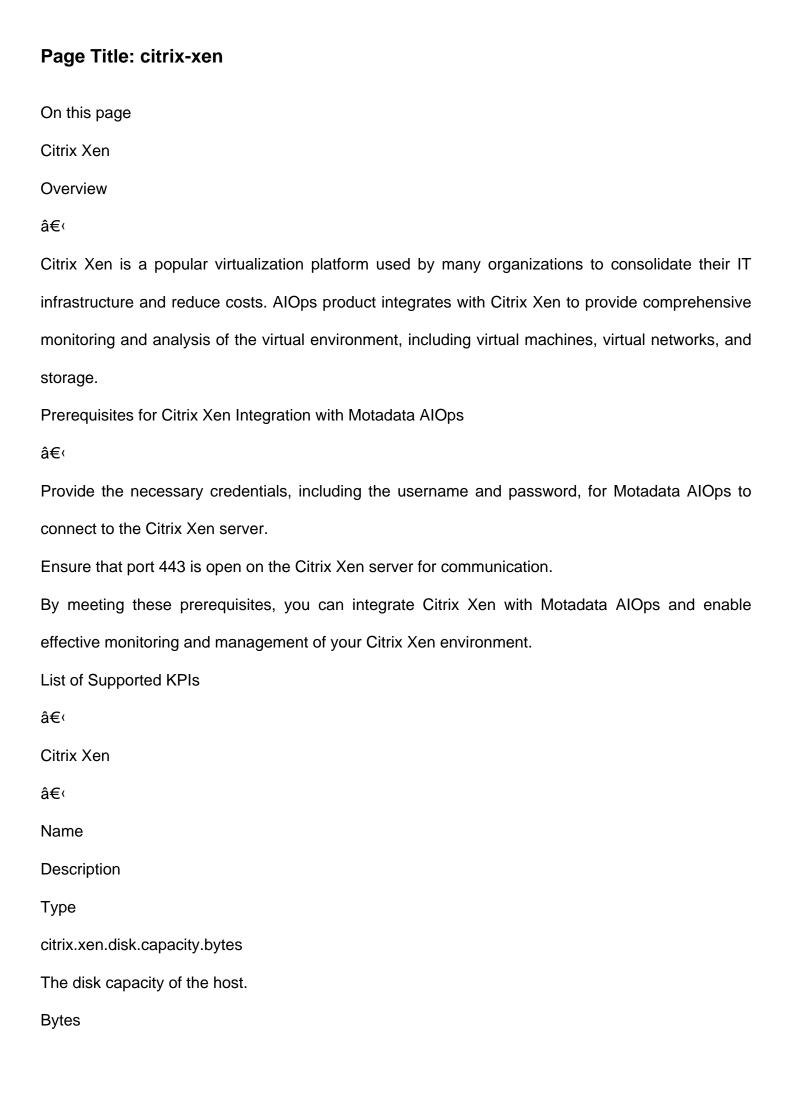Name of the wireless WLAN

String

cisco.wireless.wlan.status

Status of the wireless WLAN

String

cisco.wireless.wlan.id

ID of the wireless WLAN

Count

cisco.wireless.wlan.interface.name

Interface name of the Cisco WLAN

String

cisco.wireless.rogue.access.points

Number of wireless rogue access points

Count

cisco.wireless.rogue.clients

Number of wireless rogue clients

Count

cisco.wireless.rogue.access.point.name

Name of the Cisco rogue access point

String

cisco.wireless.rogue.access.point.channel

Channel of the wireless rogue access point

String

cisco.wireless.rogue.access.point.last.detected

Last detected time of the wireless rogue access point

String

cisco.wireless.rogue.access.point.class.type

Class type of the wireless rogue access point

String

cisco.wireless.rogue.type

Type of the wireless rogue

String

cisco.wireless.rogue.access.point.state

State of the Cisco rogue access point

String

cisco.wireless.rogue.access.point.mac.address

MAC address of the wireless rogue access point

String

cisco.wireless.rogue.access.point.clients

Number of clients associated with the Cisco rogue AP

String

cisco.wireless.rogue.client.ssid

SSID of the wireless rogue client

String

cisco.wireless.rogue.client

Name of the Cisco rogue client

String

cisco.wireless.rogue.client.ap.mac.address

MAC address of the Cisco rogue client's AP

String

cisco.wireless.rogue.client.state

State of the Cisco rogue client

String

cisco.wireless.rogue.client.last.detected

Last detected time of the Cisco rogue client

String

cisco.wireless.client

Cisco wireless client

String

cisco.wireless.client.protocol

Cisco wireless client protocol

String

cisco.wireless.client.ap

Wireless client access point

String

cisco.wireless.client.snr

Signal-to-Noise Ratio (SNR) of the wireless client

Count

cisco.wireless.client.association.mode

Cisco wireless client association mode

String

cisco.wireless.client.os.type

Operating system type of the wireless client

String

cisco.wireless.client.wlan

WLAN (Wireless Local Area Network) of the client

String

cisco.wireless.client.channel

Channel of the wireless client

String

cisco.wireless.client.traffic.received.bytes.rate

Traffic received bytes rate of the wireless client

Count

cisco.wireless.client.signal.strength.dbm

Signal strength in dBm of the wireless client

Count

cisco.wireless.client.traffic.sent.bytes.rate

Traffic sent bytes rate of the wireless client

Count

cisco.wireless.client.packets.rate

Packets rate of the wireless client

Count

cisco.wireless.client.interface.type

Interface type of the wireless client

String

cisco.wireless.client.ip.address

IP address of the wireless client

String

cisco.wireless.client.ap.mac.address

MAC address of the access point connected by the client

String

cisco.wireless.client.traffic.bytes.rate

Traffic bytes rate of the wireless client

Count

cisco.wireless.client.ap.ip.address

IP address of the access point connected by the client

String

cisco.wireless.client.status

Status of the wireless client

String

cisco.wireless.client.username

Username of the wireless client

String

cisco.wireless.client.started.time.sec

Uptime of the wireless client in seconds

Count

cisco.wireless.client.received.packets.rate

Received packets rate of the wireless client

Count

cisco.wireless.client.sent.packets.rate

Sent packets rate of the wireless client

Count

cisco.wireless.client.auth.method

Authentication method of the wireless client

String

Page Title: citrix-xen

On this page

Citrix Xen

Overview

â€‹

Citrix Xen is a popular virtualization platform used by many organizations to consolidate their IT infrastructure and reduce costs. AIOps product integrates with Citrix Xen to provide comprehensive monitoring and analysis of the virtual environment, including virtual machines, virtual networks, and storage.

Prerequisites for Citrix Xen Integration with Motadata AIOps

â€‹

Provide the necessary credentials, including the username and password, for Motadata AIOps to connect to the Citrix Xen server.

Ensure that port 443 is open on the Citrix Xen server for communication.

By meeting these prerequisites, you can integrate Citrix Xen with Motadata AIOps and enable effective monitoring and management of your Citrix Xen environment.

List of Supported KPIs

â€‹

Citrix Xen

â€‹

Name

Description

Type

citrix.xen.disk.capacity.bytes

The disk capacity of the host.

Bytes

citrix.xen.disk.free.bytes

The amount of free disk space on the host.

Bytes

citrix.xen.disk.used.bytes

The amount of used disk space on the host.

Bytes

citrix.xen.disk.used.percent

The percentage of used disk space out of the total disk space on the host.

Percentage

citrix.xen.disk.free.percent

The percentage of free disk space out of the total disk space on the host.

Percentage

citrix.xen.running.virtual.machines

The number of virtual machines running on the host.

Count

citrix.xen.suspended.virtual.machines

The number of suspended virtual machines on the host.

Count

citrix.xen.halted.virtual.machines

The number of halted virtual machines on the host.

Count

citrix.xen.paused.virtual.machines

The number of paused virtual machines on the host.

Count

citrix.xen.memory.used.percent

The percentage of used memory out of total memory on the host.

Count

citrix.xen.api.memory.allocated.bytes

Count

citrix.xen.memory.used.bytes

The total amount of used memory on the host.

Bytes

citrix.xen.memory.free.bytes

The total amount of free memory on the host.

Bytes

citrix.xen.load.percent

Count

citrix.xen.memory.installed.bytes

Count

citrix.xen.virtual.machines

The total number of virtual machines on the host.

Count

citrix.xen.cpu.percent

The percentage of the host CPU being utilized.

Count

citrix.xen.api.memory.free.bytes

Count

citrix.xen.api.memory.used.bytes

Count

citrix.xen.api.memory.live.bytes

Count

citrix.xen.network.in.bytes.per.sec

Data(in bytes) transferred into the host per second.

Rate

citrix.xen.network.out.bytes.per.sec

Data(in bytes) transferred out of the host per second.

Rate

citrix.xen.network.bytes.per.sec

Data(in bytes) transferred in and out of the host per second..

Rate

citrix.xen.vm

The name of the virtual machine.

Count or string?

citrix.xen.vm.power.state

The power state of the virtual machine.

Count or string?

citrix.xen.vm.ip

The IP address of the virtual machine on a host.

Count

Citrix Xen VM

â€‹

Name

Description

Type

citrix.xen.vm

Metric for Citrix Xen VMs

String

citrix.xen.vm.network.out.bytes.per.sec

Network Out Bytes per Second for Citrix Xen VMs

Count

citrix.xen.vm.cpu.percent

CPU utilization percentage for Citrix Xen VMs

Count

citrix.xen.vm.memory.free.bytes

Free memory in bytes for Citrix Xen VMs

Count

citrix.xen.vm.ip

IP address for Citrix Xen VMs

String

citrix.xen.vm.power.state

Power state of Citrix Xen VMs (on/off)

String

citrix.xen.vm.network.in.bytes.per.sec

Network In Bytes per Second for Citrix Xen VMs

Count

citrix.xen.vm.guest.tools

Status of Citrix Xen VM Guest Tools (installed/not installed)

String

citrix.xen.vm.guest.os

Operating system of Citrix Xen VMs

String

citrix.xen.vm.driver.version

Driver version for Citrix Xen VMs (if available)

String

citrix.xen.vm.uptime.sec

Uptime of Citrix Xen VMs in seconds

Count

citrix.xen.vm.uptime

Uptime of Citrix Xen VMs

Count

citrix.xen.vm.memory.target.bytes

The amount of memory targeted for usage by the Citrix Xen VM

Count

citrix.xen.vm.memory.used.bytes

The amount of memory currently in use by the Citrix Xen VM

Count

citrix.xen.vm.memory.used.percent

The percentage of memory currently in use by the Citrix Xen VM

Count

citrix.xen.vm.memory.overhead.bytes

The amount of memory overhead used by the Citrix Xen VM

Count

citrix.xen.vm.run.state.concurrency.hazard

The number of times the Citrix Xen VM has experienced a concurrency hazard during runtime

Count

citrix.xen.vm.run.state.full.contention

The Citrix Xen VM's state when there is full contention for resources, meaning all resources are in use

String

citrix.xen.vm.run.state.full.run

The Citrix Xen VM's state when it is fully running, meaning all of its resources are actively being utilized

String

citrix.xen.vm.run.state.blocked

The number of times the Citrix Xen VM has been blocked during runtime

Count

citrix.xen.vm.run.state.partial.contention

The Citrix Xen VM's state when there is partial contention for resources, meaning some resources are in use

Count

citrix.xen.vm.run.state.partial.run

The Citrix Xen VM's state when it is partially running, meaning some of its resources are actively being utilized

Count

Citrix Xen Storage

â€‹

Metrics

Description

Type

citrix.xen.datastore

The name of the datastore.

String

citrix.xen.datastore.used.percent

The percentage of used space out of the total space on the datastore.

Percentage

citrix.xen.datastore.free.percent

The percentage of free space out of the total space on the datastore.

Percentage

citrix.xen.datastore.io.write.bytes.per.sec

The bytes transferred per second writing to the datastore.

Rate

citrix.xen.datastore.io.bytes.per.sec

The amount of bytes transferred per second performing I/O operations to and from the datastore.

Rate

citrix.xen.datastore.io.write.ops.per.sec

The writing operations to the datastore per second.

Rate

citrix.xen.datastore.io.inflight.requests

Count

citrix.xen.datastore.io.latency.ms

The latency while doing IO operations.

milliseconds

citrix.xen.datastore.io.read.bytes.per.sec

The number of bytes transferred per second while reading from the datastore.

Count

citrix.xen.datastore.io.queue.size

The number of IO operations in the queue.

Count

citrix.xen.datastore.io.read.ops.per.sec

The number of read operations per second on the datastore.

Rate

citrix.xen.datastore.io.wait.time.percent

The percentage of time spent waiting for IO operations to be completed.

Count

citrix.xen.datastore.io.ops.per.sec

The number of read-write operations per second on the datastore.

Count

citrix.xen.datastore.type

The type of datastore.

String

citrix.xen.datastore.free.bytes

The total amount of free space available on the datastore.

Bytes

citrix.xen.datastore.uuid

The UUID of the datastore.

String

citrix.xen.datastore.description

The description of the datastore.

String

citrix.xen.datastore.used.bytes

The total amount of space used on a datastore.

Bytes

citrix.xen.datastore.allocation.bytes

The space allocated to a datastore.

Bytes

citrix.xen.datastore.capacity.bytes

The capacity of the datastore.

Bytes

Citrix Xen Network Interface

â€‹

Name

Description

Type

citrix.xen.network.interface

Number of network interfaces

Count

citrix.xen.network.interface.bytes.per.sec

Network interface traffic in bytes per second

Count

citrix.xen.network.interface.in.bytes.per.sec

Incoming network interface traffic in bytes per second

Count

citrix.xen.network.interface.out.bytes.per.sec

Outgoing network interface traffic in bytes per second

Count

Citrix Xen Config

â€‹

Name

Description

Type

citrix.xen.model

The model of the Citrix Xen hypervisor installed on the host system.

String

citrix.xen.license.port

The port number of the Citrix Xen license server.

String

citrix.xen.build.date

The build date of the Citrix Xen hypervisor installed on the host system.

String

citrix.xen.license.expiration.date

The expiration date of the Citrix Xen license.

String

citrix.xen.enabled

Indicates whether Citrix Xen is enabled on the host system.

String

citrix.xen.product.name

The name of the Citrix Xen product installed on the host system.

String

citrix.xen.vendor

The vendor of the Citrix Xen hypervisor installed on the host system.

String

citrix.xen.uuid

The UUID (universally unique identifier) of the Citrix Xen hypervisor installed on the host system.

String

citrix.xen.os.version

The version of the operating system running on the host system.

String

citrix.xen.bios.vendor

The vendor of the BIOS (basic input/output system) installed on the host system.

String

citrix.xen.logical.processors

The number of logical processors (or virtual CPUs) available on the host system.

String

citrix.xen.license.server

The hostname or IP address of the Citrix Xen license server.

String

citrix.xen.iscsi.iqn

The iSCSI (Internet Small Computer System Interface) Qualified Name (IQN) of the Citrix Xen host.

String

citrix.xen.cpu.speed.hz

The speed of the CPU (central processing unit) in hertz.

Count

citrix.xen.db.version

The version of the Citrix Xen database installed on the host system.

String

citrix.xen.build.version

The version of the Citrix Xen hypervisor installed on the host system.

String

citrix.xen.name

The name of the Citrix Xen hypervisor installed on the host system.

String

citrix.xen.description

A brief description of the Citrix Xen hypervisor installed on the host system.

String

citrix.xen.license.remaining.days

The number of days remaining until the Citrix Xen license expires.

Count

citrix.xen.cpu.sockets

The number of CPU sockets on the host system.

Count

started.time.sec

The number of seconds since the system was started.

Count

started.time

The time at which the system was started.

String

Page Title: citrix-xen-cluster

On this page

Citrix Xen Cluster

Overview

â€‹

A Citrix XenCluster, also known as a Citrix XenServer Cluster, is a group of two or more Citrix XenServer hosts (physical servers) that work together to create a unified and highly available virtualization environment. In a XenCluster, these hosts pool their resources and share virtual machines (VMs) across the cluster, providing increased scalability, load balancing, and fault tolerance.

Prerequisites for Citrix Xen Cluster Integration with Motadata AIOps

â€‹

Provide the necessary credentials, including the username and password, for Motadata AIOps to connect to the Citrix Xen cluster.

Ensure that port 443 is open on the Citrix Xen cluster for communication.

By meeting these prerequisites, you can integrate Citrix Xen cluster with Motadata AIOps and enable effective monitoring and management of your Citrix Xen cluster.

List of Supported KPIs

â€‹

Citrix Xen Cluster

â€‹

Metrics

Description

Type

citrix.xen.cluster.master

The name of the master server on the cluster.

Count or string?

citrix.xen.cluster.virtual.machines

The number of virtual machines on the cluster.

Count

citrix.xen.cluster.paused.virtual.machines

The number of paused virtual machines on the cluster.

Count

citrix.xen.cluster.cpu.cores

The number of CPU cores on the cluster.

Count

citrix.xen.cluster.nodes

The number of nodes on the cluster.

Count

citrix.xen.cluster.logical.processors

The number of logical processors on the cluster.

Count

citrix.xen.cluster.running.virtual.machines

The number of running virtual machines on the cluster.

Count

citrix.xen.cluster.halted.virtual.machines

The number of halted virtual machines running on the cluster.

Count

citrix.xen.cluster.suspended.virtual.machines

The number of suspended virtual machines running on the cluster.

Count

citrix.xen.cluster.node

The name of a node on the cluster.

Count or string?

citrix.xen.cluster.node.running.virtual.machines

The number of running virtual machines on the node.

Count

citrix.xen.cluster.node.disk.used.percent

The percentage of used disk space out of the total disk space on the node.

Count

citrix.xen.cluster.node.memory.used.percent

The percentage of used memory out of total memory on the node.

Count

citrix.xen.cluster.node.uuid

The UUID of the node.

Count

citrix.xen.cluster.node.memory.used.bytes

The total amount of used memory for the node.

Bytes

citrix.xen.cluster.node.enabled

The status of the node on the cluster. â€˜Yesâ€™ indicates the node is enabled on the cluster while

â€˜Noâ€™ means that the cluster is disabled.

Count

citrix.xen.cluster.node.ip

The IP address of the node.

Count or string?

citrix.xen.cluster.node.disk.used.bytes

The total amount of used disk space on the node.

Count

citrix.xen.cluster.node.is.master

Shows whether the node is master of the cluster. 'Yes' indicates that the node is a master node while 'No' indicates that it is not.

Count or string?

citrix.xen.cluster.node.cpu.speed.hz

The clock rate of the node CPU.

Count

citrix.xen.cluster.node.logical.processors

The count of logical processors on the node.

Count

citrix.xen.cluster.vm

The name of the virtual machine.

Count or string?

citrix.xen.cluster.vm.ip

The IP address of the virtual machine.

Count

citrix.xen.cluster.vm.power.state

The power state of the virtual machine.

Count

citrix.xen.cluster.vm.disk.capacity.bytes

The disk capacity of the virtual machine.

Count

citrix.xen.cluster.vm.node.ip.address

The IP address of the

Count

citrix.xen.cluster.vm.node

Count

citrix.xen.cluster.vm.cpu.percent

The CPU utilization of the virtual machine.

Count

citrix.xen.cluster.vm.memory.free.bytes

The amount of free memory on the virtual machine.

Count

citrix.xen.cluster.vm.guest.tools

Shows whether the guest tools are installed on the virtual machine. â€˜Yesâ€™ indicates guest tools are installed while â€˜Noâ€™ indicates that it is not.

Count

citrix.xen.cluster.vm.driver.version

Count

citrix.xen.cluster.vm.guest.os

The guest operating system installed on the virtual machine.

Count

citrix.xen.cluster.sr

The name of storage repository.

Count or string?

citrix.xen.cluster.sr.allocation.bytes

Count

citrix.xen.cluster.sr.free.bytes

The amount of free memory on the storage repository.

Bytes

citrix.xen.cluster.sr.type

Count

citrix.xen.cluster.sr.capacity.bytes

Count

citrix.xen.cluster.sr.description

The description of the storage repository.

Count

citrix.xen.cluster.sr.used.percent

The percentage of used space out of the total space on the storage repository.

Count

citrix.xen.cluster.sr.used.bytes

The amount of used space on the storage repository.

Bytes

citrix.xen.cluster.sr.uuid

The UUID of the storage repository.

Count

Citrix Xen Cluster Config

â€‹

Metrics

Description

Type

citrix.xen.cluster.wlb.url

The URL of workload balancing.

String

citrix.xen.cluster.ha.allow.over commit

Indicates whether over commit is allowed or not.

String

citrix.xen.cluster.ha.over committed

indicates whether the high availability is in over committed state.

String

citrix.xen.cluster.uuid

The UUID of the citrix xen cluster.

String

citrix.xen.cluster.redo.log.enabled

Indicates status of redo log. 'Yes' means that the redo log is enabled while 'No' means that it is disabled.

String

citrix.xen.cluster.description

The description of the cluster.

String

citrix.xen.cluster.ha.plan.exist.for

Count

citrix.xen.cluster.wlb.enabled

Indicates status of work load balancing. 'Yes' means workload balancing is enabled while 'No' means it is disabled.

String

citrix.xen.cluster.wlb.verify.cert

Yes' Indicate citrix is set up to verify the certificate before connecting to the workload balancing virtual appliance while 'No' indicates it is not.

String

citrix.xen.cluster

The name of the cluster.

String

citrix.xen.cluster.ha.host.failures.to.tolerate

The value of 'Host failures to tolerate'.

String

citrix.xen.cluster.ha.enabled

Indicates status of high availability. 'Yes' means that the high availability is enabled while 'No' means it is disabled.

String

citrix.xen.cluster.wlb.username

The username of work load balancing.

String

Page Title: cyberoam-firewall

On this page

Cyberoam

Overview

â€‹

Cyberoam Firewall, the robust and advanced firewall solutions by Cyberoam (a Sophos Company), seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and security of their Cyberoam Firewalls. Monitor critical firewall metrics such as traffic patterns, connection status, and threat activity to ensure a secure and protected network environment.

Motadata AIOps empowers businesses to proactively detect potential security breaches, troubleshoot firewall issues, and optimize Cyberoam Firewall configurations for improved protection. Receive instant alerts for suspicious activities, intrusion attempts, or policy violations, allowing prompt action to mitigate potential threats.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.ha.mode

The high availability (HA) mode of the SNMP device.

String

system.live.users

The number of live users on the SNMP device.

Count

system.http.hits

The number of hits made to the HTTP service on the SNMP device.

Count

system.ftp.hits

The number of hits made to the FTP service on the SNMP device.

Count

system.cpu.percent

The CPU utilization percentage of the SNMP device.

Percentage

system.memory.used.percent

The percentage of used memory on the SNMP device.

Percentage

tunnel.life.time.sec

The lifetime duration of the tunnel in seconds.

Count

tunnel.active.time.sec

The time duration that the tunnel has been active in seconds.

Count

tunnel

The identifier or name of the tunnel.

String

tunnel.source.ip.address

The source IP address of the tunnel.

String

tunnel.out.traffic.bytes.rate

The rate of outgoing traffic in bytes per second through the tunnel.

Count

tunnel.in.traffic.bytes.rate

The rate of incoming traffic in bytes per second through the tunnel.

Count

tunnel.destination.ip.address

The destination IP address of the tunnel.

String

tunnel.name

The name or label assigned to the tunnel.

String

tunnel.status

The current status of the tunnel.

String

remote.vpn.active.connections

The number of active VPN connections from remote clients.

Count

remote.vpn.client.in.traffic.bytes.rate

The incoming traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.out.traffic.bytes.rate

The outgoing traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.protocol

The communication protocol used by the VPN client.

String

remote.vpn.client.encryption.algorithm

The encryption algorithm used by the VPN client.

String

remote.vpn.client

The identifier or name of the remote VPN client.

String

remote.vpn.client.duration.sec

The duration of the VPN client connection in seconds.

Count

remote.vpn.client.app.version

The version of the VPN client application.

String

remote.vpn.client.duration

The duration of the VPN client connection.

String

remote.vpn.client.status

The status of the VPN client connection.

String

remote.vpn.user.group

The user group associated with the remote VPN client.

String

remote.vpn.client.app

The application name of the remote VPN client.

String

Page Title: cyberpower-ups

On this page

CyberPower

Overview

â€‹

CyberPower UPS, the reliable and high-performance uninterruptible power supply solutions by CyberPower Systems, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their CyberPower UPS devices. Monitor critical UPS metrics such as battery status, load levels, and input/output voltage to ensure continuous and reliable power protection.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets
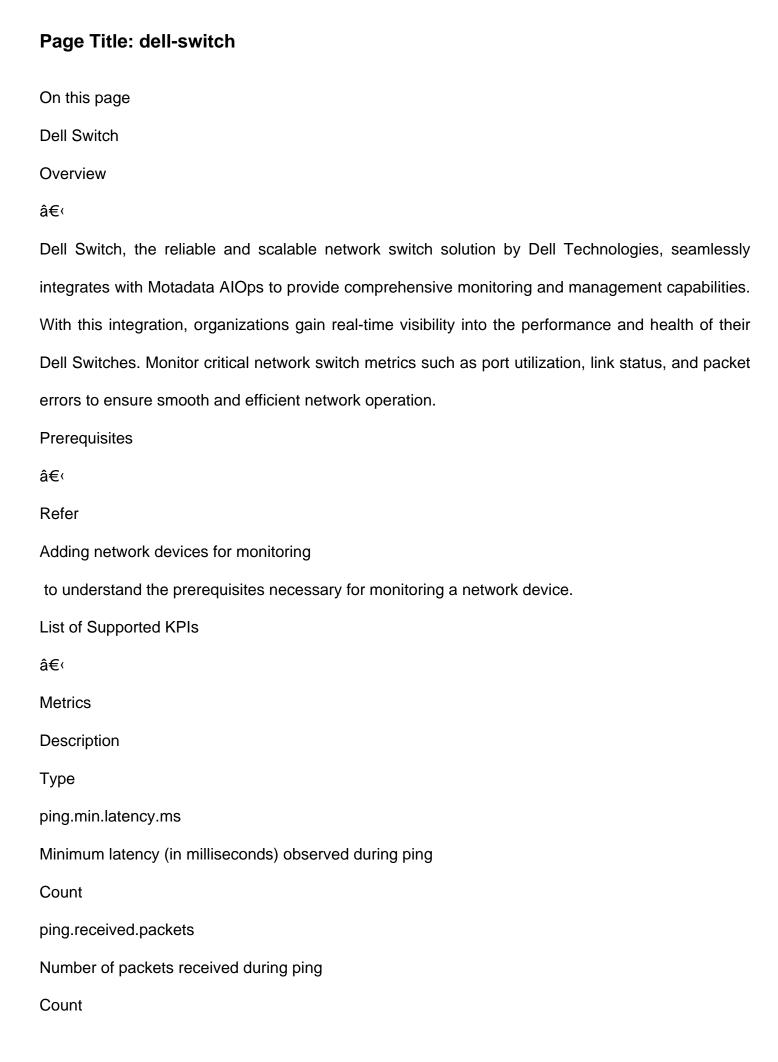
Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

ups.load

The load on the UPS.

Count

ups.charge

The charge level of the UPS battery.

Percentage

ups.input.line.voltage

The input line voltage supplied to the UPS.

Voltage

ups.output.line.voltage

The output line voltage delivered by the UPS.

Voltage

ups.output.current

The output current provided by the UPS.

Current

ups.sensor.status

The status of the UPS sensor.

String

ups.sensor.communications.status

The status of UPS sensor communications.

String

ups.battery.last.replace.date

The date of the last UPS battery replacement.

Date

ups.last.self.test.date

The date of the last UPS self-test.

Date

ups.battery.status

The status of the UPS battery.

String

ups.battery.temperature

The temperature of the UPS battery.

Temperature

ups.battery.replace

The status of UPS battery replacement.

String

ups.input.voltage

The input voltage supplied to the UPS.

Voltage

ups.external.batteries.infected

The count of infected external batteries connected to the UPS.

Count

ups.comm.status

The communication status of the UPS.

String

ups.reason.for.last.transfer

The reason for the last transfer of UPS power source.

String

ups.battery.runtime.remain

The remaining runtime of the UPS battery.

Time

ups.output.voltage

The output voltage delivered by the UPS.

Voltage

ups.input.source

The input source of the UPS.

String

ups.time.remaining

The remaining time of UPS battery backup.

Time

ups.battery.current

The current flowing through the UPS battery.

Current

ups.backup.time.remaining

The remaining backup time of the UPS battery.

Time

ups.output.load

The load connected to the UPS output.

Load

ups.temperature

The temperature of the UPS.

Temperature

ups.battery.power.consumed

The power consumed by the UPS battery.

Count

ups.number.transients

The count of voltage transients experienced by the UPS.

Count

ups.battery.voltage

The voltage of the UPS battery.

Voltage

ups.battery.remaining

The remaining capacity of the UPS battery.

Percentage

ups.battery.positive.voltage

The positive voltage of the UPS battery.

Voltage

ups.battery.negative.voltage

The negative voltage of the UPS battery.

Voltage

ups.battery.installed

Indicates whether a battery is installed in the UPS.

String

ups.battery.sys.shutdown.duration

The duration of the UPS battery system shutdown.

Time

ups.inverter.state

The state of the UPS inverter.

String

ups.basic.battery.time.on.battery

The basic battery time on battery power.

Time

ups.last.self.test.result

The result of the last UPS self-test.

String

ups.output.status

The status of the UPS output.

String

ups.input.frequency

The input frequency supplied to the UPS.

Frequency

ups.output.power

The power output of the UPS.

Power

Page Title: dell-switch

On this page

Dell Switch

Overview

â€‹

Dell Switch, the reliable and scalable network switch solution by Dell Technologies, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Dell Switches. Monitor critical network switch metrics such as port utilization, link status, and packet errors to ensure smooth and efficient network operation.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics	Description	Type
ping.min.latency.ms	Minimum latency (in milliseconds) observed during ping	Count
ping.received.packets	Number of packets received during ping	Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

chassis.server

Information about the chassis server.

String

chassis.server.slot

The slot number of the chassis server.

String

chassis.server.service.tag

The service tag of the chassis server.

String

chassis.server.node.id

The node ID of the chassis server.

String

chassis.server.index

The index of the chassis server.

String

slot

Information about the slot.

String

slot.chassis

The chassis to which the slot belongs.

String

slot.state

The state of the slot.

String

slot.status

The status of the slot.

String

slot.type

The type of the slot.

String

slot.category

The category of the slot.

String

slot.external.slot.name

The external slot name of the slot.

String

battery

Information about the battery.

String

battery.fqdn

The fully qualified domain name of the battery.

String

battery.display.name

The display name of the battery.

String

battery.state

The state of the battery.

String

chassis

Information about the chassis.

String

chassis.model.type

The model type of the chassis.

String

chassis.manufacture.name

The manufacturer name of the chassis.

String

chassis.led.control.flags

The control flags of the chassis LED.

String

chassis.flash.control.flags

The control flags of the chassis flash.

String

rack

Information about the rack.

String

rack.short.name

The short name of the rack.

String

rack.description

The description of the rack.

String

rack.manufacturer

The manufacturer of the rack.

String

rack.version

The version of the rack.

String

rack.url

The URL of the rack.

String

rack.type

The type of the rack.

String

rack.firmware.version

The firmware version of the rack.

String

system

Information about the system.

String

system.service.tag

The service tag of the system.

String

system.asset.tag

The asset tag of the system.

String

system.blade.slot.number

The slot number of the system blade.

String

system.os.name

The operating system name of the system.

String

system.datacenter.name

The name of the data center where the system is located.

String

system.rack.name

The name of the rack where the system is installed.

String

system.rack.slot

The slot number of the system in the rack.

String

system.model.name

The model name of the system.

String

system.id

The ID of the system.

String

system.os.version

The operating system version of the system.

String

power.supply.sensor

Information about the power supply sensor.

String

power.supply.sensor.name

The name of the power supply sensor.

String

power.supply.sensor.vendor

The vendor of the power supply sensor.

String

power.supply.sensor.status

The status of the power supply sensor.

String

power.supply.sensor.severity

The severity level of the power supply sensor.

String

power.supply.sensor.rollup.status

The rollup status of the power supply sensor.

String

power.supply.sensor.component.status

The component status of the power supply sensor.

String

power.supply.sensor

Information about the power supply sensor.

String

power.supply.sensor.chassis.index

The chassis index of the power supply sensor.

String

power.supply.sensor.index

The index of the power supply sensor.

String

power.supply.sensor.type

The type of the power supply sensor.

String

power.supply.sensor.output

The output of the power supply sensor.

String

power.supply.sensor.status

The status of the power supply sensor.

String

fru

Field Replaceable Unit (FRU) details.

String

fru.manufacturer.name

The name of the manufacturer for the FRU.

String

fru.serial.number.name

The serial number of the FRU.

String

fru.part.number.name

The part number of the FRU.

String

fru.revision.name

The revision name of the FRU.

String

fru.chassis.index

The chassis index of the FRU.

String

fru.index

The index of the FRU.

String

fru.manufacturing.date.name

The manufacturing date of the FRU.

String

fru.asset.tag.name

The asset tag of the FRU.

String

chassis.service.tag

The service tag of the chassis.

String

chassis.location

The location of the chassis.

String

chassis.name

The name of the chassis.

String

chassis.data.center

The data center where the chassis is located.

String

chassis.rack

The rack where the chassis is installed.

String

chassis.firmware.version

The firmware version of the chassis.

String

chassis.ikvm.firmware.version

The IKVM (Integrated Keyboard, Video, and Mouse) firmware version of the chassis.

String

chassis.ikvm.status

The status of the Integrated Keyboard, Video, and Mouse (IKVM) in the chassis.

String

chassis.power.status

The power status of the chassis.

String

chassis.fan.status

The fan status of the chassis.

String

chassis.temperature.status

The temperature status of the chassis.

String

chassis.cmc.ambient.temperature

The ambient temperature recorded by the Chassis Management Controller (CMC).

String

chassis.cmc.processor.temperature

The processor temperature recorded by the Chassis Management Controller (CMC).

String

chassis.status

The status of the chassis.

String

chassis.redundancy.status

The redundancy status of the chassis.

String

chassis.blade.status

The status of the blade in the chassis.

String

chassis.front.panel.ambient.temperature

The ambient temperature recorded at the front panel of the chassis.

String

chassis.io.subsystem.status

The I/O subsystem status of the chassis.

String

temperature.sensor

Information about the temperature sensor.

String

temperature.sensor.chassis.index

The chassis index of the temperature sensor.

String

temperature.sensor.status

The status of the temperature sensor.

String

temperature.sensor.reading

The temperature reading from the sensor.

String

temperature.sensor.type

The type of the temperature sensor.

String

temperature.sensor.location

The location of the temperature sensor.

String

processor.device

Information about the processor device.

String

processor.device.chassis.index

The chassis index of the processor device.

String

processor.device.status

The status of the processor device.

String

processor.device.type

The type of the processor device.

String

processor.device.manufacturer.name

The manufacturer name of the processor device.

String

processor.device.family

The family of the processor device.

String

processor.device.maximum.speed

The maximum speed of the processor device.

String

processor.device.current.speed

The current speed of the processor device.

String

processor.device.voltage

The voltage of the processor device.

String

processor.device.version.name

The version name of the processor device.

String

processor.device.core.count

The number of cores in the processor device.

String

processor.device.thread.count

The number of threads in the processor device.

String

processor.device.model.name

The model name of the processor device.

String

network.device

Information about the network device.

String

network.device.chassis.index

The chassis index of the network device.

String

network.device.status

The status of the network device.

String

network.device.connection.status

The connection status of the network device.

String

network.device.description.name

The description name of the network device.

String

network.device.product.name

The product name of the network device.

String

network.device.vendor.name

The vendor name of the network device.

String

network.device.service.name

The service name of the network device.

String

network.device.driver.version.name

The driver version name of the network device.

String

network.device.ip.address

The IP address of the network device.

String

network.device.subnet.mask

The subnet mask of the network device.

String

network.device.gateway.ip.address

The gateway IP address of the network device.

String

network.device.dhcp.ip.address

The DHCP IP address of the network device.

String

network.device.current.mac.address

The current MAC address of the network device.

String

network.device.permanent.mac.address

The permanent MAC address of the network device.

String

memory device

Information about the memory device.

String

memory.device.chassis.index

The chassis index of the memory device.

String

memory.device.status

The status of the memory device.

String

memory.device.type

The type of the memory device.

String

memory.device.location

The location of the memory device.

String

memory.device.size

The size of the memory device.

String

memory.device.speed

The speed of the memory device.

String

memory.device.failure.mode

The failure mode of the memory device.

String

memory.device.manufacturer.name

The manufacturer name of the memory device.

String

memory.device.part.number

The part number of the memory device.

String

memory.device.serial.number

The serial number of the memory device.

String

memory.device.asset.tag

The asset tag of the memory device.

String

cache.device

Information about the cache device.

String

cache.device.chassis.index

The chassis index of the cache device.

String

cache.device.status

The status of the cache device.

String

cache.device.type

The type of the cache device.

String

cache.device.location

The location of the cache device.

String

cache.device.external.socket

The external socket of the cache device.

String

cache.device.level

The level of the cache device.

String

cache.device.maximum.size

The maximum size of the cache device.

String

cache.device.current.size

The current size of the cache device.

String

cache.device.speed

The speed of the cache device.

String

cache.device.write.policy

The write policy of the cache device.

String

raid.controller

Information about the RAID controller.

String

raid.controller.name

The name of the RAID controller.

String

raid.controller.vendor

The vendor of the RAID controller.

String

raid.controller.type

The type of the RAID controller.

String

raid.controller.state

The state of the RAID controller.

String

raid.controller.severity

The severity of the RAID controller.

String

raid.controller.rebuild.rate

The rebuild rate of the RAID controller.

String

raid.controller.firmware.version

The firmware version of the RAID controller.

String

raid.controller.cache.size

The cache size of the RAID controller.

String

raid.controller.physical.devices

The number of physical devices connected to the RAID controller.

String

raid.controller.logical.devices

The number of logical devices managed by the RAID controller.

String

raid.controller.driver.version

The driver version of the RAID controller.

String

raid.controller.pci.slot

The PCI slot of the RAID controller.

String

raid.controller.cluster.mode

The cluster mode of the RAID controller.

String

power.supply.connection

Information about the power supply connection.

String

power.supply.connection.name

The name of the power supply connection.

String

power.supply.connection.number

The number of the power supply connection.

String

power.supply.connection.enclosure.name

The enclosure name of the power supply connection.

String

power.supply.connection.enclosure.number

The enclosure number of the power supply connection.

String

power.supply.connection.firmware.version

The firmware version of the power supply connection.

String

temperature.connection

Information about the temperature connection.

String

temperature.connection.name

The name of the temperature connection.

String

temperature.connection.number

The number of the temperature connection.

String

temperature.connection.enclosure.name

The enclosure name of the temperature connection.

String

temperature.connection.enclosure.number

The enclosure number of the temperature connection.

String

battery

Information about the battery.

String

battery.number

The number of the battery.

String

battery.name

The name of the battery.

String

battery.vendor

The vendor of the battery.

String

battery.state

The state of the battery.

String

battery.rollup.status

The rollup status of the battery.

String

battery.component.status

The component status of the battery.

String

battery.charges

The number of charges of the battery.

String

battery.maximum.charges

The maximum number of charges supported by the battery.

String

battery.connection

Information about the battery connection.

String

battery.connection.name

The name of the battery connection.

String

battery.connection.number

The number of the battery connection.

String

battery.connection.controller.name

The controller name of the battery connection.

String

battery.connection.controller.number

The controller number of the battery connection.

String

tape.drive

Information about the tape drive.

String

tape.drive.name

The name of the tape drive.

String

tape.drive.vendor

The vendor of the tape drive.

String

tape.drive.product.id

The product ID of the tape drive.

String

tape.drive.durable.unique.id

The durable unique ID of the tape drive.

String

tape.drive.bus.type

The bus type of the tape drive.

String

tape.drive.sas.address

The SAS address of the tape drive.

String

tape.drive.media.type

The media type used in the tape drive.

String

channel

Information about the channel.

String

channel.name

The name of the channel.

String

channel.state

The state of the channel.

String

channel.severity

The severity of the channel.

String

channel.rollup.status

The rollup status of the channel.

String

channel.component.status

The component status of the channel.

String

channel.durable.unique.id

The durable unique ID of the channel.

String

channel.data.rate

The data rate of the channel.

String

channel.bus.type

The bus type of the channel.

String

fan

Information about the fan.

String

fan.name

The name of the fan.

String

fan.vendor

The vendor of the fan.

String

fan.state

The state of the fan.

String

fan.rollup.status

The rollup status of the fan.

String

fan.component.status

The component status of the fan.

String

fan.durable.unique.id

The durable unique ID of the fan.

String

fan.revision.number

The revision number of the fan.

String

virtual.disk

Information about the virtual disk.

String

virtual.disk.name

The name of the virtual disk.

String

virtual.disk.device name

The name of the device associated with the virtual disk.

String

virtual.disk.state

The state of the virtual disk.

String

virtual.disk.severity

The severity of the virtual disk.

String

virtual.disk.length

The length of the virtual disk.

String

virtual.disk.free.size

The amount of free space available in the virtual disk.

String

virtual dis.write.policy

The write policy of the virtual disk.

String

virtual.disk.read.policy

The read policy of the virtual disk.

String

virtual.disk.cache.policy

The cache policy of the virtual disk.

String

virtual.disk.rollup.status

The rollup status of the virtual disk.

String

virtual.disk.component.status

The component status of the virtual disk.

String

virtual.disk.durable.unique.id

The durable unique ID of the virtual disk.

String

physical.disk

Information about the physical disk.

String

physical.disk.name

The name of the physical disk.

String

physical.disk.product.id

The product ID of the physical disk.

String

physical.disk.serial.number

The serial number of the physical disk.

String

physical.disk.power.state

The power state of the physical disk.

String

physical.disk.operational.state

The operational state of the physical disk.

String

physical.disk.fqdd

The Fully Qualified Device Descriptor (FQDD) of the physical disk.

String

physical.disk.free.size

The amount of free space available in the physical disk.

String

physical.disk.used.size

The amount of used space in the physical disk.

String

physical.disk.capacity.size

The capacity size of the physical disk.

String

physical.disk.utilization

The utilization percentage of the physical disk.

String

cluster

Information about the cluster.

String

cluster.chassis.index

The index of the chassis associated with the cluster.

String

cluster.status

The status of the cluster.

String

cluster.type

The type of the cluster.

String

cluster.name

The name of the cluster.

String

usb.port

Information about the USB port.

String

usb.port.chassis.index

The index of the chassis associated with the USB port.

String

usb.port.status

The status of the USB port.

String

usb.port.security.state

The security state of the USB port.

String

usb.port.connector.type

The type of the connector used in the USB port.

String

usb.port.name

The name of the USB port.

String

usb.port.bios.connector.type

The type of the BIOS connector used in the USB port.

String

slot

Information about the slot.

String

slot.chassis.index

The index of the chassis associated with the slot.

String

slot.status

The status of the slot.

String

slot.current.usage

The current usage of the slot.

String

slot.type

The type of the slot.

String

slot.external.slot.name

The name of the external slot.

String

slot.length

The length of the slot.

String

slot.id

The ID of the slot.

String

slot.category

The category of the slot.

String

system.bios

Information about the system BIOS.

String

system.bios.chassis.index

The index of the chassis associated with the BIOS.

String

system.bios.status

The status of the system BIOS.

String

system.bios.size

The size of the system BIOS.

String

system.bios.release.date.name

The release date name of the system BIOS.

String

system.bios.version.name

The version name of the system BIOS.

String

system.bios.starting.address

The starting address of the system BIOS.

String

system.bios.ending.address

The ending address of the system BIOS.

String

system.bios.manufacturer.name

The manufacturer name of the system BIOS.

String

firmware

Information about the firmware.

String

firmware.chassis index

The index of the chassis associated with the firmware.

String

firmware.status

The status of the firmware.

String

firmware.size

The size of the firmware.

String

firmware.type

The type of the firmware.

String

firmware.type.name

The type name of the firmware.

String

firmware.version.name

The version name of the firmware.

String

power.unit

Information about the power unit.

String

power.unit.chassis.index

The index of the chassis associated with the power unit.

String

power.unit.redundancy.status

The redundancy status of the power unit.

String

power.unit.name

The name of the power unit.

String

power.unit.status

The status of the power unit.

String

battery.index

The index of the battery.

String

battery.chassis.index

The index of the chassis associated with the battery.

String

battery.reading

The reading of the battery.

String

battery

Information about the battery.

String

processor.index

The index of the processor.

String

processor.chassis.index

The index of the chassis associated with the processor.

String

processor.reading

The reading of the processor.

String

processor

Information about the processor.

String

fan

Information about the fan.

String

fan.type

The type of the fan.

String

fan.location.name

The location name of the fan.

String

fan.index

The index of the fan.

String

fan.chassis.index

The index of the chassis associated with the fan.

String

temperature

Information about the temperature.

String

temperature.type

The type of the temperature.

String

temperature.index

The index of the temperature.

String

temperature.chassis.index

The index of the chassis associated with the temperature.

String

disk

Information about the disk.

String

disk.number

The number of the disk.

String

disk.capable.speed

The capable speed of the disk.

String

disk.used.space

The used space in the disk.

String

disk.free.space

The free space available in the disk.

String

disk.power.state

The power state of the disk.

String

disk.operational.status

The operational status of the disk.

String

disk.security.status

The security status of the disk.

String

disk.fqdn

The Fully Qualified Domain Name (FQDN) of the disk.

String

disk.manufacturer

The manufacturer of the disk.

String

disk.revision

The revision of the disk.

String

disk.capacity

The capacity of the disk.

String

pcid

Information about the PCID device.

String

pcid.status

The status of the PCID device.

String

pcid.manufacturer.name

The manufacturer name of the PCID device.

String

pcid.description.name

The description name of the PCID device.

String

pcid.index

The index of the PCID device.

String

pcid.data.bus.width

The data bus width of the PCID device.

String

vlan.name

The name of the VLAN.

String

vlan.status

The status of the VLAN.

String

vlan

The VLAN identifier.

String

vlan.ports

The list of ports associated with the VLAN.

String

vlan.port

The specific port associated with the VLAN.

String

Page Title: delta-electronics-ups

On this page

Delta Electronics

Overview

â€‹

Delta Electronics UPS, the reliable and high-performance uninterruptible power supply solutions by Delta Electronics, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Delta Electronics UPS devices. Monitor critical UPS metrics such as battery status, load levels, and input/output voltage to ensure continuous and reliable power protection.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

ups.load

The load on the UPS.

Count

ups.charge

The charge level of the UPS battery.

Percentage

ups.input.line.voltage

The input line voltage supplied to the UPS.

Voltage

ups.output.line.voltage

The output line voltage delivered by the UPS.

Voltage

ups.output.current

The output current provided by the UPS.

Current

ups.sensor.status

The status of the UPS sensor.

String

ups.sensor.communications.status

The status of UPS sensor communications.

String

ups.battery.last.replace.date

The date of the last UPS battery replacement.

Date

ups.last.self.test.date

The date of the last UPS self-test.

Date

ups.battery.status

The status of the UPS battery.

String

ups.battery.temperature

The temperature of the UPS battery.

Temperature

ups.battery.replace

The status of UPS battery replacement.

String

ups.input.voltage

The input voltage supplied to the UPS.

Voltage

ups.external.batteries.infected

The count of infected external batteries connected to the UPS.

Count

ups.comm.status

The communication status of the UPS.

String

ups.reason.for.last.transfer

The reason for the last transfer of UPS power source.

String

ups.battery.runtime.remain

The remaining runtime of the UPS battery.

Time

ups.output.voltage

The output voltage delivered by the UPS.

Voltage

ups.input.source

The input source of the UPS.

String

ups.time.remaining

The remaining time of UPS battery backup.

Time

ups.battery.current

The current flowing through the UPS battery.

Current

ups.backup.time.remaining

The remaining backup time of the UPS battery.

Time

ups.output.load

The load connected to the UPS output.

Load

ups.temperature

The temperature of the UPS.

Temperature

ups.battery.power.consumed

The power consumed by the UPS battery.

Count

ups.number.transients

The count of voltage transients experienced by the UPS.

Count

ups.battery.voltage

The voltage of the UPS battery.

Voltage

ups.battery.remaining

The remaining capacity of the UPS battery.

Percentage

ups.battery.positive.voltage

The positive voltage of the UPS battery.

Voltage

ups.battery.negative.voltage

The negative voltage of the UPS battery.

Voltage

ups.battery.installed

Indicates whether a battery is installed in the UPS.

String

ups.battery.sys.shutdown.duration

The duration of the UPS battery system shutdown.

Time

ups.inverter.state

The state of the UPS inverter.

String

ups.basic.battery.time.on.battery

The basic battery time on battery power.

Time

ups.last.self.test.result

The result of the last UPS self-test.

String

ups.output.status

The status of the UPS output.

String

ups.input.frequency

The input frequency supplied to the UPS.

Frequency

ups.output.power

The power output of the UPS.

Power

Page Title: digipower-ups

On this page

DigiPower

Overview

â€‹

DigiPower UPS, the reliable and high-performance uninterruptible power supply solutions by DigiPower, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their DigiPower UPS devices. Monitor critical UPS metrics such as battery status, load levels, and input/output voltage to ensure continuous and reliable power protection.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

ups.load

The load on the UPS.

Count

ups.charge

The charge level of the UPS battery.

Percentage

ups.input.line.voltage

The input line voltage supplied to the UPS.

Voltage

ups.output.line.voltage

The output line voltage delivered by the UPS.

Voltage

ups.output.current

The output current provided by the UPS.

Current

ups.sensor.status

The status of the UPS sensor.

String

ups.sensor.communications.status

The communications status of the UPS sensor.

String

ups.battery.last.replace.date

The date of the last UPS battery replacement.

Date

ups.last.self.test.date

The date of the last UPS self-test.

Date

ups.battery.status

The status of the UPS battery.

String

ups.battery.temperature

The temperature of the UPS battery.

Temperature

ups.battery.replace

The status of UPS battery replacement.

String

ups.input.voltage

The input voltage supplied to the UPS.

Voltage

ups.external.batteries.infected

The count of infected external batteries connected to the UPS.

Count

ups.comm.status

The communication status of the UPS.

String

ups.reason.for.last.transfer

The reason for the last transfer of UPS power source.

String

ups.battery.runtime.remain

The remaining runtime of the UPS battery.

Time

ups.output.voltage

The output voltage delivered by the UPS.

Voltage

ups.input.frequency

The input frequency supplied to the UPS.

Frequency

ups.time.remaining

The remaining time of UPS battery backup.

Time

ups.battery.current

The current flowing through the UPS battery.

Current

ups.last.self.test.result

The result of the last UPS self-test.

String

ups.output.status

The status of the UPS output.

String

ups.basic.battery.time.on.battery

The basic battery time on battery power.

Time

ups.input.source

The input source of the UPS.

String

ups.temperature

The temperature of the UPS.

Temperature

ups.battery.power.consumed

The power consumed by the UPS battery.

Count

ups.number.transients

The count of voltage transients experienced by the UPS.

Count

ups.battery.voltage

The voltage of the UPS battery.

Voltage

ups.battery.installed

Indicates whether a battery is installed in the UPS.

String

ups.battery.sys.shutdown.duration

The duration of the UPS battery system shutdown.

Time

ups.inverter.state

The state of the UPS inverter.

String

ups.battery.time.remaining

The remaining time of UPS battery.

Time

ups.output.load

The load connected to the UPS output.

Load

ups.output.power

The power output of the UPS.

Power

ups.backup.time.remaining

The remaining backup time of the UPS battery.

Time

ups.bypass.state

The state of the UPS bypass.

String

ups.charge.remaining.percent

The remaining percentage of UPS battery charge.

Percentage

ups.elapsed.time.on.battery

The elapsed time the UPS has been on battery power.

Time

Page Title: directory-monitoring

On this page

Directory Monitoring

Overview

â€‹

With Motadata AIOps, organizations can easily monitor directories empowering them to keep a close watch on their crucial directory structures. With this integration, businesses gain real-time visibility into directory activities, changes, and access permissions. This enables them to proactively identify any unauthorized modifications, monitor directory access patterns, and receive instant alerts for potential security breaches. The directory monitoring feature empowers organizations to maintain data integrity, track user actions, and promptly respond to any anomalies, ensuring a secure and well-organized data environment.

Prerequisites for Directory Monitoring Integration with Motadata AIOps

â€‹

Ensure that the path of the directory you want to monitor is correctly configured in the File/Directory Settings in Motadata AIOps.

List of Supported KPIs

â€‹

Linux Directory

â€‹

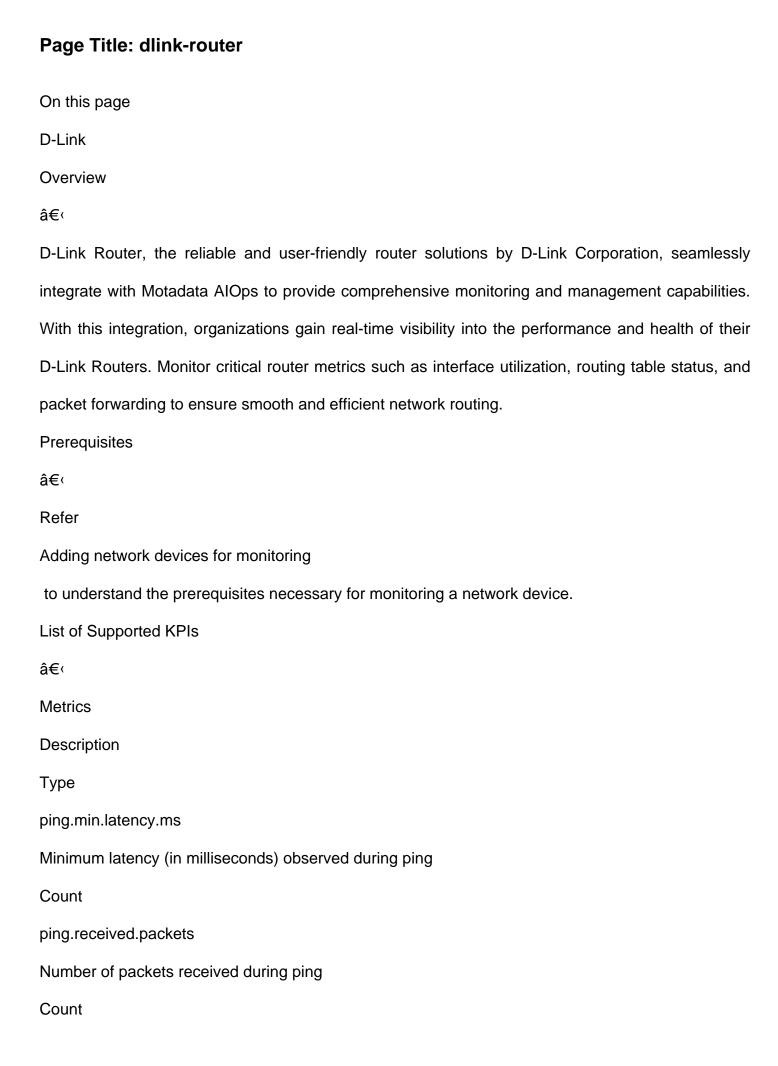Name

Description

Type

system.directory.files

Number of files in the system directory

Count

system.directory.owner

Owner of the system directory

String

system.directory.mode.owner

Mode (permissions) of the directory for owner

String

system.directory.mode.group

Mode (permissions) of the directory for group

String

system.directory

Path or name of the system directory

String

system.directory.creation.time

Creation time of the system directory

String

system.directory.modified.duration.minutes

Duration of directory modification in minutes

Count

system.directory.size.bytes

Size of the directory in bytes

Count

status

Status of the system directory

String

system.directory.last.modified.time

Last modified time of the system directory

String

system.directory.dirs

Number of subdirectories in the system directory

Count

system.directory.mode.others

Mode (permissions) of the directory for others

String

Windows Directory

â€‹

Name

Description

Type

system.directory

Path or name of the system directory

String

system.directory.last.access.time

Last access time of the system directory

String

system.directory.last.modified.by

Last modified by user of the directory

String

status

Status of the system directory

String

system.directory.files

Files contained within the directory

String

system.directory.dirs

Subdirectories within the directory

String

system.directory.creation.time

Creation time of the system directory

String

system.directory.last.write.time

Last write time of the system directory

String

system.directory.size.bytes

Size of the directory in bytes

Count

system.directory.owner

Owner of the system directory

String

Page Title: dlink-router

On this page

D-Link

Overview

â€‹

D-Link Router, the reliable and user-friendly router solutions by D-Link Corporation, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their D-Link Routers. Monitor critical router metrics such as interface utilization, routing table status, and packet forwarding to ensure smooth and efficient network routing.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics	Description	Type
ping.min.latency.ms	Minimum latency (in milliseconds) observed during ping	Count
ping.received.packets	Number of packets received during ping	Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

fan

Information about the fan.

String

fan.unit.id

The ID of the fan unit.

String

fan.description

The description of the fan.

String

fan.status

The status of the fan.

String

system.switch.name

The name of the switch.

String

system.hardware.version

The hardware version of the switch.

String

system.firmware.version

The firmware version of the switch.

String

system.fan.state

The state of the fan in the system.

String

power.supply

Information about the power supply.

String

power.supply.unit.id

The ID of the power supply unit.

String

power.supply.description

The description of the power supply.

String

power.supply.used

The amount of power supply used.

String

power.supply.max

The maximum power supply capacity.

String

power.supply.status

The status of the power supply.

String

temperature

Information about the temperature.

String

temperature.unit.id

The ID of the temperature unit.

String

temperature.description

The description of the temperature.

String

temperature.measure

The measured temperature value.

String

temperature.status

The status of the temperature.

String

system.memory

Information about the memory.

String

system.memory.type

The type of memory in the system.

String

system.memory.total

The total memory capacity in the system.

String

system.memory.used

The used memory in the system.

String

system.memory.available

The available memory in the system.

String

system.memory.used.percent

The percentage of used memory in the system.

String

system.cpu

Information about the CPU.

String

system.cpu.id

The ID of the CPU.

String

system.cpu.percent

The percentage of CPU usage.

String

system.1min.avg.cpu.percent

The 1-minute average CPU usage percentage.

String

system.5min.avg.cpu.percent

The 5-minute average CPU usage percentage.

String

bgp.peer

The BGP peer identifier or name.

String

bgp.peer.remote.as

The remote AS number associated with the BGP peer.

Count

bgp.peer.status

The status of the BGP peer (e.g., up, down).

String

bgp.local.peer.address

The local IP address of the BGP peer.

String

bgp.remote.peer.address

The remote IP address of the BGP peer.

String

bgp.peer.time

The time when the BGP peer was established.

String

bgp.peer.updated.time

The time when the BGP peer status was last updated.

String

isis.neighbour.last.up.time

The last time the ISIS neighbour came up.

String

isis.neighbour.hold.time

The hold time of the ISIS neighbour.

String

isis.neighbour.system.type

The system type of the ISIS neighbour.

String

isis.neighbour.3way.state

The 3-way state of the ISIS neighbour.

String

isis.neighbour.state

The state of the ISIS neighbour.

String

isis.neighbour

The identifier or name of the ISIS neighbour.

String

isis.neighbour.protocol

The protocol used by the ISIS neighbour.

String

ospf.neighbour.remote.as

The remote AS number associated with the OSPF neighbour.

String

ospf.neighbour.status

The status of the OSPF neighbour (e.g., up, down).

String

ospf.neighbour

The identifier or name of the OSPF neighbour.

String

ip.route

The IP route entry.

String

ip.route.subnet.mask

The subnet mask associated with the IP route.

String

ip.route.last.updated.sec

The time in seconds since the IP route was last updated.

Count

ip.route.protocol

The routing protocol associated with the IP route.

String

ip.route.metric

The metric value of the IP route.

String

ip.route.type

The type of IP route (e.g., static, dynamic).

String

ip.route.next.hop

The next-hop IP address for the IP route.

String

ip.route.last.updated

The last time the IP route was updated.

String

ip.routing.type

The type of IP routing (e.g., unicast, multicast).

String

ip.route.interface.index

The index of the network interface associated with the IP route.

Count

Page Title: dlink-switch

On this page

D-Link

Overview

â€‹

Dell Switch, the reliable and scalable network switch solution by Dell Technologies, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Dell Switches. Monitor critical network switch metrics such as port utilization, link status, and packet errors to ensure smooth and efficient network operation.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

fan

Information about the fan.

String

fan.unit.id

The ID of the fan unit.

String

fan.description

The description of the fan.

String

fan.status

The status of the fan.

String

system.switch.name

The name of the switch.

String

system.hardware.version

The hardware version of the switch.

String

system.firmware.version

The firmware version of the switch.

String

system.fan.state

The state of the fan in the system.

String

power.supply

Information about the power supply.

String

power.supply.unit.id

The ID of the power supply unit.

String

power.supply.description

The description of the power supply.

String

power.supply.used

The amount of power supply used.

String

power.supply.max

The maximum power supply capacity.

String

power.supply.status

The status of the power supply.

String

temperature

Information about the temperature.

String

temperature.unit.id

The ID of the temperature unit.

String

temperature.description

The description of the temperature.

String

temperature.measure

The measured temperature value.

String

temperature.status

The status of the temperature.

String

system.memory

Information about the memory.

String

system.memory.type

The type of memory in the system.

String

system.memory.total

The total memory capacity in the system.

String

system.memory.used

The used memory in the system.

String

system.memory.available

The available memory in the system.

String

system.memory.used.percent

The percentage of used memory in the system.

String

system.cpu

Information about the CPU.

String

system.cpu.id

The ID of the CPU.

String

system.cpu.percent

The percentage of CPU usage.

String

system.1min.avg.cpu.percent

The 1-minute average CPU usage percentage.

String

system.5min.avg.cpu.percent

The 5-minute average CPU usage percentage.

String

vlan.name

The name of the VLAN.

String

vlan.status

The status of the VLAN.

String

vlan

The VLAN identifier.

String

vlan.ports

The list of ports associated with the VLAN.

String

vlan.port

The specific port associated with the VLAN.

String

Page Title: dns-check

On this page

DNS

Overview

â€‹

A service check for DNS (Domain Name System) involves monitoring the DNS infrastructure to ensure its proper functionality and availability. DNS is a critical network service that translates human-readable domain names (e.g.,

www.example.com

) into numerical IP addresses used by computers to locate and communicate with each other on the internet. DNS service checks are performed regularly to verify that the DNS servers are responsive, resolving queries accurately, and providing reliable name resolution services.

Prerequisites for DNS Monitoring Integration with Motadata AIOps

â€‹

Ensure that the DNS port (default: 53) is open for the Motadata AIOps server.

Ensure you have the configured lookup address of the DNS server.

List of Supported KPIs

â€‹

Name

Description

Type

status

Status of DNS

String

service.check.status

Service Check Status

String

service.check.latency.ms

Latency of service check in milliseconds

Count

dns.latency.ms

DNS latency in milliseconds

Count

dns.lookup.time.ms

DNS lookup time in milliseconds

Count

Page Title: domain

Domain

Overview

â€‹

A service check for a domain involves monitoring the availability and functionality of a specific domain name or website on the internet. This type of monitoring is essential for ensuring that the domain is accessible to users and that the associated services, such as websites, emails, and other applications, are functioning correctly.

List of Supported KPIs

â€‹

Name

Description

Type

domain.registrar

Registrar of the domain

String

domain.whois.server

WHOIS server for the domain

String

domain.creation.date

Date when the domain was created

String

domain.updated.date

Date when the domain was last updated

String

domain.name.servers

Name servers associated with the domain

String

domain.server.states

States or statuses of the domain's servers

String

domain.remaining.days

Number of days remaining until domain expires

Count

domain.registrar.url

URL of the domain registrar's website

String

object.target

Target object or entity related to the domain

String

domain.expiration.date

Date when the domain is set to expire

String

status

Current status of the domain

String

service.check.status

Status of the service check for the domain

String

Page Title: dotnet

On this page

.Net

Overview

â€‹

.NET, the versatile and powerful software framework developed by Microsoft, seamlessly integrates with Motadata AIOps to enhance application monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their .NET applications. Monitor critical metrics such as response times, resource utilization, and error rates to ensure optimal application performance.

Supported Versions

â€‹

Versions
5,6,7

List of Supported KPIs

â€‹

Name	Description	Type
dns.received.wins.reverse.lookups.per.sec	Number of WINS reverse lookup requests received per second.	Count
dns.received.udp.queries.per.sec	Number of UDP DNS queries received per second.	Count
dns.recursive.queries		

Total number of recursive DNS queries made.

Count

dns.udp.message.memory.bytes

Memory usage in bytes for UDP DNS messages.

Count

dns.sent.axfr.requests

Number of AXFR (zone transfer) requests sent.

Count

dns.received.udp.queries

Total number of UDP DNS queries received.

Count

dns.axfr.success.sends

Number of successful AXFR (zone transfer) sends.

Count

dns.recursive.queries.per.sec

Number of recursive DNS queries made per second.

Count

dns.dynamic.update.noops.per.sec

Number of dynamic DNS update NOOPs (no operations) per second.

Count

dns.dynamic.queued.updates

Number of dynamic DNS queued updates waiting to be processed.

Count

dns.received.notifications

Total number of DNS notifications received.

Count

dns.dynamic.update.timeouts

Number of dynamic DNS update timeouts occurred.

Count

dns.dynamic.update.receives

Number of dynamic DNS update messages received.

Count

dns.received.tcp.queries

Total number of TCP DNS queries received.

Count

dns.sent.wins.reverse.responses

Number of WINS reverse lookup responses sent.

Count

dns.sent.ixfr.requests

Number of IXFR (incremental zone transfer) requests sent.

Count

dns.sent.tcp.responses.per.sec

Number of TCP DNS responses sent per second.

Count

dns.dynamic.update.receives.per.sec

Number of dynamic DNS update messages received per second.

Count

dns.sent.udp.responses

Total number of UDP DNS responses sent.

Count

dns.received.wins.lookups

Total number of WINS lookups received.

Count

dns.sent.responses.per.sec

Number of DNS responses sent per second.

Count

dns.ixfr.success.sends

Number of successful IXFR (incremental zone transfer) sends.

Count

dns.record.flow.memory.bytes

Memory usage in bytes for DNS record flow.

Count

dns.received.ixfr.requests

Total number of IXFR (incremental zone transfer) requests received.

Count

dns.received.tcp.queries.per.sec

Number of TCP DNS queries received per second.

Count

dns.sent.tcp.responses

Total number of TCP DNS responses sent.

Count

dns.sent.udp.responses.per.sec

Number of UDP DNS responses sent per second.

Count

dns.recursive.query.failures.per.sec

Number of failed recursive DNS queries per second.

Count

dns.sent.notifications

Total number of DNS notifications sent.

Count

dns.secure.update.receives

Number of secure DNS update messages received.

Count

dns.dynamic.update.rejects

Number of dynamic DNS update rejections.

Count

dns.received.unmatched.responses

Total number of unmatched DNS responses received.

Count

dns.ixfr.tcp.success.receives

Number of successful TCP IXFR (incremental zone transfer) receives.

Count

dns.axfr.success.receives

Total number of successful AXFR (full zone transfer) receives.

Count

dns.secure.update.failures

Total number of failed secure DNS updates.

Count

dns.nbstat.memory.bytes

Memory usage in bytes for DNS NBSTAT.

Count

dns.received.axfr.requests

Total number of AXFR (full zone transfer) requests received.

Count

dns.tcp.message.memory.bytes

Memory usage in bytes for TCP DNS messages.

Count

dns.received.queries.per.sec

Number of DNS queries received per second.

Count

dns.received.wins.reverse.lookups

Total number of WINS reverse lookups received.

Count

dns.ixfr.udp.success.receives

Total number of successful UDP IXFR (incremental zone transfer) receives.

Count

dns.received.zone.transfer.requests

Total number of zone transfer requests received.

Count

dns.dynamic.update.database.writes.per.sec

Number of dynamic DNS update database writes per second.

Count

dns.received.wins.lookup.per.sec

Number of WINS lookups received per second.

Count

dns.received.ixfr.responses

Total number of IXFR (incremental zone transfer) responses received.

Count

dns.sent.responses

Total number of DNS responses sent.

Count

dns.recursive.timeouts.per.sec

Number of recursive DNS query timeouts per second.

Count

dns.sent.zone.transfer.soa.requests

Total number of SOA (Start of Authority) requests sent for zone transfer.

Count

dns.succeeded.zone.transfers

Total number of successful DNS zone transfers.

Count

dns.received.axfr.responses

Total number of AXFR (full zone transfer) responses received.

Count

dns.sent.recursive.timeouts

Total number of recursive DNS query timeouts sent.

Count

dns.sent.wins.reverse.responses.per.sec

Number of WINS reverse responses sent per second.

Count

dns.sent.wins.responses

Total number of WINS responses sent.

Count

dns.zone.transfer.failures

Total number of DNS zone transfer failures.

Count

dns.caching.memory.bytes

Memory usage in bytes for DNS caching.

Count

dns.received.queries

Total number of DNS queries received.

Count

dns.database.node.memory.bytes

Memory usage in bytes for DNS database nodes.

Count

dns.secure.update.receives.per.sec

Number of secure DNS update receives per second.

Count

dns.ixfr.success.receives

Total number of successful IXFR (incremental zone transfer) receives.

Count

dns.recursive.query.failures

Total number of recursive DNS query failures.

Count

dns.dynamic.update.database.writes

Total number of dynamic DNS update database writes.

Count

dns.dynamic.update.noops

Total number of dynamic DNS update noops.

Count

dns.sent.wins.responses.per.sec

Number of WINS responses sent per second.

Count

Page Title: eaton-ups

On this page

Eaton

Overview

â€‹

Eaton UPS, the reliable and high-performance uninterruptible power supply solutions by Eaton, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Eaton UPS devices. Monitor critical UPS metrics such as battery status, load levels, and input/output voltage to ensure continuous and reliable power protection.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

ups.load

The load on the UPS.

Count

ups.charge

The charge level of the UPS battery.

Percentage

ups.input.line.voltage

The input line voltage supplied to the UPS.

Voltage

ups.output.line.voltage

The output line voltage delivered by the UPS.

Voltage

ups.output.current

The output current provided by the UPS.

Current

ups.sensor.status

The status of the UPS sensor.

String

ups.sensor.communications.status

The communications status of the UPS sensor.

String

ups.battery.last.replace.date

The date of the last UPS battery replacement.

Date

ups.last.self.test.date

The date of the last UPS self-test.

Date

ups.battery.status

The status of the UPS battery.

String

ups.battery.temperature

The temperature of the UPS battery.

Temperature

ups.battery.replace

The status of UPS battery replacement.

String

ups.input.voltage

The input voltage supplied to the UPS.

Voltage

ups.external.batteries.infected

The count of infected external batteries connected to the UPS.

Count

ups.comm.status

The communication status of the UPS.

String

ups.reason.for.last.transfer

The reason for the last transfer of UPS power source.

String

ups.battery.runtime.remain

The remaining runtime of the UPS battery.

Time

ups.output.voltage

The output voltage delivered by the UPS.

Voltage

ups.input.frequency

The input frequency supplied to the UPS.

Frequency

ups.time.remaining

The remaining time of UPS battery backup.

Time

ups.battery.current

The current flowing through the UPS battery.

Current

ups.last.self.test.result

The result of the last UPS self-test.

String

ups.output.status

The status of the UPS output.

String

ups.basic.battery.time.on.battery

The basic battery time on battery power.

Time

ups.input.frequency

The input frequency supplied to the UPS.

Frequency

ups.temperature

The temperature of the UPS.

Temperature

ups.battery.power.consumed

The power consumed by the UPS battery.

Count

ups.number.transients

The count of voltage transients experienced by the UPS.

Count

ups.battery.voltage

The voltage of the UPS battery.

Voltage

ups.battery.installed

Indicates whether a battery is installed in the UPS.

String

ups.battery.sys.shutdown.duration

The duration of the UPS battery system shutdown.

Time

ups.inverter.state

The state of the UPS inverter.

String

ups.battery.time.remaining

The remaining time of UPS battery.

Time

ups.output.load

The load connected to the UPS output.

Load

ups.output.power

The power output of the UPS.

Power

ups.backup.time.remaining

The remaining backup time of the UPS battery.

Time

ups.bypass.state

The state of the UPS bypass.

String

ups.charge.remaining.percent

The remaining percentage of UPS battery charge.

Percentage

ups.elapsed.time.on.battery

The elapsed time the UPS has been on battery power.

Time

Page Title: email

â€‹

Email monitoring is the process of systematically tracking and analyzing email communications to ensure security, compliance, and operational efficiency within an organization. It involves monitoring both incoming and outgoing emails to detect potential threats, enforce email policies, and maintain the integrity of the email system.

Prerequisites for Email Monitoring Integration with Motadata AIOps

â€‹

Ensure that the Email port (default: 25 for no Security Type, 465 for SSL, 587 for TLS) is open for the Motadata AIOps server.

List of Supported KPIs

â€‹

Name

Description

Type

status

Represents the current status of the email

String

service.check.status

Indicates the status of the service check

String

service.check.latency.ms

Measures the latency of the service check

Count

email.latency.ms

Measures the latency of email communication

Count

email.connection.time.ms

Measures the time taken to establish an email connection

Count

email.hostname.valid

Indicates if the email hostname is valid

String

email.reverse.dns.match

Indicates if the reverse DNS matches the email

String

email.banner.match

Indicates if the email banner matches

String

Page Title: emerson-computer-power-ups

On this page

Emerson Computer Power

Overview

â€‹

Emerson Computer Power UPS, the reliable and high-performance uninterruptible power supply solutions by Emerson, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Emerson Computer Power UPS devices. Monitor critical UPS metrics such as battery status, load levels, and input/output voltage to ensure continuous and reliable power protection for computer systems.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

ups.load

The load on the UPS.

Count

ups.charge

The charge level of the UPS battery.

Percentage

ups.input.line.voltage

The input line voltage supplied to the UPS.

Voltage

ups.output.line.voltage

The output line voltage delivered by the UPS.

Voltage

ups.output.current

The output current provided by the UPS.

Current

ups.sensor.status

The status of the UPS sensor.

String

ups.sensor.communications.status

The communications status of the UPS sensor.

String

ups.battery.last.replace.date

The date of the last UPS battery replacement.

Date

ups.last.self.test.date

The date of the last UPS self-test.

Date

ups.battery.status

The status of the UPS battery.

String

ups.battery.temperature

The temperature of the UPS battery.

Temperature

ups.battery.replace

The status of UPS battery replacement.

String

ups.input.voltage

The input voltage supplied to the UPS.

Voltage

ups.external.batteries.infected

The count of infected external batteries connected to the UPS.

Count

ups.comm.status

The communication status of the UPS.

String

ups.reason.for.last.transfer

The reason for the last transfer of UPS power source.

String

ups.battery.runtime.remain

The remaining runtime of the UPS battery.

Time

ups.output.voltage

The output voltage delivered by the UPS.

Voltage

ups.input.frequency

The input frequency supplied to the UPS.

Frequency

ups.time.remaining

The remaining time of UPS battery backup.

Time

ups.battery.current

The current flowing through the UPS battery.

Current

ups.last.self.test.result

The result of the last UPS self-test.

String

ups.output.status

The status of the UPS output.

String

ups.basic.battery.time.on.battery

The basic battery time on battery power.

Time

ups.input.frequency

The input frequency supplied to the UPS.

Frequency

ups.temperature

The temperature of the UPS.

Temperature

ups.battery.power.consumed

The power consumed by the UPS battery.

Count

ups.number.transients

The count of voltage transients experienced by the UPS.

Count

ups.battery.voltage

The voltage of the UPS battery.

Voltage

ups.battery.installed

Indicates whether a battery is installed in the UPS.

String

ups.battery.sys.shutdown.duration

The duration of the UPS battery system shutdown.

Time

ups.inverter.state

The state of the UPS inverter.

String

ups.battery.time.remaining

The remaining time of UPS battery.

Time

ups.output.load

The load connected to the UPS output.

Load

ups.output.power

The power output of the UPS.

Power

ups.backup.time.remaining

The remaining backup time of the UPS battery.

Time

ups.bypass.state

The state of the UPS bypass.

String

ups.charge.remaining.percent

The remaining percentage of UPS battery charge.

Percentage

ups.elapsed.time.on.battery

The elapsed time the UPS has been on battery power.

Time

Page Title: emerson-network-power-ups

On this page

Emerson Network Power

Overview

â€‹

Emerson Network Power, the reliable and innovative network infrastructure solutions provider, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Emerson Network Power devices and infrastructure. Monitor critical network metrics such as power usage, temperature, and environmental conditions to ensure optimal performance and reliability.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics	Description	Type
ping.min.latency.ms	Minimum latency (in milliseconds) observed during ping	Count
ping.received.packets	Number of packets received during ping	

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

ups.load

The load on the UPS.

Count

ups.charge

The charge level of the UPS battery.

Percentage

ups.input.line.voltage

The input line voltage supplied to the UPS.

Voltage

ups.output.line.voltage

The output line voltage delivered by the UPS.

Voltage

ups.output.current

The output current provided by the UPS.

Current

ups.sensor.status

The status of the UPS sensor.

String

ups.sensor.communications.status

The communications status of the UPS sensor.

String

ups.battery.last.replace.date

The date of the last UPS battery replacement.

Date

ups.last.self.test.date

The date of the last UPS self-test.

Date

ups.battery.status

The status of the UPS battery.

String

ups.battery.temperature

The temperature of the UPS battery.

Temperature

ups.battery.replace

The status of UPS battery replacement.

String

ups.input.voltage

The input voltage supplied to the UPS.

Voltage

ups.external.batteries.infected

The count of infected external batteries connected to the UPS.

Count

ups.comm.status

The communication status of the UPS.

String

ups.reason.for.last.transfer

The reason for the last transfer of UPS power source.

String

ups.battery.runtime.remain

The remaining runtime of the UPS battery.

Time

ups.output.voltage

The output voltage delivered by the UPS.

Voltage

ups.input.frequency

The input frequency supplied to the UPS.

Frequency

ups.time.remaining

The remaining time of UPS battery backup.

Time

ups.battery.current

The current flowing through the UPS battery.

Current

ups.last.self.test.result

The result of the last UPS self-test.

String

ups.output.status

The status of the UPS output.

String

ups.basic.battery.time.on.battery

The basic battery time on battery power.

Time

ups.input.frequency

The input frequency supplied to the UPS.

Frequency

ups.temperature

The temperature of the UPS.

Temperature

ups.battery.power.consumed

The power consumed by the UPS battery.

Count

ups.number.transients

The count of voltage transients experienced by the UPS.

Count

ups.battery.voltage

The voltage of the UPS battery.

Voltage

ups.battery.installed

Indicates whether a battery is installed in the UPS.

String

ups.battery.sys.shutdown.duration

The duration of the UPS battery system shutdown.

Time

ups.inverter.state

The state of the UPS inverter.

String

ups.battery.time.remaining

The remaining time of UPS battery.

Time

ups.output.load

The load connected to the UPS output.

Load

ups.output.power

The power output of the UPS.

Power

ups.backup.time.remaining

The remaining backup time of the UPS battery.

Time

ups.bypass.state

The state of the UPS bypass.

String

ups.charge.remaining.percent

The remaining percentage of UPS battery charge.

Percentage

ups.elapsed.time.on.battery

The elapsed time the UPS has been on battery power.

Time

Page Title: ESXi

On this page

ESXi

Overview

â€‹

ESXi, short for "VMware ESXi," is a type-1 hypervisor developed by VMware. It is a lightweight and robust virtualization platform designed to run directly on physical servers without the need for an underlying operating system. ESXi forms the foundation of VMware's vSphere suite and enables organizations to create and manage multiple virtual machines (VMs) on a single physical host.

Prerequisites

â€‹

To enable ESXi monitoring, ensure the following pre-requisites.

ESXi's User Name and Password: Provide the correct username and password when discovering the ESXi.

VMware Tools (optional): We recommend that you install VMware tools on the VMs. In general, VMware tools improve the performance of the Virtual Machine. They also offer IP address of the VMs, which helps AIOps to discover them. If VMware Tools are not installed then AIOps will still monitor the details of the VMs but it will not bring in the details of the IPs of the VM.

List of Supported KPIs

â€‹

ESXi

â€‹

Name

Description

Type

esxi.disk.capacity.bytes

The amount of disk capacity in bytes for ESXi

Count

esxi.disk.used.percent

The percentage of disk space used for ESXi

Count

esxi.cpu.percent

The percentage of CPU utilization for ESXi

Count

esxi.swap.in.memory.bytes

The amount of swap memory in bytes for ESXi

Count

esxi.vmkernel.memory.bytes

The amount of memory used by the VMkernel for ESXi

Count

esxi.cpu.ready.seconds

The amount of time spent in a ready state for CPU utilization for ESXi

Count

esxi.balloon.memory.bytes

The amount of memory in the balloon driver for ESXi

Count

esxi.cpu.used.hz

The amount of CPU used in hertz for ESXi

Count

esxi.shared.memory.bytes

The amount of shared memory for ESXi

Count

esxi.datastores

The number of datastores for ESXi

Count

esxi.cpu.wait.seconds

The amount of time spent waiting for CPU utilization for ESXi

Count

esxi.zero.memory.bytes

The amount of zero memory for ESXi

Count

esxi.active.memory.bytes

The amount of active memory for ESXi

Count

esxi.running.virtual.machines

The number of virtual machines currently running on the ESXi host

Count

esxi.network.bytes.per.sec

The rate of outgoing network traffic in bytes per second

Count

esxi.active.write.memory.bytes

The amount of memory actively being written to by the VMkernel

Count

esxi.swap.memory.bytes

The amount of memory currently being swapped to disk

Count

esxi.network.in.bytes.per.sec

The rate of incoming network traffic in bytes per second

Count

esxi.disk.used.bytes

The amount of disk space currently in use

Count

esxi.memory.swap.out.bytes.per.sec

The rate of memory being swapped out to disk in bytes per second

Count

esxi.reserved.capacity.memory.bytes

The amount of memory reserved by the ESXi host

Count

esxi.cpu.swap.wait.seconds

The amount of time spent waiting for CPU swap

Count

esxi.shared.common.memory.bytes

The amount of memory shared between multiple virtual machines

Count

esxi.memory.installed.bytes

The total amount of memory installed on the ESXi host

Count

esxi.cpu.capacity.hz

The total CPU capacity of the ESXi host in Hz

Count

esxi.virtual.machines

The total number of virtual machines on the ESXi host

Count

esxi.offline.datastores

The number of datastores currently offline

Count

esxi.disk.free.percent

The percentage of free disk space available on the ESXi host

Count

esxi.swap.out.memory.bytes

The amount of memory swapped from ESXi host to disk

Count

esxi.disk.io.bytes.per.sec

The rate of data transfer to and from the disk of ESXi host

Count

esxi.memory.swap.in.bytes.per.sec

The rate at which memory is swapped in from disk to ESXi host

Count

esxi.disk.free.bytes

The amount of free disk space available on the ESXi host

Count

esxi.overhead.memory.bytes

The amount of memory used by the ESXi host for its overhead operations

Count

esxi.memory.used.percent

The percentage of memory used by the ESXi host

Count

esxi.heap.free.memory.bytes

The amount of free heap memory available on the ESXi host

Count

esxi.heap.memory.bytes

The amount of heap memory used by the ESXi host

Count

esxi.unreserved.memory.bytes

The amount of memory on the ESXi host that is not reserved for any particular use

Count

esxi.network.out.bytes.per.sec

The rate of data sent out from the network of ESXi host

Count

esxi.cpu.reserved.capacity.hz

The reserved CPU capacity of the ESXi host in Hertz

Count

esxi.granted.memory.bytes

The amount of granted memory to the virtual machine running on the ESXi host

Count

esxi.consumed.memory.bytes

The amount of consumed memory by the virtual machine running on the ESXi host

Count

esxi.vm

The number of virtual machines running on the ESXi host

Count

esxi.vm.power.state

The power state (on/off) of the virtual machines running on the ESXi host

Count

esxi.vm.ip

The IP addresses of the virtual machines running on the ESXi host

Count

ESXi VM

â€‹

Name

Description

Type

esxi.vm

The name of the ESXi VM

String

esxi.vm.ip

The IP address of the ESXi VM

String

esxi.vm.cpu.max.usage.hz

The maximum CPU usage in hertz of the ESXi VM

Count

esxi.vm.connection.state

The connection state of the ESXi VM

String

esxi.vm.path

The path of the ESXi VM

String

esxi.vm.guest.os

The guest operating system of the ESXi VM

String

esxi.vm.power.state

The power state of the ESXi VM

String

esxi.vm.virtual.processors

The number of virtual processors of the ESXi VM

Count

esxi.vm.virtual.disk.volumes

The number of virtual disk volumes of the ESXi VM

Count

esxi.vm.virtual.interfaces

The number of virtual interfaces of the ESXi VM

Count

esxi.vm.memory.bytes

The memory in bytes of the ESXi VM

Count

esxi.vm.tool

Indicates whether ESXi tools are installed on the VM

Boolean

esxi.vm.uptime

The uptime of the ESXi VM

String

esxi.vm.uptime.sec

Uptime of the ESXi VM in seconds

Count

esxi.vm.active.write.memory.bytes

Active write memory of the ESXi VM in bytes

Count

esxi.vm.swap.out.memory.bytes

Amount of swapped out memory of the ESXi VM in bytes

Count

esxi.vm.cpu.ready.seconds

Amount of time the ESXi VM's CPU is ready to run but unable to be scheduled for a time slice in seconds

Count

esxi.vm.cpu.percent

Percentage of CPU time used by the ESXi VM

Count

esxi.vm.active.memory.bytes

Active memory of the ESXi VM in bytes

Count

esxi.vm.disk.io.bytes.per.sec

Disk I/O rate of the ESXi VM in bytes per second

Count

esxi.vm.cpu.wait.seconds

Amount of time the ESXi VM's CPU is idle waiting for a time slice in seconds

Count

esxi.vm.memory.used.percent

Percentage of used memory of the ESXi VM

Count

esxi.vm.granted.memory.bytes

Memory granted to the ESXi VM in bytes

Count

esxi.vm.balloon.memory.bytes

Amount of memory that the ESXi VM's guest OS has asked to be swapped out in bytes

Count

esxi.vm.swap.out.memory.bytes.per.sec

Amount of swapped out memory of the ESXi VM per second in bytes

Count

esxi.vm.overhead.memory.bytes

Amount of overhead memory used by the ESXi VM in bytes

Count

esxi.vm.cpu.usage.hz

CPU usage in Hz for the virtual machine on ESXi

Count

esxi.vm.swap.in.memory.bytes.per.sec

Rate of memory bytes swapped in per second for the virtual machine on ESXi

Count

esxi.vm.consumed.memory.bytes

Memory bytes consumed by the virtual machine on ESXi

Count

esxi.vm.swap.in.memory.bytes

Total memory bytes swapped in for the virtual machine on ESXi

Count

esxi.vm.shared.memory.bytes

Memory bytes shared by the virtual machine on ESXi

Count

esxi.vm.disk.io.avg.write.latency.ms

Average latency in milliseconds for disk writes for the virtual machine on ESXi

Count

esxi.vm.disk.io.read.bytes.per.sec

Rate of disk reads in bytes per second for the virtual machine on ESXi

Count

esxi.vm.disk.io.read.ops.per.sec

Rate of disk read operations per second for the virtual machine on ESXi

Count

esxi.vm.disk.io.pending.reads

Number of pending disk read operations for the virtual machine on ESXi

Count

esxi.vm.disk.io.write.ops.per.sec

Rate of disk write operations per second for the virtual machine on ESXi

Count

esxi.vm.disk.io.pending.writes

Number of pending disk write operations for the virtual machine on ESXi

Count

esxi.vm.disk.io.avg.read.latency.ms

Average read latency of the virtual machine's disk in ms

Count

esxi.vm.network.in.bytes.per.sec

Bytes per second received by the virtual machine's network

Count

esxi.vm.network.out.bytes.per.sec

Bytes per second sent by the virtual machine's network

Count

esxi.vm.network.bytes.per.sec

Total bytes per second transferred by the virtual machine

Count

esxi.vm.guest.host

Hostname of the virtual machine's operating system

String

esxi.vm.disk.capacity.bytes

Total disk capacity of the virtual machine in bytes

Count

esxi.vm.disk.free.bytes

Free disk space of the virtual machine in bytes

Count

esxi.vm.disk.io.aborted.commands

Number of aborted disk I/O commands on the virtual machine

Count

esxi.vm.disk.io.write.bytes.per.sec

Bytes per second written to the virtual machine's disk

Count

esxi.vm.disk.used.bytes

Used disk space of the virtual machine in bytes

Count

esxi.vm.disk.used.percent

Percentage of disk space used by the virtual machine

Count

status

Status of the virtual machine (e.g. running, stopped, paused)

String

ESXi Storage

â€‹

Name

Description

Type

esxi.storage.adapter.write.latency.ms

Write latency in milliseconds

Count

esxi.storage.adapter.read.latency.ms

Read latency in milliseconds

Count

esxi.storage.adapter.issued.commands.per.sec

Number of commands issued per second

Count

esxi.storage.adapter.read.ops.per.sec

Number of read operations per second

Count

esxi.storage.adapter.write.bytes.per.sec

Number of bytes written per second

Count

esxi.storage.adapter.write.ops.per.sec

Number of write operations per second

Count

esxi.storage.adapter.read.bytes.per.sec

Number of bytes read per second

Count

esxi.storage.adapter

Total number of storage adapters

Count

esxi.storage.path.read.latency.ms

Read latency in milliseconds

Count

esxi.storage.path.write.ops.per.sec

Number of write operations per second

Count

esxi.storage.path.read.bytes.per.sec

Number of bytes read per second

Count

esxi.storage.path.issued.commands.per.sec

Number of commands issued per second

Count

Esxi Storage Path Read Ops Per Sec

Number of read operations per second

Count

Esxi Storage Path Write Bytes Per Sec

Number of bytes written per second

Count

Esxi Storage Path Write Latency Ms

Latency in milliseconds for write operations

Count

Esxi Storage Path

Path for ESXi storage

String

ESXi Network

â€‹

Name

Description

Type

esxi.network.interface

The name of the network interface on the ESXi host.

String

esxi.network.interface.bytes.per.sec

The rate at which bytes are transmitted and received by the network interface.

Count

esxi.network.interface.in.bytes.per.sec

The rate at which bytes are received by the network interface.

Count

esxi.network.interface.out.bytes.per.sec

The rate at which bytes are transmitted by the network interface.

Count

ESXi Hardware Sensor

â€‹

Name

Description

Type

esxi.sensor.type

The type of sensor (e.g. temperature, power supply, fan, etc.)

String

esxi.sensor

The name of the sensor

String

esxi.sensor.health

The health status of the sensor (e.g. ok, warning, critical, etc.)

String

esxi.sensor.current

The current value of the sensor

String

esxi.sensor.voltage

The voltage value of the sensor

String

esxi.sensor.unit

The unit of measurement for the sensor value

String

esxi.sensor.value

The value of the sensor

String

ESXi Disk

â€‹

Name

Description

Type

esxi.disk.write.bytes.per.sec

Number of bytes written per second to the ESXi disk

Count

esxi.disk.queue.read.latency.sec

Latency in seconds for read operations waiting in the queue

Count

esxi.disk.read.latency.ms

Latency in milliseconds for read operations on the ESXi disk

Count

esxi.disk

Number of disk operations on the ESXi disk

Count

esxi.disk.read.bytes.per.sec

Number of bytes read per second from the ESXi disk

Count

esxi.disk.issued.command.per.sec

Number of commands issued per second to the ESXi disk

Count

esxi.disk.queue.write.latency.ms

Latency in milliseconds for write operations waiting in the queue

Count

esxi.disk.aborted.commands

Number of aborted commands on the ESXi disk

Count

esxi.disk.latency.ms

Latency in milliseconds for all disk operations on the ESXi disk

Count

esxi.disk.write.latency.ms

Latency in milliseconds

ESXi Datastore

â€‹

Name

Description

Type

esxi.datastore.write.latency.ms

Write latency in milliseconds

Count

esxi.datastore.read.latency.ms

Read latency in milliseconds

Count

esxi.datastore.write.bytes.per.sec

Write bytes per second

Count

esxi.datastore.capacity.bytes

Total capacity of the datastore in bytes

Count

esxi.datastore.free.bytes

Free space on the datastore in bytes

Count

esxi.datastore.used.bytes

Used space on the datastore in bytes

Count

esxi.datastore.type

Type of the datastore

String

esxi.datastore.url

URL of the datastore

String

esxi.datastore.used.percent

Percentage of used space on the datastore

Count

esxi.datastore.read.bytes.per.sec

Read bytes per second

Count

esxi.datastore.read.ops.per.sec

Read operations per second

Count

esxi.datastore.write.ops.per.sec

Write operations per second

Count

esxi.datastore

Name of the datastore

String

esxi.datastore.free.percent

Percentage of free space on the datastore

Count

ESXi Config

â€‹

Name

Description

Type

esxi.license.key

License key for ESXi

Count

started.time.sec

The time when the ESXi host started in seconds

Count

esxi.os.version

The version of the ESXi operating system

Count

esxi.hba.cards

The number of Host Bus Adapter (HBA) cards installed on the host

Count

esxi.logical.processors

The number of logical processors available on the host

Count

started.time

The time when the ESXi host started in UTC

Count

esxi.maintenance.mode.enabled

Indicates whether maintenance mode is enabled on the host

Count

esxi.nic.cards

The number of NIC (network interface card) cards installed

Count

esxi.vendor

The vendor of the ESXi host

String

esxi.vm.motion.enabled

Indicates whether VMotion is enabled on the host

String

esxi.name

The name of the ESXi host

String

esxi.cpu.speed.hz

The speed of the host's CPU in hertz

Count

esxi.physical.processors

The number of physical processors available on the host

Count

esxi.cpu.description

The description of the host's CPU

String

esxi.memory.installed.bytes

The amount of installed memory on the host in bytes

Count

esxi.license

The license type of the ESXi host

String

esxi.power.state

The current power state of the ESXi host

String

esxi.model

The model of the ESXi host

String

esxi.cpu.cores

The number of CPU cores available on the host

Count

esxi.license.expiration.date

The expiration date of the ESXi host license

String

esxi.system.date

The current system date of the ESXi host

String

Page Title: extreme-networks-switch

On this page

Extreme Networks

Overview

â€‹

Extreme Networks Switch, the reliable and high-performance network switch solution by Extreme Networks, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Extreme Networks Switches. Monitor critical network switch metrics such as port utilization, link status, and traffic patterns to ensure smooth and efficient network operation.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.memory.installed.bytes

Total installed memory capacity in bytes.

Count

system.memory.free.bytes

Free memory available in bytes.

Count

system.cpu.percent

CPU usage percentage.

Percentage

system.memory.used.bytes

Used memory capacity in bytes.

Count

system.memory.used.percent

Percentage of used memory capacity.

Percentage

fan.sensor

Fan sensor information.

String

fan.sensor.status

Status of the fan sensor.

String

fan.physical.index

Physical index of the fan sensor.

Count

fan.sensor.rpm

Rotations per minute (RPM) of the fan sensor.

Count

chassis.slot

Chassis slot information.

String

chassis.slot.status

Status of the chassis slot.

String

chassis.slot.serial.no

Serial number of the chassis slot.

String

power.supply.sensor

Power supply sensor information.

String

power.supply.sensor.status

Status of the power supply sensor.

String

power.supply.sensor.input.voltage

Input voltage of the power supply sensor.

Count

power.supply.sensor.serial.no

Serial number of the power supply sensor.

String

power.supply.sensor.physical.index

Physical index of the power supply sensor.

Count

system.serial.no

Serial number of the system.

String

system.os.version

Operating system version of the system.

String

system.id

ID of the system.

String

system.model

Model name of the system.

String

system.memory.installed.bytes

Total installed memory capacity in bytes.

Count

system.memory.free.bytes

Free memory available in bytes.

Count

system.cpu.percent

CPU usage percentage.

Percentage

system.memory.used.bytes

Used memory capacity in bytes.

Count

system.memory.used.percent

Percentage of used memory capacity.

Percentage

fan.sensor

Fan sensor information.

String

fan.sensor.status

Status of the fan sensor.

String

fan.physical.index

Physical index of the fan sensor.

Count

fan.sensor.rpm

Rotations per minute (RPM) of the fan sensor.

Count

chassis.slot

Chassis slot information.

String

chassis.slot.status

Status of the chassis slot.

String

chassis.slot.serial.no

Serial number of the chassis slot.

String

power.supply.sensor

Power supply sensor information.

String

power.supply.sensor.status

Status of the power supply sensor.

String

power.supply.sensor.input.voltage

Input voltage of the power supply sensor.

Count

power.supply.sensor.serial.no

Serial number of the power supply sensor.

String

power.supply.sensor.physical.index

Physical index of the power supply sensor.

Count

system.serial.no

Serial number of the system.

String

system.os.version

Operating system version of the system.

String

system.id

ID of the system.

String

system.model

Model name of the system.

String

vlan.name

The name of the VLAN.

String

vlan.status

The status of the VLAN.

String

vlan

The VLAN identifier.

String

vlan.ports

The list of ports associated with the VLAN.

String

vlan.port

The specific port associated with the VLAN.

String

Page Title: f5networks-loadbalancer

On this page

F5 Networks

Overview

â€‹

F5 Networks Load Balancer, the powerful and scalable load balancing solutions by F5 Networks, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their F5 Networks Load Balancers. Monitor critical load balancer metrics such as traffic distribution, server health, and resource utilization to ensure optimal application delivery and high availability.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.cpu.fan.speed

The speed of the CPU fan on the SNMP device.

Count

system.cpu.temperature

The temperature of the CPU on the SNMP device.

Percentage

system.memory.used.percent

The percentage of used memory on the SNMP device.

Percentage

system.1min.avg.cpu.percent

The 1-minute average percentage of CPU utilization.

Percentage

system.5min.avg.cpu.percent

The 5-minute average percentage of CPU utilization.

Percentage

system.cpu

The total CPU utilization on the SNMP device.

Percentage

system.active.cpu

The active CPU utilization on the SNMP device.

Percentage

system.authentication.total.sessions

The total number of authentication sessions on the SNMP device.

Count

system.authentication.active.sessions

The number of active authentication sessions on the SNMP device.

Count

system.authentication.maximum.sessions

The maximum number of authentication sessions on the SNMP device.

Count

http.requests

The number of HTTP requests on the SNMP device.

Count

system.user.cpu

The CPU utilization by user processes on the SNMP device.

Percentage

system.nice.cpu

The CPU utilization by processes with a positive nice value.

Percentage

system.idle.cpu

The CPU idle time on the SNMP device.

Percentage

system.interrupt.cpu

The CPU utilization by interrupt service routines on the SNMP device.

Percentage

system.io.wait.cpu

The CPU utilization by processes waiting for I/O operations.

Percentage

system.total.cpu.cycle

The total CPU cycles on the SNMP device.

Percentage

system.idle.cpu.cycle

The CPU cycles spent in idle state on the SNMP device.

Percentage

system.sleep.cpu.cycle

The CPU cycles spent in sleep state on the SNMP device.

Percentage

Page Title: file-monitoring

On this page

File Monitoring

Overview

â€‹

With Motadata AIOps, organizations can easily monitor files, enabling them to keep a vigilant eye on their critical data and file systems. This integration grants businesses real-time visibility into file activities, changes, and access patterns. It also allows them to proactively detect unauthorized access attempts, monitor file modifications, and receive instant alerts for any suspicious activities. The file monitoring capability empowers organizations to maintain data integrity, ensure compliance, and effectively bolster their security measures.

Prerequisites for File Monitoring Integration with Motadata AIOps

â€‹

Ensure that the path of the file you want to monitor is correctly configured in the File/Directory Settings in Motadata AIOps.

List of Supported KPIs

â€‹

Linux File Monitoring

â€‹

Name

Description

Type

system.file.size.bytes

Size of the system file in bytes

Count

system.file.last.modified.time

Last modified time of the system file

String

system.file.modified.duration.minutes

Duration in minutes since the system file was last modified

Count

system.file.mode.owner

Owner mode of the system file

String

system.file

System file path or name

String

system.file.creation.time

Creation time of the system file

String

system.file.owner

Owner of the system file

String

system.file.mode.group

Group mode of the system file

String

system.file.mode.others

Mode for others (non-owner, non-group) for the system file

String

status

Status of the Linux file

String

Windows File Monitoring

Name

Description

Type

system.file

Path or name of the system file

String

system.file.creation.time

Creation time of the system file

String

system.file.last.access.time

Last access time of the system file

String

system.file.owner

Owner of the system file

String

system.file.last.write.time

Last write time of the system file

String

system.file.last.modified.by

Last modified by user of the system file

String

system.file.size.bytes

Size of the system file in bytes

Count

system.file.directory

Directory where the system file is located

String

status

Status of the system file

String

Page Title: fortinet-firewall

On this page

Fortinet

Overview

â€‹

Fortinet Firewall, the powerful and comprehensive firewall solutions by Fortinet, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and security of their Fortinet Firewalls. Monitor critical firewall metrics such as traffic patterns, connection status, and threat activity to ensure a secure and protected network environment.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

fortinet.ssl.status

Current SSL status of the device.

Unknown

fortinet.ssl.login.users

Number of users logged in via SSL.

Count

fortinet.ssl.active.web.sessions

Total number of active web sessions.

Count

fortinet.ssl.active.tunnels

Count of active SSL tunnels established.

Count

system.cpu.percent

Percentage of CPU usage.

Percentage

system.memory.used.percent

Percentage of memory being used.

Percentage

system.memory.installed.bytes

Total installed memory capacity.

Bytes

fortinet.active.sessions

Total number of active sessions.

Count

fortinet.lowmem.used.percent

Percentage of low memory being used.

Percentage

fortinet.lowmem.capacity.bytes

Total capacity of low memory.

Bytes

system.disk.used.bytes

Amount of disk space used.

Bytes

system.disk.capacity.bytes

Total capacity of the disk.

Bytes

system.disk.free.bytes

Amount of free disk space.

Bytes

system.disk.used.percent

Percentage of disk space being used.

Percentage

fortinet.hardware.sensor.index

Index of the hardware sensor.

Count

fortinet.hardware.sensor

Information about the hardware sensor.

Unknown

fortinet.hardware.sensor.value

Value of the hardware sensor.

Unknown

system.os.version

Operating system version of the device.

String

system.serial.no

Serial number of the device.

String

fortinet.processors

Number of processors in the device.

Count

fortinet.processor.modules

Information about processor modules.

Unknown

fortinet.hardware.sensors

Total number of hardware sensors in the device.

Count

tunnel.life.time.sec

The lifetime duration of the tunnel in seconds.

Count

tunnel.active.time.sec

The time duration that the tunnel has been active in seconds.

Count

tunnel

The identifier or name of the tunnel.

String

tunnel.source.ip.address

The source IP address of the tunnel.

String

tunnel.out.traffic.bytes.rate

The rate of outgoing traffic in bytes per second through the tunnel.

Count

tunnel.in.traffic.bytes.rate

The rate of incoming traffic in bytes per second through the tunnel.

Count

tunnel.destination.ip.address

The destination IP address of the tunnel.

String

tunnel.name

The name or label assigned to the tunnel.

String

tunnel.status

The current status of the tunnel.

String

remote.vpn.active.connections

The number of active VPN connections from remote clients.

Count

remote.vpn.client.in.traffic.bytes.rate

The incoming traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.out.traffic.bytes.rate

The outgoing traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.protocol

The communication protocol used by the VPN client.

String

remote.vpn.client.encryption.algorithm

The encryption algorithm used by the VPN client.

String

remote.vpn.client

The identifier or name of the remote VPN client.

String

remote.vpn.client.duration.sec

The duration of the VPN client connection in seconds.

Count

remote.vpn.client.app.version

The version of the VPN client application.

String

remote.vpn.client.duration

The duration of the VPN client connection.

String

remote.vpn.client.status

The status of the VPN client connection.

String

remote.vpn.user.group

The user group associated with the remote VPN client.

String

remote.vpn.client.app

The application name of the remote VPN client.

String

Page Title: ftp

On this page

FTP

Overview

â€‹

Integrating with FTP (File Transfer Protocol), your AIOps product enhances the monitoring and management capabilities for your file transfer processes, ensuring secure and efficient data exchange.

Prerequisites for FTP Monitoring Integration with Motadata AIOps

â€‹

Ensure that the FTP port (default: 21) is open for the Motadata AIOps server.

Provide the necessary credentials, including the username and password, for Motadata AIOps to access the FTP server.

List of Supported KPIs

â€‹

Name

Description

Type

status

Represents the status of the FTP service.

String

service.check.status

Indicates the status of the service check.

String

service.check.latency.ms

The latency of the service check in milliseconds.

String

ftp.latency.ms

The latency of the FTP connection in milliseconds.

String

Page Title: h3c-router

On this page

New H3C Technologies

Overview

â€‹

New H3C Technologies Router, the advanced and high-performance router solutions by New H3C Technologies (formerly H3C), seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their New H3C Technologies Routers. Monitor critical router metrics such as interface utilization, routing table status, and packet forwarding to ensure smooth and efficient network routing.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.maximum.connections

Maximum number of connections supported.

Count

system.active.connections

Number of active connections.

Count

ipsec.tunnel

IPSec tunnel information.

String

ipsec.tunnel.active.time

Active time of the IPSec tunnel.

String

ipsec.tunnel.interface.index

Interface index of the IPSec tunnel.

Count

ipsec.tunnel.local.address

Local address of the IPSec tunnel.

String

ipsec.tunnel.remote.address

Remote address of the IPSec tunnel.

String

ipsec.tunnel.status

Status of the IPSec tunnel.

String

power.consumption

Power consumption information.

String

power.consumption.current.usage

Current power consumption usage.

Count

power.consumption.average.usage

Average power consumption usage.

Count

power.consumption.peak.usage

Peak power consumption usage.

Count

system.cpu.percent

CPU usage percentage.

Percentage

system.memory.used.percent

Memory usage percentage.

Percentage

system.temperature

Temperature of the system.

Count

system.lldp.admin.status

LLDP admin status of the system.

String

system.cdp.compliance.status

CDP compliance status of the system.

String

bgp.peer

The BGP peer identifier or name.

String

bgp.peer.remote.as

The remote AS number associated with the BGP peer.

Count

bgp.peer.status

The status of the BGP peer (e.g., up, down).

String

bgp.local.peer.address

The local IP address of the BGP peer.

String

bgp.remote.peer.address

The remote IP address of the BGP peer.

String

bgp.peer.time

The time when the BGP peer was established.

String

bgp.peer.updated.time

The time when the BGP peer status was last updated.

String

isis.neighbour.last.up.time

The last time the ISIS neighbour came up.

String

isis.neighbour.hold.time

The hold time of the ISIS neighbour.

String

isis.neighbour.system.type

The system type of the ISIS neighbour.

String

isis.neighbour.3way.state

The 3-way state of the ISIS neighbour.

String

isis.neighbour.state

The state of the ISIS neighbour.

String

isis.neighbour

The identifier or name of the ISIS neighbour.

String

isis.neighbour.protocol

The protocol used by the ISIS neighbour.

String

ospf.neighbour.remote.as

The remote AS number associated with the OSPF neighbour.

String

ospf.neighbour.status

The status of the OSPF neighbour (e.g., up, down).

String

ospf.neighbour

The identifier or name of the OSPF neighbour.

String

ip.route

The IP route entry.

String

ip.route.subnet.mask

The subnet mask associated with the IP route.

String

ip.route.last.updated.sec

The time in seconds since the IP route was last updated.

Count

ip.route.protocol

The routing protocol associated with the IP route.

String

ip.route.metric

The metric value of the IP route.

String

ip.route.type

The type of IP route (e.g., static, dynamic).

String

ip.route.next.hop

The next-hop IP address for the IP route.

String

ip.route.last.updated

The last time the IP route was updated.

String

ip.routing.type

The type of IP routing (e.g., unicast, multicast).

String

ip.route.interface.index

The index of the network interface associated with the IP route.

Count

Page Title: h3c-switch

On this page

Windows New H3C Technologies

Overview

â€‹

New H3C Technologies Switches, the advanced and high-performance network switch solutions by New H3C Technologies (formerly H3C), seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their New H3C Technologies Switches. Monitor critical network switch metrics such as port utilization, link status, and traffic patterns to ensure smooth and efficient network operation.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.maximum.connections

Maximum number of connections supported.

Count

system.active.connections

Number of active connections.

Count

ipsec.tunnel

IPSec tunnel information.

String

ipsec.tunnel.active.time

Active time of the IPSec tunnel.

String

ipsec.tunnel.interface.index

Interface index of the IPSec tunnel.

Count

ipsec.tunnel.local.address

Local address of the IPSec tunnel.

String

ipsec.tunnel.remote.address

Remote address of the IPSec tunnel.

String

ipsec.tunnel.status

Status of the IPSec tunnel.

String

power.consumption

Power consumption information.

String

power.consumption.current.usage

Current power consumption usage.

Count

power.consumption.average.usage

Average power consumption usage.

Count

power.consumption.peak.usage

Peak power consumption usage.

Count

system.cpu.percent

CPU usage percentage.

Percentage

system.memory.used.percent

Memory usage percentage.

Percentage

system.temperature

Temperature of the system.

Count

system.lldp.admin.status

LLDP admin status of the system.

String

system.cdp.compliance.status

CDP compliance status of the system.

String

vlan.name

The name of the VLAN.

String

vlan.status

The status of the VLAN.

String

vlan

The VLAN identifier.

String

vlan.ports

The list of ports associated with the VLAN.

String

vlan.port

The specific port associated with the VLAN.

String

Page Title: haproxy

On this page

HA Proxy

Overview

â€‹

HAProxy, the high-performance and open-source load balancer, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring capabilities. With this integration, organizations gain real-time visibility into the performance and health of their HAProxy instances. Monitor critical load balancing metrics such as request rates, response times, and server statuses to ensure optimal traffic distribution.

Supported Versions

â€‹

Versions

1.6.3(Ubuntu 16)

1.7

1.8.26-1ppa1~trusty(Ubuntu 14)

Prerequisites for HAProxy Integration with Motadata AIOps:

â€‹

Ensure SSH root access or a normal SSH user with sudo privileges for the discovery of the server on which the HA Proxy is installed.

Confirm that the HAProxy service is active and running on the server.

Confirm that the HAProxy process and service are listed in the process and monitor settings of Motadata AIOps. While these may be listed by default, ensure that the names of the service and process match the specific HAProxy version that you intend to monitor.

By adhering to these prerequisites, you can integrate HAProxy with Motadata AIOps and ensure the smooth functioning of the monitoring process.

List of Supported KPIs

â€‹

Name

Description

Type

ha.proxy.backend.server.name

The name of the HA Proxy backend server.

String

ha.proxy.backend.queue.connections

The number of queued connections for the HA Proxy backend.

Count

ha.proxy.backend.queue.maximum.connections

The maximum number of connections allowed in the HA Proxy backend queue.

Count

ha.proxy.backend.session.connections.per.sec

The rate of new session connections per second for the HA Proxy backend.

Count

ha.proxy.backend

The HA Proxy backend.

String

ha.proxy.backend.session.used.percent

The percentage of used sessions in the HA Proxy backend.

Count

ha.proxy.backend.received.bytes.rate

The rate of received bytes in the HA Proxy backend.

Count

ha.proxy.backend.sent.bytes.rate

The rate of sent bytes from the HA Proxy backend.

Count

ha.proxy.backend.denied.requests

The number of denied requests by the HA Proxy backend.

Count

ha.proxy.backend.denied.responses

The number of denied responses by the HA Proxy backend.

Count

ha.proxy.backend.request.errors

The number of errors encountered during requests in the HA Proxy backend.

Count

ha.proxy.backend.response.errors

The number of errors encountered during responses in the HA Proxy backend.

Count

ha.proxy.backend.connection.errors

The number of connection errors in the HA Proxy backend.

Count

ha.proxy.backend.http.client.errors

The number of client errors in the HTTP requests handled by the HA Proxy backend.

Count

ha.proxy.backend.http.server.errors

The number of server errors in the HTTP responses handled by the HA Proxy backend.

Count

ha.proxy.backend.retried.connections

The number of retried connections in the HA Proxy backend.

Count

ha.proxy.backend.redispatch.requests

The number of redispatch requests in the HA Proxy backend.

Count

ha.proxy.backend.status

The status of the HA Proxy backend.

String

ha.proxy.backend.response.time.ms

The response time in milliseconds for the HA Proxy backend.

Count

ha.proxy.backend.queue.response.time.ms

The response time in milliseconds for the HA Proxy backend queue.

Count

ha.proxy.backend.pid

The process ID (PID) of the HA Proxy backend.

Count

ha.proxy.backend.down.time.ms

The downtime in milliseconds for the HA Proxy backend.

Count

ha.proxy.backend.active.servers

The number of active servers in the HA Proxy backend.

Count

ha.proxy.backend.backup.servers

The number of backup servers in the HA Proxy backend.

Count

ha.proxy.backend.last.started.time.sec

The time in seconds when the HA Proxy backend was last started.

Count

ha.proxy.backend.last.started.time

The date and time when the HA Proxy backend was last started.

String

ha.proxy.frontend.server.name

The name of the HA Proxy frontend server.

String

ha.proxy.frontend.queue.connections

The number of queued connections for the HA Proxy frontend.

Count

ha.proxy.frontend.queue.maximum.connections

The maximum number of connections allowed in the HA Proxy frontend queue.

Count

ha.proxy.frontend.session.connections.per.sec

The rate of new session connections per second for the HA Proxy frontend.

Count

ha.proxy.frontend.session.used.percent

The percentage of used sessions in the HA Proxy frontend.

Count

ha.proxy.frontend.received.bytes.rate

The rate of received bytes in the HA Proxy frontend.

Count

ha.proxy.frontend.sent.bytes.rate

The rate of sent bytes from the HA Proxy frontend.

Count

ha.proxy.frontend.denied.requests

The number of denied requests by the HA Proxy frontend.

Count

ha.proxy.frontend.denied.responses

The number of denied responses by the HA Proxy frontend.

Count

ha.proxy.frontend.request.errors

The number of errors in requests to the HA Proxy frontend.

Count

ha.proxy.frontend.response.errors

The number of errors in responses from the HA Proxy frontend.

Count

ha.proxy.frontend.connection.errors

The number of connection errors in the HA Proxy frontend.

Count

ha.proxy.frontend.http.client.errors

The number of HTTP client errors in the HA Proxy frontend.

Count

ha.proxy.frontend.http.server.errors

The number of HTTP server errors in the HA Proxy frontend.

Count

ha.proxy.frontend.retried.connections

The number of retried connections by the HA Proxy frontend.

Count

ha.proxy.frontend.redispatch.requests

The number of requests that were redispatched by the HA Proxy frontend.

Count

ha.proxy.frontend.status

The status of the HA Proxy frontend.

String

ha.proxy.frontend.response.time.ms

The response time in milliseconds for the HA Proxy frontend.

Count

ha.proxy.frontend.queue.response.time.ms

The response time in milliseconds for the HA Proxy frontend queue.

Count

ha.proxy.frontend.pid

The process ID (PID) of the HA Proxy frontend.

Count

ha.proxy.frontend.down.time.ms

The downtime in milliseconds for the HA Proxy frontend.

Count

ha.proxy.frontend.active.servers

The number of active servers in the HA Proxy frontend.

Count

ha.proxy.frontend.backup.servers

The number of backup servers in the HA Proxy frontend.

Count

ha.proxy.frontend.last.started.time.sec

The time in seconds when the HA Proxy frontend was last started.

Count

ha.proxy.frontend.last.started.time

The date and time when the HA Proxy frontend was last started.

String

ha.proxy.frontend

The HA Proxy frontend.

String

system.tags

System tags associated with the HA Proxy.

String

ha.proxy.queue.size

The size of the HA Proxy queue.

Count

ha.proxy.version

The version of the HA Proxy.

String

ha.proxy.name

The name of the HA Proxy.

Count

ha.proxy.release.date

The release date of the HA Proxy.

Count

ha.proxy.num.process

The number of processes running for the HA Proxy.

Count

ha.proxy.pid

The process ID (PID) of the HA Proxy.

Count

ha.proxy.started.time.sec

The time in seconds when the HA Proxy was started.

Count

ha.proxy.started.time

The date and time when the HA Proxy was started.

String

ha.proxy.current.connections

The current number of connections to the HA Proxy.

Count

ha.proxy.current.ssl.connections

The current number of SSL connections to the HA Proxy.

Count

ha.proxy.used.pipes

The number of used pipes in the HA Proxy.

Count

ha.proxy.free.pipes

The number of free pipes in the HA Proxy.

Count

ha.proxy.connections.per.sec

The rate of new connections per second to the HA Proxy.

Count

ha.proxy.sessions.per.sec

The rate of new sessions per second to the HA Proxy.

Count

ha.proxy.tasks

The number of tasks performed by the HA Proxy.

Count

ha.proxy.idle.percent

The percentage of idle time for the HA Proxy.

Count

ha.proxy.session.source

The source of the HA Proxy session.

String

ha.proxy.session.age.sec

The age of the HA Proxy session in seconds.

Count

ha.proxy.session.protocol

The protocol used in the HA Proxy session.

String

ha.proxy.session.srv

The server associated with the HA Proxy session.

Count

ha.proxy.session.frontend

The frontend associated with the HA Proxy session.

Count

ha.proxy.session.backend

The backend associated with the HA Proxy session.

Count

ha.proxy.session.response.read.time.sec

The response read time of the HA Proxy session in seconds.

Count

ha.proxy.session.response.write.time.sec

The response write time of the HA Proxy session in seconds.

Count

ha.proxy.session.request.read.time.sec

The request read time of the HA Proxy session in seconds.

Count

ha.proxy.session.request.write.time.sec

The request write time of the HA Proxy session in seconds.

Count

Page Title: hewlett-switch

On this page

Windows Hewlett Packard Enterprise

Overview

â€‹

Hewlett Packard Switches, the reliable and versatile network switch solutions by Hewlett Packard Enterprise (HPE), seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Hewlett Packard Switches. Monitor critical network switch metrics such as port utilization, link status, and traffic patterns to ensure smooth and efficient network operation.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.cpu.percent

The CPU usage percentage indicates the current CPU load on the device. Higher percentages mean more CPU usage.

Percentage

system.memory.used.percent

The memory usage percentage shows the portion of system memory that is currently in use. Higher values indicate greater memory usage.

Percentage

hp.hardware.sensor.status

The status of hardware sensors on HP devices. Possible values are: 'Unknown', 'Degraded', 'Warning', 'Ok', and 'Not Present'.

String

hp.hardware.sensor.description

Descriptions of hardware sensor status on HP devices.

String

system.hardware.version

The hardware version of the SNMP device.

String

system.serial.number

The unique serial number of the SNMP device.

String

system.device.name

The name of the SNMP device.

String

system.os.version

The version of the operating system running on the SNMP device.

String

power.supply.sensor

Information about the power supply sensor.

String

power.supply.sensor.status

The status of the power supply sensor. Possible values are: 'Not Present', 'Not Plugged', 'Powered', 'Failed', 'Permanent Failure', and 'Maximum'.

String

fan.sensor

Information about the fan sensor.

String

fan.sensor.status

The status of the fan sensor. Possible values are: 'CPU' (if the fan is cooling the CPU) and 'Power' (if the fan is related to power supply).

String

vlan.name

The name of the VLAN.

String

vlan.status

The status of the VLAN.

String

vlan

The VLAN identifier.

String

vlan.ports

The list of ports associated with the VLAN.

String

vlan.port

The specific port associated with the VLAN.

String

Page Title: hp-ux

On this page

HP-UX

Overview

â€‹

HP-UX is a robust and reliable operating system designed by Hewlett Packard Enterprise (HPE) for their server platforms. The Motadata AIOps integration allows seamless monitoring and management of HP-UX servers, providing real-time insights into performance metrics, system logs, and infrastructure health. Proactively detect issues, optimize resources, and ensure smooth operations for critical business efficiency.

List of Supported KPIs

â€‹

HP-UX

â€‹

Name

Description

Type

started.time.sec

Uptime in seconds since the system was started

Count

system.name

Name of the system

String

system.os.name

Name of the operating system

String

system.processor.queue.length

Length of the system processor queue

Count

system.blocked.processes

Number of blocked processes on the system

Count

system.interrupts.per.sec

Number of system interrupts per second

Count

system.cpu.core

Number of CPU cores on the system

Count

system.cpu.kernel.percent

Percentage of CPU kernel time

Count

system.cpu.user.percent

Percentage of CPU user time

Count

system.memory.installed.bytes

Total amount of memory installed on the system

Count

system.disk.used.bytes

Total amount of disk space used on the system

Count

system.disk.used.percent

Percentage of disk space used on the system

Count

system.disk.free.percent

Percentage of free disk space on the system

Count

started.time

Time when the system was started

Count

system.os.version

Version of the operating system

Count

system.cpu.idle.percent

Percentage of CPU idle time

Count

system.memory.used.percent

Percentage of memory used

Count

system.memory.free.percent

Percentage of memory free

Count

system.disk.free.bytes

Free disk space in bytes

Count

system.running.processes

Number of running processes

Count

system.memory.free.bytes

Free memory in bytes

Count

system.disk.io.bytes.per.sec

Disk I/O in bytes per second

Count

system.cpu.io.percent

Percentage of CPU I/O

Count

system.cpu.percent

Percentage of CPU usage

Count

system.context.switches.per.sec

Number of context switches per second

Count

system.memory.used.bytes

Used memory in bytes

Count

system.disk.capacity.bytes

Disk capacity in bytes

Count

HP-UX CPU Core

â€‹

Name

Description

Type

system.cpu.core.idle.percent

The percentage of time the CPU core is idle

Count

system.cpu.core.percent

The percentage of time the CPU core is used

Count

system.cpu.core.user.percent

The percentage of time the CPU core is used by user processes

Count

system.cpu.core

The number of CPU cores

Count

system.cpu.core.io.percent

The percentage of time the CPU core is used for I/O operations

Count

HP-UX Disk

â€‹

Name

Description

Type

system.disk.volume

The name of the system disk volume

String

system.disk.volume.capacity.bytes

The capacity of the system disk volume in bytes

Count

system.disk.volume.used.bytes

The amount of used space on the system disk volume in bytes

Count

system.disk.volume.free.bytes

The amount of free space on the system disk volume in bytes

Count

system.disk.volume.used.percent

The percentage of used space on the system disk volume

Count

system.disk.volume.free.percent

The percentage of free space on the system disk volume

Count

system.disk

The name of the system disk

String

system.disk.bytes.per.sec

The rate at which data is read from and written to the system disk in bytes per second

Count

HP-UX Process

Name	Description	Type
system.process.id	The ID of the system process.	Count
system.process.user	The user associated with the system process.	String
system.process.cpu.percent	The percentage of CPU used by the system process.	Count

system.process.uptime.sec

The uptime of the system process in seconds.

Count

system.process.command

The command used to start the system process.

String

system.process.memory.used.percent

The percentage of memory used by the system process.

Count

system.process

The name of the system process.

String

system.process.virtual.memory.bytes

The amount of virtual memory used by the system process.

Count

system.process.uptime

The uptime of the system process.

String

system.process.memory.used.bytes

The amount of memory used by the system process.

Count

status

The status of the system process.

String

Page Title: hpeilo

On this page

HPE iLO

Overview

â€‹

Motadata AIOps provides extensive monitoring capabilities for HPE iLO. Using SNMP (Simple Network Management Protocol), this integration collects and reports various metrics

related to system health, including CPU and memory usage, hardware sensor statuses, power supply information, fan speeds, temperature readings, and physical drive conditions.

This allows IT administrators to ensure optimal performance, detect potential issues early, and maintain a high level of operational reliability.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Name

Description

Type

power.supply.sensor

Power supply sensor data.

String

power.supply.sensor.status

Status of the power supply sensor.

String

fan.sensor

Fan sensor data.

String

fan.sensor.status

Status of the fan sensor.

String

memory.device.number

Number identifying the memory device.

Count

memory.device.capacity.bytes

Capacity of the memory device in bytes.

Count

memory.device.type

Type of the memory device.

String

memory.device

Memory device data.

String

memory.device.current.status

Current status of the memory device.

String

power.supply.sensor.instance

Instance key for the power supply sensor.

String

power.supply.sensor.chassis.number

Chassis number for the power supply sensor.

Count

power.supply.sensor.main.mill.volts

Main voltage in millivolts for the power supply sensor.

Count

power.supply.sensor.capacity.used.mill.watts

Capacity used in milliwatts for the power supply sensor.

Count

power.supply.sensor.model

Model of the power supply sensor.

String

power.supply.sensor.serial.number

Serial number of the power supply sensor.

String

power.supply.sensor.hardware.location

Hardware location of the power supply sensor.

String

physical.drive

Physical drive data.

String

physical.drive.status

Status of the physical drive.

String

physical.drive.condition

Condition of the physical drive.

String

physical.drive.capacity.bytes

Capacity of the physical drive in bytes.

Count

physical.drive.configuration.status

Configuration status of the physical drive.

String

physical.drive.type

Type of the physical drive.

String

temperature.sensor

Temperature sensor data.

String

temperature.sensor.system.location

System location of the temperature sensor.

String

temperature.sensor.current.temperature.celsius

Current temperature in Celsius reported by the sensor.

Count

temperature.sensor.condition

Condition of the temperature sensor.

String

fan.sensor.chassis.number

Chassis number for the fan sensor.

Count

fan.sensor.system.location

System location of the fan sensor.

String

fan.sensor.type

Type of the fan sensor.

String

fan.sensor.condition

Condition of the fan sensor.

String

fan.sensor.current.speed.rpm

Current speed of the fan in RPM.

Count

processor.device

Processor device data.

String

processor.device.status

Status of the processor device.

String

processor.device.core

Number of cores in the processor device.

Count

processor.device.serial.number

Serial number of the processor device.

String

processor.device.max.speed.mhz

Maximum speed of the processor in MHz.

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

Page Title: huawei-router

On this page

Huawei

Overview

â€‹

Huawei Router, the reliable and high-performance router solutions by Huawei Technologies, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Huawei Routers. Monitor critical router metrics such as interface utilization, routing table status, and packet forwarding to ensure smooth and efficient network routing.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.storage

The total storage capacity of the device.

count

system.storage.type

The type of storage (e.g., HDD, SSD) used in the device.

string

system.storage.total

The total storage capacity in bytes.

count

system.storage.used.percent

The percentage of storage used in the device.

percentage

system.storage.name

The name of the storage device.

string

system.storage.description

Description of the storage device.

string

fan.sensor

The fan sensor status.

string

fan.sensor.speed.percent

The fan speed as a percentage of maximum speed.

percentage

fan.sensor.state

The state of the fan (e.g., running, stopped).

string

fan.sensor.description

Description of the fan sensor.

string

power

The power status of the device.

string

power.used

The amount of power used by the device.

count

power.total

The total power capacity of the device.

count

power.reserved

The reserved power capacity for the device.

count

system.disk

The status of the disk in the device.

string

system.disk.port.type

The type of port used for the disk.

string

system.disk.port.speed

The speed of the disk port.

count

system.disk.size

The total size of the disk in bytes.

count

system.disk.free.size

The free size of the disk in bytes.

count

system.disk.location.state

The location state of the disk.

string

system.disk.read.cache

The read cache status of the disk.

string

system.disk.write.cache

The write cache status of the disk.

string

system.disk.power.Off.reason

The reason for disk power-off.

string

temperature.sensor

The temperature sensor status.

string

temperature.sensor.address

The address of the temperature sensor.

string

temperature.sensor.status

The status of the temperature sensor (e.g., normal, critical).

string

temperature.sensor.value

The temperature value in degrees Celsius.

count

voltage.sensor

The voltage sensor status.

string

voltage.sensor.address

The address of the voltage sensor.

string

voltage.sensor.status

The status of the voltage sensor (e.g., normal, critical).

string

voltage.sensor.volt

The voltage value in volts.

count

memory.buffer

The memory buffer status.

string

memory.buffer.total

The total memory buffer size in bytes.

count

memory.buffer.used.percent

The percentage of memory buffer used.

percentage

memory.buffer.free.percent

The percentage of free memory buffer.

percentage

system.cpu.percent

The CPU utilization percentage of the device.

percentage

system.5min.avg.cpu.percent

The 5-minute average CPU utilization percentage.

percentage

system.1min.avg.cpu.percent

The 1-minute average CPU utilization percentage.

percentage

system.memory.used.percent

The percentage of memory used in the device.

percentage

system.temperature

The temperature of the device.

count

bgp.peer

The BGP peer identifier or name.

String

bgp.peer.remote.as

The remote AS number associated with the BGP peer.

Count

bgp.peer.status

The status of the BGP peer (e.g., up, down).

String

bgp.local.peer.address

The local IP address of the BGP peer.

String

bgp.remote.peer.address

The remote IP address of the BGP peer.

String

bgp.peer.time

The time when the BGP peer was established.

String

bgp.peer.updated.time

The time when the BGP peer status was last updated.

String

isis.neighbour.last.up.time

The last time the ISIS neighbour came up.

String

isis.neighbour.hold.time

The hold time of the ISIS neighbour.

String

isis.neighbour.system.type

The system type of the ISIS neighbour.

String

isis.neighbour.3way.state

The 3-way state of the ISIS neighbour.

String

isis.neighbour.state

The state of the ISIS neighbour.

String

isis.neighbour

The identifier or name of the ISIS neighbour.

String

isis.neighbour.protocol

The protocol used by the ISIS neighbour.

String

ospf.neighbour.remote.as

The remote AS number associated with the OSPF neighbour.

String

ospf.neighbour.status

The status of the OSPF neighbour (e.g., up, down).

String

ospf.neighbour

The identifier or name of the OSPF neighbour.

String

ip.route

The IP route entry.

String

ip.route.subnet.mask

The subnet mask associated with the IP route.

String

ip.route.last.updated.sec

The time in seconds since the IP route was last updated.

Count

ip.route.protocol

The routing protocol associated with the IP route.

String

ip.route.metric

The metric value of the IP route.

String

ip.route.type

The type of IP route (e.g., static, dynamic).

String

ip.route.next.hop

The next-hop IP address for the IP route.

String

ip.route.last.updated

The last time the IP route was updated.

String

ip.routing.type

The type of IP routing (e.g., unicast, multicast).

String

ip.route.interface.index

The index of the network interface associated with the IP route.

Count

Page Title: huawei-switch

On this page

Huawei

Overview

â€‹

Huawei Switch, the reliable and high-performance network switch solutions by Huawei Technologies, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Huawei Switches. Monitor critical network switch metrics such as port utilization, link status, and traffic patterns to ensure smooth and efficient network operation.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.storage

The total storage capacity of the device.

count

system.storage.type

The type of storage (e.g., HDD, SSD) used in the device.

string

system.storage.total

The total storage capacity in bytes.

count

system.storage.used.percent

The percentage of storage used in the device.

percentage

system.storage.name

The name of the storage device.

string

system.storage.description

Description of the storage device.

string

fan.sensor

The fan sensor status.

string

fan.sensor.speed.percent

The fan speed as a percentage of maximum speed.

percentage

fan.sensor.state

The state of the fan (e.g., running, stopped).

string

fan.sensor.description

Description of the fan sensor.

string

power

The power status of the device.

string

power.used

The amount of power used by the device.

count

power.total

The total power capacity of the device.

count

power.reserved

The reserved power capacity for the device.

count

system.disk

The status of the disk in the device.

string

system.disk.port.type

The type of port used for the disk.

string

system.disk.port.speed

The speed of the disk port.

count

system.disk.size

The total size of the disk in bytes.

count

system.disk.free.size

The free size of the disk in bytes.

count

system.disk.location.state

The location state of the disk.

string

system.disk.read.cache

The read cache status of the disk.

string

system.disk.write.cache

The write cache status of the disk.

string

system.disk.power.Off.reason

The reason for disk power-off.

string

temperature.sensor

The temperature sensor status.

string

temperature.sensor.address

The address of the temperature sensor.

string

temperature.sensor.status

The status of the temperature sensor (e.g., normal, critical).

string

temperature.sensor.value

The temperature value in degrees Celsius.

count

voltage.sensor

The voltage sensor status.

string

voltage.sensor.address

The address of the voltage sensor.

string

voltage.sensor.status

The status of the voltage sensor (e.g., normal, critical).

string

voltage.sensor.volt

The voltage value in volts.

count

memory.buffer

The memory buffer status.

string

memory.buffer.total

The total memory buffer size in bytes.

count

memory.buffer.used.percent

The percentage of memory buffer used.

percentage

memory.buffer.free.percent

The percentage of free memory buffer.

percentage

system.cpu.percent

The CPU utilization percentage of the device.

percentage

system.5min.avg.cpu.percent

The 5-minute average CPU utilization percentage.

percentage

system.1min.avg.cpu.percent

The 1-minute average CPU utilization percentage.

percentage

system.memory.used.percent

The percentage of memory used in the device.

percentage

system.temperature

The temperature of the device.

count

vlan.name

The name of the VLAN.

String

vlan.status

The status of the VLAN.

String

vlan

The VLAN identifier.

String

vlan.ports

The list of ports associated with the VLAN.

String

vlan.port

The specific port associated with the VLAN.

String

Page Title: hyper-v

On this page

Hyper-V

Overview

â€‹

Hyper-V is a virtualization technology developed by Microsoft for Windows-based operating systems. It allows users to create and manage virtual machines (VMs) on a single physical server, enabling multiple operating systems and applications to run independently on the same hardware.

Prerequisites for Hyper-V Integration with Motadata AIOps

â€‹

Confirm that the Hyper-V service is running on the specified server.

Provide the necessary credentials, including the username and password, for Motadata AIOps to connect to the Hyper-V server.

Ensure that port 5985 is open on the Hyper-V server for communication.

By meeting these prerequisites, you can integrate Hyper-V with Motadata AIOps and enable effective monitoring and management of your Hyper-V environment.

List of Supported KPIs

â€‹

Hyper-V

â€‹

Metrics	Description	Type
system.tags	The system tags associated with the hypervisor	String

hyperv.1g.gpa.pages

The number of 1GB guest physical address (GPA) pages allocated

Count

hyperv.2m.gpa.pages

The number of 2MB GPA pages allocated

Count

hyperv.4k.gpa.pages

The number of 4KB GPA pages allocated

Count

started.time

The date and time the hypervisor was started

String

started.time.sec

The number of seconds since the hypervisor was started

Count

hyperv.partitions

The number of partitions running on the hypervisor

Count

hyperv.context.switches.per.sec

The number of context switches made per second

Count

hyperv.interrupts.per.sec

The number of interrupts received per second

Count

hyperv.guest.cpu.percent

The percentage of CPU used by guest virtual machines

Count

hyperv.hypervisor.cpu.percent

The percentage of CPU used by the hypervisor itself

Count

hyperv.cpu.percent

The total percentage of CPU used by the hypervisor and its guest virtual machines

Count

hyperv.guest.virtual.cpu.percent

Guest Virtual CPU usage as a percentage

Count

hyperv.hypervisor.virtual.cpu.percent

Hypervisor Virtual CPU usage as a percentage

Count

hyperv.virtual.cpu.percent

Total Virtual CPU usage as a percentage

Count

hyperv.virtual.root.guest.cpu.percent

Virtual Root Guest CPU usage as a percentage

Count

hyperv.virtual.root.hypervisor.cpu.percent

Virtual Root Hypervisor CPU usage as a percentage

Count

hyperv.virtual.root.cpu.percent

Total Virtual Root CPU usage as a percentage

Count

hyperv.cpu.idle.percent

CPU idle time as a percentage

Count

hyperv.logical.processors

Number of logical processors

Count

hyperv.virtual.processors

Number of virtual processors

Count

hyperv.monitored.notifications

Number of monitored notifications

Count

hyperv.pages

Number of pages

Count

hyperv.deposited.pages

Number of deposited pages

Count

hyperv.virtual.tlb.flush.entries

Number of virtual TLB flush entries

Count

Hyperv Recommended Virtual Tlb Size

Recommended size of the virtual TLB for Hyper-V

Count

Hyperv Gpa Space Modifications

Number of changes made to the guest physical address (GPA) space

Count

Hyperv Address Spaces

Number of guest address spaces used in Hyper-V

Count

Hyperv Gpa Pages

Number of GPA pages used in Hyper-V

Count

Hyperv Virtual Tlb Pages

Number of virtual TLB pages used in Hyper-V

Count

Hyperv Average Pressure

Average memory pressure experienced by Hyper-V

Count

Hyperv Memory Available Bytes

Amount of memory available for Hyper-V guests

Count

Hyperv Memory Allocated Available Bytes

Amount of memory available for allocation to new Hyper-V guests

Count

Hyperv Cache Memory Bytes

Amount of cache memory used by Hyper-V guests

Count

Hyperv Physical Allocated Pages

Number of physical pages allocated to Hyper-V guests

Count

Hyperv Remote Physical Pages

Number of remote physical pages used by Hyper-V guests

Count

Hyperv Paged Memory Bytes

Amount of paged memory used by Hyper-V guests

Count

Hyperv Memory Committed Bytes

Total number of bytes of memory that have been committed

Count

Hyperv Pages Per Sec

Number of pages read from or written to disk per second

Count

Hyperv Memory Free Bytes

Total number of bytes of free memory

Count

Hyperv Non Paged Memory Bytes

Total number of bytes of non-paged memory

Count

Hyperv Version

Version number of the Hyperv software

String

Hyperv Virtual Machines

Total number of virtual machines

Count

Hyperv Running Virtual Machines

Total number of running virtual machines

Count

Hyperv Network In Bytes Per Sec

Number of bytes received over the network per second

Count

Hyperv Network Out Bytes Per Sec

Number of bytes sent over the network per second

Count

Hyperv Network Bytes Per Sec

Total number of bytes of network traffic per second

Count

Hyperv Network Output Queue Length

Number of packets waiting in the output queue of the network adapter

Count

Hyperv Disk Io Queue Length

Number of requests waiting for disk access

Count

Hyperv Disk Io Bytes Per Sec

Number of bytes read from or written to disk per second

Count

Hyperv Disk Io Time Percent

Percentage of time that the disk is busy with I/O requests

Count

hyperv.disk.io.ops.per.sec

Total disk input/output operations per second

Count

hyperv.disk.io.write.bytes.per.sec

Total bytes written to disk per second

Count

hyperv.disk.io.read.bytes.per.sec

Total bytes read from disk per second

Count

hyperv.disk.io.read.ops.per.sec

Total read operations from disk per second

Count

hyperv.disk.io.write.ops.per.sec

Total write operations to disk per second

Count

hyperv.disk.capacity.bytes

Total capacity of the disk in bytes

Count

hyperv.disk.free.bytes

Total free space available on the disk

Count

hyperv.disk.used.bytes

Total used space on the disk in bytes

Count

hyperv.disk.used.percent

Percentage of disk space used

Count

hyperv.disk.free.percent

Percentage of free disk space available

Count

hyperv.vm

Total number of virtual machines

Count

hyperv.vm.power.state

Power state of the virtual machine

Count

hyperv.vm.ip

IP address of the virtual machine

Count

Hyper-V Virtual Machine

‌

Name

Description

Type

Hyperv Vm Deposited Pages

Number of pages deposited in the guest

Count

Hyperv Vm 1g Gpa Pages

Number of 1 GB GPA pages used in the guest

Count

Hyperv Vm 2m Gpa Pages

Number of 2 MB GPA pages used in the guest

Count

Hyperv Vm 4k Gpa Pages

Number of 4 KB GPA pages used in the guest

Count

Hyperv Vm Virtual Tlb Flush Entires

Number of virtual TLB flush entries

Count

Hyperv Vm Recommended Virtual Tlb...

Recommended virtual TLB size for the guest

Count

Hyperv Vm Gpa Space Modifications

Number of GPA space modifications

Count

Hyperv Vm Address Spaces

Number of GPA address spaces in the guest

Count

Hyperv Vm Gpa Pages

Total number of GPA pages used in the guest

Count

Hyperv Vm Virtual Tlb Pages

Total number of virtual TLB pages used

Count

Hyperv Vm Average Pressure Percent

Average memory pressure in percent

Count

Hyperv Vm Current Pressure

Current memory pressure in percent

Count

Hyperv Vm Maximum Pressure Percent

Maximum memory pressure in percent

Count

Hyperv Vm Minimum Pressure Percent

Minimum pressure experienced by a virtual machine

Count

Hyperv Vm Memory Free Bytes

Amount of memory currently free on a virtual machine

Count

Hyperv Vm Physical Allocated Pages

Number of physical pages allocated to a virtual machine

Count

Hyperv Vm Remote Physical Pages

Number of remote physical pages used by a virtual machine

Count

Hyperv Vm Ide Controller Read Sectors Per Sec

Number of read sectors per second on an IDE controller

Count

Hyperv Vm Ide Controller Write Sectors Per Sec

Number of write sectors per second on an IDE controller

Count

Hyperv Vm Ide Controller Write Bytes Per Sec

Number of bytes written per second on an IDE controller

Count

Hyperv Vm Ide Controller Read Bytes Per Sec

Number of bytes read per second on an IDE controller

Count

Hyperv Vm Guest Cpu Percent

Percentage of CPU usage by the guest operating system

Count

Hyperv Vm Hypervisor Cpu Percent

Percentage of CPU usage by the hypervisor

Count

Hyperv Vm Cpu Percent

Percentage of total CPU usage by the virtual machine

Count

Hyperv Vm Virtual Processors

Number of virtual processors assigned to a virtual machine

Count

Hyperv Vm Idle Cpu Percent

Measure of the percentage of idle CPU time for a VM

Count

Hyperv Vm Uptime Sec

Amount of time a VM has been running in seconds

Count

Hyperv Vm Uptime

Amount of time a VM has been running

String

Hyperv Vm Power State

Indicates whether the VM is running or stopped

Count

Hyperv Vm Ip

IP address of the VM

Count

Hyperv Vm Disk Io Read Ops Rate

Number of disk I/O read operations per second

Count

Hyperv Vm Disk Io Write Ops Rate

Number of disk I/O write operations per second

Count

Hyperv Vm Disk Io Read Bytes Per Sec

Number of bytes read from disk per second

Count

Hyperv Vm Disk Io Write Bytes Per Sec

Number of bytes written to disk per second

Count

Hyperv Vm Disk Io Flushes

Number of disk I/O flush operations

Count

Hyperv Vm Disk Io Errors

Number of disk I/O errors

Count

Hyperv Vm Disk Io Queue Size

Size of the disk I/O queue

Count

Hyperv Vm Network Bytes Per Sec

Number of network bytes transferred per second

Count

Hyperv Vm Network Packets Per Sec

Number of network packets transferred per second

Count

Vm Version

Version of the VM operating system

String

Hyper-V Config

â€‹

Metrics

Description

Type

hyperv.name

The name of the Hyper-V.

String

hyperv.physical.processors

The count of physical processors.

Count

hyperv.vendor

The name of the vendor.

String

hyperv.model

The name of the model.

String

hyperv.cpu.type

String

hyperv.memory.installed.bytes

The memory installed in the Hyper-V.

Bytes

hyperv.memory.available.bytes

The memory available in the Hyper-V.

Bytes

hyperv.memory.used.bytes

The total amount of used memory on the Hyper-V.

Bytes

hyperv.memory.used.percent

The percentage of used memory out of total memory on the Hyper-V.

Percentage

hyperv.os.name

The name of the operating system.

String

hyperv.os.version

The version of the operating system.

String

hyperv.os.service.pack

The service pack of the operating system.

Count

hyperv.cpu.cores

The count of cores on the CPU.

Count

hyperv.cpu.description

The description of the CPU.

String

Hyper-V Service

â€‹

Metrics	Description	Type
hyperv.service	The name of the service.	String
hyperv.service.display.name	The display name of the service.	String
hyperv.service.description	The description of the service.	String
hyperv.service.status	The status of service.	String
hyperv.service.startup.type		

Auto if the service starts running on system startup.Manual if the service has to be manually started by the user.

String

Hyper-V Network

â€‹

Metrics

Description

Type

hyperv.network.interface

The name of the interface

Count

hyperv.network.interface.in.bytes.per.sec

The number of bytes received on the interface per second.

Rate

hyperv.network.interface.out.bytes.per.sec

The number of bytes sent on the interface per second.

Rate

hyperv.network.interface.bytes.per.sec

The number of bytes sent and received on the interface per second.

Rate

hyperv.virtual.network.interface

The name of the virtual network interface.

String

hyperv.virtual.network.interface.packets.per.sec

The number of packets transferred in and out of a virtual network interface per second.

Rate

hyperv.virtual.network.interface.bytes.per.sec

The data transferred in and out of a virtual network interface per second.

Rate

hyperv.network.virtual.switch

The name of the virtual switch.

String

hyperv.network.virtual.switch.bytes.per.sec

The data transferred in and out of a virtual switch per second.

Rate

hyperv.network.virtual.switch.packets.per.sec

The number of packets transferred in and out of a virtual switch per second.

Rate

Hyper-V Storage

â€‹

Metrics

Description

Type

hyperv.virtual.ide.controller

The name of the controller

String

hyperv.virtual.ide.controller.read.bytes.per.sec

The bytes transferred per second doing read operations from the disk on the controller.

Rate

hyperv.virtual.ide.controller.write.bytes.per.sec

The bytes transferred per second doing write operations to the disk on the controller.

Rate

hyperv.virtual.ide.controller.read.sectors.per.sec

Rate

hyperv.virtual.ide.controller.write.sectors.per.sec

Rate

hyperv.virtual.storage.device

The name of the virtual storage device.

String

hyperv.virtual.storage.device.read.ops.rate

The count of operations doing read operations from the virtual disk per second.

Rate

hyperv.virtual.storage.device.write.ops.rate

The count of operations doing write operations on the virtual disk per second.

Rate

hyperv.virtual.storage.device.read.bytes.per.sec

The bytes transferred doing read operations from the virtual disk per second.

Rate

hyperv.virtual.storage.device.write.bytes.per.sec

The bytes transferred doing write operations on the virtual disk per second.

Rate

hyperv.virtual.storage.device.flushes

The count of flushes on the virtual disk.

Count

hyperv.virtual.storage.device.errors

The count of errors on the virtual disk.

Count

hyperv.virtual.storage.device.queue.length

hyperv.disk.volume

The name of the disk.

String

hyperv.disk.volume.capacity.bytes

The disk capacity

Bytes

hyperv.disk.volume.used.bytes

The amount of used space in the disk.

Bytes

hyperv.disk.volume.free.bytes

The amount of free space in the disk.

Bytes

hyperv.disk.volume.used.percent

The percentage of used space on the disk .

Percentage

hyperv.disk.volume.free.percent

The percentage of free space on the disk .

Percentage

hyperv.disk

The name of the disk.

String

hyperv.disk.read.bytes.per.sec

The bytes transferred doing read operations from the disk per second.

Rate

hyperv.disk.write.bytes.per.sec

The bytes transferred doing write operations on the disk per second.

Rate

hyperv.disk.bytes.per.sec

The bytes transferred doing I/O operations to and from the disk per second.

Rate

hyperv.disk.write.ops.per.sec

The write operations per second on the disk.

Rate

hyperv.disk.read.ops.per.sec

The read operations per second on the disk.

Rate

hyperv.disk.read.time.percent

The percentage of time spent doing read operations on the disk.

Percentage

hyperv.disk.write.time.percent

The percentage of time spent doing write operations on the disk.

Percentage

hyperv.disk.queue.length

The queue length of IO requests issued to your device.

Count

hyperv.disk.ops.per.sec

The I/O operations per second on the disk.

Rate

hyperv.disk.time.percent

The percentage of time spent doing I/O operations on the disk.

Percentage

Page Title: hyper-v-cluster

On this page

Hyper-V Cluster

Overview

â€‹

A Hyper-V Cluster, also known as a failover cluster, is a group of two or more physical servers (nodes) running Microsoft Hyper-V that work together to provide high availability for virtual machines. By forming a cluster, these servers create a resilient and fault-tolerant environment, ensuring continuous operation of virtual machines even if one of the nodes experiences hardware failure or needs maintenance.

Prerequisites for Hyper-V Cluster Integration with Motadata AIOps

â€‹

Confirm that the Hyper-V service is running on the specified server within the Hyper-V cluster.

Provide the necessary credentials, including the username and password, for Motadata AIOps to connect to the Hyper-V cluster server.

Ensure that port 5985 is open on the Hyper-V cluster server for communication.

By fulfilling these prerequisites, you can integrate Hyper-V Cluster with Motadata AIOps and ensure effective monitoring and management of your Hyper-V cluster environment.

List of Supported KPIs

â€‹

Hyper-V Cluster

â€‹

Metrics

Description

Type

hyperv.cluster.logical.processors

The count of logical processors on the cluster.

Count

hyperv.cluster.disk.used.bytes

The amount of used disk space on the cluster.

Bytes

hyperv.cluster.memory.used.bytes

The amount of used memory on the cluster.

Count

hyperv.cluster.memory.installed.bytes

The memory installed in the cluster.

Bytes

hyperv.cluster.disk.used.percent

The percentage of used disk space out of the total disk space on the cluster.

Percentage

hyperv.cluster.disk.free.percent

The percentage of free disk space out of the total disk space on the cluster.

Percentage

hyperv.cluster.nodes

The count of nodes on the cluster.

Count

hyperv.cluster.cpu.cores

The count of CPU cores on the cluster.

Count

hyperv.cluster.memory.free.bytes

The amount of free memory on the cluster.

Bytes

hyperv.cluster.disk.capacity.bytes

The disk capacity of the cluster.

Bytes

hyperv.cluster.virtual.machines

The count of virtual machines on the cluster.

Count

hyperv.cluster.memory.used.percent

The percentage of used memory out of total memory on the cluster.

Percentage

hyperv.cluster.quorum.path

The path where the quorum is located on the cluster

String

hyperv.cluster.disk.free.bytes

The amount of free disk space on the cluster.

Count

hyperv.cluster.node

The name of a node on the cluster

Count

hyperv.cluster.node.memory.used.bytes

The total amount of used memory for the node.

Count

hyperv.cluster.node.state

The state of a node on the cluster.

Count

hyperv.cluster.node.logical.processors

The count of logical processors on the node.

Count

hyperv.cluster.node.ip.address

The IP address of the node.

Count

hyperv.cluster.node.memory.used.percent

The percentage of used memory out of total memory on the node.

Count

hyperv.cluster.node.cpu.cores

The number of CPU cores on the node.

Count

hyperv.cluster.node.memory.installed.bytes

The memory installed in the node.

Count

hyperv.cluster.node.memory.free.bytes

The total amount of free memory on the node.

Count

hyperv.cluster.node.virtual.machines

The count of virtual machines on the node.

Count

hyperv.cluster.node.running.virtual.machines

The count of running virtual machines on the node.

Count

hyperv.cluster.vm

The name of the virtual machine.

Count or string?

hyperv.cluster.vm.power.state

The power state of the virtual machine.

Count or string?

hyperv.cluster.vm.id

The virtual machine ID.

Count

hyperv.cluster.vm.adapter.connected

This shows whether an adapter is connected to the virtual machine. Yes indicates the adapter is connected to the virtual machine while No indicates that it is not.

Count

hyperv.cluster.vm.clustered

This shows whether the virtual machine is clustered. True indicates the virtual machine is clustered while No indicates that it is not.

Count

hyperv.cluster.vm.startup.memory.bytes

The startup memory configured on the virtual machine.

Bytes

hyperv.cluster.vm.minimum.memory.bytes

The minimum memory configured on the virtual machine.

Count

hyperv.cluster.vm.maximum.memory.bytes

The maximum memory configured on the virtual machine.

Count

hyperv.cluster.vm.server

The name of the server.

Count

hyperv.cluster.vm.memory.demand.bytes

The demand memory configured on the virtual machine.

Count

hyperv.cluster.vm.processor

The count of processor on the virtual machine.

Count

hyperv.cluster.vm.ip

The IP address of the host on which virtual machine is running.

Count

hyperv.cluster.vm.server.ip

The IP address of the server on which virtual machine is running.

Count

hyperv.cluster.vm

The name of the virtual machine.

Count

hyperv.cluster.vm.power.state

The power state of the virtual machine.

Count

hyperv.cluster.vm.server

The name of the server on which virtual machine is running.

Count

hyperv.cluster.vm.uptime.sec

The time(in seconds) for which the virtual machine has been running.

Count

hyperv.cluster.vm.uptime

The time for which the virtual machine has been running.

Count

hyperv.cluster.vm.memory.free.bytes

The amount of free memory on the virtual machine.

Count

Hyper-V Cluster Storage

â€‹

Metrics

Description

Type

hyperv.cluster.disk.volume

The name of the disk volume.

Count or string?

hyperv.cluster.disk.volume.used.percent

The percentage of disk volume used.

Count or string?

hyperv.cluster.disk.volume.free.percent

The percentage of free space on the disk .

Count or string?

hyperv.cluster.disk.volume.file.system

The file system of the disk volume.

String

hyperv.cluster.disk.volume.type

The type of the disk volume.Physical Disk if the disk volume is a physical disk.Virtual Disk if the disk volume is a virtual disk.

String

hyperv.cluster.disk.volume.free.bytes

The amount of free space in the disk volume.

Bytes

hyperv.cluster.disk.volume.used.bytes

The amount of used space in the disk volume.

Bytes

hyperv.cluster.disk.volume.state

Count

hyperv.cluster.disk.volume.cluster.shared

True if the disk volume is shared with other nodes.False if the disk volume is not shared with other

nodes.

String

hyperv.cluster.disk.volume.owner.node

The owner node of the disk volume.

String

hyperv.cluster.disk.volume.capacity.bytes

The total capacity of the disk volume

Bytes

hyperv.cluster.disk.volume.label

The label of the disk volume.

String

Page Title: IBM-AIX

On this page

IBM-AIX

Overview

â€‹

IBM-AIX is a powerful and dependable operating system developed by IBM for their server environments. The integration with Motadata AIOps empowers effortless monitoring and administration of IBM-AIX servers, delivering real-time visibility into performance metrics, system logs, and overall infrastructure well-being. Stay ahead of potential problems, fine-tune resource utilization, and guarantee seamless operations to maximize business productivity.

List of Supported KPIs

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IBM-AIX

â€‹

Name

Description

Type

system.cpu.idle.percent

The percentage of time the CPU is idle

Count

system.cpu.percent

The percentage of time the CPU is busy

Count

system.disk.capacity.bytes

The total capacity of the disk in bytes

Count

system.disk.used.percent

The percentage of disk space used

Count

system.os.version

The version of the operating system

Count

system.cpu.user.percent

The percentage of time the CPU is being used by user processes

Count

system.disk.free.bytes

The amount of free disk space in bytes

Count

system.disk.free.percent

The percentage of free disk space

Count

system.memory.installed.bytes

The total installed memory in bytes

Count

system.memory.used.percent

The percentage of memory being used

Count

system.threads

The number of threads running on the system

Count

system.cpu.cores

The number of CPU cores on the system

Count

system.disk.used.bytes

The amount of disk space used by the system.

Count

system.memory.used.bytes

The amount of memory used by the system.

Count

system.running.processes

The number of running processes on the system.

Count

started.time.sec

The amount of time (in seconds) since the system started.

Count

system.disk.io.bytes.per.sec

The rate of disk I/O (in bytes per second) on the system.

Count

system.cpu.kernel.percent

The percentage of CPU usage used by the kernel.

Count

system.cpu.io.percent

The percentage of CPU time spent handling I/O requests.

Count

system.memory.free.bytes

The amount of free memory available on the system.

Count

system.name

The name of the system.

String

started.time

The date and time when the system started.

String

system.network.in.bytes.rate

The rate of incoming network traffic (in bytes per second) on the system.

String

system.network.out.bytes.rate

The rate of outgoing network traffic (in bytes per second) on the system.

String

system.network.bytes.rate

The total rate of network traffic (in bytes per second) on the system.

String

IBM-AIX CPU Core

â€‹

Name

Description

Type

system.cpu.core.idle.percent

Percentage of time CPU core is idle

Count

system.cpu.core.percent

Percentage of time CPU core is in use

Count

system.cpu.core.user.percent

Percentage of time CPU core is in user

Count

system.cpu.core

Number of CPU cores

Count

system.cpu.core.io.percent

Percentage of time CPU core is in I/O

Count

IBM-AIX Disk

Name

Description

Type

system.disk

The name of the system disk.

String

system.disk.bytes.per.sec

The rate at which bytes are transferred to or from the disk.

Count

system.disk.volume

The name of the system disk volume.

String

system.disk.volume.capacity.bytes

The capacity of the system disk volume in bytes.

Count

system.disk.volume.used.bytes

The amount of disk space used in the system disk volume in bytes.

Count

system.disk.volume.free.bytes

The amount of free disk space available in the system disk volume in bytes.

Count

system.disk.volume.used.percent

The percentage of disk space used in the system disk volume.

Count

system.disk.volume.free.percent

The percentage of free disk space available in the system disk volume.

Count

IBM-AIX Network Interface

â€‹

Name

Description

Type

system.network.interface

Number of system network interfaces

Count

system.network.interface.bytes.rate

Data rate of network interfaces (input and output combined) in bytes per second

String

system.network.interface.in.bytes.rate

Data rate of incoming network traffic in bytes per second

Count

system.network.interface.out.bytes.rate

Data rate of outgoing network traffic in bytes per second

Count

IBM-AIX Process

â€‹

Name

Description

Type

system.process.id

The ID of the system process.

Count

system.process.user

The user associated with the system process.

String

system.process.cpu.percent

The percentage of CPU used by the system process.

Count

system.process.uptime.sec

The uptime of the system process in seconds.

Count

system.process.command

The command used to start the system process.

String

system.process.memory.used.percent

The percentage of memory used by the system process.

Count

system.process

The name of the system process.

String

system.process.virtual.memory.bytes

The amount of virtual memory used by the system process in bytes.

Count

system.process.uptime

The uptime of the system process.

String

system.process.memory.used.bytes

The amount of memory used by the system process in bytes.

Count

status

The status of the system process.

String

Page Title: ibm-db2

On this page

IBM DB2

Overview

â€‹

IBM DB2, the robust and scalable relational database management system, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their DB2 databases. Monitor critical database metrics such as query execution times, transaction rates, and storage utilization to ensure efficient data processing.

Supported Versions

â€‹

Versions

11

12

11.5.0.1077

9.7.900.250(windows)

10.5.0.11(solaris)

Prerequisites for IBM DB2 Integration with Motadata AIOps:

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Ensure that the IBM DB2 port (default: 50000) is open for the Motadata AIOps server.

Ensure you have the necessary credentials, including the username and password, for Motadata AIOps to connect to the IBM DB2 database.

Ensure that JDBC is supported on the server where IBM DB2 is configured.

For agentless monitoring, ensure that the user has the required access for remote access to the IBM DB2 database server. For agent-based monitoring, this is not required.

Ensure that the IBM DB2 service is active and running on the server.

Ensure you have the name of the IBM DB2 database that you want to monitor.

Confirm that the IBM DB2 process and service are listed in the process and service monitor settings of Motadata AIOps. While these may be listed by default, verify that the names of the service and process match the specific IBM DB2 version that you intend to monitor.

By following these prerequisites, you can integrate IBM DB2 with Motadata AIOps and ensure smooth functioning of the monitoring process.

List of Supported KPIs

Name

Description

Type

system.tags

The tags associated with the Db2 system.

String

db2.instance.status

The status of the Db2 instance.

String

db2.private.committed.memory.bytes

The amount of private committed memory used by Db2.

Count

db2.accepted.piped.sorts

The number of piped sorts accepted by Db2.

Count

db2.requested.piped.sorts

The number of piped sorts requested by Db2.

Count

db2.local.connections

The number of local connections to Db2.

Count

db2.remote.connections

The number of remote connections to Db2.

Count

db2.active.gateway.connections

The number of active gateway connections in Db2.

Count

db2.gateway.client.connection.waits

The number of client connection waits in Db2 gateway.

Count

db2.gateway.host.connection.waits

The number of host connection waits in Db2 gateway.

Count

db2.gateway.connections

The number of connections in Db2 gateway.

Count

db2.executing.local.connections

The number of executing local connections in Db2.

Count

db2.local.databases.with.current.connects

The number of local databases with current connects in Db2.

Count

db2.executing.remote.connections

The number of executing remote connections in Db2.

Count

db2.registered.agents

The number of registered agents in Db2.

Count

db2.waiting.on.token.agents

The number of agents waiting on tokens in Db2.

Count

db2.idle.agents

The number of idle agents in Db2.

Count

db2.sort.heap.allocation.bytes

The amount of sort heap memory allocated by Db2.

Count

db2.stolen.agents

The number of stolen agents in Db2.

Count

db2.pool.agents

The number of agents in the Db2 pool.

Count

db2.created.agents.empty.pool

The number of agents created when the pool is empty in Db2.

Count

db2.version

The version of Db2.

String

db2.last.snapshot

The timestamp of the last Db2 snapshot.

Count

db2.last.reset

The timestamp of the last Db2 reset.

Count

db2.partition.number

The number of partitions in Db2.

Count

db2.nodes

The number of nodes in Db2.

Count

db2.active.agents

The number of active agents in Db2.

Count

db2.sort.heap.used.percent

The percentage of sort heap memory used by Db2.

Count

db2.connections

The number of active connections to Db2.

Count

started.time

The timestamp when Db2 was started.

String

started.time.sec

The number of seconds since Db2 was started.

Count

db2.database.size.bytes

The size of the Db2 database in bytes.

Count

db2.table.space

Db2 table space.

Count

db2.table.space.name

The name of the Db2 table space.

Count

db2.table.space.type

The type of the Db2 table space.

Count

db2.table.space.content.type

The content type of the Db2 table space.

Count

db2.table.space.created

The creation timestamp of the Db2 table space.

Count

db2.table.space.status

The status of the Db2 table space.

Count

db2.table.space.size.bytes

The size of the Db2 table space in bytes.

Count

db2.table.space.used.bytes

The amount of used space in the Db2 table space in bytes.

Count

db2.table.space.free.bytes

The amount of free space in the Db2 table space in bytes.

Count

db2.table.space.used.percent

The percentage of used space in the Db2 table space.

Count

db2.table.space.page.size.bytes

The size of a page in the Db2 table space in bytes.

Count

db2.table.space.page.usable.bytes

The usable space in a page of the Db2 table space in bytes.

Count

db2.table.space.containers

The number of containers in the Db2 table space.

Count

db2.table.space.extent.pages

The number of extent pages in the Db2 table space.

Count

db2.table.space.prefetch.pages

The number of prefetch pages in the Db2 table space.

Count

db2.blocked.sessions

The number of blocked Db2 sessions.

Count

db2.waiting.sessions

The number of waiting Db2 sessions.

Count

db2.active.sessions

The number of active Db2 sessions.

Count

db2.sessions

The total number of Db2 sessions.

Count

correlation.metrics

The correlation metrics.

String

db2.session.agent.id

The agent ID of a Db2 session.

Count

db2.session.application

The application associated with a Db2 session.

Count

db2.session.application.status

The status of the application associated with a Db2 session.

Count

db2.session.read.rows

The number of rows read by a Db2 session.

Count

db2.session.written.rows

The number of rows written by a Db2 session.

Count

db2.session.data.reads.rate

The rate of data reads by a Db2 session.

Count

db2.session.index.reads

The number of index reads by a Db2 session.

Count

db2.session.data.writes.rate

The rate of data writes by a Db2 session.

Count

db2.session.index.writes

The number of index writes by a Db2 session.

Count

db2.session.physical.read.time.ms

The amount of time spent on physical reads by a Db2 session (in milliseconds).

Count

db2.session.physical.write.time.ms

The amount of time spent on physical writes by a Db2 session (in milliseconds).

Count

db2.session.lock.held

The number of locks held by a Db2 session.

Count

db2.session.lock.wait

The number of lock waits for a Db2 session.

Count

db2.session.lock.wait.time.ms

The total wait time for locks in milliseconds for a Db2 session.

Count

db2.session.deadlocks

The number of deadlocks encountered by a Db2 session.

Count

db2.session.sorts

The number of sorts performed by a Db2 session.

Count

db2.session.commit.sql.statements

The number of SQL COMMIT statements executed by a Db2 session.

Count

db2.session.rollback.sql.statements

The number of SQL ROLLBACK statements executed by a Db2 session.

Count

db2.session.deleted.rows

The number of rows deleted by a Db2 session.

Count

db2.session.inserted.rows

The number of rows inserted by a Db2 session.

Count

db2.session.updated.rows

The number of rows updated by a Db2 session.

Count

db2.session.selected.rows

The number of rows selected by a Db2 session.

Count

db2.session.timedout.locks

The number of locks that have timed out for a Db2 session.

Count

db2.session.agents

The number of agents associated with a Db2 session.

Count

db2.session.cpu.time.sec

The CPU time consumed by a Db2 session in seconds.

Count

db2.session.statement.execution.elapsed.time.sec

The elapsed time for executing SQL statements in seconds for a Db2 session.

Count

db2.session.user.id

The user ID associated with a Db2 session.

Count

db2.session.remote.client

The remote client of a Db2 session.

Count

db2.session.agent.id

The agent ID of a Db2 session holding a lock.

Count

db2.session.application

The application associated with a Db2 session.

Count

db2.session.table.name

The name of the table involved in a Db2 session.

Count

db2.session.lock.type

The type of lock held by a Db2 session.

Count

db2.session.lock.status

The status of the lock held by a Db2 session.

Count

db2.session.lock.mode

The mode of the lock held by a Db2 session.

Count

db2.session.agent.id.holding.lock

The agent ID of the session holding the lock.

Count

db2.session.lock.wait.agent.id

The agent ID of the session waiting for the lock.

Count

db2.session.lock.mode.requested

The lock mode requested by a Db2 session.

Count

db2.session.lock.wait.start.time

The start time of the lock wait for a Db2 session.

Count

db2.memory.pool

The total number of Db2 memory pools.

Count

db2.memory.pool.size.bytes

The size of the Db2 memory pool in bytes.

Count

db2.memory.pool.used.bytes

The amount of Db2 memory pool used in bytes.

Count

db2.buffer.pool

The total number of Db2 buffer pools.

Count

db2.buffer.pool.hit.ratio.percent

The hit ratio percentage of the Db2 buffer pool.

Count

db2.backup

Total number of Db2 backups.

Count

db2.backup.id

ID of the Db2 backup.

Count

db2.backup.status

Status of the Db2 backup.

Count

db2.backup.location

Location of the Db2 backup.

Count

db2.backup.operation.type

Type of operation performed during the Db2 backup.

Count

db2.backup.object.type

Type of object being backed up in Db2.

Count

db2.backup.table.spaces

Number of table spaces included in the Db2 backup.

Count

db2.backup.table.space

Specific table space included in the Db2 backup.

Count

db2.backup.start.time

Start time of the Db2 backup.

Count

db2.backup.end.time

End time of the Db2 backup.

Count

db2.backup.duration.seconds

Duration of the Db2 backup in seconds.

Count

started.time.sec

Number of seconds since the database was started.

Count

started.time

Time when the database was started.

String

db2.db.path

File path of the Db2 database.

Count

db2.db.status

Status of the Db2 database.

Count

db2.db.alias

Alias of the Db2 database.

Count

db2.db.last.backup

Last backup performed on the Db2 database.

Count

db2.db.location

Location of the Db2 database.

Count

db2.db.dynamic.sql.queries

Number of dynamic SQL queries executed on the Db2 database.

Count

db2.db.failed.sql.queries

Number of failed SQL queries executed on the Db2 database.

Count

db2.db.internal.commits

Number of internal commits performed on the Db2 database.

Count

db2.db.commits.rate

Rate of commits on the Db2 database.

Count

db2.db.rollbacks.rate

Rate of rollbacks on the Db2 database.

Count

db2.db.deadlocks

Number of deadlocks encountered in the Db2 database.

Count

db2.db.ddl.sql.queries.rate

Rate of DDL (Data Definition Language) SQL queries on the database.

Count

db2.db.internal.rollbacks

Number of internal rollbacks performed on the Db2 database.

Count

db2.db.package.cache.inserts.rate

Rate of inserts into the Db2 package cache.

Count

db2.db.package.cache.lookups.rate

Rate of lookups into the Db2 package cache.

Count

db2.db.active.hash.joins.rate

Rate of active hash joins on the Db2 database.

Count

db2.db.sorts.rate

Rate of sorts performed on the Db2 database.

Count

db2.db.hash.joins.rate

Rate of hash joins on the Db2 database.

Count

db2.db.sort.overflows

Number of sort overflows in the Db2 database.

Count

db2.db.active.olap.functions

Number of active OLAP (Online Analytical Processing) functions.

Count

db2.db.lock.list.memory.bytes

Amount of memory used by the lock list in the Db2 database.

Count

db2.db.active.sorts

Number of active sorts in the Db2 database.

Count

db2.db.connected.applications

Number of currently connected applications to the Db2 database.

Count

db2.db.executing.applications

Number of currently executing applications in the Db2 database.

Count

db2.db.connections

Number of active connections to the Db2 database.

Count

db2.db.secondary.connections

Number of active secondary connections to the Db2 database.

Count

db2.db.package.cache.overflows

Number of overflows in the Db2 package cache.

Count

db2.db.locks

Number of locks in the Db2 database.

Count

db2.db.direct.reads.rate

Rate of direct reads from the Db2 database.

Count

db2.db.direct.reads.requests.rate

Rate of requests for direct reads from the Db2 database.

Count

db2.db.direct.writes.rate

Rate of direct writes to the Db2 database.

Count

db2.db.direct.writes.requests.rate

Rate of requests for direct writes to the Db2 database.

Count

db2.db.lock.waiters

Number of lock waiters in the Db2 database.

Count

db2.db.lock.escalations

Number of lock escalations in the Db2 database.

Count

db2.db.deleted.rows.rate

Rate of deleted rows from the Db2 database.

Count

db2.db.inserted.rows.rate

Rate of inserted rows into the Db2 database.

Count

db2.db.updated.rows.rate

Rate of updated rows in the Db2 database.

Count

db2.db.row.reads.rate

Rate of row reads from the Db2 database.

Count

db2.db.log.reads.rate

Rate of log reads from the Db2 database.

Count

db2.db.log.read.ops.rate

Rate of log read operations in the Db2 database.

Count

db2.db.log.write.ops.rate

Rate of log write operations in the Db2 database.

Count

db2.db.free.log.space.bytes

Amount of free log space in bytes in the Db2 database.

Count

db2.db.used.secondary.log.files

Number of used secondary log files in the Db2 database.

Count

db2.db.used.log.space.bytes

Amount of used log space in bytes in the Db2 database.

Count

db2.db.exclusive.lock.escalations

Number of exclusive lock escalations in the Db2 database.

Count

db2.db.lock.waits

Number of lock waits in the Db2 database.

Count

db2.db.lock.timeouts

Number of lock timeouts in the Db2 database.

Count

db2.db.catalog.cache.inserts.rate

Rate of inserts into the Db2 catalog cache.

Count

db2.db.catalog.cache.lookups.rate

Rate of lookups into the Db2 catalog cache.

Count

db2.db.catalog.cache.overflows

Number of overflows in the Db2 database catalog cache.

Count

db2.db.successful.sql.queries

Number of successful SQL queries executed in the Db2 database.

Count

db2.db.unit.works

Number of unit works in the Db2 database.

Count

db2.db.package.cache.hit.ratio.percent

Percentage of hits in the Db2 package cache.

Count

db2.db.lock.waiting.percent

Percentage of time spent waiting for locks in the Db2 database.

Count

db2.db.sort.overflow.used.percent

Percentage of sort overflows used in the Db2 database.

Count

db2.db.log.space.bytes

Amount of log space in bytes in the Db2 database.

Count

db2.db.log.space.used.percent

Percentage of used log space in the Db2 database.

Count

db2.db.catalog.cache.hit.ratio.percent

Percentage of hits in the Db2 catalog cache.

Count

db2.db.lock.wait.time.ms

Time spent waiting for locks in the Db2 database (in milliseconds).

Count

db2.db.direct.read.time.ms

Time taken for direct reads in the Db2 database (in milliseconds).

Count

db2.db.sort.time.ms

Time taken for sorting in the Db2 database (in milliseconds).

Count

db2.db.index.page.hit.ratio.percent

Percentage of hits in the Db2 index page cache.

Count

db2.db.data.page.hit.ratio.percent

Percentage of hits in the Db2 data page cache.

Count

db2.db.database.buffer.pool.hit.ratio.percent

Percentage of hits in the Db2 database buffer pool.

Count

db2.db.direct.write.time.ms

Time taken for direct writes in the Db2 database (in milliseconds).

Count

db2.db.direct.write.request.time.ms

Time taken for direct write requests in the Db2 database (in milliseconds).

Count

db2.db.direct.read.request.time.ms

Time taken for direct read requests in the Db2 database (in milliseconds).

Count

db2.db.select.sql.queries.rate

Rate of select SQL queries executed in the Db2 database.

Count

db2.db.log.writes.rate

Rate of log writes in the Db2 database.

Count

Page Title: ibm-mq

On this page

IBM MQ

Overview

â€‹

IBM MQ, the reliable and scalable messaging middleware, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their IBM MQ messaging infrastructure. Monitor critical messaging metrics such as message throughput, queue depths, and connection status to ensure smooth and reliable communication.

Supported Versions

â€‹

Versions

7.500.900.18249(Windows)

8.0.0.5(Windows)

9.0(Linux)

8.0

9.1

9.2

Prerequisites for IBM MQ Integration with Motadata AIOps

â€‹

Ensure that the IBM MQ port (default: 1414) is open for the Motadata AIOps server.

Confirm that the IBM MQ process and service are listed in the process and monitor settings of Motadata AIOps. While these may be listed by default, ensure that the names of the service and process match the specific IBM MQ version that you intend to monitor.

Ensure that either HTTP or HTTPS are supported on the IBM MQ server.

Provide the necessary credentials, including the username and password, for Motadata AIOps to connect to the Queue Manager and Channel Name on the IBM MQ server.

Confirm that the IBM MQ service is active and running on the server.

By following these prerequisites, you can integrate IBM MQ with Motadata AIOps and ensure the smooth functioning of the monitoring process.

List of Supported KPIs

â€‹

Name

Description

Type

ibm.mq.sent.bytes.rate

Rate of bytes sent through IBM MQ.

Count

ibm.mq.received.bytes.rate

Rate of bytes received through IBM MQ.

Count

ibm.mq.channels

Number of IBM MQ channels.

Count

ibm.mq.sessions

Number of IBM MQ sessions.

Count

ibm.mq.topics

Number of IBM MQ topics.

Count

ibm.mq.queues

IBM MQ queues.

String

ibm.mq.listeners

Number of IBM MQ listeners.

Count

ibm.mq.pending.messages

Number of pending messages in IBM MQ.

Count

ibm.mq.queue.manager

IBM MQ queue manager.

String

ibm.mq.queue.manager.command.input.queue.name

Name of the command input queue in the IBM MQ queue manager.

String

ibm.mq.queue.manager.dead.letter.queue.name

Name of the dead letter queue in the IBM MQ queue manager.

String

ibm.mq.queue.manager.xmit.queue.name

Name of the transmit queue in the IBM MQ queue manager.

String

ibm.mq.queue.manager.max.handles

Maximum number of handles supported by the IBM MQ queue manager.

Count

ibm.mq.queue.manager.max.message.length.bytes

Maximum message length in bytes supported by the IBM MQ queue manager.

Count

ibm.mq.queue.manager.os

Operating system of the IBM MQ queue manager.

String

ibm.mq.queue.manager.repository.cluster.namelist

Repository cluster namelist in the IBM MQ queue manager.

Count

Page Title: ibm-websphere

On this page

IBM Websphere

Overview

â€‹

IBM WebSphere, the robust and comprehensive application server platform, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their IBM WebSphere application servers. Monitor critical application metrics such as response times and request rates statistics to ensure optimal application performance.

Supported Versions

â€‹

Versions

8.5.5

8.5

9.0

8.5.5.16(Windows)

9.0.5.4(Linux)

Prerequisites for IBM WebSphere Integration with Motadata AIOps

â€‹

Ensure that the IBM WebSphere port (default: 9080) is open for the Motadata AIOps server.

Confirm that the IBM WebSphere process and service are listed in the process and monitor settings of Motadata AIOps. While these may be listed by default, ensure that the names of the service and process match the specific IBM WebSphere version that you intend to monitor.

Ensure that either HTTP or HTTPS are supported on the IBM WebSphere server.

Provide the necessary credentials, including the username and password, for Motadata AIOps to

connect to the IBM WebSphere server.

Confirm that the IBM WebSphere service is active and running on the server.

For agentless monitoring, ensure that the user has the required access for remote access to the IBM WebSphere server. For agent-based monitoring, this is not required.

In the address area of your browser, type http://

[IP]

/server-status, submit the address, to view the status of the server. Confirm the server availability by following this step.

where

[IP]

 is the IP address of the server where IBM WebSphere is installed

By following these prerequisites, you can integrate IBM WebSphere with Motadata AIOps and ensure the smooth functioning of the monitoring process.

List of Supported KPIs

â€‹

Name

Description

Type

system.tags

System tags associated with Websphere

String

websphere.version

Version of Websphere

String

websphere.thread.used.percent

Percentage of used threads in Websphere

Count

websphere.heap.memory.free.bytes

Free heap memory in bytes in Websphere

Count

websphere.heap.memory.used.bytes

Used heap memory in bytes in Websphere

Count

websphere.process.cpu.percent

CPU usage percentage by Websphere process

Count

websphere.heap.memory.size.bytes

Total heap memory size in bytes in Websphere

Count

websphere.servlet.created.sessions

Number of created servlet sessions in Websphere

Count

websphere.servlet.invalidated.sessions

Number of invalidated servlet sessions in Websphere

Count

websphere.servlet.active.sessions

Number of active servlet sessions in Websphere

Count

websphere.servlet.live.sessions

Number of live servlet sessions in Websphere

Count

websphere.servlet.discarded.session

Number of discarded servlet sessions in Websphere

Count

websphere.servlet.cache.discarded.sessions

Number of discarded cached servlet sessions in Websphere

Count

websphere.servlet.affinity.broken.sessions

Number of broken affinity servlet sessions in Websphere

Count

websphere.servlet.invalid.timedout.sessions

Number of invalid timed-out servlet sessions in Websphere

Count

websphere.servlet.non.exist.activated.sessions

Number of non-existing activated servlet sessions in Websphere

Count

websphere.servlet.session.lifetime.ms

Lifetime of Websphere servlet session in milliseconds

Count

websphere.servlet.session.external.read.time.ms

Time taken for external read operations in Websphere session

Count

websphere.servlet.session.external.write.time.ms

Time taken for external write operations in Websphere session

Count

websphere.servlet.session.external.last.activated.time.ms

Last activated time of external Websphere session

Count

websphere.servlet.session.external.read.bytes

Number of bytes read from external Websphere session

Count

websphere.servlet.session.external.write.bytes

Number of bytes written to external Websphere session

Count

websphere.servlet.session.session.object.bytes

Size of the Websphere session object in bytes

Count

websphere.requests

Number of requests made to Websphere

Count

websphere.hits

Number of hits in Websphere

Count

websphere.hit.ratio.percent

Hit ratio percentage in Websphere

Count

websphere.orb.lookup.time.ms

Time taken for ORB lookup in Websphere

Count

websphere.orb.requests

Number of ORB requests in Websphere

Count

websphere.orb.concurrent.requests

Number of concurrent ORB requests in Websphere

Count

started.time.sec

Uptime in seconds since the Websphere server started

Count

websphere.jdbc.used.percent

Percentage of used JDBC connections in Websphere

Count

websphere.jdbc.pool.created.connections

Number of created JDBC connections in Websphere

Count

websphere.jdbc.pool.destroyed.connections

Number of destroyed JDBC connections in Websphere

Count

websphere.jdbc.pool.allocated.connections

Number of allocated JDBC connections in Websphere Jdbc Pool

Count

websphere.jdbc.pool.returned.connections

Number of returned JDBC connections in Websphere Jdbc Pool

Count

websphere.jdbc.pool.fault.connections

Number of fault JDBC connections in Websphere Jdbc Pool

Count

websphere.jdbc.pool.managed.connections

Number of managed JDBC connections in Websphere Jdbc Pool

Count

websphere.jdbc.pool.handle.connections

Number of handled JDBC connections in Websphere Jdbc Pool

Count

websphere.jdbc.pool.discarded.statements

Number of discarded JDBC statements in Websphere Jdbc Pool

Count

websphere.jdbc.pool.size

Size of Websphere Jdbc Pool

Count

websphere.jdbc.pool.free.size

Number of free connections in Websphere Jdbc Pool

Count

websphere.jdbc.pool.waiting.threads

Number of threads waiting in Websphere Jdbc Pool

Count

websphere.jdbc.pool.used.percent

Percentage of used connections in Websphere Jdbc Pool

Count

websphere.jdbc.pool

Websphere Jdbc Pool

String

websphere.thread.pool.created.threads

Number of created threads in Websphere Thread Pool

Count

websphere.thread.pool.destroyed.threads

Number of destroyed threads in Websphere Thread Pool

Count

websphere.thread.pool.declared.hung.threads

Number of declared hung threads in Websphere Thread Pool

Count

websphere.thread.pool.cleared.hung.threads

Number of cleared hung threads in Websphere Thread Pool

Count

websphere.thread.pool.concurrent.hung.threads

Number of concurrent hung threads in Websphere Thread Pool

Count

websphere.thread.pool.size

Size of Websphere Thread Pool

Count

websphere.thread.pool.active.threads

Number of active threads in Websphere Thread Pool

Count

websphere.thread.pool.maxed.percent

Percentage of maxed-out threads in Websphere Thread Pool

Count

websphere.thread.pool.used.percent

Percentage of used threads in Websphere Thread Pool

Count

websphere.thread.pool

Websphere Thread Pool

String

Page Title: icmp-echo

ICMP Echo

Overview

â€‹

The ICMP Echo integration with Motadata AIOps enables robust monitoring of network performance by analyzing the latency and round-trip times (RTT) of ICMP echo requests. This is essential for understanding the speed and reliability of network paths. With this integration, organizations can gain insights into network delays, identify potential bottlenecks, and ensure that network operations meet expected performance levels.

Motadata AIOps provides detailed metrics for tracking maximum, minimum, and average latencies, as well as the completion status of RTTs. Additionally, it offers visibility into the administrative status and type of ICMP operations being performed, helping network administrators manage and optimize network configurations effectively.

Prerequisites

â€‹

Ensure the device you are adding has the IP SLA capabilities.

Ensure the Port 161 is enabled for the device you wish to monitor.

Ensure you have the

Write Community

 and

Read Community

 string before creating a credential profile for WAN Link.

List of Supported KPIs

â€‹

Metrics

Description

Type

ipsla.owner

Owner or administrator of the IPSLA operation

String

ipsla

General information about the IPSLA operation

String

ipsla.max.latency.ms

Maximum latency (in milliseconds) observed during ICMP echo

Count

ipsla.min.latency.ms

Minimum latency (in milliseconds) observed during ICMP echo

Count

status

Current status of the ICMP echo operation

String

ipsla.latency.ms

Average latency (in milliseconds) observed during ICMP echo

Count

ipsla.rtt.completion.status

Completion status of the round-trip time measurement

String

ipsla.admin.status

Administrative status of the IPSLA operation

String

ipsla.operation.type

Type of IPSLA operation being performed

String

Page Title: icmp-jitter

On this page

ICMP Jitter

Overview

â€‹

The IPSLA Jitter integration with Motadata AIOps provides extensive monitoring and analysis of network jitter, latency, and packet loss. This integration uses ICMP jitter operations to measure variations in packet delay (jitter) and determine the quality of the network service. It helps organizations ensure smooth data transmission by monitoring key metrics such as round-trip time (RTT), average jitter, and packet loss, both from source to destination and vice versa.

With this integration, network administrators can proactively identify and troubleshoot issues related to jitter and latency, optimize network performance, and maintain a high quality of service. The integration also offers detailed insights into positive and negative jitter, skipped packets, and timed-out packets, allowing for comprehensive network health assessment.

Prerequisites

â€‹

Ensure the device you are adding has the IP SLA capabilities.

Ensure the Port 161 is enabled for the device you wish to monitor.

Ensure you have the

Write Community

 and

Read Community

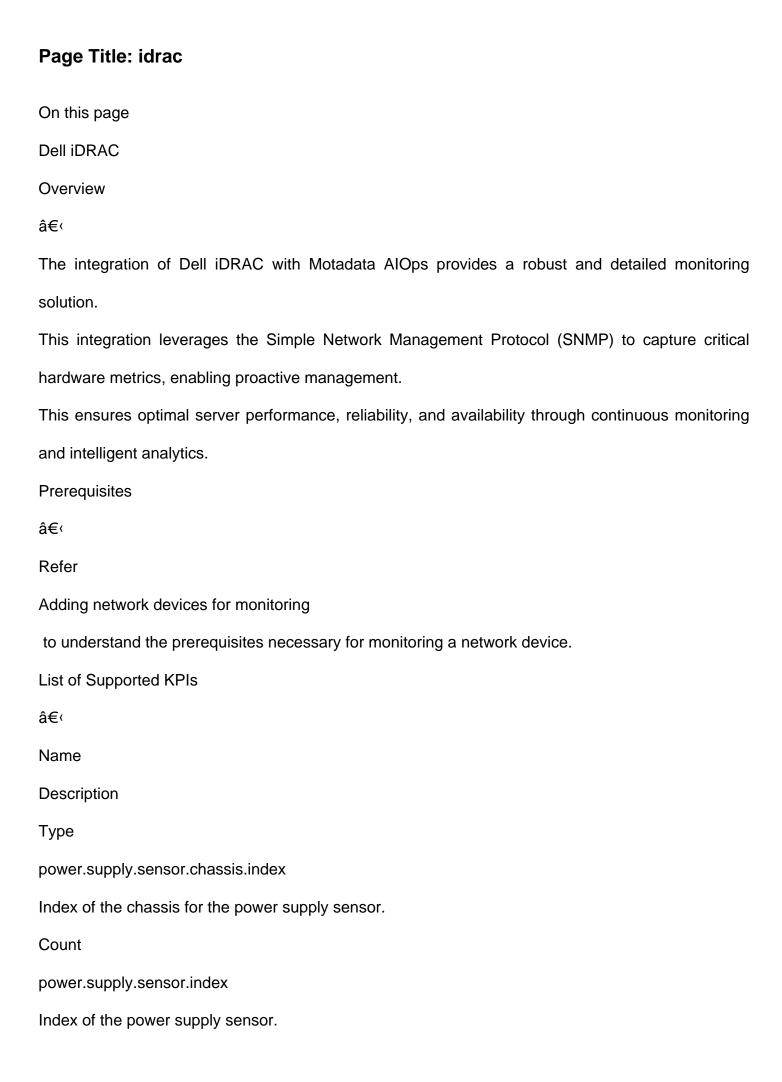 string before creating a credential profile for WAN Link.

List of Supported KPIs

â€‹

Metrics

Description

Type

ipsla.owner

Owner or administrator of the IPSLA operation

String

ipsla

General information and statistics about the IPSLA operation

String

ipsla.latency.ms

Average latency (in milliseconds) observed

Count

ipsla.max.latency.ms

Maximum latency (in milliseconds) observed

Count

ipsla.min.latency.ms

Minimum latency (in milliseconds) observed

Count

status

Current status of the IPSLA operation

String

ipsla.rtt.completion.status

Completion status of the round-trip time measurement

String

ipsla.admin.status

Administrative status of the IPSLA operation

String

ipsla.source.to.destination.avg.latency.ms

Average latency from source to destination

Count

ipsla.destination.to.source.avg.latency.ms

Average latency from destination to source

Count

ipsla.avg.jitter.ms

Average jitter observed

Count

ipsla.lost.packets

Number of lost packets

Count

ipsla.source.to.destination.avg.jitter.ms

Average jitter from source to destination

Count

ipsla.destination.to.source.avg.jitter.ms

Average jitter from destination to source

Count

ipsla.source.to.destination.avg.positive.jitter.ms

Average positive jitter from source to destination

Count

ipsla.source.to.destination.avg.negative.jitter.ms

Average negative jitter from source to destination

Count

ipsla.destination.to.source.avg.positive.jitter.ms

Average positive jitter from destination to source

Count

ipsla.destination.to.source.avg.negative.jitter.ms

Average negative jitter from destination to source

Count

ipsla.skipped.packets

Number of skipped packets

Count

ipsla.timed.out.packets

Number of timed-out packets

Count

ipsla.min.dropped.packets

Minimum number of dropped packets

Count

ipsla.max.dropped.packets

Maximum number of dropped packets

Count

ipsla.operation.type

Type of IPSLA operation being performed

String

Page Title: icmp-path-echo

On this page

ICMP Path Echo

Overview

â€‹

The ICMP Path Echo integration with Motadata AIOps offers comprehensive monitoring of network path performance using ICMP echo requests. This feature allows for detailed analysis of each hop in the network path, providing insights into latency at various stages and the overall round-trip time (RTT) for network packets. By monitoring these metrics, organizations can identify and troubleshoot network issues, optimize routing paths, and ensure efficient data flow.

Motadata AIOps delivers key metrics, including the average latency per path, the completion status of RTTs, and administrative details of the IPSLA operations. This information helps network administrators maintain optimal network performance and swiftly address any detected anomalies.

Prerequisites

â€‹

Ensure the device you are adding has the IP SLA capabilities.

Ensure the Port 161 is enabled for the device you wish to monitor.

Ensure you have the

Write Community

 and

Read Community

 string before creating a credential profile for WAN Link.

List of Supported KPIs

â€‹

Metrics

Description

Type

ipsla.owner

Owner or administrator of the IPSLA operation

String

ipsla

General information about the IPSLA operation

String

status

Current status of the Path Echo operation

String

ipsla.latency.ms

Average latency (in milliseconds) observed during PATH ECHO

Count

ipsla.rtt.completion.status

Completion status of the round-trip time measurement

String

ipsla.admin.status

Administrative status of the IPSLA operation

String

ipsla.operation.type

Type of IPSLA operation being performed

String

ipsla.path

Information about the specific path being monitored

String

ipsla.path.avg.latency

Average latency for the specific path

Count

ipsla.path.hop.index

Index of the current hop in the path

Count

ipsla.path.index

Index of the path in the monitoring sequence

Count

ipsla.path.target.address

Target address of the path being monitored

String

Page Title: idrac

On this page

Dell iDRAC

Overview

â€‹

The integration of Dell iDRAC with Motadata AIOps provides a robust and detailed monitoring solution.

This integration leverages the Simple Network Management Protocol (SNMP) to capture critical hardware metrics, enabling proactive management.

This ensures optimal server performance, reliability, and availability through continuous monitoring and intelligent analytics.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Name

Description

Type

power.supply.sensor.chassis.index

Index of the chassis for the power supply sensor.

Count

power.supply.sensor.index

Index of the power supply sensor.

Count

power.supply.sensor.status

Status of the power supply sensor.

String

power.supply.sensor.output.mill.watts

Output power in milliwatts for the power supply sensor.

Count

power.supply.sensor.type

Type of the power supply sensor.

String

power.supply.sensor

Data related to the power supply sensor.

String

power.supply.sensor.input.mill.volts

Input voltage in millivolts for the power supply sensor.

Count

battery.chassis.index

Index of the chassis for the battery.

Count

battery.index

Index of the battery.

Count

battery.status

Status of the battery.

String

battery.reading

Reading of the battery status.

String

battery

Data related to the battery.

String

processor.device.chassis.index

Index of the chassis for the processor.

Count

processor.device.index

Index of the processor.

Count

processor.device.status

Status of the processor.

String

processor.device.reading

Reading of the processor status.

String

processor.device

Data related to the processor.

String

fan.sensor.chassis.index

Index of the chassis for the fan sensor.

Count

fan.sensor.index

Index of the fan sensor.

Count

fan.sensor.status

Status of the fan sensor.

String

fan.sensor.speed

Speed of the fan sensor.

Count

fan.sensor.type

Type of the fan sensor.

String

fan.sensor.location.name

Location name of the fan sensor.

String

fan.sensor

Data related to the fan sensor.

String

temperature.sensor.probe.chassis.index

Index of the chassis for the temperature sensor.

Count

temperature.sensor.probe.index

Index of the temperature sensor probe.

Count

temperature.sensor.status

Status of the temperature sensor.

String

temperature.sensor.temperature.celsius

Temperature reading in Celsius from the sensor.

Count

temperature.sensor

Data related to the temperature sensor.

String

physical.disk

Data related to the physical disk.

String

physical.disk.space.used.bytes

Space used on the physical disk in bytes.

Count

physical.disk.space.free.bytes

Free space on the physical disk in bytes.

Count

physical.disk.status

Status of the physical disk.

String

physical.disk.power.status

Power status of the physical disk.

String

physical.disk.operational.status

Operational status of the physical disk.

String

physical.disk.fqdd

Fully Qualified Device Descriptor of the physical disk.

String

pci.index

Index of the PCI device.

Count

pci.status

Status of the PCI device.

String

pci.data.bus.width

Data bus width of the PCI device.

Count

pci.manufacturer.name

Manufacturer name of the PCI device.

String

pci.description.name

Description name of the PCI device.

String

pci

Data related to the PCI device.

String

memory.device.chassis.index

Index of the chassis for the memory device.

Count

memory.device

Data related to the memory device.

String

memory.device.status

Status of the memory device.

String

memory.device.location.name

Location name of the memory device.

String

memory.device.capacity.bytes

Capacity of the memory device in bytes.

Count

memory.device.speed

Speed of the memory device.

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

Page Title: iis

On this page

Microsoft IIS

Overview

Microsoft Internet Information Services (IIS), the powerful and popular web server developed by Microsoft, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their IIS web servers. Monitor critical web server metrics such as request rates, response times, and server resource utilization to ensure optimal handling of web traffic.

Supported Versions

Versions

6.2

7.5

8.0

8.5

8.5.9600.16384

10.0

Prerequisites for Microsoft IIS Integration with Motadata AIOps

Obtain the server credentials required for discovering the server on which Microsoft IIS is installed.

Ensure that the user has administrator privileges on the server where Microsoft IIS is installed.

Ensure that the Microsoft IIS service is active and running on the server.

Confirm that the Microsoft IIS process and service are listed in the process and service monitor settings of Motadata AIOps. While these may be listed by default, verify that the names of the

service and process match the specific Microsoft IIS version that you intend to monitor.

By meeting these prerequisites, you can integrate Microsoft IIS with Motadata AIOps and enable effective monitoring and management of your IIS server.

List of Supported KPIs

â€‹

Name

Description

Type

system.tags

System tags associated with the metric.

String

iis.404.errors

Number of 404 errors encountered by IIS.

Count

iis.404.errors.per.sec

Rate of 404 errors encountered by IIS per second.

Count

started.time

Time when the IIS instance started.

String

started.time.sec

Uptime of the IIS instance in seconds.

Count

iis.sent.bytes

Total number of bytes sent by IIS.

Count

iis.received.bytes

Total number of bytes received by IIS.

Count

iis.traffic.volume.bytes

Total volume of traffic in bytes handled by IIS.

Count

iis.active.connections

Number of active connections to IIS.

Count

iis.sent.files

Number of files sent by IIS.

Count

iis.transferred.files

Number of files transferred by IIS.

Count

iis.non.anonymous.users.per.sec

Rate of non-anonymous users accessing IIS per second.

Count

iis.received.files

Number of files received by IIS.

Count

iis.connection.attempts

Number of connection attempts to IIS.

Count

iis.get.requests

Number of GET requests received by IIS.

Count

iis.post.requests

Number of POST requests received by IIS.

Count

iis.head.requests

Number of HEAD requests received by IIS.

Count

iis.put.requests

Number of PUT requests received by IIS.

Count

iis.delete.requests

Number of DELETE requests received by IIS.

Count

iis.options.requests

Number of OPTIONS requests received by IIS.

Count

iis.trace.requests

Number of TRACE requests received by IIS.

Count

iis.locked.errors

Number of errors due to locked resources in IIS.

Count

iis.anonymous.users

Number of anonymous users accessing IIS.

Count

iis.non.anonymous.users

Number of non-anonymous users accessing IIS.

Count

iis.cgi.requests

Number of CGI requests received by IIS.

Count

iis.sent.bytes.per.sec

Rate of bytes sent per second by IIS.

Count

iis.received.bytes.per.sec

Rate of bytes received per second by IIS.

Count

iis.bytes.per.sec

Rate of total bytes (sent + received) per second.

Count

iis.sent.files.per.sec

Rate of files sent per second by IIS.

Count

iis.received.files.per.sec

Rate of files received per second by IIS.

Count

iis.file.transfers.per.sec

Rate of file transfers per second by IIS.

Count

iis.get.requests.per.sec

Rate of GET requests received per second by IIS.

Count

iis.post.requests.per.sec

Rate of POST requests received per second by IIS.

Count

iis.head.requests.per.sec

Rate of HEAD requests received per second by IIS.

Count

iis.put.requests.per.sec

Rate of PUT requests received per second by IIS.

Count

iis.delete.requests.per.sec

Rate of DELETE requests received per second by IIS.

Count

iis.options.requests.per.sec

Rate of OPTIONS requests received per second by IIS.

Count

iis.trace.requests.per.sec

Rate of TRACE requests received per second by IIS.

Count

iis.locked.errors.per.sec

Rate of errors due to locked resources per second in IIS.

Count

iis.anonymous.users.per.sec

Rate of anonymous users accessing IIS per second.

Count

iis.cgi.requests.per.sec

Rate of CGI requests received per second by IIS.

Count

iis.isapi.extension.requests.per.sec

Rate of ISAPI extension requests received per second by IIS.

Count

iis.connection.attempts.per.sec

Rate of connection attempts per second in IIS.

Count

iis.logon.attempts

Number of logon attempts in IIS.

Count

iis.failed.logins

Number of failed logins in IIS.

Count

iis.active.non.anonymous.users

Number of active non-anonymous users in IIS.

Count

iis.active.anonymous.users

Number of active anonymous users in IIS.

Count

iis.uri.cache.hit.ratio.percent

Percentage of URI cache hits in IIS.

Count

iis.output.cache.current.hits.ratio.percent

Percentage of current output cache hits in IIS.

Count

iis.metadata.cache.hit.ratio.percent

Percentage of metadata cache hits in IIS.

Count

iis.kernel.uri.cache.hit.ratio.percent

Percentage of kernel URI cache hits in IIS.

Count

iis.file.cache.hit.ratio.percent

Percentage of file cache hits in IIS.

Count

iis.output.cache.used.memory.bytes

Amount of memory used by the output cache in IIS.

Count

iis.file.cache.used.memory.bytes

Amount of memory used by the file cache in IIS.

Count

iis.request.execution.time.ms

Execution time of requests in milliseconds in IIS.

Count

iis.request.wait.time.ms

Wait time of requests in milliseconds in IIS.

Count

iis.queued.requests

Number of requests currently queued in IIS.

Count

iis.rejected.requests

Number of requests rejected by IIS.

Count

iis.current.requests

Number of current requests being processed in IIS.

Count

iis.worker.processes

Number of worker processes currently running in IIS.

Count

iis.logon.attempts.per.sec

Rate of logon attempts per second in IIS.

Count

iis.isapi.extension.requests

Number of ISAPI extension requests in IIS.

Count

iis.version

Version of Internet Information Services (IIS).

String

iis.asp.net.request.execution.time.ms

Execution time of ASP.NET requests in milliseconds in IIS.

Count

iis.asp.net.request.wait.time.ms

Wait time of ASP.NET requests in milliseconds in IIS.

Count

iis.asp.net.application.restarts

Number of ASP.NET application restarts in IIS.

Count

iis.asp.net.applications.running

Number of ASP.NET applications currently running in IIS.

Count

iis.asp.net.audit.failure.events

Number of ASP.NET audit failure events in IIS.

Count

iis.asp.net.audit.success.events

Number of ASP.NET audit success events in IIS.

Count

iis.asp.net.error.events

Number of ASP.NET error events in IIS.

Count

iis.asp.net.infrastructure.error.events

Number of ASP.NET infrastructure error events in IIS.

Count

iis.asp.net.request.error.events

Number of ASP.NET request error events in IIS.

Count

iis.asp.net.current.requests

Number of current ASP.NET requests being processed in IIS.

Count

iis.asp.net.disconnected.requests

Number of disconnected ASP.NET requests in IIS.

Count

iis.asp.net.native.queue.length

Length of the native queue for ASP.NET requests in IIS.

Count

iis.asp.net.queued.requests

Number of queued ASP.NET requests in IIS.

Count

iis.asp.net.rejected.requests

Number of rejected ASP.NET requests in IIS.

Count

iis.asp.net.active.sessions

Number of active sessions in ASP.NET in IIS.

Count

iis.asp.net.timedout.sessions

Number of timed-out sessions in ASP.NET in IIS.

Count

iis.asp.net.sessions

Number of sessions in ASP.NET in IIS.

Count

iis.asp.net.abandoned.sessions

Number of abandoned sessions in ASP.NET in IIS.

Count

iis.asp.net.worker.process.restarts

Number of worker process restarts for ASP.NET in IIS.

Count

iis.asp.net.worker.processes

Number of worker processes currently running for ASP.NET in IIS.

Count

iis.app

The name of the IIS application.

String

iis.app.pool

The name of the IIS application pool.

String

iis.app.protocol

The protocol used by the IIS application.

String

iis.app.physical.path

The physical path of the IIS application.

String

iis.app.sql.sessions

The number of SQL sessions associated with the IIS application.

Count

iis.app.anonymous.requests

The number of anonymous requests made to the IIS application.

Count

iis.app.anonymous.requests.per.sec

The rate of anonymous requests per second for the IIS application.

Count

iis.app.cache.entries

The number of entries in the cache for the IIS application.

Count

iis.app.cache.hits

The number of cache hits for the IIS application.

Count

iis.app.cache.misses

The number of cache misses for the IIS application.

Count

iis.app.cache.hit.ratio.percent

The percentage of cache hits for the IIS application.

Count

iis.app.cache.items.per.sec

The rate of cache items per second for the IIS application.

Count

iis.app.cache.api.entries

The number of entries in the API cache for the IIS application.

Count

iis.app.cache.api.hits

The number of API cache hits for the IIS application.

Count

iis.app.cache.api.misses

The number of API cache misses for the IIS application.

Count

iis.app.cache.api.hit.ratio.percent

The percentage of API cache hits for the IIS application.

Count

iis.app.api.cache.items.per.sec

The rate of API cache items per second for the IIS application.

Count

iis.app.compilations

The number of compilations for the IIS application.

Count

iis.app.debugging.requests

The number of debugging requests for the IIS application.

Count

iis.app.preprocess.errors

The number of preprocess errors for the IIS application.

Count

iis.app.compilation.errors

The number of compilation errors for the IIS application.

Count

iis.app.execution.errors

The number of execution errors for the IIS application.

Count

iis.app.errors

The total number of errors for the IIS application.

Count

iis.app.output.cache.misses

The number of output cache misses for the IIS application.

Count

iis.app.output.cache.hit.ratio.percent

The percentage of output cache hits for the IIS application.

Count

iis.app.output.cache.items.per.sec

The rate of output cache items per second for the IIS application.

Count

iis.app.sent.bytes

The number of bytes sent by the IIS application.

Count

iis.app.active.requests

The number of active requests for the IIS application.

Count

iis.app.failed.requests

The number of failed requests for the IIS application.

Count

iis.app.succeeded.requests

The number of succeeded requests for the IIS application.

Count

iis.app.timed.out.requests

The number of timed-out requests for the IIS application.

Count

iis.app.requests

The total number of requests for the IIS application.

Count

iis.app.abandoned.sessions

The number of abandoned sessions for the IIS application.

Count

iis.app.timed.out.sessions

The number of timed-out sessions for the IIS application.

Count

iis.app.sessions

The number of sessions for the IIS application.

Count

iis.app.pending.transactions

The number of pending transactions for the IIS application.

Count

iis.app.transactions

The total number of transactions for the IIS application.

Count

iis.app.transactions.per.sec

The rate of transactions per second for the IIS application.

Count

iis.app.unhandled.execution.errors.per.sec

The rate of unhandled execution errors per second for the IIS application.

Count

iis.app.errors.per.sec

The rate of errors per second for the IIS application.

Count

iis.app.output.cache.entries

The number of output cache entries for the IIS application.

Count

iis.app.output.cache.hits

The number of output cache hits for the IIS application.

Count

iis.app.pipeline.instances

The number of pipeline instances for the IIS application.

Count

iis.app.received.bytes

The number of bytes received by the IIS application.

Count

iis.app.bad.requests

The number of bad requests for the IIS application.

Count

iis.app.unauthorized.requests

The number of unauthorized requests for the IIS application.

Count

iis.app.requests.per.sec

The rate of requests per second for the IIS application.

Count

iis.app.active.sessions

The number of active sessions for the IIS application.

Count

iis.app.aborted.transactions

The number of aborted transactions for the IIS application.

Count

iis.app.committed.transactions

The number of committed transactions for the IIS application.

Count

iis.app.unhandled.execution.errors

The total number of unhandled execution errors for the IIS application.

Count

iis.app.pool

The name of the IIS application pool.

String

iis.app.pool.state

The state of the IIS application pool.

String

iis.app.pool.worker.processes

The number of worker processes in the IIS application pool.

Count

iis.app.pool.recent.worker.process.failures

The number of recent worker process failures in the IIS application pool.

Count

iis.app.pool.process.shutdown.failures

The number of process shutdown failures in the IIS application pool.

Count

iis.app.pool.worker.process.failures

The number of worker process failures in the IIS application pool.

Count

iis.app.pool.cpu.percent

The CPU usage percentage of the IIS application pool.

Count

iis.app.pool.memory.bytes

The memory usage in bytes of the IIS application pool.

Count

Page Title: juniper-firewall

Windows RDP

Overview

â€‹

Integrating with Windows RDP (Remote Desktop Protocol), Motadata AIOps enhances the monitoring and management capabilities for remote access to Windows-based systems, facilitating efficient remote administration and troubleshooting.

With Windows RDP integration, Motadata AIOps can monitor and track the usage of remote desktop sessions. It provides real-time visibility into active sessions, session duration, and user login/logout events, enabling you to monitor user activity and ensure secure remote access to Windows systems.

By leveraging this integration, you can gather performance metrics such as connection latency, bandwidth usage, and session responsiveness. Monitoring these metrics helps you identify potential connectivity issues, network bottlenecks, or resource constraints that can impact the user experience during remote desktop sessions.

Additionally, your AIOps product can monitor the health and availability of the Windows RDP service. It enables you to detect RDP service failures, authentication issues, or security-related events, empowering you to take proactive measures to maintain reliable and secure remote access to Windows systems.

Moreover, your AIOps product can generate alerts and notifications based on predefined thresholds or anomalies detected within the Windows RDP environment. This enables you to receive timely notifications about critical events, such as failed login attempts, excessive session latency, or unauthorized access attempts, allowing you to take immediate action to maintain the security and accessibility of your Windows systems.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

Supported Versions

â€‹

Versions

Windows 2011

Windows 2012

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

Page Title: juniper-router

On this page

Juniper

Overview

â€‹

Juniper Router, the reliable and high-performance router solutions by Juniper Networks, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Juniper Routers. Monitor critical router metrics such as interface utilization, routing table status, and packet forwarding to ensure smooth and efficient network routing.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.cpu.percent

The CPU utilization percentage of the device.

percentage

system.memory.used.percent

The percentage of memory used in the device.

percentage

fan.sensor

The fan sensor status.

string

fan.sensor.status

The status of the fan sensor (e.g., Running, Ready, Down).

string

power.supply.sensor

The power supply sensor status.

string

power.supply.sensor.status

The status of the power supply sensor (e.g., Running, Down, Standby).

string

juniper.fpc

The status of the Flexible PIC Concentrators (FPC) in the device.

string

juniper.fpc.state

The state of the FPC (e.g., Running, Ready, Down).

string

juniper.fpc.temperature.reading.celsius

The temperature reading of the FPC in degrees Celsius.

count

juniper.fru

The status of the Field Replaceable Units (FRU) in the device.

string

juniper.fru.type

The type of the FRU (e.g., Clock Generator, Switching Forwarding Module).

string

juniper.fru.state

The state of the FRU (e.g., Present, Online, Offline).

string

juniper.fru.temperature.celsius

The temperature of the FRU in degrees Celsius.

count

juniper.fru.uptime

The uptime of the FRU in seconds.

count

juniper.fru.chassis

The chassis of the FRU.

string

juniper.fru.chassis.description

Description of the FRU chassis.

string

juniper.routing.engine.1.cpu.percent

The CPU utilization percentage of Routing Engine 1.

percentage

juniper.routing.engine.2.cpu.percent

The CPU utilization percentage of Routing Engine 2.

percentage

juniper.routing.engine.1.memory.used.percent

The percentage of memory used in Routing Engine 1.

percentage

juniper.routing.engine.2.memory.used.percent

The percentage of memory used in Routing Engine 2.

percentage

juniper.routing.engine.1.temperature.reading.celcius

The temperature reading of Routing Engine 1 in degrees Celsius.

count

juniper.routing.engine.2.temperature.reading.celcius

The temperature reading of Routing Engine 2 in degrees Celsius.

count

juniper.virtual.chassis

The virtual chassis identifier.

string

juniper.virtual.chassis.role

The role of the device in the virtual chassis (e.g., Master, Backup, Linecard).

string

juniper.virtual.chassis.mac.address

The MAC address of the virtual chassis.

string

juniper.virtual.chassis.version

The version of the virtual chassis.

string

juniper.virtual.chassis.priority

The priority of the device in the virtual chassis.

count

juniper.virtual.chassis.started.time.seconds

The time since the virtual chassis started in seconds.

count

juniper.virtual.chassis.model

The model of the virtual chassis.

string

juniper.virtual.chassis.location

The location of the virtual chassis.

string

system.model

The model of the SNMP device.

string

system.serial.no

The serial number of the SNMP device.

string

bgp.peer

The BGP peer identifier or name.

String

bgp.peer.remote.as

The remote AS number associated with the BGP peer.

Count

bgp.peer.status

The status of the BGP peer (e.g., up, down).

String

bgp.local.peer.address

The local IP address of the BGP peer.

String

bgp.remote.peer.address

The remote IP address of the BGP peer.

String

bgp.peer.time

The time when the BGP peer was established.

String

bgp.peer.updated.time

The time when the BGP peer status was last updated.

String

isis.neighbour.last.up.time

The last time the ISIS neighbour came up.

String

isis.neighbour.hold.time

The hold time of the ISIS neighbour.

String

isis.neighbour.system.type

The system type of the ISIS neighbour.

String

isis.neighbour.3way.state

The 3-way state of the ISIS neighbour.

String

isis.neighbour.state

The state of the ISIS neighbour.

String

isis.neighbour

The identifier or name of the ISIS neighbour.

String

isis.neighbour.protocol

The protocol used by the ISIS neighbour.

String

ospf.neighbour.remote.as

The remote AS number associated with the OSPF neighbour.

String

ospf.neighbour.status

The status of the OSPF neighbour (e.g., up, down).

String

ospf.neighbour

The identifier or name of the OSPF neighbour.

String

ip.route

The IP route entry.

String

ip.route.subnet.mask

The subnet mask associated with the IP route.

String

ip.route.last.updated.sec

The time in seconds since the IP route was last updated.

Count

ip.route.protocol

The routing protocol associated with the IP route.

String

ip.route.metric

The metric value of the IP route.

String

ip.route.type

The type of IP route (e.g., static, dynamic).

String

ip.route.next.hop

The next-hop IP address for the IP route.

String

ip.route.last.updated

The last time the IP route was updated.

String

ip.routing.type

The type of IP routing (e.g., unicast, multicast).

String

ip.route.interface.index

The index of the network interface associated with the IP route.

Count

Page Title: juniper-switch

On this page

Juniper

Overview

â€‹

Juniper Switch, the reliable and high-performance network switch solutions by Juniper Networks, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Juniper Switches. Monitor critical network switch metrics such as port utilization, link status, and traffic patterns to ensure smooth and efficient network operation.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.cpu.percent

The CPU utilization percentage of the device.

percentage

system.memory.used.percent

The percentage of memory used in the device.

percentage

fan.sensor

The fan sensor status.

string

fan.sensor.status

The status of the fan sensor (e.g., Running, Ready, Down).

string

power.supply.sensor

The power supply sensor status.

string

power.supply.sensor.status

The status of the power supply sensor (e.g., Running, Down, Standby).

string

juniper.fpc

The status of the Flexible PIC Concentrators (FPC) in the device.

string

juniper.fpc.state

The state of the FPC (e.g., Running, Ready, Down).

string

juniper.fpc.temperature.reading.celsius

The temperature reading of the FPC in degrees Celsius.

count

juniper.fru

The status of the Field Replaceable Units (FRU) in the device.

string

juniper.fru.type

The type of the FRU (e.g., Clock Generator, Switching Forwarding Module).

string

juniper.fru.state

The state of the FRU (e.g., Present, Online, Offline).

string

juniper.fru.temperature.celsius

The temperature of the FRU in degrees Celsius.

count

juniper.fru.uptime

The uptime of the FRU in seconds.

count

juniper.fru.chassis

The chassis of the FRU.

string

juniper.fru.chassis.description

Description of the FRU chassis.

string

juniper.routing.engine.1.cpu.percent

The CPU utilization percentage of Routing Engine 1.

percentage

juniper.routing.engine.2.cpu.percent

The CPU utilization percentage of Routing Engine 2.

percentage

juniper.routing.engine.1.memory.used.percent

The percentage of memory used in Routing Engine 1.

percentage

juniper.routing.engine.2.memory.used.percent

The percentage of memory used in Routing Engine 2.

percentage

juniper.routing.engine.1.temperature.reading.celcius

The temperature reading of Routing Engine 1 in degrees Celsius.

count

juniper.routing.engine.2.temperature.reading.celcius

The temperature reading of Routing Engine 2 in degrees Celsius.

count

juniper.virtual.chassis

The virtual chassis identifier.

string

juniper.virtual.chassis.role

The role of the device in the virtual chassis (e.g., Master, Backup, Linecard).

string

juniper.virtual.chassis.mac.address

The MAC address of the virtual chassis.

string

juniper.virtual.chassis.version

The version of the virtual chassis.

string

juniper.virtual.chassis.priority

The priority of the device in the virtual chassis.

count

juniper.virtual.chassis.started.time.seconds

The time since the virtual chassis started in seconds.

count

juniper.virtual.chassis.model

The model of the virtual chassis.

string

juniper.virtual.chassis.location

The location of the virtual chassis.

string

system.model

The model of the SNMP device.

string

system.serial.no

The serial number of the SNMP device.

string

vlan.name

The name of the VLAN.

String

vlan.status

The status of the VLAN.

String

vlan

The VLAN identifier.

String

vlan.ports

The list of ports associated with the VLAN.

String

vlan.port

The specific port associated with the VLAN.

String

Page Title: lighttpd

On this page

Lighttpd

Overview

â€‹

Lighttpd, the lightweight and high-performance web server, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Lighttpd web servers. Monitor critical web server metrics such as request rates, response times, and CPU usage to ensure optimal handling of web traffic.

Supported Versions

â€‹

Versions

2.9.0.0(Windows)

1.4.45(Linux)

Prerequisites for lighttpd Integration with Motadata AIOps

â€‹

Ensure that the lighttpd port (default: 8081) is open for the Motadata AIOps server.

Confirm that the lighttpd process and service are listed in the process and monitor settings of Motadata AIOps. While these may be listed by default, ensure that the names of the service and process match the specific lighttpd version that you intend to monitor.

Ensure that either HTTP or HTTPS are supported on the lighttpd server.

Provide the necessary credentials, including the username and password, for Motadata AIOps to connect to the lighttpd server.

Confirm that the lighttpd service is active and running on the server.

For agentless monitoring, ensure that the user has the required access for remote access to the

lighttpd server. For agent-based monitoring, this is not required.

In the address area of your browser, type http://

[IP]

/server-status, submit the address, to view the status of the server. Confirm the server availability by following this step.

where

[IP]

 is the IP address of the server where lighttpd is installed

By following these prerequisites, you can integrate lighttpd with Motadata AIOps and ensure the smooth functioning of the monitoring process.

List of Supported KPIs

â€‹

Name

Description

Type

lighthttpd.requests.rate

The rate of requests in Lighthttpd.

Count

lighthttpd.version

The version of Lighthttpd.

String

lighthttpd.busy.servers

The number of busy servers in Lighthttpd.

Count

lighthttpd.traffic.volume.bytes.rate

The rate of traffic volume in bytes in Lighthttpd.

Count

lighthttpd.idle.servers

The number of idle servers in Lighthttpd.

Count

lighthttpd.servers

The total number of servers in Lighthttpd.

Count

started.time

The uptime of the system in seconds.

Count

started.time.sec

The uptime of the system in seconds (additional information).

Count

Page Title: linux-dhcp

On this page

Linux DHCP

Overview

â€‹

Linux DHCP, the dynamic host configuration protocol service on Linux-based systems, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring capabilities. With this integration, organizations gain real-time visibility into the performance and health of their DHCP servers. Monitor critical DHCP metrics such as lease activity, IP address allocation, and server response times to ensure efficient and reliable IP address management.

Prerequisites for Linux DHCP Integration with Motadata AIOps

â€‹

Obtain the configuration file name and lease file name of the Linux DHCP server.

The credentials used to discover the Linux DHCP server should either have root access or the necessary privileges to access the configuration file name and lease file name on the Linux DHCP Server.

Ensure that the Linux DHCP service is active and running on the server.

Confirm that the Linux DHCP process and service are listed in the process and service monitor settings of Motadata AIOps. While these may be listed by default, verify that the names of the service and process match the specific Linux DHCP version that you intend to monitor.

By fulfilling these prerequisites, you can integrate Linux DHCP with Motadata AIOps and ensure effective monitoring and management of your DHCP server.

List of Supported KPIs

â€‹

Name

Description

Type

dhcp.ip.addresses

The total number of DHCP IP addresses

Count

dhcp.active.ip.addresses

The number of currently active DHCP IP addresses

Count

dhcp.abandoned.ip.addresses

The number of abandoned DHCP IP addresses

Count

dhcp.transient.ip.addresses

The number of transient DHCP IP addresses

Count

dhcp.available.ip.addresses

The number of available DHCP IP addresses

Count

dhcp.scopes

The total number of DHCP scopes

Count

dhcp.leased.ip.addresses

The number of leased DHCP IP addresses

Count

dhcp.scope

The DHCP scope name

String

dhcp.scope.subnet.mask

The subnet mask associated with the DHCP scope

String

dhcp.scope.name

The name of the DHCP scope

String

dhcp.scope.free.percent

The percentage of free IP addresses in the DHCP scope

Count

dhcp.scope.utilization.percent

The percentage of utilized IP addresses in the scope

Count

dhcp.scope.ip.addresses

The total number of IP addresses in the DHCP scope

Count

dhcp.scope.active.ip.addresses

The number of currently active IP addresses in the scope

Count

dhcp.scope.available.ip.addresses

The number of available IP addresses in the scope

Count

dhcp.lease

The DHCP lease information

String

dhcp.lease.start.time

The start time of the DHCP lease

String

dhcp.lease.started.time

The time the DHCP lease started

String

dhcp.lease.started.time.sec

The uptime of the DHCP lease in seconds

Count

dhcp.lease.end.time

The end time of the DHCP lease

String

dhcp.lease.binding.state

The binding state of the DHCP lease

String

dhcp.lease.hardware.ethernet

The hardware Ethernet address associated with the lease

String

dhcp.lease.client.hostname

The hostname of the DHCP lease client

String

dhcp.lease.rewind.binding.state

The rewind binding state of the DHCP lease

String

dhcp.lease.next.binding.state

The next binding state of the DHCP lease

String

dhcp.pool.utilization.percent

The percentage of utilized IP addresses in the pool

Count

dhcp.pool.free.percent

The percentage of free IP addresses in the pool

Count

dhcp.pool

The DHCP pool identifier

Count

dhcp.pool.network

The network associated with the DHCP pool

Count

dhcp.pool.ip.addresses

The total number of IP addresses in the DHCP pool

Count

dhcp.pool.active.ip.addresses

The number of currently active IP addresses in the pool

Count

dhcp.pool.abandoned.ip.addresses

The number of abandoned IP addresses in the pool

Count

dhcp.pool.transient.ip.addresses

The number of transient IP addresses in the pool

Count

Page Title: mariadb

On this page

Maria DB

Overview

â€‹

MariaDB, the robust and open-source relational database management system, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring capabilities. With this integration, organizations gain real-time visibility into the performance and health of their MariaDB databases. Monitor critical database metrics such as query execution times, transaction rates, and storage utilization to ensure efficient data processing and retrieval.

Supported Versions

â€‹

Versions

10.3 (windows)

10.4.13 (linux)

Prerequisites for MariaDB Integration with Motadata AIOps:

â€‹

Ensure that the MariaDB port (default: 3306) is open for the Motadata AIOps server.

Ensure you have the necessary credentials, including the username and password, for Motadata AIOps to connect to the MariaDB database.

Ensure that JDBC is supported on the server where MariaDB Database is configured.

For agentless monitoring, ensure that the user has the required access for remote access to the MariaDB server. For agent-based monitoring, this is not required.

Ensure that the MariaDB service is active and running on the server.

Ensure you have the name of the MariaDB database that you want to monitor.

Confirm that the MariaDB process and service are listed in the process and service monitor settings

of Motadata AIOps. While these may be listed by default, verify that the names of the service and process match the specific MariaDB version that you intend to monitor.

By following these prerequisites, you can integrate MariaDB with Motadata AIOps and ensure smooth functioning of the monitoring process.

List of Supported KPIs

â€‹

Name

Description

Type

system.tags

The tags associated with the system

String

mariadb.connections

The number of active connections to MariaDB

Count

mariadb.query.cache.hit.ratio.percent

The percentage of queries served by the cache

Count

mariadb.aborted.clients

The number of client connections aborted

Count

mariadb.aborted.connections

The number of server connections aborted

Count

mariadb.opened.connections

The number of new connections opened

Count

mariadb.update.commands.rate

The rate of update commands executed

Count

mariadb.key.buffer.size.bytes

The size of the key buffer in bytes

Count

mariadb.key.used.blocks

The number of key blocks used in the key cache

Count

mariadb.installation.directory

The installation directory of MariaDB

String

mariadb.data.directory

The data directory of MariaDB

String

mariadb.version

The version of MariaDB

String

mariadb.received.bytes.rate

The rate of received bytes

Count

mariadb.sent.bytes.rate

The rate of sent bytes

Count

mariadb.questions

The number of queries sent to MariaDB

Count

mariadb.delayed.errors

The number of delayed insert errors

Count

mariadb.delayed.writes

The number of delayed writes to disk

Count

mariadb.flushes.rate

The rate at which data is flushed to disk

Count

mariadb.key.read.requests.rate

The rate of read requests to key cache

Count

mariadb.key.writes.rate

The rate of writes to the key cache

Count

mariadb.key.write.requests.rate

The rate of write requests to key cache

Count

mariadb.not.flushed.delayed.rows

The number of delayed rows not yet flushed

Count

mariadb.deleted.rows.rate

The rate of rows deleted from tables

Count

mariadb.inserted.rows.rate

The rate of rows inserted into tables

Count

mariadb.next.row.reads.rate

The rate of reads to the next row

Count

mariadb.read.keys.rate

The rate of keys read from key cache

Count

mariadb.updated.rows.rate

The rate of rows updated in tables

Count

mariadb.delayed.insert.threads

The number of threads handling delayed insert

Count

mariadb.slow.launch.threads

The number of threads with slow launch time

Count

mariadb.cached.threads

The number of threads in the thread cache

Count

mariadb.connected.threads

The number of currently connected threads

Count

mariadb.created.threads

The number of threads created

Count

mariadb.running.threads

The number of currently running threads

Count

mariadb.thread.cache.size.bytes

The size of the thread cache in bytes

Count

mariadb.open.tables

The number of currently open tables

Count

mariadb.open.files

The number of open files in MariaDB

Count

mariadb.open.streams

The number of open streams in MariaDB

Count

mariadb.select.full.joins.rate

The rate of full join operations in MariaDB

Count

mariadb.select.ranges.rate

The rate of range select operations in MariaDB

Count

mariadb.select.range.checks.rate

The rate of range check operations in MariaDB

Count

mariadb.select.scans.rate

The rate of table scan operations in MariaDB

Count

mariadb.slave.opened.temp.tables

The number of temporary tables opened by slaves

Count

mariadb.slow.queries

The number of slow queries in MariaDB

Count

mariadb.sort.merge.passes.rate

The rate of merge passes in sorting operations

Count

mariadb.sort.ranges.rate

The rate of range sort operations in MariaDB

Count

mariadb.table.lock.waits

The number of table lock waits in MariaDB

Count

mariadb.table.immediate.locks

The number of immediate table locks in MariaDB

Count

mariadb.created.temp.disk.tables.rate

The rate of temporary disk tables created

Count

mariadb.created.temp.files.rate

The rate of temporary files created

Count

mariadb.created.temp.tables.rate

The rate of temporary tables created

Count

mariadb.query.cache.size.bytes

The size of the query cache in bytes

Count

mariadb.query.cache.hits

The number of queries served from the cache

Count

mariadb.query.cache.inserts

The number of queries inserted into the cache

Count

mariadb.key.hit.ratio.percent

The percentage of key hits in MariaDB

Count

mariadb.delete.multi.commands.rate

The rate of multi-delete commands in MariaDB

Count

mariadb.select.commands.rate

The rate of select commands in MariaDB

Count

mariadb.delete.commands.rate

The rate of delete commands in MariaDB

Count

mariadb.insert.commands.rate

The rate of insert commands in MariaDB

Count

mariadb.key.reads.rate

The rate of key reads in MariaDB

Count

started.time

The time when the server was started

Count

started.time.sec

The uptime of the server in seconds

Count

mariadb.process.user

The user associated with the process

String

mariadb.process.state

The current state of the process

String

mariadb.process.command

The command executed by the process

String

mariadb.process.db

The database associated with the process

String

mariadb.process.info

Additional information about the process

String

mariadb.process.id

The unique identifier of the process

Count

mariadb.process.host

The host on which the process is running

String

mariadb.process.time.ms

The time spent by the process in milliseconds

String

mariadb.innodb.buffer.pool.pages.data

The number of data pages in the InnoDB buffer pool

Count

mariadb.innodb.buffer.pool.dirty.pages

The number of dirty pages in the InnoDB buffer pool

Count

mariadb.innodb.buffer.pool.flush.pages.rate

The rate of flushing pages from the InnoDB buffer pool

Count

mariadb.innodb.buffer.pool.free.pages

The number of free pages in the InnoDB buffer pool

Count

mariadb.innodb.buffer.pool.misc.pages

The number of miscellaneous pages in the InnoDB buffer pool

Count

mariadb.innodb.buffer.pool.pages

The total number of pages in the InnoDB buffer pool

Count

mariadb.innodb.buffer.pool.random.ahead.reads

The number of random ahead reads in the InnoDB buffer pool

Count

mariadb.innodb.buffer.pool.read.requests.rate

The rate of read requests to the InnoDB buffer pool

Count

mariadb.innodb.buffer.pool.reads.rate

The rate of reads from the InnoDB buffer pool

Count

mariadb.innodb.buffer.pool.free.waits

The number of waits for free pages in the InnoDB buffer pool

Count

mariadb.innodb.buffer.pool.write.requests.rate

The rate of write requests to the InnoDB buffer pool

Count

mariadb.innodb.data.fsyncs.rate

The rate of data fsyncs in the InnoDB storage engine

Count

mariadb.innodb.data.pending.fsyncs

The number of pending data fsyncs in the InnoDB storage engine

Count

mariadb.innodb.data.pending.reads

The number of pending data reads in the InnoDB storage engine

Count

mariadb.innodb.data.pending.writes

The number of pending data writes in the InnoDB storage engine

Count

mariadb.innodb.data.reads.rate

The rate of data reads from the InnoDB storage engine

Count

mariadb.innodb.data.writes.rate

The rate of data writes to the InnoDB storage engine

Count

mariadb.innodb.double.write.written.pages.rate

The rate of written pages by the InnoDB double write mechanism

Count

mariadb.innodb.double.write.writes.rate

The rate of writes by the InnoDB double write mechanism

Count

mariadb.innodb.log.waits.rate

The rate of log waits in the InnoDB storage engine

Count

mariadb.innodb.log.write.requests.rate

The rate of log write requests in the InnoDB storage engine

Count

mariadb.innodb.log.writes.rate

The rate of log writes in the InnoDB storage engine

Count

mariadb.innodb.os.log.fsyncs.rate

The rate of OS log fsyncs in the InnoDB storage engine

Count

mariadb.innodb.os.log.pending.fsyncs

The number of pending OS log fsyncs in the InnoDB storage engine

Count

mariadb.innodb.os.log.pending.writes

The number of pending OS log writes in the InnoDB storage engine

Count

mariadb.innodb.os.log.written.rate

The rate of OS log writes in the InnoDB storage engine

Count

mariadb.innodb.page.size.bytes

The size of an InnoDB page in bytes

Count

mariadb.innodb.created.pages.rate

The rate of created pages in the InnoDB storage engine

Count

mariadb.innodb.read.pages.rate

The rate of read pages from the InnoDB storage engine

Count

mariadb.innodb.written.pages.rate

The rate of written pages in the InnoDB storage engine

Count

mariadb.innodb.row.lock.current.waits

The current number of row lock waits in the InnoDB storage engine

Count

mariadb.innodb.row.lock.time.ms

The total time spent in row lock waits in the InnoDB storage engine

Count

mariadb.innodb.average.row.lock.time.ms

The average time spent in row lock waits in the InnoDB storage engine

Count

mariadb.innodb.row.lock.waits

The total number of row lock waits in the InnoDB storage engine

Count

mariadb.innodb.deleted.rows.rate

The rate of deleted rows in the InnoDB storage engine

Count

mariadb.innodb.inserted.rows.rate

The rate of inserted rows in the InnoDB storage engine

Count

mariadb.innodb.read.rows.rate

The rate of read rows from the InnoDB storage engine

Count

mariadb.innodb.update.rows.rate

The rate of updated rows in the InnoDB storage engine

Count

mariadb.admin.commands

The number of administrative commands executed

Count

mariadb.analyze.commands

The number of analyze commands executed

Count

mariadb.change.database.commands

The number of change database commands executed

Count

mariadb.change.master.commands

The number of change master commands executed

Count

mariadb.check.commands

The number of check commands executed

Count

mariadb.create.database.commands

The number of create database commands executed

Count

mariadb.drop.database.commands

The number of drop database commands executed

Count

mariadb.flush.commands.rate

The rate of flush commands executed

Count

mariadb.grant.commands

The number of grant commands executed

Count

mariadb.kill.commands

The number of kill commands executed

Count

mariadb.optimize.commands

The number of optimize commands executed

Count

mariadb.repair.commands

The number of repair commands executed

Count

mariadb.reset.commands

The number of reset commands executed

Count

mariadb.revoke.commands

The number of revoke commands executed

Count

mariadb.alter.table.commands

The number of alter table commands executed

Count

mariadb.create.function.commands

The number of create function commands executed

Count

mariadb.create.index.commands

The number of create index commands executed

Count

mariadb.create.table.commands

Number of Mariadb create table commands executed

Count

mariadb.drop.function.commands

Number of Mariadb drop function commands executed

Count

mariadb.drop.index.commands

Number of Mariadb drop index commands executed

Count

mariadb.drop.table.commands

Number of Mariadb drop table commands executed

Count

mariadb.rename.table.commands

Number of Mariadb rename table commands executed

Count

mariadb.handler.close.commands

Number of Mariadb handler close commands executed

Count

mariadb.handler.open.commands

Number of Mariadb handler open commands executed

Count

mariadb.handler.read.commands

Number of Mariadb handler read commands executed

Count

mariadb.set.option.commands

Number of Mariadb set option commands executed

Count

mariadb.insert.select.commands

Number of Mariadb insert select commands executed

Count

mariadb.load.commands

Number of Mariadb load commands executed

Count

mariadb.purge.commands

Number of Mariadb purge commands executed

Count

mariadb.replace.commands

Number of Mariadb replace commands executed

Count

mariadb.replace.select.commands

Number of Mariadb replace select commands executed

Count

mariadb.truncate.commands

Number of Mariadb truncate commands executed

Count

mariadb.show.binary.log.commands

Number of Mariadb show binary log commands executed

Count

mariadb.show.binary.log.event.commands

Number of Mariadb show binary log event commands executed

Count

mariadb.show.database.commands

Number of Mariadb show database commands executed

Count

mariadb.show.field.commands

Number of Mariadb show field commands executed

Count

mariadb.show.grant.commands

Number of Mariadb show grant commands executed

Count

mariadb.show.key.commands

Number of Mariadb show key commands executed

Count

mariadb.show.master.status.commands

Number of Mariadb show master status commands executed

Count

mariadb.show.open.table.commands

Number of Mariadb show open table commands executed

Count

mariadb.show.processlist.commands

Number of Mariadb show processlist commands executed

Count

mariadb.show.slave.host.commands

Number of Mariadb show slave host commands executed

Count

mariadb.show.slave.status.commands

Number of Mariadb show slave status commands executed

Count

mariadb.show.table.commands

Number of Mariadb show table commands executed

Count

mariadb.show.variable.commands

Number of Mariadb show variable commands executed

Count

mariadb.show.status.commands

Number of Mariadb show status commands executed

Count

mariadb.begin.transaction.commands.rate

Rate of Mariadb begin transaction commands

Count

mariadb.commit.transaction.commands.rate

Rate of Mariadb commit transaction commands

Count

mariadb.lock.table.commands

Number of Mariadb lock table commands executed

Count

mariadb.rollback.transaction.commands.rate

Rate of Mariadb rollback transaction commands

Count

mariadb.unlock.table.commands

Number of Mariadb unlock table commands executed

Count

mariadb.show.engine.log.commands

Number of Mariadb show engine log commands executed

Count

Page Title: meraki-wireless

On this page

Windows Meraki Wireless

Overview

â€‹

Meraki Wireless, the cloud-managed wireless networking solution by Cisco Meraki, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Meraki wireless infrastructure. Monitor critical wireless network metrics such as client connections, signal strength, and access point utilization to ensure seamless and reliable wireless connectivity.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.temperature

The temperature of the wireless controller.

Count

system.cpu.percent

The CPU utilization percentage of the wireless controller.

Percentage

system.disk.percent

The disk usage percentage of the wireless controller.

Percentage

system.memory.used.percent

The memory usage percentage of the wireless controller.

Percentage

system.memory.used.percent

The memory usage percentage of the wireless controller.

Percentage

system.temperature

The temperature of the wireless controller.

Count

system.cpu.percent

The CPU utilization percentage of the wireless controller.

Percentage

system.memory.used.percent

The memory usage percentage of the wireless controller.

Percentage

Page Title: microsoft-azure

On this page

Microsoft Azure

Overview

â€‹

Microsoft Azure, commonly referred to as Azure, is a cloud computing platform and set of services provided by Microsoft. It offers a comprehensive suite of cloud services, including infrastructure as a service (IaaS), platform as a service (PaaS), and software as a service (SaaS) options. Azure allows organizations to build, deploy, and manage applications and services across a global network of data centers.

Prerequisites

â€‹

You can

check the list of prerequisites

 required for Azure Application Gateway here. These are the same for any other Azure service that you need to monitor using AIOps. Move to the section

Adding Azure resources for Monitoring

 on the above link to view the prerequisites for Azure resource monitoring.

List of Supported KPIs

â€‹

Microsoft Azure Application Gateway

â€‹

Name

Description

Type

azure.sku.name

SKU Name

String

azure.location

Location of the Azure resource

String

azure.type

Type of the Azure resource

String

azure.application.gateway

Azure Application Gateway

String

azure.provisioning.state

Provisioning state of the Azure resource

String

azure.service.resource.group

Resource group of the Azure service

String

azure.service

Azure service name

String

azure.etag

Etag (entity tag) of the Azure resource

String

azure.name

Name of the Azure resource

String

azure.application.gateway.subscription

Subscription associated with the Application Gateway

String

azure.service.type

Type of the Azure service

String

Microsoft Azure CDN

â€‹

Name

Description

Type

azure.cdn

CDN

String

azure.location

Location of the Azure resource

String

azure.type

Type of the Azure resource

String

status

Status of the CDN

String

azure.service.type

Type of the Azure service

String

azure.service.resource.group

Resource group of the Azure service

String

azure.service

Azure service name

String

azure.cdn.subscription

Subscription associated with the CDN

String

azure.name

Name of the Azure resource

String

azure.status

Azure Status

String

Microsoft Azure CosmosDB

â€‹

Name

Description

Type

azure.cosmos.db.read.locations

Cosmos DB read locations

String

azure.location

Location of the Azure resource

String

azure.type

Type of the Azure resource

String

azure.provisioning.state

Provisioning state of the Azure resource

String

azure.service.type

Type of the Azure service

String

azure.service.resource.group

Resource group of the Azure service

String

azure.service

Azure service name

String

azure.cosmos.db.region.id

Cosmos DB region ID

String

azure.cosmos.db.write.locations

Cosmos DB write locations

String

azure.cosmos.db.subscription

Subscription associated with the Cosmos DB

String

azure.cosmos.db.document.endpoint

Cosmos DB document endpoint

String

azure.cosmos.db

Cosmos DB

String

Microsoft Azure Functions

Name

Description

Type

azure.function

Azure Function

String

azure.location

Location of the Azure resource

String

azure.type

Type of the Azure resource

String

azure.function.app.subscription

Function App subscription

String

azure.service.resource.group

Resource group of the Azure service

String

azure.service

Azure service name

String

azure.status

Azure status

String

azure.name

Name of the Azure resource

String

status

Status of the Azure resource

String

azure.service.type

Type of the Azure service

String

Microsoft Azure Load Balancer

â€‹

Name

Description

Type

azure.sku.name

SKU name of the load balancer

String

azure.location

Geographic location of the resource

String

azure.type

Type of the load balancer

String

azure.loadbalancer.subscription

Subscription associated with the load balancer

String

azure.provisioning.state

Current provisioning state of the load balancer

String

azure.service.resource.group

Resource group of the load balancer

String

azure.service

Service name of the load balancer

String

azure.etag

Etag (entity tag) of the load balancer

String

azure.name

Name of the load balancer

String

azure.loadbalancer

Azure Load Balancer

String

azure.service.type

Type of service associated with the load balancer

String

Microsoft Azure

Name

Description

Type

azure.functions

Count of Azure Functions

Count

azure.vmscaleset.instances

Count of VM Scale Set Instances

Count

azure.webapps

Count of WebApps

Count

azure.sql.databases

Count of SQL Databases

Count

azure.cosmosdb.instances

Count of CosmosDB Instances

Count

azure.vms

Count of VMs

Count

azure.application.gateway.instances

Count of Application Gateway Instances

Count

azure.servicebus.instances

Count of Service Bus Instances

Count

azure.cdn.profiles

Count of CDN Profiles

Count

azure.storage.accounts

Count of Storage Accounts

Count

azure.loadbalancer.instances

Count of LoadBalancer Instances

Count

Azure SQL Database

â€‹

Name

Description

Type

azure.sql.database.server.fqdn

SQL Database Server FQDN

String

azure.location

Location of the SQL database

String

azure.service.resource.group

Resource group of the SQL database

String

azure.service

Service associated with the SQL database

String

azure.status

Status of the Azure SQL database

String

azure.name

Name of the Azure SQL database instance

String

status

Status of the SQL database instance

String

azure.service.type

Type of the Azure SQL database

String

azure.sql.database.creation.time

Creation time of the SQL database

String

azure.sql.database.creation.time.seconds

Creation time of the SQL database in seconds

String

azure.sql.database.server

SQL Database Server

String

azure.sql.database.subscription

Subscription associated with the SQL database

String

azure.sql.database

SQL Database

String

azure.sql.database.storage.size.bytes

Storage size of the SQL database in bytes

String

azure.sql.database.earliest.restore.date

Earliest restore date of the SQL database

String

Microsoft Azure Storage

Name

Description

Type

azure.storage.state

State of the storage

String

azure.storage.location

Location of the storage

String

azure.storage.creation.time

Creation time of the storage

String

azure.provisioning.state

Provisioning state of the storage

String

azure.service.resource.group

Resource group of the storage

String

azure.service

Service associated with the storage

String

azure.storage.creation.time.seconds

Creation time of the storage in seconds

String

azure.service.type

Type of the storage service

String

azure.storage.subscription

Subscription of the storage

String

azure.storage

Storage name

String

Microsoft Azure VM

Name

Description

Type

azure.location

Location of the virtual machine

String

azure.service.resource.group

Resource group of the virtual machine

String

azure.service

Service associated with the virtual machine

String

azure.service.type

Type of the virtual machine

String

azure.sku.name

SKU name of the virtual machine

String

azure.vm.private.ip.address

Private IP address of the virtual machine

String

azure.provisioning.state

Provisioning state of the virtual machine

String

azure.vm.size

Size of the virtual machine

String

azure.vm.computer.name

Computer name of the virtual machine

String

azure.vm.public.ip.address

Public IP address of the virtual machine

String

azure.vm.subscription

Subscription of the virtual machine

String

azure.type

Type of the virtual machine

String

azure.vm.os.disk

OS disk information of the virtual machine

String

azure.vm.publisher

Publisher of the virtual machine

String

azure.vm

Virtual machine name

String

azure.vm.os.type

Operating system type of the virtual machine

String

status

Status of the virtual machine

String

azure.status

Azure status of the virtual machine

String

Microsoft Azure VM Scaleset

â€‹

Name

Description

Type

azure.location

Location of the VM scale set

String

azure.service.resource.group

Resource group of the VM scale set

String

azure.service

Service associated with the VM scale set

String

azure.service.type

Type of the VM scale set

String

azure.vmscaleset.subscription

Subscription of the VM scale set

String

azure.sku.name

SKU name of the VM scale set

String

azure.vmscaleset

VM scale set name

String

Microsoft Azure Web App

â€‹

Name

Description

Type

azure.webapp

Web App name

String

azure.location

Location of the Web App

String

azure.webapp.subscription

Subscription of the Web App

String

azure.service.resource.group

Resource group of the Web App

String

azure.service

Service associated with the Web App

String

azure.webapp.default.host

Default host of the Web App

String

status

Status

String

azure.status

Azure status

String

azure.service.type

Type of the service

String

Microsoft Azure Service Bus

â€‹

Name

Description

Type

azure.servicebus

The name of the Azure Service Bus instance.

String

azure.location

The location where the Service Bus instance is deployed.

String

azure.servicebus.creation.time

The creation time of the Service Bus instance.

String

azure.service.resource.group

The resource group of the Service Bus instance.

String

azure.service

The service associated with the Service Bus instance.

String

azure.status

The status of the Azure service.

String

azure.name

The name of the Service Bus.

String

status

The status of the service.

String

azure.service.type

The type of the Azure service.

String

azure.servicebus.creation.time.seconds

The creation time of the Service Bus instance in seconds.

String

azure.servicebus.subscription

The subscription of the Service Bus instance.

String

azure.sku.name

The SKU name of the Service Bus instance.

String

azure.type

The type of the Azure resource.

String

Page Title: microsoft-exchange

On this page

Microsoft Exchange

Overview

â€‹

Microsoft Exchange, the widely used email and calendaring server solution, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time insights into the performance and health of their Exchange servers and services. Monitor critical email and messaging metrics, mailbox sizes, and server resource utilization to ensure efficient communication and collaboration.

Supported Versions

â€‹

Application

Versions

Exchange Mailbox Role

14,15

Exchange Client Access Role

14,15

Exchange Edge Transport Role

14,15

List of Supported KPIs

â€‹

Exchange Mailbox Role

â€‹

Name

Description

Type

exchange.mailbox

The name of the Exchange mailbox.

String

exchange.mailbox.display.name

The display name of the Exchange mailbox.

String

exchange.mailbox.email.address

The email address associated with the Exchange mailbox.

String

exchange.mailbox.server

The server hosting the Exchange mailbox.

String

exchange.mailbox.database

The database where the Exchange mailbox is located.

String

exchange.mailbox.whitespace.size.bytes

The size in bytes of the whitespace in the Exchange mailbox.

Count

exchange.mailbox.items

The total number of items in the Exchange mailbox.

Count

exchange.mailbox.prohibit.send.quota.bytes

The maximum size in bytes allowed for sending emails from the Exchange mailbox.

Count

exchange.mailbox.last.login

The timestamp of the last login to the Exchange mailbox.

String

exchange.mailbox.average.mail.size.bytes

The average size in bytes of the emails in the Exchange mailbox.

Count

exchange.mailbox.size.bytes

The total size in bytes of the Exchange mailbox.

Count

exchange.mailbox.prohibit.send.or.receive.quota.bytes

The maximum size in bytes allowed for sending or receiving emails in the Exchange mailbox.

Count

exchange.mailbox.issue.warning.quota.bytes

The size in bytes at which a warning is issued for the Exchange mailbox.

Count

exchange2010.mailbox.role.active.client.logons

The number of active client logons in the Exchange 2010 Mailbox Role.

Count

exchange2010.mailbox.role.client.rpc.fails.per.sec

The number of RPC fails per second in the Exchange 2010 Mailbox Role.

Count

exchange2010.mailbox.role.client.rpc.server.busy.fails.per.sec

The number of RPC server busy fails per second in the Exchange 2010 Mailbox Role.

Count

exchange2010.mailbox.role.hub.retry.servers

The number of hub retry servers in the Exchange 2010 Mailbox Role.

Count

exchange2010.mailbox.role.active.connections

The number of active connections in the Exchange 2010 Mailbox Role.

Count

exchange2010.mailbox.role.active.users

The number of active users in the Exchange 2010 Mailbox Role.

Count

exchange2010.mailbox.role.information.store.rpc.backoff.clients.per.sec

The number of RPC backoff clients per second in the Exchange 2010 Mailbox Role Information

Store.

Count

exchange2010.mailbox.role.replication.receive.queue.length

The length of the replication receive queue in the Exchange 2010 Mailbox Role.

Count

exchange2010.mailbox.role.log.copy.latency.ms

The latency in milliseconds for log copy operations in the Exchange 2010 Mailbox Role.

Count

exchange2010.mailbox.role.search.slow.finds

The number of slow finds in search operations in the Exchange 2010 Mailbox Role.

Count

exchange2010.mailbox.role.search.tasks.per.sec

The number of search tasks per second in the Exchange 2010 Mailbox Role.

Count

exchange2010.mailbox.role.slow.query.processor.threads

The number of slow query processor threads in the Exchange 2010 Mailbox Role.

Count

exchange2010.mailbox.role.slow.search.threads

The number of slow search threads in the Exchange 2010 Mailbox Role.

Count

exchange2010.mailbox.role.information.store.mailbox.queued.messages

The number of queued messages in the Exchange 2010 Mailbox Role Information Store for mailboxes.

Count

exchange2010.mailbox.role.information.store.public.queued.messages

The number of queued messages in the Exchange 2010 Mailbox Role Information Store for public folders.

Count

exchange2010.mailbox.role.document.indexing.time.ms

The time in milliseconds for document indexing in the Exchange 2010 Mailbox Role.

Count

exchange2010.mailbox.role.content.obtain.rpc.latency.ms

The latency in milliseconds for obtaining content through RPC in the Exchange 2010 Mailbox Role.

Count

exchange2010.mailbox.role.index.service.cpu.percent

The CPU usage percentage of the index service in the Exchange 2010 Mailbox Role.

Count

exchange2010.mailbox.role.search.index.service.bytes

The number of bytes used by the search index service in the Exchange 2010 Mailbox Role.

Count

exchange.mailbox.role.mailbox.assistant.memory.bytes

The amount of memory in bytes used by the Mailbox Assistant in the Exchange Mailbox Role.

Count

exchange.mailbox.role.witness.share.in.use

Indicates whether the witness share is in use in the Exchange Mailbox Role.

String

exchange.mailbox.role.information.store.rpc.request.sends.per.sec

The number of RPC request sends per second in the Exchange Mailbox Role Information Store.

Count

exchange.mailbox.role.information.store.rpc.requests

The number of RPC requests in the Exchange Mailbox Role Information Store.

Count

exchange.mailbox.role.information.store.rop.outstanding.requests

The number of outstanding ROP (Remote Operations) requests in the Exchange Mailbox Role Information Store.

Count

exchange.mailbox.role.operational.servers

The number of operational servers in the Exchange Mailbox Role.

Count

exchange.mailbox.role.dag

The number of DAG (Database Availability Group) in the Exchange Mailbox Role.

Count

exchange.mailbox.role.calendar.attendant.failed.requests

The number of failed requests handled by the Calendar Attendant in the Exchange Mailbox Role.

Count

exchange.mailbox.role.primary.active.manager

The primary active manager in the Exchange Mailbox Role.

String

exchange.mailbox.role.mail.succeed.submissions.per.sec

The number of successful mail submissions per second in the Exchange Mailbox Role.

Count

exchange.mailbox.role.log.replay.pending.syncs.per.sec

The number of pending log replay syncs per second in the Exchange Mailbox Role.

Count

exchange.mailbox.role.information.store.rpc.outstanding.requests

The number of outstanding RPC requests in the Exchange Mailbox Role Information Store.

Count

exchange.mailbox.role.alternate.witness.server

The alternate witness server in the Exchange Mailbox Role.

Count

exchange.mailbox.role.mailbox.assistant.cpu.percent

The CPU usage percentage of the Mailbox Assistant in the Exchange Mailbox Role.

Count

exchange.mailbox.role.information.store.rop.failed.request.ratio.percent

The percentage of failed ROP (Remote Operations) requests in the Exchange Mailbox Role Information Store.

Count

exchange.mailbox.role.network.names

The number of network names in the Exchange Mailbox Role.

Count

exchange.mailbox.role.mail.temporary.failed.submissions.per.sec

The number of temporarily failed mail submissions per second in the Exchange Mailbox Role.

Count

exchange.mailbox.role.replay.queue.length

The length of the replay queue in the Exchange Mailbox Role.

Count

exchange.mailbox.role.alternate.witness.directory

The directory of the alternate witness server in the Exchange Mailbox Role.

String

exchange.mailbox.role.mailboxes

The mailboxes in the Exchange Mailbox Role.

String

exchange.mailbox.role.search.service.cpu.percent

The CPU usage percentage of the search service in the Exchange Mailbox Role.

Count

exchange.mailbox.role.log.replay.generations.per.sec

The number of log replay generations per second in the Exchange Mailbox Role.

Count

exchange.mailbox.role.mail.failed.submissions.per.sec

The number of failed mail submissions per second in the Exchange Mailbox Role.

Count

exchange.mailbox.role.resource.booking.failed.requests

The number of failed resource booking requests in the Exchange Mailbox Role.

Count

exchange.mailbox.role.information.store.rpc.latency.ms

The latency of RPC requests in the Exchange Mailbox Role Information Store.

Count

exchange.mailbox.role.information.store.interface.rpc.request.latency.ms

The latency of interface RPC requests in the Exchange Mailbox Role Information Store.

Count

exchange.version

The version of Exchange.

String

exchange.mailbox.role.calendar.attendant.processing.time

The processing time of the Calendar Attendant in the Exchange Mailbox Role.

Count

exchange.mailbox.role.dag.witness.directory

The directory of the DAG (Database Availability Group) witness in the Exchange Mailbox Role.

String

exchange.mailbox.role.copy.queue.length

The length of the copy queue in the Exchange Mailbox Role.

Count

exchange.mailbox.role.information.store.rpc.slow.request.ratio.percent

The percentage of slow RPC requests in the Exchange Mailbox Role Information Store.

Count

exchange.mailbox.role.witness.server

The witness server in the Exchange Mailbox Role.

Count

exchange.mailbox.role.resource.booking.attendant.processing.time

The processing time of the resource booking attendant in the Exchange Mailbox Role.

Count

exchange.mailbox.role.information.store.rpc.slow.request.latency.ms

The latency of slow RPC requests in the Exchange Mailbox Role Information Store.

Count

exchange.mailbox.role.log.copy.bytes.per.sec

The number of bytes copied per second in the Exchange Mailbox Role log.

Count

exchange.mailbox.role.search.service.memory.bytes

The memory usage of the Search Service in the Exchange Mailbox Role.

Count

exchange.mailbox.role.replication.port

The port used for replication in the Exchange Mailbox Role.

String

started.time

The start time of the system.

Strings

started.time.sec

The uptime of the system in seconds.

Count

system.tags

The tags associated with the system.

String

exchange.mailbox.role.2016.log.write.bytes.per.sec

The number of bytes written to the log per second in the Exchange Mailbox Role 2016.

Count

exchange.mailbox.role.2016.log.record.stalls.per.sec

The number of log record stalls per second in the Exchange Mailbox Role 2016.

Count

exchange.mailbox.role.2016.database.cache.size.bytes

The size of the database cache in bytes in the Exchange Mailbox Role 2016.

Count

exchange.mailbox.role.2016.database.page.fault.stalls.per.sec

The number of page fault stalls per second in the Exchange Mailbox Role 2016.

Count

exchange.mailbox.role.2016.log.waiting.threads

The number of waiting threads for log operations in the Exchange Mailbox Role 2016.

Count

exchange.mailbox.role.2016.database.write.latency.ms

The latency of database write operations in milliseconds in the Exchange Mailbox Role 2016.

Count

exchange.mailbox.role.2016.database.cache.hit.ratio.percent

The cache hit ratio of the database in the Exchange Mailbox Role 2016.

Count

exchange.mailbox.role.io.log.write.latency.ms

The latency of writing to the log in the Exchange Mailbox Role.

Count

exchange.mailbox.role.database.version.bucket.allocations

The number of bucket allocations in the database in the Exchange Mailbox Role.

Count

exchange.mailbox.role.database.read.latency.ms

The latency of reading from the database in the Exchange Mailbox Role.

Count

exchange.mailbox.role.io.log.read.latency.ms

The latency of reading from the log in the Exchange Mailbox Role.

Count

exchange.mailbox.role.mailbox.assistant.database

The database associated with the Mailbox Assistant in the Exchange Mailbox Role.

String

exchange.mailbox.role.mailbox.assistant.database.processing.time.ms

The processing time of the Mailbox Assistant database in milliseconds in the Exchange Mailbox Role.

Count

exchange.mailbox.role.mailbox.assistant.database.event.polls.per.sec

The number of event polls per second in the Mailbox Assistant database in the Exchange Mailbox Role.

Count

exchange.mailbox.role.mailbox.assistant.database.event.queue.length

The length of the event queue in the Mailbox Assistant database in the Exchange Mailbox Role.

Count

exchange.mailbox.role.mailbox.assistant.database.processes.per.sec

The number of processes per second in the Mailbox Assistant database in the Exchange Mailbox Role.

Count

exchange.mailbox.role.replication.check

The replication check status in the Exchange Mailbox Role.

String

exchange.mailbox.role.replication.check.error

The replication check error message in the Exchange Mailbox Role.

String

exchange.mailbox.role.replication.check.result

The result of the replication check in the Exchange Mailbox Role.

String

exchange.mailbox.role.replication.check.server

The server associated with the replication check in the Exchange Mailbox Role.

String

exchange.mailbox.role.mailbox.database.mailboxes

The mailboxes associated with the Mailbox Database in the Exchange Mailbox Role.

String

exchange.mailbox.role.mailbox.database.server

The server associated with the Mailbox Database in the Exchange Mailbox Role.

String

exchange.mailbox.role.mailbox.database

The mailbox database in the Exchange Mailbox Role.

String

exchange.mailbox.role.mailbox.database.status

The status of the mailbox database in the Exchange Mailbox Role.

String

exchange.mailbox.role.mailbox.database.white.space.bytes

The amount of white space in the mailbox database in bytes in the Exchange Mailbox Role.

Count

exchange.mailbox.role.mailbox.database.size.bytes

The size of the mailbox database in bytes in the Exchange Mailbox Role.

Count

exchange.mailbox.role.mailbox.database.replay.queue.length

The length of the replay queue in the mailbox database in the Exchange Mailbox Role.

Count

exchange.mailbox.role.mailbox.database.copy.queue.length

The length of the copy queue in the mailbox database in the Exchange Mailbox Role.

Count

exchange.mailbox.role.mailbox.database.content.index.state

The state of the content index in the mailbox database in the Exchange Mailbox Role.

Count

exchange.mailbox.role.mailbox.database.last.inspected.log.time

The timestamp of the last inspected log in the mailbox database in the Exchange Mailbox Role.

String

exchange.mailbox.role.mailbox.database.activation.preference

The activation preference of the mailbox database in the Exchange Mailbox Role.

Count

exchange.mailbox.role.mailbox.database.2016.mailbox.avg.size.bytes

The average size of mailboxes in the 2016 mailbox database in bytes in the Exchange Mailbox Role.

Count

exchange.mailbox.role.mailbox.assistant

The Mailbox Assistant in the Exchange Mailbox Role.

Count

exchange.mailbox.role.mailbox.assistant.event.process.time.ms

The processing time of events by the Mailbox Assistant in milliseconds in the Exchange Mailbox Role.

Count

exchange.mailbox.role.mailbox.assistant.event.queue.length

The length of the event queue in the Mailbox Assistant in the Exchange Mailbox Role.

Count

exchange.2016.referral.rpc.request.latency.ms

The latency of referral RPC requests in Exchange 2016.

Count

exchange.2016.availability.free.or.busy.request.latency.ms

The latency of free or busy requests in Exchange 2016.

Count

exchange.2016.rpc.latency.ms

The latency of RPC requests in Exchange 2016.

Count

exchange2016.sync.active.requests

The number of active sync requests in Exchange 2016.

Count

exchange2016.web.connection.attempts.per.sec

The rate of web connection attempts per second in Exchange 2016.

Count

exchange2016.owa.search.time.ms

The time taken for OWA search in milliseconds in Exchange 2016.

Count

exchange2016.nspi.rpc.request.latency.ms

The latency of NSPI RPC requests in Exchange 2016.

Count

exchange2016.nspi.rpc.browse.request.latency.ms

The latency of NSPI RPC browse requests in Exchange 2016.

Count

exchange2016.sync.requests.per.sec

The rate of sync requests per second in Exchange 2016.

Count

exchange2016.rpc.client.connections

The number of RPC client connections in Exchange 2016.

Count

exchange2016.availability.requests

The number of availability requests in Exchange 2016.

Count

exchange2016.web.connections

The number of web connections in Exchange 2016.

Count

exchange2016.request.wait.time.ms

The wait time for requests in milliseconds in Exchange 2016.

Count

exchange2016.sync.pending.commands

The number of pending sync commands in Exchange 2016.

Count

exchange2016.worker.process.restarts

The number of worker process restarts in Exchange 2016.

Count

exchange2016.control.panel.request.latency.ms

The latency of control panel requests in Exchange 2016.

Count

exchange2016.rpc.requests

The number of RPC requests in Exchange 2016.

Count

exchange2016.ping.pending.commands

The number of pending ping commands in Exchange 2016.

Count

exchange2016.control.panel.outbound.proxy.request.latency.ms

The latency of control panel outbound proxy requests in Exchange 2016.

Count

exchange2016.rpc.active.users

The number of active RPC users in Exchange 2016.

Count

exchange2016.auto.discovery.requests.per.sec

The rate of auto discovery requests per second in Exchange 2016.

Count

exchange2016.application.restarts

The number of application restarts in Exchange 2016.

Count

exchange2016.rpc.operations.per.sec

The rate of RPC operations per second in Exchange 2016.

Count

exchange2016.owa.requests.per.sec

The rate of OWA requests per second in Exchange 2016.

Count

exchange2016.rpc.users

The number of RPC users in Exchange 2016.

Count

exchange2016.webservice.requests.per.sec

The rate of webservice requests per second in Exchange 2016.

Count

exchange2016.queued.requests

The number of queued requests in Exchange 2016.

Count

exchange2016.owa.unique.users

The number of unique OWA users in Exchange 2016.

Count

Exchange Client Access Role

â€‹

Name

Description

Type

system.tags

Tags associated with the Exchange Client Access Role.

String

exchange.client.access.role.referral.rpc.request.latency.ms

The latency of referral RPC requests in the Exchange Client Access Role.

Count

exchange.client.access.role.availability.free.or.busy.request.time.ms

The time taken for availability free or busy requests in the Exchange Client Access Role.

Count

exchange.client.access.role.rpc.latency.ms

The RPC latency in the Exchange Client Access Role.

Count

exchange.client.access.role.sync.active.requests

The number of active sync requests in the Exchange Client Access Role.

Count

exchange.client.access.role.web.connection.attempts.per.sec

The rate of web connection attempts per second in the Exchange Client Access Role.

Count

exchange.client.access.role.owa.search.time.ms

The time taken for OWA search requests in the Exchange Client Access Role.

Count

exchange.client.access.role.nspi.rpc.request.latency.ms

The latency of NSPI RPC requests in the Exchange Client Access Role.

Count

exchange.client.access.role.nspi.rpc.browse.request.latency.ms

The latency of NSPI RPC browse requests in the Exchange Client Access Role.

Count

exchange.client.access.role.sync.requests.per.sec

The rate of sync requests per second in the Exchange Client Access Role.

Count

exchange.client.access.role.rpc.client.connections

The number of RPC client connections in the Exchange Client Access Role.

Count

exchange.client.access.role.availability.requests

The number of availability requests in the Exchange Client Access Role.

Count

exchange.client.access.role.web.connections

The number of web connections in the Exchange Client Access Role.

Count

exchange.client.access.role.sync.pending.commands

The number of pending sync commands in the Exchange Client Access Role.

Count

exchange.client.access.role.control.panel.request.latency.ms

The latency of control panel requests in the Exchange Client Access Role.

Count

exchange.client.access.role.rpc.requests

The number of RPC requests in the Exchange Client Access Role.

Count

exchange.client.access.role.ping.pending.commands

The number of ping pending commands in the Exchange Client Access Role.

Count

exchange.client.access.role.control.panel.outbound.proxy.request.latency.ms

The latency of control panel outbound proxy requests in the Exchange Client Access Role.

Count

exchange.client.access.role.rpc.active.users

The number of active RPC users in the Exchange Client Access Role.

Count

exchange.client.access.role.auto.discovery.requests.per.sec

The rate of auto discovery requests per second in the Exchange Client Access Role.

Count

exchange.version

The version of Exchange being used.

Count

exchange.client.access.role.rpc.operations.per.sec

The rate of RPC operations per second in the Exchange Client Access Role.

Count

exchange.client.access.role.owa.requests.per.sec

The rate of OWA requests per second in the Exchange Client Access Role.

Count

exchange.client.access.role.rpc.users

The number of RPC users in the Exchange Client Access Role.

Count

exchange.client.access.role.webservice.requests.per.sec

The rate of web service requests per second in the Exchange Client Access Role.

Count

exchange.client.access.role.owa.unique.users

The number of unique OWA users in the Exchange Client Access Role.

Count

started.time

The uptime of the system in human-readable format.

String

started.time.sec

The uptime of the system in seconds.

Count

exchange.client.access.role.request.wait.time.ms

The wait time for requests in the Exchange Client Access Role (2010 version).

Count

exchange.client.access.role.worker.process.restarts

The number of worker process restarts in the Exchange Client Access Role (2010 version).

Count

exchange.client.access.role.application.restarts

The number of application restarts in the Exchange Client Access Role (2010 version).

Count

exchange.client.access.role.queued.requests

The number of queued requests in the Exchange Client Access Role (2010 version).

Count

Exchange Edge Transport Role

â€‹

Name

Description

Type

exchange.edge.transport.role.log.waiting.threads

The number of threads waiting in the log for the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.database.version.bucket.allocations

The number of bucket allocations for database versions in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.retry.mailbox.delivery.queue.length

The length of the retry mailbox delivery queue in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.log.record.stalls.per.sec

The rate of log record stalls per second in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.unreachable.queue.length

The length of the unreachable queue in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.sent.messages.per.sec

The rate of sent messages per second in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.database.writes.per.sec

The rate of database writes per second in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.retry.non.smtp.delivery.queue.length

The length of the retry non-SMTP delivery queue in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.active.mailbox.delivery.queue.length

The length of the active mailbox delivery queue in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.message.bytes.per.message

The average number of bytes per message in the Exchange Edge Transport Role.

Count

exchange.version

The version of Exchange being used.

Count

system.tags

The system tags associated with the Exchange Edge Transport Role.

String

exchange.edge.transport.role.poison.queue.length

The length of the poison queue in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.log.writes.per.sec

The rate of log writes per second in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.database.reads.per.sec

The rate of database reads per second in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.received.messages.per.sec

The rate of received messages per second in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.message.deliveries.per.sec

The rate of message deliveries per second in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.submission.queue.length

The length of the submission queue in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.log.reads.sec

The rate of log reads per second in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.message.submissions.per.sec

The rate of message submissions per second in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.log.checkpoint.depth

The depth of the log checkpoint in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.active.non.smtp.delivery.queue.length

The length of the active non-SMTP delivery queue in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.message.queue.deliveries.per.sec

The rate of message queue deliveries per second in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.message.resubmission.latency.ms

The latency of message resubmission in milliseconds in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.shadow.safety.net.message.resubmissions

The number of resubmissions for shadow safety net messages in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.safety.net.message.resubmissions

The number of resubmissions for safety net messages in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.safety.net.resubmit.requests

The number of safety net resubmit requests in the Exchange Edge Transport Role.

Count

started.time

The time when the Exchange Edge Transport Role was started.

String

started.time.sec

The uptime of the Exchange Edge Transport Role in seconds.

Count

exchange2010.edge.transport.role.dumpster.inserts.per.sec

The rate of dumpster inserts per second in the Exchange 2010 Edge Transport Role.

Count

exchange2010.edge.transport.role.dumpster.deletes.per.sec

The rate of dumpster deletes per second in the Exchange 2010 Edge Transport Role.

Count

exchange2010.edge.transport.role.dumpster.items

The number of items in the dumpster of the Exchange 2010 Edge Transport Role.

Count

exchange2010.edge.transport.role.dumpster.size.bytes

The size of the dumpster in bytes in the Exchange 2010 Edge Transport Role.

Count

exchange2010.edge.transport.role.message.local.deliveries.per.sec

The rate of local message deliveries per second in the Exchange 2010 Edge Transport Role.

Count

exchange2010.edge.transport.role.mail.submissions.per.sec

The rate of mail submissions per second in the Exchange 2010 Edge Transport Role.

Count

exchange2010.edge.transport.role.message.delivery.attempts.per.sec

The rate of message delivery attempts per second in the Exchange 2010 Edge Transport Role.

Count

exchange2010.edge.transport.role.recipient.deliveries.per.sec

The rate of recipient deliveries per second in the Exchange 2010 Edge Transport Role.

Count

exchange2010.edge.transport.role.retry.remote.delivery.queue.length

The length of the retry remote delivery queue in the Exchange 2010 Edge Transport Role.

Count

exchange2010.edge.transport.role.active.remote.delivery.queue.length

The length of the active remote delivery queue in the Exchange 2010 Edge Transport Role.

Count

exchange2010.edge.transport.role.aggregate.delivery.queue.length

The length of the aggregate delivery queue in the Exchange 2010 Edge Transport Role.

Count

exchange2010.edge.transport.role.largest.delivery.queue.length

The length of the largest delivery queue in the Exchange 2010 Edge Transport Role.

Count

exchange.edge.transport.role.mailbox.queue.status

The status of the mailbox queue in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.mailbox.queue.outgoing.messages

The number of outgoing messages in the mailbox queue in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.mailbox.queue.incoming.messages

The number of incoming messages in the mailbox queue in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.mailbox.queue

The mailbox queue in the Exchange Edge Transport Role.

Count

exchange.edge.transport.role.mailbox.queue.messages

The number of messages in the mailbox queue in the Exchange Edge Transport Role.

Count

Page Title: microsoft-exchange-online

On this page

Microsoft Exchange Online

Overview

â€‹

Microsoft Exchange Online is a cloud-based email and calendaring service provided by Microsoft as part of its Microsoft 365 (formerly Office 365) suite of productivity and collaboration tools. It offers businesses and organizations a robust and secure platform for managing email, calendars, contacts, and tasks, all hosted in the cloud.

Prerequisites

â€‹

The Client ID, Tenant ID, and the Secret Key of the O365 are required.

Refer this link to understand how to retrieve the above fields from the O365 portal.

List of Supported KPIs

â€‹

Name

Description

Type

Exchange Online Mailbox

Represents an Exchange Online mailbox

String

Exchange Online Mailbox Used Size Bytes

Amount of storage space used by the Exchange Online mailbox

Count

Exchange Online Mailbox Unread Messages

Number of unread messages in the Exchange Online mailbox

Count

Exchange Online Mailbox Items

Total number of items (e.g., emails, contacts) in the mailbox

Count

Exchange Online Mailbox Folders

Total number of folders in the Exchange Online mailbox

Count

Exchange Online Mailbox Children Folders

Total number of child folders within the Exchange Online mailbox

Count

Principal Name

The name of the principal associated with the mailbox

Count

Exchange Online Mailboxes

Total number of Exchange Online mailboxes

Count

Exchange Online Mailbox Active Mailboxes

Number of active Exchange Online mailboxes

Count

Exchange Online Email Send

Number of emails sent through Exchange Online

Count

Exchange Online Email Receive

Number of emails received in Exchange Online

Count

Exchange Online Email Read

Number of emails read in Exchange Online

Count

Exchange Online Mailbox Storage Used Bytes

Storage space used by the Exchange Online mailboxes

Count

Exchange Online User Active

Number of active users in Exchange Online

Count

Exchange Online Inactive Users

Number of inactive users in Exchange Online

Count

Exchange Online Mailbox Status

Status of Exchange Online mailboxes

Count

Exchange Online Mailbox Status Count

Total count of Exchange Online mailbox status

Count

Page Title: microsoft-one-drive

On this page

Microsoft OneDrive

Overview

â€‹

Microsoft OneDrive is a cloud-based file hosting and synchronization service offered by Microsoft. It allows users to store, access, and share files and documents from various devices securely and conveniently. OneDrive is integrated with Microsoft 365 (formerly Office 365) and is designed to enhance productivity and collaboration by providing a seamless file management experience.

Prerequisites

â€‹

The Client ID, Tenant ID, and the Secret Key of the O365 are required.

Refer this link to understand how to retrieve the above fields from the O365 portal.

List of Supported KPIs

â€‹

Name

Description

Type

Onedrive Files

Number of files in Onedrive

Count

Onedrive Active Files

Number of active files in Onedrive

Count

Onedrive User

Represents an Onedrive user

String

Onedrive Sites

Total number of Onedrive sites

Count

Onedrive Account Active

Number of active Onedrive accounts

Count

Onedrive Account Total

Total number of Onedrive accounts

Count

Onedrive File Active

Number of active files in Onedrive

Count

Onedrive File Total

Total number of files in Onedrive

Count

Onedrive Storage Used Bytes

Amount of storage space used by Onedrive

Count

Onedrive User Active

Number of active users in Onedrive

Count

Onedrive User Inactive

Number of inactive users in Onedrive

Count

Onedrive User Activity

Activity count for Onedrive user

Count

Onedrive User Activity Count

Total count of Onedrive user activity events

Count

Onedrive File Activity

Activity count for Onedrive files

Count

Onedrive File Activity Count

Total count of Onedrive file activity events

Count

Page Title: microsoft-sharepoint

On this page

Microsoft Sharepoint

Overview

â€‹

Microsoft SharePoint is a versatile and collaborative platform provided by Microsoft as part of its Microsoft 365 (formerly Office 365) suite of productivity tools. It serves as a centralized and secure content management and collaboration solution for organizations of all sizes, enabling teams to work together, share information, and manage documents efficiently.

Prerequisites

â€‹

The Client ID, Tenant ID, and the Secret Key of the O365 are required.

Refer this link to understand how to retrieve the above fields from the O365 portal.

List of Supported KPIs

â€‹

Metrics

Description

Type

sharepoint.online.site

Total online sites

String

sharepoint.online.site.status

Status of the online sites

String

sharepoint.online.site.last.modified

Last modified sites by user

String

sharepoint.online.site.files

Count of online sites

String

sharepoint.online.site.active.files

Count of active files on site

Count

sharepoint.online.site.storage.capacity.bytes

Total storage capacity of online site in bytes

Count

sharepoint.online.site.storage.used.bytes

Total used storage of online site in bytes

Count

sharepoint.online.site.storage.free.bytes

Total free storage of online site in bytes

Count

sharepoint.online.site.storage.used.percent

Total used storage of online site in percent

Count

sharepoint.online.site.storage.free.percent

Total free storage of online site in percent

Count

sharepoint.online.user

Count of users

Count

sharepoint.online.user.is.deleted

Count of users deleted

Count

sharepoint.online.user.deleted.date

Count of last deletion date by user

Count

sharepoint.online.user.last.activity.date

Count of last activity date by user

Count

sharepoint.online.user.shared.internal.files

Count of Internal files shared with user

Count

sharepoint.online.user.shared.external.files

Count of external files shared with user

Count

sharepoint.online.user.visited.pages

Count of visited pages by user

Count

Page Title: microsoft-teams

On this page

Microsoft Teams

Overview

â€‹

Microsoft Teams is a collaborative communication and productivity platform offered by Microsoft as part of its Microsoft 365 (formerly Office 365) suite of tools. It combines chat, video conferencing, file sharing, and integration with other Microsoft 365 services to create a unified and efficient workspace for teams and organizations.

Prerequisites

â€‹

The Client ID, Tenant ID, and the Secret Key of the O365 are required.

Refer this link to understand how to retrieve the above fields from the O365 portal.

List of Supported KPIs

â€‹

Name

Description

Type

Teams Team

Represents a team in Microsoft Teams

Count

Teams Channel

Represents a channel in Microsoft Teams

Count

Teams Channels

Total number of channels in Microsoft Teams

Count

Teams Calls

Total number of calls in Microsoft Teams

Count

Teams Meetings

Total number of meetings in Microsoft Teams

Count

Teams Chat Messages

Total number of chat messages in Microsoft Teams

Count

Teams Web Users

Total number of web users in Microsoft Teams

Count

Teams Windows Users

Total number of Windows users in Microsoft Teams

Count

Teams Android Users

Total number of Android users in Microsoft Teams

Count

Teams iOS Users

Total number of iOS users in Microsoft Teams

Count

Teams Mac Users

Total number of Mac users in Microsoft Teams

Count

Page Title: mikrotik-router

On this page

Mikrotik

Overview

â€‹

MikroTik Router, the versatile and cost-effective router solutions by MikroTik, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their MikroTik Routers. Monitor critical router metrics such as interface utilization, routing table status, and packet forwarding to ensure smooth and efficient network routing.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics	Description	Type
ping.min.latency.ms	Minimum latency (in milliseconds) observed during ping	Count
ping.received.packets	Number of packets received during ping	Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.cpu.percent

The CPU utilization percentage of the SNMP device.

percentage

system.memory.used.bytes

The amount of memory used in bytes on the SNMP device.

count

system.memory.used.percent

The percentage of memory used on the SNMP device.

percentage

system.memory.capacity.bytes

The total capacity of memory in bytes on the SNMP device.

count

system.memory.free.bytes

The amount of free memory in bytes on the SNMP device.

count

system.serial.number

The serial number of the SNMP device.

string

system.firmware.version

The firmware version of the SNMP device.

string

mikrotik.hardware.temperature.sensor.reading.celsius

The temperature reading of the MikroTik hardware sensor in degrees Celsius.

count

mikrotik.hardware.power.supply.consumption.watt

The power consumption of the MikroTik hardware power supply in watts.

count

mikrotik.hardware.fan.sensor.1.value.rpm

The RPM value of fan sensor 1 on the MikroTik hardware.

count

mikrotik.hardware.fan.sensor.2.value.rpm

The RPM value of fan sensor 2 on the MikroTik hardware.

count

bgp.peer

The BGP peer identifier or name.

String

bgp.peer.remote.as

The remote AS number associated with the BGP peer.

Count

bgp.peer.status

The status of the BGP peer (e.g., up, down).

String

bgp.local.peer.address

The local IP address of the BGP peer.

String

bgp.remote.peer.address

The remote IP address of the BGP peer.

String

bgp.peer.time

The time when the BGP peer was established.

String

bgp.peer.updated.time

The time when the BGP peer status was last updated.

String

isis.neighbour.last.up.time

The last time the ISIS neighbour came up.

String

isis.neighbour.hold.time

The hold time of the ISIS neighbour.

String

isis.neighbour.system.type

The system type of the ISIS neighbour.

String

isis.neighbour.3way.state

The 3-way state of the ISIS neighbour.

String

isis.neighbour.state

The state of the ISIS neighbour.

String

isis.neighbour

The identifier or name of the ISIS neighbour.

String

isis.neighbour.protocol

The protocol used by the ISIS neighbour.

String

ospf.neighbour.remote.as

The remote AS number associated with the OSPF neighbour.

String

ospf.neighbour.status

The status of the OSPF neighbour (e.g., up, down).

String

ospf.neighbour

The identifier or name of the OSPF neighbour.

String

ip.route

The IP route entry.

String

ip.route.subnet.mask

The subnet mask associated with the IP route.

String

ip.route.last.updated.sec

The time in seconds since the IP route was last updated.

Count

ip.route.protocol

The routing protocol associated with the IP route.

String

ip.route.metric

The metric value of the IP route.

String

ip.route.type

The type of IP route (e.g., static, dynamic).

String

ip.route.next.hop

The next-hop IP address for the IP route.

String

ip.route.last.updated

The last time the IP route was updated.

String

ip.routing.type

The type of IP routing (e.g., unicast, multicast).

String

ip.route.interface.index

The index of the network interface associated with the IP route.

Count

Page Title: mikrotik-switch

On this page

Mikrotik

Overview

â€‹

MikroTik Switch, the reliable and cost-effective network switch solutions by MikroTik, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their MikroTik Switches. Monitor critical network switch metrics such as port utilization, link status, and traffic patterns to ensure smooth and efficient network operation.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.cpu.percent

The CPU utilization percentage of the SNMP device.

percentage

system.memory.used.bytes

The amount of memory used in bytes on the SNMP device.

count

system.memory.used.percent

The percentage of memory used on the SNMP device.

percentage

system.memory.capacity.bytes

The total capacity of memory in bytes on the SNMP device.

count

system.memory.free.bytes

The amount of free memory in bytes on the SNMP device.

count

system.serial.number

The serial number of the SNMP device.

string

system.firmware.version

The firmware version of the SNMP device.

string

mikrotik.hardware.temperature.sensor.reading.celsius

The temperature reading of the MikroTik hardware sensor in degrees Celsius.

count

mikrotik.hardware.power.supply.consumption.watt

The power consumption of the MikroTik hardware power supply in watts.

count

mikrotik.hardware.fan.sensor.1.value.rpm

The RPM value of fan sensor 1 on the MikroTik hardware.

count

mikrotik.hardware.fan.sensor.2.value.rpm

The RPM value of fan sensor 2 on the MikroTik hardware.

count

vlan.name

The name of the VLAN.

String

vlan.status

The status of the VLAN.

String

vlan

The VLAN identifier.

String

vlan.ports

The list of ports associated with the VLAN.

String

vlan.port

The specific port associated with the VLAN.

String

Page Title: msmq

On this page

MSMQ

Overview

â€‹

MSMQ (Microsoft Message Queuing), the reliable and scalable messaging platform developed by Microsoft, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their MSMQ messaging infrastructure. Monitor critical messaging metrics such as message throughput, queue depths, and connection status to ensure smooth and reliable communication.

Supported Versions

â€‹

Versions

6.3.9600

Prerequisites for MSMQ Integration with Motadata AIOps

â€‹

Obtain the server credentials required for discovering the MSMQ server.

Ensure that the user has administrator privileges on the MSMQ server.

Ensure that the MSMQ service is active and running on the server.

Confirm that the MSMQ process and service are listed in the process and service monitor settings of Motadata AIOps. While these may be listed by default, verify that the names of the service and process match the specific MSMQ version that you intend to monitor.

By meeting these prerequisites, you can integrate MSMQ with Motadata AIOps and enable effective monitoring and management of your MSMQ server.

List of Supported KPIs

â€‹

Name

Description

Type

msmq.outgoing.messages.per.sec

Number of outgoing messages per second in MSMQ

Count

msmq.outgoing.multicast.sessions

Number of outgoing multicast sessions in MSMQ

Count

msmq.ip.sessions

Number of IP sessions in MSMQ

Count

msmq.incoming.multicast.sessions

Number of incoming multicast sessions in MSMQ

Count

msmq.size.bytes

Size of MSMQ in bytes

Count

msmq.incoming.messages.per.sec

Number of incoming messages per second in MSMQ

Count

msmq.pending.messages

Number of pending messages in MSMQ

Count

msmq.sessions

Number of sessions in MSMQ

Count

msmq.outgoing.http.sessions

Number of outgoing HTTP sessions in MSMQ

Count

msmq.incoming.messages

Number of incoming messages in MSMQ

Count

msmq.outgoing.messages

Number of outgoing messages in MSMQ

Count

msmq.queue

Represents an MSMQ queue

String

msmq.queue.journal.size.bytes

Size of MSMQ queue journal in bytes

Count

msmq.queue.pending.messages

Number of pending messages in an MSMQ queue

Count

msmq.queue.journal.pending.messages

Number of pending messages in the journal of an MSMQ queue

Count

msmq.queue.size.bytes

Size of an MSMQ queue in bytes

Count

Page Title: mssql

On this page

MS SQL

Overview

â€‹

MS SQL Server, the powerful and scalable relational database management system developed by Microsoft, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring capabilities. With this integration, organizations gain real-time visibility into the performance and health of their MS SQL Server databases. Monitor critical database metrics such as query execution times, transaction rates, and database size to ensure efficient data processing and retrieval.

Supported Versions

â€‹

Versions
16

Prerequisites for MS SQL Integration with Motadata AIOps:

â€‹

Ensure that the MS SQL port (default: 14333) is open for the Motadata AIOps server.

Ensure you have the necessary credentials, including the username and password, for Motadata AIOps to connect to the MS SQL database.

Ensure that JDBC is supported on the server where MS SQL Database is configured.

For agentless monitoring, ensure that the user has the required access for remote access to the MS SQL server. For agent-based monitoring, this is not required.

Ensure that the MS SQL service is active and running on the server.

Ensure you have the name of the MS SQL database that you want to monitor.

Confirm that the MS SQL process and service are listed in the process and service monitor settings of Motadata AIOps. While these may be listed by default, verify that the names of the service and

process match the specific MS SQL version that you intend to monitor.

By following these prerequisites, you can integrate MS SQL with Motadata AIOps and ensure smooth functioning of the monitoring process.

List of Supported KPIs

â€‹

Name

Description

Type

system.tags

Tags associated with the system

String

mssql.version

Version of Microsoft SQL Server being used

String

mssql.cache.hit.ratio.percent

Percentage of cache hits for SQL Server

Count

mssql.buffer.cache.hit.ratio.percent

Percentage of buffer cache hits for SQL Server

Count

mssql.lazy.writes.per.sec

Number of lazy writes per second

Count

mssql.free.list.stalls.per.sec

Number of free list stalls per second

Count

mssql.active.transactions

Number of active transactions

Count

mssql.transactions.per.sec

Number of transactions per second

Count

mssql.log.growths

Number of log growths

Count

mssql.cache.object.counts

Number of objects in the cache

Count

mssql.cache.used.objects

Number of used objects in the cache

Count

mssql.cache.pages

Number of cache pages

Count

mssql.lock.requests.per.sec

Number of lock requests per second

Count

mssql.lock.waits.per.sec

Number of lock waits per second

Count

mssql.latch.waits.per.sec

Number of latch waits per second

Count

mssql.lock.timeouts.per.sec

Number of lock timeouts per second

Count

mssql.average.latch.wait.time.ms

Average latch wait time in milliseconds

Count

mssql.average.wait.time.ms

Average wait time in milliseconds

Count

mssql.deadlocks.per.sec

Number of deadlocks occurring per second

Count

mssql.sql.compilations.per.sec

Number of SQL compilations per second

Count

mssql.sql.recompilations.per.sec

Number of SQL recompilations per second

Count

mssql.table.lock.escalations.per.sec

Number of table lock escalations per second

Count

mssql.full.scans.per.sec

Number of full scans performed per second

Count

mssql.batch.requests.per.sec

Number of batch requests per second

Count

mssql.probe.scans.per.sec

Number of probe scans performed per second

Count

mssql.range.scans.per.sec

Number of range scans performed per second

Count

mssql.auto.param.attempts.per.sec

Number of automatic parameter attempts per second

Count

mssql.workfile.creates.per.sec

Number of workfile creations per second

Count

mssql.worktable.creates.per.sec

Number of worktable creations per second

Count

mssql.page.splits.per.sec

Number of page splits per second

Count

mssql.failed.auto.params.per.sec

Number of failed automatic parameter attempts per second

Count

mssql.user.connections

Number of active user connections

Count

mssql.blocked.processes

Number of currently blocked processes

Count

mssql.logins.per.sec

Number of logins per second

Count

mssql.logouts.per.sec

Number of logouts per second

Count

mssql.page.reads.per.sec

Number of page reads per second

Count

mssql.page.writes.per.sec

Number of page writes per second

Count

mssql.page.lookups.per.sec

Number of page lookups per second

Count

mssql.checkpoint.pages.per.sec

Number of checkpoint pages per second

Count

mssql.page.life.expectancy

Average time in seconds a page is expected to stay in memory

Count

mssql.database.pages

Total number of pages in the database

Count

mssql.server.memory.provisioned.bytes

Total amount of memory provisioned for the server

Count

mssql.target.server.memory.bytes

Target amount of memory for the server

Count

mssql.sql.cache.memory.bytes

Amount of memory used by the SQL cache

Count

mssql.lock.memory.bytes

Amount of memory used by locks

Count

mssql.optimizer.memory.bytes

Amount of memory used by the optimizer

Count

mssql.connection.memory.bytes

Amount of memory used by connections

Count

mssql.memory.pending.grants

Number of pending memory grants

Count

mssql.granted.workspace.memory.bytes

Amount of granted workspace memory

Count

mssql.memory.outstanding.grants

Number of outstanding memory grants

Count

mssql.stolen.pages

Number of stolen pages

Count

mssql.free.pages

Number of free pages

Count

mssql.pages

Total number of pages

Count

mssql.errors.per.sec

Number of errors per second

Count

mssql.received.packets.rate

Number of received packets per second (Random metric)

Count

mssql.sent.packets.rate

Number of sent packets per second

Count

mssql.error.packets

Number of error packets

Count

started.time

Uptime of the system

String

started.time.sec

Uptime of the system in seconds

Count

mssql.cpu.busy.seconds

Total time the CPU was busy in seconds

Count

mssql.idle.seconds

Total time the CPU was idle in seconds

Count

mssql.reads.rate

Number of database reads per second

Count

mssql.writes.rate

Number of database writes per second

Count

mssql.errors

Total number of errors

Count

mssql.connections

Total number of database connections

Count

mssql.io.busy.seconds

Total time the I/O system was busy in seconds

Count

mssql.query

SQL query executed

String

mssql.query.creation.time

Timestamp when the query was created

String

mssql.query.last.execution.time

Timestamp of the last execution of the query

String

mssql.query.physical.reads

Number of physical reads performed by the query

Count

mssql.query.logical.reads

Number of logical reads performed by the query

Count

mssql.query.logical.writes

Number of logical writes performed by the query

Count

mssql.query.execution.count

Total count of times the query has been executed

Count

mssql.query.cpu.time.sec

Total CPU time consumed by the query in seconds

Count

mssql.query.elapsed.time.sec

Total elapsed time for query execution in seconds

Count

mssql.query.avg.elapsed.time.sec

Average elapsed time for query execution in seconds

Count

correlation.metrics

Count of correlation metrics

Count

mssql.active.sessions

Count of active MSSQL sessions

Count

mssql.idle.sessions

Count of idle MSSQL sessions

Count

mssql.connected.sessions

Count of connected MSSQL sessions

Count

mssql.blocked.sessions

Count of blocked MSSQL sessions

Count

mssql.blocked.session

Count of blocked MSSQL session (randomized value)

Count

mssql.session

Count of MSSQL sessions

Count

mssql.waiting.session

Count of waiting MSSQL sessions

Count

mssql.session.id

Unique identifier of an MSSQL session

Count

mssql.session.used.memory.bytes

Amount of memory used by an MSSQL session in bytes

Count

mssql.session.cpu.time.ms

CPU time consumed by an MSSQL session in milliseconds

Count

mssql.session.failed.logons

Count of failed logon attempts for an MSSQL session

Count

mssql.session.reads

Number of reads performed by an MSSQL session

Count

mssql.session.writes

Number of writes performed by an MSSQL session

Count

mssql.session.status

Status of an MSSQL session

Count

mssql.session.duration.sec

Duration of an MSSQL session in seconds

Count

mssql.session.duration

Duration of an MSSQL session

Count

mssql.session.login.time

Timestamp of the login time for an MSSQL session

Count

mssql.session.login.name

Login name associated with an MSSQL session

Count

mssql.session.application

Application associated with an MSSQL session

Count

mssql.session.remote.client

Remote client connected to an MSSQL session

Count

mssql.session.domain

Domain associated with an MSSQL session

Count

mssql.session.domain.user

Domain user associated with an MSSQL session

Count

mssql.waiting.session.id

Unique identifier of a waiting MSSQL session

Count

mssql.waiting.session.remote.client

Remote client connected to a waiting MSSQL session

Count

mssql.waiting.session.domain.user

Domain user associated with a waiting MSSQL session

Count

mssql.waiting.session.domain

Domain associated with a waiting MSSQL session

Count

mssql.waiting.session.program.name

Program name associated with a waiting MSSQL session

Count

mssql.waiting.session.login.name

Login name associated with a waiting MSSQL session

Count

mssql.waiting.session.wait.duration.ms

Waiting duration in milliseconds for a waiting MSSQL session

Count

mssql.waiting.session.wait.type

Type of wait for a waiting MSSQL session

Count

mssql.blocked.session.id

Unique identifier of a blocked MSSQL session

Count

mssql.blocking.session

Identifier of the blocking session for a blocked MSSQL session

Count

mssql.blocked.session.database

Database associated with a blocked MSSQL session

Count

mssql.blocked.session.resource.type

Type of resource being blocked by a MSSQL session

Count

mssql.blocked.session.resource.mode

Mode of resource being blocked by a MSSQL session

Count

mssql.blocked.session.blocked.query

Query causing the blockage for a MSSQL session

Count

mssql.blocked.session.blocking.query

Query being executed by a blocking MSSQL session

Count

mssql.blocked.session.remote.client

Remote client connected to a blocked MSSQL session

Count

mssql.blocked.session.domain.user

Domain user associated with a blocked MSSQL session (randomized value)

Count

mssql.blocked.session.domain

Domain associated with a blocked MSSQL session (randomized value)

Count

mssql.blocked.session.user

User associated with a blocked MSSQL session

Count

mssql.blocking.session.domain.user

Domain user associated with a blocking MSSQL session (randomized value)

Count

mssql.blocking.session.domain

Domain associated with a blocking MSSQL session (randomized value)

Count

mssql.blocking.session.user

User associated with a blocking MSSQL session

Count

mssql.blocked.session.program.name

Program name associated with a blocked MSSQL session

Count

mssql.log.shipping.database.type

Type of the MSSQL log shipping database

String

mssql.log.shipping.database.name

Name of the MSSQL log shipping database

String

mssql.log.shipping.last.backup.duration.seconds

Duration of the last backup for the MSSQL log shipping

Count

mssql.log.shipping.last.backedup.file

Last backed-up file for the MSSQL log shipping

String

mssql.log.shipping.last.copy.duration.seconds

Duration of the last copy for the MSSQL log shipping

Count

mssql.log.shipping.last.copied.file

Last copied file for the MSSQL log shipping

Count

mssql.log.shipping.last.restore.duration.seconds

Duration of the last restore for the MSSQL log shipping

Count

mssql.log.shipping.last.restored.file

Last restored file for the MSSQL log shipping

Count

mssql.alwayson.connected.state

Connected state of the MSSQL AlwaysOn

String

mssql.alwayson.role

Role of the MSSQL AlwaysOn

String

mssql.alwayson.operational.state

Operational state of the MSSQL AlwaysOn (randomized value)

String

mssql.alwayson.availability.mode

Availability mode of the MSSQL AlwaysOn

String

mssql.alwayson.failover.mode

Failover mode of the MSSQL AlwaysOn

String

mssql.alwayson

MSSQL AlwaysOn

String

mssql.alwayson.replica.name

Name of the MSSQL AlwaysOn replica

String

mssql.alwayson.name

Name of the MSSQL AlwaysOn

String

mssql.alwayson.endpoint.url

Endpoint URL of the MSSQL AlwaysOn

String

mssql.cluster.node.name

Name of the MSSQL cluster node

String

mssql.cluster.node.state

State of the MSSQL cluster node

String

mssql.cluster.node.is.owner

Specifies if the MSSQL cluster node is an owner (Boolean value)

Boolean

correlation.metrics

Correlation metrics

String

mssql.waiting.processes

Number of MSSQL processes waiting

Count

mssql.suspended.processes

Number of MSSQL processes suspended

Count

mssql.running.processes

Number of MSSQL processes running

Count

mssql.process.wait.time.ms

Wait time in milliseconds for the MSSQL process

Count

mssql.process

MSSQL process

Count

mssql.process.kernel.id

Kernel ID of the MSSQL process

Count

mssql.process.status

Status of the MSSQL process

String

mssql.process.hostname

Hostname associated with the MSSQL process

String

mssql.process.command

Command executed by the MSSQL process

String

mssql.process.io.ops.rate

Rate of I/O operations for the MSSQL process

Count

mssql.process.memory.bytes

Memory usage in bytes by the MSSQL process

Count

mssql.process.host

Number of hosts running the MSSQL process

Count

mssql.process.name

Name of the MSSQL process

String

mssql.job

MSSQL job

String

mssql.job.server

Server associated with the MSSQL job

String

mssql.job.retry.attempts

Number of retry attempts for the MSSQL job

Count

mssql.job.current.status.code

Current status code of the MSSQL job

String

mssql.job.last.run.status

Last run status of the MSSQL job

String

mssql.job.last.run.status.code

Last run status code of the MSSQL job

String

mssql.job.current.status

Current status of the MSSQL job

String

mssql.job.last.execution.time

Last execution time of the MSSQL job

String

mssql.job.next.execution.time

Next execution time of the MSSQL job

String

mssql.missing.indices

Number of missing indices in MSSQL

Count

correlation.metrics

Correlation metrics

String

mssql.indices

Number of indices in MSSQL

Count

mssql.unused.indices

Number of unused indices in MSSQL

Count

mssql.index

MSSQL index

String

mssql.index.database.name

Name of the database for the MSSQL index

String

mssql.index.schema.name

Name of the schema for the MSSQL index

String

mssql.index.table.name

Name of the table for the MSSQL index

Count

mssql.index.user.seeks.rate

User seeks rate for the MSSQL index

Count

mssql.index.user.scans.rate

User scans rate for the MSSQL index

Count

mssql.index.user.lookups.rate

User lookups rate for the MSSQL index

Count

mssql.index.user.updates.rate

User updates rate for the MSSQL index

Count

mssql.unused.index

Unused MSSQL index

String

mssql.unused.index.database.name

Database name for the unused MSSQL index

String

mssql.unused.index.schema.name

Schema name for the unused MSSQL index

String

mssql.unused.index.table.name

Table name for the unused MSSQL index

String

mssql.unused.index.id

Identifier for the unused MSSQL index

Count

mssql.missing.index

Missing MSSQL index

Count

mssql.missing.index.group

Group for the missing MSSQL index

Count

mssql.missing.index.database.name

Database name for the missing MSSQL index

String

mssql.missing.index.table.name

Table name for the missing MSSQL index

String

mssql.missing.index.column.id

Identifier for the column of the missing index

Count

mssql.missing.index.column.name

Column name for the missing MSSQL index

String

mssql.missing.index.column.usage

Usage count for the column of the missing index

Count

mssql.missing.index.user.seeks.rate

User seeks rate for the missing MSSQL index

Count

mssql.missing.index.user.scans.rate

User scans rate for the missing MSSQL index

Count

mssql.missing.index.user.cost

User cost for the missing MSSQL index

Count

mssql.missing.index.user.percent

User percentage for the missing MSSQL index

Count

mssql.database

MSSQL database

Count

mssql.database.active.transactions

Number of active transactions in the MSSQL database

Count

mssql.database.status

Status of the MSSQL database

String

mssql.database.log.file.path

File path of the log file for the MSSQL database

String

mssql.database.log.growths

Number of log file growths for the MSSQL database

Count

mssql.database.backup.restore.ops.per.sec

Number of backup and restore operations per second

Count

mssql.database.replication.transactions.per.sec

Number of replication transactions per second

Count

mssql.database.bulk.copy.ops.per.sec

Number of bulk copy operations per second

Count

mssql.database.shrink.data.movement.bytes.per.sec

Number of data movement bytes per second during shrink operations

Count

mssql.database.data.file.path

File path of the data file for the MSSQL database

String

mssql.database.flush.log.waits.per.sec

Number of log flush waits per second

Count

mssql.database.bulk.copy.rows.per.sec

Number of rows copied per second during bulk copy operations

Count

mssql.database.log.used.percent

Percentage of log space used in the MSSQL database

Count

mssql.database.log.file.used.bytes

Number of bytes used in the log file of the MSSQL database

Count

mssql.database.creation.time

Creation time of the MSSQL database

String

mssql.database.dbcc.logical.scan.bytes.per.sec

Rate of logical scan bytes per second in the MSSQL database

Count

mssql.database.transactions.per.sec

Rate of transactions per second in the MSSQL database

Count

mssql.database.tables

Number of tables in the MSSQL database

Count

mssql.database.data.file.size.bytes

Size of the data file in bytes for the MSSQL database

Count

mssql.database.log.shrinks

Number of log file shrinks in the MSSQL database

Count

mssql.database.log.flushed.bytes.per.sec

Rate of flushed log bytes per second in the MSSQL database

Count

mssql.database.log.cache.reads.per.sec

Rate of log cache reads per second in the MSSQL database

Count

mssql.database.log.cache.hit.ratio.percent

Percentage of log cache hits in the MSSQL database

Count

mssql.database.log.file.size.bytes

Size of the log file in bytes for the MSSQL database

Count

mssql.database.log.flush.wait.time.ms

Wait time for log flushes in milliseconds in the MSSQL database

Count

mssql.database.log.flushes.per.sec

Rate of log flushes per second in the MSSQL database

Count

mssql.database.database.size.bytes

Size of the database in bytes for the MSSQL database

Count

mssql.database.log.transactions

Number of log transactions in the MSSQL database

Count

mssql.backup.server.name

Name of the server where the MSSQL backup was created

String

mssql.backup.database.name

Name of the database being backed up in MSSQL

String

mssql.backup.start.time

Start time of the MSSQL backup

String

mssql.backup.end.time

End time of the MSSQL backup

String

mssql.backup.recovery.model

Recovery model used for the MSSQL backup

String

mssql.backup.is.damaged

Indicates whether the MSSQL backup is damaged

String

mssql.backup.duration

Duration of the MSSQL backup

String

mssql.backup.type

Type of the MSSQL backup

String

mssql.backup.bytes

Size of the MSSQL backup in bytes

Count

mssql.backup.logical.device.name

Logical device name used for the MSSQL backup

String

mssql.backup.physical.device.name

Physical device name used for the MSSQL backup

String

mssql.backup.set.name

Name of the backup set in MSSQL

String

mssql.last.backup.seconds

Time elapsed since the last backup in seconds

Count

mssql.backup

Number of MSSQL backups

Count

Page Title: mysql

On this page

MySQL

Overview

â€‹

MySQL, the popular and open-source relational database management system, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring capabilities. With this integration, organizations gain real-time visibility into the performance and health of their MySQL databases. Monitor critical database metrics such as query execution times, transaction rates, and database size to ensure efficient data processing and retrieval.

Supported Versions

â€‹

Versions

1.4.1

1.5.0

1.6.0

1.7.x

8.0

Prerequisites for MySQL Integration with Motadata AIOps:

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Ensure that the MySQL port (default: 3306) is open for the Motadata AIOps server.

Ensure you have the necessary credentials, including the username and password, for Motadata AIOps to connect to the MySQL database.

Ensure that JDBC is supported on the server where MySQL is configured.

For agentless monitoring, ensure that the user has the required access for remote access to the MySQL server. For agent-based monitoring, this is not required.

Ensure that the MySQL service is active and running on the server.

Ensure you have the name of the MySQL database that you want to monitor.

Confirm that the MySQL process and service are listed in the process and service monitor settings of Motadata AIOps. While these may be listed by default, verify that the names of the service and process match the specific MySQL version that you intend to monitor.

List of Supported KPIs

â€‹

Name

Description

Type

mysql.query.cache.size.bytes

The size of the MySQL query cache in bytes.

Count

mysql.query.cache.hits

The number of hits in the MySQL query cache.

Count

mysql.query.cache.inserts

The number of inserts in the MySQL query cache.

Count

system.tags

The tags associated with the MySQL system.

String

mysql.installation.directory

The installation directory of MySQL.

String

mysql.data.directory

The data directory of MySQL.

String

started.time

The uptime of the MySQL system.

String

started.time.sec

The uptime of the MySQL system in seconds.

Count

mysql.version

The version of MySQL.

String

mysql.aborted.clients

The number of aborted client connections in MySQL.

Count

mysql.aborted.connections

The number of aborted connections in MySQL.

Count

mysql.received.bytes.rate

The rate of received bytes in MySQL.

Count

mysql.sent.bytes.rate

The rate of sent bytes in MySQL.

Count

mysql.connections

The current number of connections in MySQL.

Count

mysql.questions

The number of queries executed in MySQL.

Count

mysql.opened.connections

The total number of opened connections in MySQL.

Count

mysql.delayed.errors

The number of delayed errors in MySQL.

Count

mysql.delayed.writes

The number of delayed writes in MySQL.

Count

mysql.flushes.rate

The rate of flushes in MySQL.

Count

mysql.key.used.blocks

The number of used blocks for keys in MySQL.

Count

mysql.key.read.requests.rate

The rate of key read requests in MySQL.

Count

mysql.key.writes.rate

The rate of key writes in MySQL.

Count

mysql.key.write.requests.rate

The rate of key write requests in MySQL.

Count

mysql.not.flushed.delayed.rows

The number of delayed rows not yet flushed in MySQL.

Count

mysql.deleted.rows.rate

The rate of deleted rows in MySQL.

Count

mysql.inserted.rows.rate

The rate of inserted rows in MySQL.

Count

mysql.next.row.reads.rate

The rate of next row reads in MySQL.

Count

mysql.read.keys.rate

The rate of key reads in MySQL.

Count

mysql.updated.rows.rate

The rate of updated rows in MySQL.

Count

mysql.delayed.insert.threads

The number of threads for delayed inserts in MySQL.

Count

mysql.slow.launch.threads

The number of threads with slow launches in MySQL.

Count

mysql.cached.threads

The number of cached threads in MySQL.

Count

mysql.connected.threads

The number of currently connected threads in MySQL.

Count

mysql.created.threads

The number of threads created in MySQL.

Count

mysql.running.threads

The number of currently running threads in MySQL.

Count

mysql.thread.cache.size.bytes

The size of the thread cache in MySQL (in bytes).

Count

mysql.open.tables

The number of currently open tables in MySQL.

Count

mysql.open.files

The number of currently open files in MySQL.

Count

mysql.open.streams

The number of currently open streams in MySQL.

Count

mysql.select.full.joins.rate

The rate of full joins in MySQL SELECT statements.

Count

mysql.select.ranges.rate

The rate of range queries in MySQL SELECT statements.

Count

mysql.select.range.checks.rate

The rate of range checks in MySQL SELECT statements.

Count

mysql.select.scans.rate

The rate of table scans in MySQL SELECT statements.

Count

mysql.slave.opened.temp.tables

The number of temporary tables opened by MySQL replication slave.

Count

mysql.slow.queries

The number of slow queries detected in MySQL.

Count

mysql.sort.merge.passes.rate

The rate of merge passes during sorting in MySQL.

Count

mysql.sort.ranges.rate

The rate of range queries requiring sorting in MySQL.

Count

mysql.table.lock.waits

The number of table lock waits in MySQL.

Count

mysql.table.immediate.locks

The number of immediate table locks in MySQL.

Count

mysql.created.temp.disk.tables.rate

The rate at which temporary disk tables are created in MySQL.

Count

mysql.created.temp.files.rate

The rate at which temporary files are created in MySQL.

Count

mysql.created.temp.tables.rate

The rate at which temporary tables are created in MySQL.

Count

mysql.query.cache.hit.ratio.percent

The percentage of query cache hits in MySQL.

Count

mysql.key.buffer.size.bytes

The size of the key buffer in MySQL (in bytes).

Count

mysql.key.hit.ratio.percent

The percentage of key cache hits in MySQL.

Count

mysql.delete.multi.commands.rate

The rate of multi-delete commands in MySQL.

Count

mysql.select.commands.rate

The rate of SELECT commands in MySQL.

Count

mysql.delete.commands.rate

The rate of DELETE commands in MySQL.

Count

mysql.insert.commands.rate

The rate of INSERT commands in MySQL.

Count

mysql.key.reads.rate

The rate of key reads in MySQL.

Count

mysql.update.commands.rate

The rate of UPDATE commands in MySQL.

Count

mysql.process.user

The user associated with the MySQL process.

String

mysql.process.state

The state of the MySQL process.

String

mysql.process.command

The command executed by the MySQL process.

String

mysql.process.db

The number of databases associated with the MySQL process.

Count

mysql.process.info

Additional information about the MySQL process.

Count

mysql.process

The count of MySQL processes.

Count

mysql.process.host

The host name of the machine where the MySQL process is running.

String

mysql.process.time.ms

The execution time of the MySQL process in milliseconds.

Count

mysql.innodb.buffer.pool.sequential.reads.rate

The rate of sequential reads from the InnoDB buffer pool.

Count

mysql.innodb.buffer.pool.pages.data

The number of data pages in the InnoDB buffer pool.

Count

mysql.innodb.buffer.pool.dirty.pages

The number of dirty pages in the InnoDB buffer pool.

Count

mysql.innodb.buffer.pool.flush.pages.rate

The rate at which pages are flushed from the InnoDB buffer pool.

Count

mysql.innodb.buffer.pool.free.pages

The number of free pages in the InnoDB buffer pool.

Count

mysql.innodb.buffer.pool.misc.pages

The number of miscellaneous pages in the InnoDB buffer pool.

Count

mysql.innodb.buffer.pool.pages

The total number of pages in the InnoDB buffer pool.

Count

mysql.innodb.buffer.pool.random.ahead.reads

The number of random ahead reads from the InnoDB buffer pool.

Count

mysql.innodb.buffer.pool.read.requests.rate

The rate of read requests from the InnoDB buffer pool.

Count

mysql.innodb.buffer.pool.reads.rate

The rate of reads from the InnoDB buffer pool.

Count

mysql.innodb.buffer.pool.free.waits

The number of waits for free pages in the InnoDB buffer pool.

Count

mysql.innodb.buffer.pool.write.requests.rate

The rate of write requests to the InnoDB buffer pool.

Count

mysql.innodb.data.fsyncs.rate

The rate of data file fsyncs performed by InnoDB.

Count

mysql.innodb.data.pending.fsyncs

The number of pending data file fsyncs in InnoDB.

Count

mysql.innodb.data.pending.reads

The number of pending data reads in InnoDB.

Count

mysql.innodb.data.pending.writes

The number of pending data writes in InnoDB.

Count

mysql.innodb.data.reads.rate

The rate of data reads from InnoDB.

Count

mysql.innodb.data.writes.rate

The rate of data writes to InnoDB.

Count

mysql.innodb.double.write.written.pages.rate

The rate of doublewrite buffer written pages.

Count

mysql.innodb.double.write.writes.rate

The rate of writes to the doublewrite buffer.

Count

mysql.innodb.log.waits.rate

The rate of waits for InnoDB log flushes.

Count

mysql.innodb.log.write.requests.rate

The rate of log write requests in InnoDB.

Count

mysql.innodb.log.writes.rate

The rate of log writes in InnoDB.

Count

mysql.innodb.os.log.fsyncs.rate

The rate of operating system log file fsyncs in InnoDB.

Count

mysql.innodb.os.log.pending.fsyncs

The number of pending operating system log file fsyncs in InnoDB.

Count

mysql.innodb.os.log.pending.writes

The number of pending operating system log file writes in InnoDB.

Count

mysql.innodb.os.log.written.rate

The rate at which the MySQL InnoDB engine writes to the operating system log.

Count

mysql.innodb.page.size.bytes

The size of a page in the MySQL InnoDB storage engine.

Count

mysql.innodb.created.pages.rate

The rate at which pages are created in the MySQL InnoDB storage engine.

Count

mysql.innodb.read.pages.rate

The rate at which pages are read from the MySQL InnoDB storage engine.

Count

mysql.innodb.written.pages.rate

The rate at which pages are written to the MySQL InnoDB storage engine.

Count

mysql.innodb.row.lock.current.waits

The number of current row lock waits in the MySQL InnoDB storage engine.

Count

mysql.innodb.row.lock.time.ms

The time spent waiting for row locks in the MySQL InnoDB storage engine.

Count

mysql.innodb.average.row.lock.time.ms

The average time spent waiting for row locks in the MySQL InnoDB storage engine.

Count

mysql.innodb.row.lock.waits

The number of row lock waits in the MySQL InnoDB storage engine.

Count

mysql.innodb.deleted.rows.rate

The rate at which rows are deleted in the MySQL InnoDB storage engine.

Count

mysql.innodb.inserted.rows.rate

The rate at which rows are inserted in the MySQL InnoDB storage engine.

Count

mysql.innodb.read.rows.rate

The rate at which rows are read from the MySQL InnoDB storage engine.

Count

mysql.innodb.update.rows.rate

The rate at which rows are updated in the MySQL InnoDB storage engine.

Count

mysql.used.index.size.bytes

The size of the used index in bytes for the MySQL database.

Count

mysql.index.read.rows.rate

The rate at which rows are read from the index in the MySQL database.

String

mysql.index.fetches.rate

The rate at which index fetches occur in the MySQL database.

String

mysql.index.table.name

The name of the table associated with the index in the MySQL database.

String

mysql.index.database.name

The name of the database associated with the index in the MySQL database.

String

mysql.index.name

The name of the index in the MySQL database.

String

mysql.unused.index

The details of the unused index in the MySQL database.

String

mysql.unused.index.table.name

The name of the table associated with the unused index in the MySQL database.

String

mysql.unused.index.database.name

The name of the database associated with the unused index in the MySQL database.

String

mysql.unused.index.size.bytes

The size of the unused index in bytes for the MySQL database.

Count

mysql.missing.index.table.name

The name of the table associated with the missing index in the MySQL database.

String

mysql.missing.index.table.schema.name

The schema name of the table associated with the missing index in the MySQL database.

String

mssql.missing.index.column.name

The name of the column associated with the missing index in the MSSQL database.

String

mysql.missing.index

The details of the missing index in the MySQL database.

String

mysql.backup.table.commands

The number of backup table commands in MySQL.

Count

mysql.show.new.master.commands

The number of show new master commands in MySQL.

Count

mysql.load.master.table.commands

The number of load master table commands in MySQL.

Count

mysql.restore.table.commands

The number of restore table commands in MySQL.

Count

mysql.master.data.commands

The number of master data commands in MySQL.

Count

mysql.admin.commands

The number of admin commands in MySQL.

Count

mysql.analyze.commands

The number of analyze commands in MySQL.

Count

mysql.change.database.commands

The number of change database commands in MySQL.

Count

mysql.change.master.commands

The number of change master commands in MySQL.

Count

mysql.check.commands

The number of check commands in MySQL.

Count

mysql.create.database.commands

The number of create database commands in MySQL.

Count

mysql.drop.database.commands

The number of drop database commands in MySQL.

Count

mysql.flush.commands.rate

The rate at which flush commands occur in MySQL.

Count

mysql.grant.commands

The number of grant commands in MySQL.

Count

mysql.kill.commands

The number of kill commands in MySQL.

Count

mysql.optimize.commands

The number of optimize commands in MySQL.

Count

mysql.repair.commands

The number of repair commands in MySQL.

Count

mysql.reset.commands

The number of reset commands in MySQL.

Count

mysql.revoke.commands

The number of revoke commands in MySQL.

Count

mysql.alter.table.commands

The number of alter table commands in MySQL.

Count

mysql.create.function.commands

The number of create function commands in MySQL.

Count

mysql.create.index.commands

The number of create index commands in MySQL.

Count

mysql.create.table.commands

The number of create table commands in MySQL.

Count

mysql.drop.function.commands

The number of drop function commands in MySQL.

Count

mysql.drop.index.commands

The number of drop index commands in MySQL.

Count

mysql.drop.table.commands

The number of drop table commands in MySQL.

Count

mysql.rename.table.commands

The number of rename table commands in MySQL.

Count

mysql.handler.close.commands

The number of handler close commands in MySQL.

Count

mysql.handler.open.commands

The number of handler open commands in MySQL.

Count

mysql.handler.read.commands

The number of handler read commands in MySQL.

Count

mysql.set.option.commands

The number of set option commands in MySQL.

Count

mysql.slave.start.commands

The number of slave start commands in MySQL.

Count

mysql.slave.stop.commands

The number of slave stop commands in MySQL.

Count

mysql.insert.select.commands

The number of insert select commands in MySQL.

Count

mysql.load.commands

The number of load commands in MySQL.

Count

mysql.purge.commands

The number of purge commands in MySQL.

Count

mysql.replace.commands

The number of replace commands in MySQL.

Count

mysql.replace.select.commands

The number of replace select commands in MySQL.

Count

mysql.truncate.commands

The number of truncate commands in MySQL.

Count

mysql.show.binary.log.commands

The number of show binary log commands in MySQL.

Count

mysql.show.binary.log.event.commands

The number of show binary log event commands in MySQL.

Count

mysql.show.database.commands

The number of show database commands in MySQL.

Count

mysql.show.field.commands

The number of show field commands in MySQL.

Count

mysql.show.grant.commands

The number of show grant commands in MySQL.

Count

mysql.show.key.commands

The number of show key commands in MySQL.

Count

mysql.show.master.status.commands

The number of show master status commands in MySQL.

Count

mysql.show.open.table.commands

The number of show open table commands in MySQL.

Count

mysql.show.processlist.commands

The number of show processlist commands in MySQL.

Count

mysql.show.slave.host.commands

The number of show slave host commands in MySQL.

Count

mysql.show.slave.status.commands

The number of show slave status commands in MySQL.

Count

mysql.show.table.commands

The number of show table commands in MySQL.

Count

mysql.show.variable.commands

The number of show variable commands in MySQL.

Count

mysql.show.status.commands

The number of show status commands in MySQL.

Count

mysql.begin.transaction.commands.rate

The rate of begin transaction commands in MySQL.

Count

mysql.commit.transaction.commands.rate

The rate of commit transaction commands in MySQL.

Count

mysql.lock.table.commands

The number of lock table commands in MySQL.

Count

mysql.rollback.transaction.commands.rate

The rate of rollback transaction commands in MySQL.

Count

mysql.unlock.table.commands

The number of unlock table commands in MySQL.

Count

mysql.show.engine.log.commands

The number of show engine log commands in MySQL. (Random Metric)

Count

Page Title: netgear-switch

On this page

Netgear

Overview

â€‹

Netgear Switch, the reliable and user-friendly network switch solutions by Netgear, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Netgear Switches. Monitor critical network switch metrics such as port utilization, link status, and traffic patterns to ensure smooth and efficient network operation.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.disk.id

The ID of the disk on the SNMP device.

string

system.disk.number

The disk number on the SNMP device.

count

system.disk.slot.name

The name of the slot where the disk is located on the SNMP device.

string

system.disk.serial.number

The serial number of the disk on the SNMP device.

string

system.disk.model

The model of the disk on the SNMP device.

string

system.disk.capacity.bytes

The capacity of the disk in bytes on the SNMP device.

count

system.disk.connected.interface

The interface to which the disk is connected on the SNMP device.

string

system.disk.state

The state of the disk on the SNMP device.

string

fan.sensor

The fan sensor value on the SNMP device.

count

fan.sensor.speed.rpm

The speed of the fan sensor in RPM on the SNMP device.

count

fan.sensor.status

The status of the fan sensor on the SNMP device.

string

fan.sensor.type

The type of the fan sensor on the SNMP device.

string

temperature.sensor

The temperature sensor value on the SNMP device.

count

temperature.sensor.value.fahrenheit

The temperature sensor value in degrees Fahrenheit on the SNMP device.

count

temperature.sensor.type

The type of the temperature sensor on the SNMP device.

string

temperature.sensor.minimum.unit.fahrenheit

The minimum temperature unit in degrees Fahrenheit on the SNMP device.

count

temperature.sensor.maximum.unit.fahrenheit

The maximum temperature unit in degrees Fahrenheit on the SNMP device.

count

netgear.volume.number

The number of the volume on the SNMP device.

count

netgear.volume.name

The name of the volume on the SNMP device.

string

netgear.volume.raid.level

The RAID level of the volume on the SNMP device.

string

netgear.volume.status

The status of the volume on the SNMP device.

string

netgear.volume.capacity.bytes

The capacity of the volume in bytes on the SNMP device.

count

netgear.volume.free.bytes

The amount of free space in bytes on the SNMP device.

count

netgear.disk.number

The number of the NAS disk on the SNMP device.

count

netgear.disk.channel

The channel of the NAS disk on the SNMP device.

string

netgear.disk.model

The model of the NAS disk on the SNMP device.

string

netgear.disk.state

The state of the NAS disk on the SNMP device.

string

netgear.hardware.fan.sensor

The NAS fan sensor on the SNMP device.

count

netgear.hardware.fan.sensor.speed.rpm

The speed of the NAS fan sensor in RPM on the SNMP device.

count

netgear.hardware.fan.sensor.type

The type of the NAS fan sensor on the SNMP device.

string

power.supply.sensor

The power supply sensor on the SNMP device.

count

power.supply.sensor.description

The description of the power supply sensor on the SNMP device.

string

power.supply.sensor.status

The status of the power supply sensor on the SNMP device.

string

netgear.hardware.temperature.sensor.number

The number of the NAS temperature sensor on the SNMP device.

count

netgear.hardware.temperature.sensor.value.celsius

The temperature value of the NAS sensor in degrees Celsius.

count

netgear.hardware.temperature.sensor.status

The status of the NAS temperature sensor on the SNMP device.

string

netgear.nas.volume

The number of the NAS volume on the SNMP device.

count

netgear.nas.volume.name

The name of the NAS volume on the SNMP device.

string

netgear.nas.volume.raid.level

The RAID level of the NAS volume on the SNMP device.

string

netgear.nas.volume.status

The status of the NAS volume on the SNMP device.

string

netgear.nas.volume.capacity.bytes

The capacity of the NAS volume in bytes on the SNMP device.

count

netgear.nas.volume.free.bytes

The amount of free space in bytes on the NAS volume.

count

system.cpu.index

The index of the CPU process on the SNMP device.

count

system.cpu.process.name

The name of the CPU process on the SNMP device.

string

system.cpu.used.percent

The percentage of CPU usage for the CPU process on the SNMP device.

count

system.cpu.percent

The overall percentage of CPU usage on the SNMP device.

count

system.memory.available.bytes

The amount of available memory in bytes on the SNMP device.

count

system.memory.capacity.bytes

The total capacity of memory in bytes on the SNMP device.

count

system.memory.used.bytes

The amount of used memory in bytes on the SNMP device.

count

system.memory.used.percent

The percentage of memory usage on the SNMP device.

count

vlan.name

The name of the VLAN.

String

vlan.status

The status of the VLAN.

String

vlan

The VLAN identifier.

String

vlan.ports

The list of ports associated with the VLAN.

String

vlan.port

The specific port associated with the VLAN.

String

Page Title: nginx

On this page

Nginx

Overview

â€‹

Nginx, the high-performance and open-source web server, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Nginx web servers. Monitor critical web server metrics such as request rates, response times, and server resource utilization to ensure optimal handling of web traffic.

Supported Versions

â€‹

Versions

1.11.5 - 1.13.8

1.13.9 - 1.14.0

1.14.1 - 1.15.8

1.15.9 - 1.15.10

1.15.11 - 1.16.0

1.16.1 - 1.17.3

1.17.4 - 1.17.6

1.17.7

1.17.8

1.17.9

1.17.10 - 1.18.0

1.19.0

1.19.1

1.19.2

1.19.3

1.19.4

1.19.5

1.19.6

1.19.7

1.19.8

1.19.9

1.19.10

1.20.0

1.20.1

1.20.2

1.21.0

1.21.1

1.21.2

1.21.3

1.21.4

1.21.5

1.21.6

1.22.0

1.22.1

1.23.0

1.23.1

1.23.2

1.23.3

1.23.4

1.24.0

2.9.0.0(Windows)

1.14.2(linux)

Prerequisites for Nginx Integration with Motadata AIOps

â€‹

Ensure that the Nginx port (default: 8086) is open for the Motadata AIOps server.

Confirm that the Nginx process and service are listed in the process and monitor settings of Motadata AIOps. While these may be listed by default, ensure that the names of the service and process match the specific BIND 9 version that you intend to monitor.

Ensure that either HTTP or HTTPS are supported on the Nginx server.

Provide the necessary credentials, including the username and password, for Motadata AIOps to connect to the Nginx server.

Confirm that the Nginx service is active and running on the server.

For agentless monitoring, ensure that the user has the required access for remote access to the Nginx server. For agent-based monitoring, this is not required.

In the address area of your browser, type http://

[IP]

/nginx_status, submit the address, to view the status of the server. Confirm the server availability by following this step.

where

[IP]

 is the IP address of the server where Nginx is installed.

By following these prerequisites, you can integrate Nginx with Motadata AIOps and ensure the smooth functioning of the monitoring process.

List of Supported KPIs

â€‹

Name

Description

Type

Nginx Active Connections

The number of currently active connections to the Nginx server. These connections represent clients that are currently sending or receiving data.

Count

Nginx Requests Rate

The rate at which requests are being made to the Nginx server. This metric indicates the incoming request load on the server.

Count

Nginx Reading Connections

The number of connections in the reading state. This state occurs when Nginx is reading the request data from the clients.

Count

Nginx Writing Connections

The number of connections in the writing state. This state occurs when Nginx is sending the response data back to the clients.

Count

Nginx Waiting Connections

The number of connections in the waiting state. This state occurs when Nginx is waiting for available connections from the upstream servers or when the client request has not been fully received.

Count

Nginx Connections Rate

The rate at which new connections are being established with the Nginx server. This metric provides insights into the connection establishment rate.

Count

Nginx Handled Connections

The total number of connections that have been successfully handled by the Nginx server since

startup. This metric indicates the overall traffic served by the server.

Count

Nginx Rejected Connections

The number of connections that have been rejected by the Nginx server. This can occur due to various reasons such as reaching connection limits or server overload.

Count

Page Title: ntp

NTP

Overview

â€‹

A service check for NTP (Network Time Protocol) involves monitoring the proper functioning and synchronization of NTP servers and clients within a network. NTP is a protocol used to synchronize the clocks of devices on a computer network to a common time reference, ensuring accurate timekeeping and coordination across the network.

Prerequisites for NTP Integration with Motadata AIOps

â€‹

Ensure that the NTP port (default: 123) is open for the Motadata AIOps server.

List of Supported KPIs

â€‹

Name

Description

Type

status

The status of NTP

String

service.check.status

The status of the service check

String

service.check.latency.ms

The latency of the service check (ms)

Count

ntp.latency.ms

The latency of NTP (ms)

Count

Page Title: nutanix-host

On this page

Nutanix Host

Overview

â€‹

The Nutanix Host integration provides comprehensive monitoring capabilities for Nutanix hyper-converged infrastructure. This integration enables IT operations professionals to gain visibility into the performance and health of Nutanix hosts, ensuring optimal operation and quick identification of issues.

Supported Metrics

â€‹

Nutanix Host

Name

Description

Type

nutanix.vms

The number of VMs on the host.

Count

nutanix.memory.capacity.bytes

The total memory capacity in bytes.

Count

nutanix.cpu.capacity.hz

The total CPU capacity in hertz.

Count

nutanix.cpu.frequency.hz

The frequency of the CPU in hertz.

Count

nutanix.cpu.sockets

The number of CPU sockets.

Count

nutanix.cpu.threads

The number of CPU threads.

Count

nutanix.cpu.cores

The number of CPU cores.

Count

nutanix.hypervisor.name

The name of the hypervisor.

String

nutanix.cpu.model

The model of the CPU.

String

nutanix.name

The name of the Nutanix host.

String

nutanix.state

The current state of the host.

String

nutanix.ipmi.address

The IPMI address of the host.

String

nutanix.oplog.disk.percent

The percentage of oplog disk used.

Count

nutanix.oplog.disk.size.bytes

The size of the oplog disk in bytes.

Count

nutanix.service.vm.external.ip

The external IP address of the service VM.

String

nutanix.cluster.uuid

The UUID of the cluster.

String

nutanix.serial.number

The serial number of the host.

String

nutanix.type

The type of the host.

String

nutanix.storage.tier.ssd.free.bytes

The free SSD storage in bytes.

Count

nutanix.storage.tier.ssd.used.bytes

The used SSD storage in bytes.

Count

nutanix.storage.tier.ssd.capacity.bytes

The total SSD storage capacity in bytes.

Count

nutanix.storage.tier.das.sata.free.bytes

The free DAS SATA storage in bytes.

Count

nutanix.storage.tier.das.sata.used.bytes

The used DAS SATA storage in bytes.

Count

nutanix.storage.tier.das.sata.capacity.bytes

The total DAS SATA storage capacity in bytes.

Count

nutanix.storage.free.bytes

The total free storage in bytes.

Count

nutanix.storage.used.bytes

The total used storage in bytes.

Count

nutanix.storage.capacity.bytes

The total storage capacity in bytes.

Count

nutanix.io.write.ops.per.sec

The number of write operations per second.

Count

nutanix.io.read.ops.per.sec

The number of read operations per second.

Count

nutanix.io.ops.per.sec

The total number of I/O operations per second.

Count

nutanix.io.latency.ms

The latency of I/O operations in milliseconds.

Count

nutanix.io.bytes.per.sec

The number of bytes transferred per second.

Count

nutanix.controller.io.write.ops.per.sec

The number of write operations per second by the controller.

Count

nutanix.controller.io.read.ops.per.sec

The number of read operations per second by the controller.

Count

nutanix.controller.io.ops.per.sec

The total number of I/O operations per second by the controller.

Count

nutanix.controller.io.latency.ms

The latency of I/O operations by the controller in milliseconds.

Count

nutanix.controller.io.bytes.per.sec

The number of bytes transferred per second by the controller.

Count

nutanix.controller.io.write.bytes.per.sec

The number of bytes written per second by the controller.

Count

nutanix.controller.io.read.bytes.per.sec

The number of bytes read per second by the controller.

Count

nutanix.hypervisor.io.write.ops.per.sec

The number of write operations per second by the hypervisor.

Count

nutanix.hypervisor.io.read.ops.per.sec

The number of read operations per second by the hypervisor.

Count

nutanix.hypervisor.io.ops.per.sec

The total number of I/O operations per second by the hypervisor.

Count

nutanix.hypervisor.io.latency.ms

The latency of I/O operations by the hypervisor in milliseconds.

Count

nutanix.hypervisor.io.bytes.per.sec

The number of bytes transferred per second by the hypervisor.

Count

nutanix.cpu.percent

The percentage of CPU usage.

Count

nutanix.memory.used.percent

The percentage of memory used.

Count

nutanix.io.read.bytes.per.sec

The number of bytes read per second.

Count

nutanix.io.write.bytes.per.sec

The number of bytes written per second.

Count

nutanix.hypervisor.state

The state of the hypervisor.

String

nutanix.acropolis.connection.state

The connection state of Acropolis.

String

nutanix.hypervisor.type

The type of the hypervisor.

String

nutanix.cluster

The name of the cluster.

String

Nutanix Disk

Name

Description

Type

nutanix.disk.host

The host of the disk.

String

nutanix.disk.tier.name

The tier name of the disk.

String

nutanix.disk.status

The status of the disk.

String

nutanix.disk.online.state

The online state of the disk.

String

nutanix.disk.model

The model of the disk.

String

nutanix.disk.storage.capacity.bytes

The storage capacity of the disk in bytes.

Count

nutanix.disk.storage.free.bytes

The free storage of the disk in bytes.

Count

nutanix.disk.storage.used.bytes

The used storage of the disk in bytes.

Count

nutanix.disk.mount.path

The mount path of the disk.

String

nutanix.disk.boot.status

The boot status of the disk.

String

nutanix.disk.cluster.uuid

The UUID of the cluster to which the disk belongs.

String

nutanix.disk.cluster

The name of the cluster to which the disk belongs.

String

nutanix.disk

The disk.

String

nutanix.disk.io.latency.ms

The latency of I/O operations in milliseconds.

Count

nutanix.disk.io.write.latency.ms

The write latency of I/O operations in milliseconds.

Count

nutanix.disk.io.read.latency.ms

The read latency of I/O operations in milliseconds.

Count

nutanix.disk.io.bytes.per.sec

The number of bytes transferred per second.

Count

nutanix.disk.io.read.bytes.per.sec

The number of bytes read per second.

Count

nutanix.disk.io.write.bytes.per.sec

The number of bytes written per second.

Count

nutanix.disk.io.ops.per.sec

The total number of I/O operations per second.

Count

nutanix.disk.io.read.ops.per.sec

The number of read operations per second.

Count

nutanix.disk.io.write.ops.per.sec

The number of write operations per second.

Count

Nutanix VM

Name	Description	Type
nutanix.vm	The Nutanix VM.	String
nutanix.vm.ip	The IP address of the VM.	String
nutanix.vm.description	The description of the VM.	String
nutanix.vm.disk.capacity.bytes	The disk capacity of the VM in bytes.	Count
nutanix.vm.reserved.capacity.bytes	The reserved capacity of the VM in bytes.	Count
nutanix.vm.memory.capacity.bytes	The memory capacity of the VM in bytes.	Count
nutanix.vm.cpu.percent	The percentage of CPU usage by the VM.	Count
nutanix.vm.cpus	The number of CPUs allocated to the VM.	Count

nutanix.vm.virtual.disks

The virtual disks of the VM.

Count

nutanix.vm.network.adapters

The network adapters of the VM.

Count

nutanix.vm.cluster.uuid

The UUID of the cluster to which the VM belongs.

String

nutanix.vm.memory.used.percent

The percentage of memory used by the VM.

Count

nutanix.vm.uuid

The UUID of the VM.

String

nutanix.vm.power.state

The power state of the VM.

String

nutanix.vm.guest.os

The guest operating system of the VM.

String

nutanix.vm.host.name

The name of the host on which the VM is running.

String

nutanix.vm.host.uuid

The UUID of the host on which the VM is running.

String

nutanix.vm.io.write.ops.per.sec

The number of write operations per second by the VM.

Count

nutanix.vm.io.read.ops.per.sec

The number of read operations per second by the VM.

Count

nutanix.vm.io.ops.per.sec

The total number of I/O operations per second by the VM.

Count

nutanix.vm.io.latency.ms

The latency of I/O operations by the VM in milliseconds.

Count

nutanix.vm.io.read.bytes.per.sec

The number of bytes read per second by the VM.

Count

nutanix.vm.io.write.bytes.per.sec

The number of bytes written per second by the VM.

Count

nutanix.vm.controller.io.write.ops.per.sec

The number of write operations per second by the VM controller.

Count

nutanix.vm.controller.io.read.ops.per.sec

The number of read operations per second by the VM controller.

Count

nutanix.vm.controller.io.ops.per.sec

The total number of I/O operations per second by the VM controller.

Count

nutanix.vm.controller.io.latency.ms

The latency of I/O operations by the VM controller in milliseconds.

Count

nutanix.vm.controller.io.bytes.per.sec

The number of bytes transferred per second by the VM controller.

Count

nutanix.vm.cluster

The name of the cluster to which the VM belongs.

String

Page Title: nutanix-prism

On this page

Nutanix Prism

Overview

â€‹

The Nutanix Prism integration provides detailed monitoring of Nutanix Prism elements, including clusters, disks, and storage containers. This integration helps IT operations professionals maintain the health and performance of their Nutanix infrastructure.

List of Supported KPIs

â€‹

Prism Hosts

Name

Description

Type

prism.hosts

The number of hosts managed by Prism.

Count

prism.vms

The number of VMs managed by Prism.

Count

prism.powered.on.vms

The number of powered-on VMs.

Count

prism.powered.off.vms

The number of powered-off VMs.

Count

Prism Cluster

Name

Description

Type

prism.cluster.uuid

The UUID of the cluster.

String

prism.cluster

The name of the cluster.

String

prism.clusters

The number of clusters.

Count

prism.cluster.hosts

The number of hosts in the cluster.

Count

prism.cluster.current.redundancy.factor

The current redundancy factor of the cluster.

Count

prism.cluster.desired.redundancy.factor

The desired redundancy factor of the cluster.

Count

prism.cluster.storage.reserved.free.bytes

The free reserved storage in bytes.

Count

prism.cluster.storage.reserved.used.bytes

The used reserved storage in bytes.

Count

prism.cluster.storage.reserved.capacity.bytes

The total reserved storage capacity in bytes.

Count

prism.cluster.storage.tier.ssd.free.bytes

The free SSD storage in bytes.

Count

prism.cluster.storage.tier.ssd.used.bytes

The used SSD storage in bytes.

Count

prism.cluster.storage.tier.ssd.capacity.bytes

The total SSD storage capacity in bytes.

Count

prism.cluster.storage.tier.das.sata.free.bytes

The free DAS SATA storage in bytes.

Count

prism.cluster.storage.tier.das.sata.used.bytes

The used DAS SATA storage in bytes.

Count

prism.cluster.storage.tier.das.sata.capacity.bytes

The total DAS SATA storage capacity in bytes.

Count

prism.cluster.storage.free.bytes

The total free storage in bytes.

Count

prism.cluster.storage.used.bytes

The total used storage in bytes.

Count

prism.cluster.storage.capacity.bytes

The total storage capacity in bytes.

Count

prism.cluster.io.write.ops.per.sec

The number of write operations per second.

Count

prism.cluster.io.read.ops.per.sec

The number of read operations per second.

Count

prism.cluster.io.ops.per.sec

The total number of I/O operations per second.

Count

prism.cluster.io.latency.ms

The latency of I/O operations in milliseconds.

Count

prism.cluster.io.bytes.per.sec

The number of bytes transferred per second.

Count

prism.cluster.controller.io.write.ops.per.sec

The number of write operations per second by the controller.

Count

prism.cluster.controller.io.read.ops.per.sec

The number of read operations per second by the controller.

Count

prism.cluster.controller.io.ops.per.sec

The total number of I/O operations per second by the controller.

Count

prism.cluster.controller.io.latency.ms

The latency of I/O operations by the controller in milliseconds.

Count

prism.cluster.controller.io.bytes.per.sec

The number of bytes transferred per second by the controller.

Count

prism.cluster.hypervisor.io.write.ops.per.sec

The number of write operations per second by the hypervisor.

Count

prism.cluster.hypervisor.io.read.ops.per.sec

The number of read operations per second by the hypervisor.

Count

prism.cluster.hypervisor.io.ops.per.sec

The total number of I/O operations per second by the hypervisor.

Count

prism.cluster.hypervisor.io.latency.ms

The latency of I/O operations by the hypervisor in milliseconds.

Count

prism.cluster.hypervisor.io.bytes.per.sec

The number of bytes transferred per second by the hypervisor.

Count

prism.cluster.hypervisor.cpu.used.percent

The percentage of CPU used by the hypervisor.

Count

prism.cluster.hypervisor.memory.used.percent

The percentage of memory used by the hypervisor.

Count

prism.cluster.io.read.bytes.per.sec

The number of bytes read per second.

Count

prism.cluster.io.write.bytes.per.sec

The number of bytes written per second.

Count

prism.cluster.domain.name

The domain name of the cluster.

String

prism.cluster.operation.mode

The operation mode of the cluster.

String

prism.cluster.full.version

The full version of the cluster.

String

prism.cluster.storage.type

The storage type of the cluster.

String

prism.cluster.target.version

The target version of the cluster.

String

prism.cluster.external.subnet

The external subnet of the cluster.

String

prism.cluster.internal.subnet

The internal subnet of the cluster.

String

prism.cluster.arch

The architecture of the cluster.

String

Prism Disk

Name

Description

Type

prism.disk.host

The host of the disk.

String

prism.disk.tier.name

The tier name of the disk.

String

prism.disk.status

The status of the disk.

String

prism.disk.online.state

The online state of the disk.

String

prism.disk.model

The model of the disk.

String

prism.disk.storage.capacity.bytes

The storage capacity of the disk in bytes.

Count

prism.disk.storage.free.bytes

The free storage of the disk in bytes.

Count

prism.disk.storage.used.bytes

The used storage of the disk in bytes.

Count

prism.disk.mount.path

The mount path of the disk.

String

prism.disk.boot.status

The boot status of the disk.

String

prism.disk.cluster.uuid

The UUID of the cluster to which the disk belongs.

String

prism.disk.cluster

The name of the cluster to which the disk belongs.

String

prism.disk

The disk.

String

prism.disks

The disks.

Count

Prism Storage

Name

Description

Type

prism.storage.container

The storage container.

String

prism.storage.containers

The storage containers.

Count

prism.storage.container.capacity.bytes

The capacity of the storage container in bytes.

Count

prism.storage.container.free.bytes

The free storage of the container in bytes.

Count

prism.storage.container.used.bytes

The used storage of the container in bytes.

Count

prism.storage.container.io.write.ops.per.sec

The number of write operations per second for the container.

Count

prism.storage.container.io.read.ops.per.sec

The number of read operations per second for the container.

Count

prism.storage.container.io.ops.per.sec

The total number of I/O operations per second for the container.

Count

prism.storage.container.io.latency.ms

The latency of I/O operations for the container in milliseconds.

Count

prism.storage.container.io.bytes.per.sec

The number of bytes transferred per second for the container.

Count

prism.storage.container.used.percent

The percentage of used storage in the container.

Count

prism.storage.container.free.percent

The percentage of free storage in the container.

Count

prism.storage.container.replication.factor

The replication factor of the container.

Count

prism.storage.container.compression

The compression status of the container.

String

prism.storage.container.erasure.encoding

The erasure encoding status of the container.

String

prism.storage.container.disk.deduplication

The disk deduplication status of the container.

String

prism.storage.container.cluster

The cluster to which the container belongs.

String

prism.storage.pool

The storage pool.

String

prism.storage.pool.capacity.bytes

The capacity of the storage pool in bytes.

Count

prism.storage.pool.disks

The disks in the storage pool.

Count

prism.storage.pool.cluster

The cluster to which the storage pool belongs.

String

prism.volume.group

The volume group.

String

prism.volume.group.capacity.bytes

The capacity of the volume group in bytes.

Count

prism.volume.group.disks

The disks in the volume group.

Count

prism.storage.capacity.bytes

The total storage capacity in bytes.

Count

prism.storage.used.bytes

The total used storage in bytes.

Count

prism.storage.free.bytes

The total free storage in bytes.

Count

Page Title: oracle

On this page

Oracle

Overview

â€‹

Oracle, the robust and feature-rich database management system, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Oracle databases. Monitor critical database metrics such as query execution times, transaction rates, and tablespace utilization to ensure efficient data processing and retrieval.

Supported Versions

â€‹

Versions

5

19.5 (Windows)

11.2.0.1.0 (Windows)

12.2.0.1.0 (Linux)

Prerequisites for Oracle Integration with Motadata AIOps:

â€‹

Ensure that the Oracle port (default: 1521) is open for the Motadata AIOps server.

Ensure you have the necessary credentials, including the username and password, for Motadata AIOps to connect to the Oracle database.

Ensure that JDBC is supported on the server where Oracle Database is configured.

For agentless monitoring, ensure that the user has the required access for remote access to the Oracle database server. For agent-based monitoring, this is not required.

Ensure that the Oracle service is active and running on the server.

Ensure you have the name of the Oracle database that you want to monitor.

Confirm that the Oracle process and service are listed in the process and service monitor settings of Motadata AIOps. While these may be listed by default, verify that the names of the service and process match the specific Oracle version that you intend to monitor.

By following these prerequisites, you can integrate Oracle with Motadata AIOps and ensure smooth functioning of the monitoring process.

List of Supported KPIs

Name

Description

Type

system.tags

Tags associated with the system

String

oracle.pga.free.bytes

Amount of PGA memory available for sorting and hashing

Count

oracle.shared.pool.used.bytes

Amount of memory used in the shared pool

Count

oracle.pga.max.processes

Maximum number of processes that can be created in PGA

Count

oracle.library.cache.used.bytes

Amount of memory used in the library cache

Count

oracle.large.pool.used.bytes

Amount of memory used in the large pool

Count

oracle.rows.sorts

Number of rows sorted

Count

oracle.created.time

Time of Oracle instance creation

String

oracle.database.physical.reads

Number of physical reads from the database

Count

oracle.pga.allocated.bytes

Amount of PGA memory allocated

Count

oracle.enqueue.releases

Number of enqueue releases

Count

oracle.sql.cache.hit.ratio.percent

Percentage of SQL cache hits

Count

oracle.database.physical.writes

Number of physical writes to the database

Count

oracle.library.cache.hit.ratio.percent

Percentage of library cache hits

Count

oracle.pga.cache.hit.ratio.percent

Percentage of PGA cache hits

Count

oracle.java.pool.used.bytes

Amount of memory used in the Java pool

Count

oracle.enqueue.waits

Number of enqueue waits

Count

oracle.disk.sorts

Number of disk sorts performed

Count

oracle.enqueue.requests

Number of enqueue requests

Count

oracle.database.block.used.bytes

Amount of block space used in the database

Count

oracle.memory.sorts

Number of memory sorts

Count

oracle.logins

Number of Oracle logins

Count

oracle.sga.memory.free.bytes

Amount of free memory in SGA

Count

oracle.index.scans

Number of index scans

Count

oracle.enqueue.conversations

Number of enqueue conversations

Count

oracle.waiting.sessions

Number of sessions waiting

Count

oracle.user.rollbacks

Number of user rollbacks

Count

oracle.sga.used.bytes

Amount of memory used in SGA

Count

oracle.enqueue.deadlocks

Number of enqueue deadlocks

Count

oracle.free.buffer.waits

Number of waits for free buffers

Count

oracle.cursor.miss.ratio.percent

Percentage of cursor misses

Count

oracle.blocking.sessions

Number of sessions blocking

Count

oracle.version

Oracle database version

String

oracle.open.mode

Oracle database open mode

String

oracle.pga.used.percent

Percentage of PGA memory used

Count

oracle.user.commits

Number of user commits

Count

oracle.consistent.gets

Number of consistent gets

Count

oracle.log.mode

Oracle database log mode

String

oracle.opened.cursors

Number of opened cursors

Count

oracle.enqueue.timeouts

Number of enqueue timeouts

Count

oracle.data.dictionary.cache.hit.ratio.percent

Percentage of data dictionary cache hits

Count

oracle.database.block.gets

Number of database block gets

Count

oracle.avg.executions

Average number of executions

Count

oracle.pga.processes

Number of PGA processes

Count

oracle.pga.used.bytes

Amount of PGA memory used

Count

oracle.buffer.busy.waits

Number of buffer busy waits

Count

oracle.cursor.hit.ratio.percent

Percentage of cursor hits

Count

oracle.write.complete.waits

Number of write complete waits

Count

oracle.active.sessions

Number of active sessions

Count

started.time.sec

Uptime in seconds

Count

started.time

Uptime

String

oracle.table.scans

Number of table scans

Count

oracle.sql.area.used.bytes

The amount of memory in bytes used by SQL areas in the Oracle database.

Count

oracle.database.used.bytes

The total size of the Oracle database in bytes, including data files, control files, and log files.

Count

oracle.database.allocated.bytes

The amount of disk space allocated for the Oracle database in bytes, including data files, control files, and log files.

Count

oracle.database.occupied.bytes

The amount of disk space currently occupied by the Oracle database in bytes.

Count

oracle.database.free.bytes

The amount of free disk space available for the Oracle database in bytes.

Count

oracle.parse.ratio.percent

The percentage of SQL statements parsed compared to the total number of SQL statements executed in the Oracle database.

Count

oracle.user.calls

The total number of calls made by Oracle users, including SQL statements, PL/SQL calls, and other

database operations.

Count

oracle.buffer.cache.hit.ratio.percent

The percentage of data requests serviced from the buffer cache in the Oracle database.

Count

oracle.sga.used.percent

The percentage of the System Global Area (SGA) memory used by the Oracle database.

Count

oracle.sga.memory.used.bytes

The amount of SGA memory used by the Oracle database in bytes.

Count

oracle.fixed.sga.used.bytes

The amount of fixed SGA memory used by the Oracle database in bytes.

Count

oracle.redo.buffers

The number of buffers used for storing redo log information in the Oracle database.

Count

oracle.streams.pool.used.bytes

The amount of memory in bytes used by the Streams pool in the Oracle database.

Count

oracle.buffer.cache.used.bytes

The amount of memory in bytes used by the buffer cache in the Oracle database.

Count

oracle.shared.io.pool.used.bytes

The amount of memory in bytes used by the shared I/O pool in the Oracle database.

Count

oracle.log.destination.archived.sequence

The sequence number of the last archived log in the Oracle log destination.

Count

oracle.log.destination.delay.sec

The delay in seconds for the Oracle log destination.

Count

oracle.log.destination.protection.mode

The protection mode of the Oracle log destination. Possible values include "NORMAL", "MAXIMUM

PERFORMANCE", etc.

String

oracle.log.destination.path

The file path of the Oracle log destination.

String

oracle.log.destination.status

The status of the Oracle log destination. Possible values include "VALID", "INVALID", "ERROR",

etc.

String

oracle.log.destination.affirm

The affirm setting of the Oracle log destination. Possible values include "YES", "NO", etc.

String

oracle.log.destination

The name of the Oracle log destination.

String

oracle.log.destination.type

The type of the Oracle log destination. Possible values include "FILE", "ASM", "STANDBY", etc.

String

oracle.log.destination.id

The unique identifier of the Oracle log destination.

Count

oracle.log.destination.fail.sequence

The sequence number of the last failed log in the Oracle log destination.

Count

oracle.log.destination.timedout.sec

The timeout duration in seconds for the Oracle log destination.

Count

oracle.log.destination.recovery.mode

The recovery mode of the Oracle log destination. Possible values include "MANUAL", "AUTOMATIC", etc.

String

oracle.log.destination.sequence

The current sequence number of the Oracle log destination.

Count

oracle.log.destination.applied.sequence

The sequence number of the last applied log in the Oracle log destination.

Count

oracle.query.username

The username associated with the Oracle query.

String

oracle.query.sid

The system identifier (SID) of the Oracle session executing the query.

Count

oracle.query.executions

The number of times the Oracle query has been executed.

Count

oracle.query.last.update.time

The timestamp of the last update made to the Oracle query.

String

oracle.query.sql.id

The unique identifier (SQL ID) assigned to the Oracle query.

String

oracle.query.start.time

The timestamp when the Oracle query started executing.

String

oracle.query.elapsed.seconds

The elapsed time in seconds for the execution of the Oracle query.

Count

oracle.query

The text of the Oracle query.

String

oracle.session.id

The unique identifier for the Oracle session.

Count

oracle.session.command

The command being executed in the Oracle session.

Count

oracle.session.status

The current status of the Oracle session.

String

oracle.session.remote.client

The remote client connected to the Oracle session.

String

oracle.session.user

The user associated with the Oracle session.

Count

oracle.session.query

The number of queries executed in the Oracle session.

Count

oracle.session.application

The application associated with the Oracle session.

String

oracle.session.duration.sec

The duration of the Oracle session in seconds.

Count

oracle.session.duration

The duration of the Oracle session.

String

oracle.session.logon.time

The timestamp when the Oracle session was logged on.

String

oracle.session.cpu.time.ms

The CPU time in milliseconds used by the Oracle session.

Count

oracle.session.memory.sorts

The number of sorts performed in memory by the Oracle session.

Count

oracle.session.disk.sorts

The number of sorts performed on disk by the Oracle session.

Count

oracle.session.table.sorts

The number of table sorts performed by the Oracle session.

Count

oracle.session.physical.reads

The number of physical disk reads performed by the Oracle session.

Count

oracle.session.logical.reads

The number of logical reads performed by the Oracle session.

Count

oracle.session.commits

The number of commits performed in the Oracle session.

Count

oracle.session.cursors

The number of cursors used in the Oracle session.

Count

oracle.blocked.session.id

The unique identifier for the blocked Oracle session.

Count

oracle.session.blocked.id

The unique identifier of the session being blocked.

Count

oracle.session.blocking.user

The user responsible for blocking the Oracle session.

String

oracle.session.blocked.program

The program associated with the blocked Oracle session.

String

oracle.session.blocking.host

The host of the session responsible for blocking.

String

oracle.session.blocked.host

The host of the blocked Oracle session.

String

oracle.session.lock.type

The type of lock held by the Oracle session.

String

oracle.session.blocking.lock.mode

The lock mode used by the session responsible for blocking.

String

oracle.session.blocked.lock.mode

The lock mode held by the blocked session.

String

oracle.session.lock.id2

The second identifier of the lock held by the Oracle session.

Count

oracle.session.lock.id1

The first identifier of the lock held by the Oracle session.

Count

oracle.session.blocked.user

The user associated with the blocked Oracle session.

String

oracle.session.blocking.program

The program associated with the session responsible for blocking.

String

oracle.waiting.session.id

The unique identifier for the waiting Oracle session.

Count

oracle.session.blocking.id

The unique identifier of the session being blocked.

Count

oracle.session.serial.id

The serial identifier of the Oracle session.

Count

oracle.session.wait.duration.sec

The duration of time in seconds that the Oracle session waited.

Count

oracle.session.blocking.user

The user responsible for blocking the Oracle session.

String

oracle.rollback.segment.current.size.bytes

The current size in bytes of the Oracle rollback segment.

Count

oracle.rollback.segment.shrinks

The number of times the Oracle rollback segment has shrunk.

Count

oracle.rollback.segment

The name of the Oracle rollback segment.

String

oracle.rollback.segment.next.extent.size.bytes

The size in bytes of the next extent of the Oracle rollback segment.

Count

oracle.rollback.segment.wraps

The number of times the Oracle rollback segment has wrapped.

Count

oracle.rollback.segment.table.space

The table space associated with the Oracle rollback segment.

String

oracle.rollback.segment.status

The status of the Oracle rollback segment.

String

oracle.rollback.segment.initial.extent.size.bytes

The initial size in bytes of the extent of the Oracle rollback segment.

Count

oracle.rollback.segment.extends

The number of times the Oracle rollback segment has extended.

Count

oracle.rollback.segment.water.mark.size

The size of the water mark for the Oracle rollback segment.

Count

oracle.rollback.segment.hit.ratio.percent

The hit ratio percentage of the Oracle rollback segment.

Count

oracle.rac.instance

The name of the Oracle RAC instance.

String

oracle.rac.instance.database.version

The version of the database associated with the RAC instance.

String

oracle.rac.instance.status

The status of the Oracle RAC instance.

String

oracle.rac.instance.host.name

The host name where the RAC instance is running.

String

oracle.job

The name of the Oracle job.

String

oracle.job.current.status

The current status of the Oracle job.

String

oracle.job.executions

The number of times the Oracle job has been executed.

Count

oracle.job.fails

The number of times the Oracle job has failed.

Count

oracle.job.retries

The number of retries for the Oracle job.

Count

oracle.job.last.status

The last status of the Oracle job.

Count

oracle.job.last.execution.time

The time of the last execution of the Oracle job.

String

oracle.job.next.execution.time

The next scheduled execution time of the Oracle job.

String

oracle.job.enable

Indicates whether the Oracle job is enabled or disabled.

String

oracle.job.last.execution.duration.sec

The duration of the last execution of the Oracle job in seconds.

Count

oracle.job.elapsed.time

The elapsed time of the Oracle job.

Count

oracle.index.table.name

The name of the table associated with the Oracle index.

Count

oracle.index.index.type

The type of the Oracle index.

Count

oracle.index.uniqueness

Indicates the uniqueness of the Oracle index.

Count

oracle.index.column.name

The name of the column associated with the Oracle index.

Count

oracle.index

The name of the Oracle index.

Count

oracle.unused.index

The name of the unused Oracle index.

Count

oracle.unused.index.owner

The owner of the unused Oracle index.

Count

oracle.unused.index.table.name

The name of the table associated with the unused Oracle index.

Count

oracle.unused.index.rows

The number of rows in the unused Oracle index.

Count

oracle.unused.index.size.bytes

The size of the unused Oracle index in bytes.

Count

oracle.unused.index.constraint.name

The name of the constraint associated with the unused Oracle index.

Count

oracle.unused.index.idle.time.days

The number of idle days for the unused Oracle index.

Count

oracle.asm.disk.group.number

The number associated with the Oracle ASM disk group.

String

oracle.asm.disk.group

The name of the Oracle ASM disk group.

String

oracle.asm.disk.group.state

The state of the Oracle ASM disk group.

String

oracle.asm.disk.group.type

The type of the Oracle ASM disk group.

String

oracle.asm.disk.group.provisioned.bytes

The number of provisioned bytes in the Oracle ASM disk group.

Count

oracle.asm.disk.group.free.bytes

The number of free bytes in the Oracle ASM disk group.

Count

oracle.asm.disk.group.used.bytes

The number of used bytes in the Oracle ASM disk group.

Count

oracle.data.files

The number of Oracle data files.

Count

oracle.table.spaces

The number of Oracle table spaces.

Count

oracle.temp.table.space.size.bytes

The size of the temporary table space in bytes.

Count

oracle.temp.table.space.used.bytes

The amount of used space in the temporary table space in bytes.

Count

oracle.temp.table.space.free.bytes

The amount of free space in the temporary table space in bytes.

Count

oracle.temp.table.space.used.percent

The percentage of used space in the temporary table space.

Count

oracle.data.file

The name of the Oracle data file.

String

oracle.data.file.read.time.ms

The time taken to read the Oracle data file in milliseconds.

Count

oracle.data.file.tablespace

The table space associated with the Oracle data file.

String

oracle.data.file.size.bytes

The size of the Oracle data file in bytes.

Count

oracle.data.file.status

The status of the Oracle data file.

String

oracle.data.file.write.time.ms

The time taken to write to the Oracle data file in milliseconds.

Count

oracle.data.file.physical.writes

The number of physical writes to the Oracle data file.

Count

oracle.data.file.physical.reads

The number of physical reads from the Oracle data file.

Count

oracle.table.space

The name of the Oracle table space.

String

oracle.table.space.utilization.percent

The percentage of utilization in the Oracle table space.

Count

oracle.table.space.blocks

The number of blocks in the Oracle table space.

Count

oracle.table.space.size.bytes

The size of the Oracle table space in bytes.

Count

oracle.table.space.used.bytes

The amount of used space in the Oracle table space in bytes.

Count

oracle.table.space.write.time.ms

The time taken to write to the Oracle table space in milliseconds.

Count

oracle.table.space.data.files

The number of data files in the Oracle table space.

Count

oracle.table.space.read.time.ms

The time taken to read from the Oracle table space in milliseconds.

Count

oracle.table.space.free.blocks

The number of free blocks in the Oracle table space.

Count

oracle.table

The name of the Oracle table.

String

oracle.table.space.name

The name of the table space associated with the Oracle table.

String

oracle.table.status

The status of the Oracle table.

String

oracle.table.partitioned

Indicates whether the Oracle table is partitioned.

String

oracle.table.rows

The number of rows in the Oracle table.

Count

oracle.table.size.bytes

The size of the Oracle table in bytes.

Count

Page Title: palo-alto-firewall

On this page

Palo Alto

Overview

â€‹

Palo Alto Firewall, the advanced and sophisticated firewall solutions by Palo Alto Networks, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and security of their Palo Alto Firewalls. Monitor critical firewall metrics such as traffic patterns, connection status, and threat activity to ensure a secure and protected network environment.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.os.version

The version of the operating system running on the SNMP device.

String

system.hardware.version

The version of the hardware of the SNMP device.

String

system.serial.no

The serial number of the SNMP device.

String

paloalto.vpn.client.version

The version of the VPN client installed on the SNMP device.

String

paloalto.application.version

The version of the application installed on the SNMP device.

String

paloalto.antivirus.version

The version of the antivirus software installed on the SNMP device.

String

paloalto.threat.version

The version of the threat intelligence data installed on the SNMP device.

String

paloalto.url.filtering.version

The version of the URL filtering database installed on the SNMP device.

String

paloalto.global.protect.version

The version of the GlobalProtect client installed on the SNMP device.

String

paloalto.opswat.datafile.version

The version of the OPSWAT data file installed on the SNMP device.

String

paloalto.session.percent

The percentage of sessions currently active on the PaloAlto firewall.

Percentage

paloalto.active.sessions

The number of active sessions on the PaloAlto firewall.

Count

paloalto.tcp.active.sessions

The number of active TCP sessions on the PaloAlto firewall.

Count

paloalto.udp.active.sessions

The number of active UDP sessions on the PaloAlto firewall.

Count

paloalto.icmp.active.sessions

The number of active ICMP sessions on the PaloAlto firewall.

Count

paloalto.ssl.proxy.active.sessions

The number of active SSL proxy sessions on the PaloAlto firewall.

Count

paloalto.ssl.proxy.session.percent

The percentage of SSL proxy sessions currently active on the PaloAlto firewall.

Percentage

paloalto.maximum.sessions

The maximum number of sessions that the PaloAlto firewall can handle.

Count

paloalto.vsys.active.sessions

The number of active sessions for a specific virtual system (vsys) on the PaloAlto firewall.

Count

paloalto.vsys.maximum.sessions

The maximum number of sessions supported for a specific virtual system (vsys).

Count

paloalto.vsys.session.used.percent

The percentage of sessions used for a specific virtual system (vsys) on the PaloAlto firewall.

Percentage

system.cpu.percent

The CPU utilization percentage of the SNMP device.

Percentage

system.1min.avg.cpu.percent

The average CPU utilization percentage over the last one minute on the SNMP device.

Percentage

system.memory.used.percent

The percentage of used memory on the SNMP device.

Percentage

system.disk.volume.type

The type of disk volume on the SNMP device.

String

system.disk.volume

The name of the disk volume on the SNMP device.

String

system.disk.volume.capacity.bytes

The total capacity of the disk volume in bytes on the SNMP device.

Count

system.disk.volume.used.bytes

The used space in bytes on the disk volume of the SNMP device.

Count

system.disk.volume.used.percent

The percentage of used space on the disk volume of the SNMP device.

Percentage

paloalto.ha.state

The state of high availability (HA) on the PaloAlto firewall.

String

paloalto.ha.peer.state

The state of the HA peer on the PaloAlto firewall.

String

paloalto.ha.mode

The mode of high availability (HA) on the PaloAlto firewall.

String

tunnel.life.time.sec

The lifetime duration of the tunnel in seconds.

Count

tunnel.active.time.sec

The time duration that the tunnel has been active in seconds.

Count

tunnel

The identifier or name of the tunnel.

String

tunnel.source.ip.address

The source IP address of the tunnel.

String

tunnel.out.traffic.bytes.rate

The rate of outgoing traffic in bytes per second through the tunnel.

Count

tunnel.in.traffic.bytes.rate

The rate of incoming traffic in bytes per second through the tunnel.

Count

tunnel.destination.ip.address

The destination IP address of the tunnel.

String

tunnel.name

The name or label assigned to the tunnel.

String

tunnel.status

The current status of the tunnel.

String

remote.vpn.active.connections

The number of active VPN connections from remote clients.

Count

remote.vpn.client.in.traffic.bytes.rate

The incoming traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.out.traffic.bytes.rate

The outgoing traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.protocol

The communication protocol used by the VPN client.

String

remote.vpn.client.encryption.algorithm

The encryption algorithm used by the VPN client.

String

remote.vpn.client

The identifier or name of the remote VPN client.

String

remote.vpn.client.duration.sec

The duration of the VPN client connection in seconds.

Count

remote.vpn.client.app.version

The version of the VPN client application.

String

remote.vpn.client.duration

The duration of the VPN client connection.

String

remote.vpn.client.status

The status of the VPN client connection.

String

remote.vpn.user.group

The user group associated with the remote VPN client.

String

remote.vpn.client.app

The application name of the remote VPN client.

String

Page Title: phoenixtec-ups

On this page

Phoenixtec

Overview

â€‹

Phoenixtec UPS, the reliable and high-performance uninterruptible power supply solutions by Phoenixtec Power Company, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Phoenixtec UPS devices. Monitor critical UPS metrics such as battery status, load levels, and input/output voltage to ensure continuous and reliable power protection.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

ups.load

The current load on the UPS.

Count

ups.charge

The charge level of the UPS battery.

Percentage

ups.input.line.voltage

The input line voltage supplied to the UPS.

Voltage

ups.output.line.voltage

The output line voltage delivered by the UPS.

Voltage

ups.output.current

The output current provided by the UPS.

Current

ups.sensor.status

The status of the UPS sensor.

String

ups.sensor.communications.status

The communications status of the UPS sensor.

String

ups.battery.last.replace.date

The date of the last UPS battery replacement.

Date

ups.last.self.test.date

The date of the last UPS self-test.

Date

ups.battery.status

The status of the UPS battery.

String

ups.battery.temperature

The temperature of the UPS battery.

Temperature

ups.battery.replace

The status of UPS battery replacement.

String

ups.input.voltage

The input voltage supplied to the UPS.

Voltage

ups.external.batteries.infected

The count of infected external batteries connected to the UPS.

Count

ups.comm.status

The communication status of the UPS.

String

ups.reason.for.last.transfer

The reason for the last transfer of UPS power source.

String

ups.battery.runtime.remain

The remaining runtime of the UPS battery.

Time

ups.output.voltage

The output voltage delivered by the UPS.

Voltage

ups.input.frequency

The input frequency supplied to the UPS.

Frequency

ups.time.remaining

The remaining time of UPS battery backup.

Time

ups.battery.current

The current flowing through the UPS battery.

Current

ups.last.self.test.result

The result of the last UPS self-test.

String

ups.output.status

The status of the UPS output.

String

ups.basic.battery.time.on.battery

The basic battery time on battery power.

Time

ups.temperature

The temperature of the UPS.

Temperature

ups.battery.power.consumed

The power consumed by the UPS battery.

Count

ups.number.transients

The count of voltage transients experienced by the UPS.

Count

ups.battery.voltage

The voltage of the UPS battery.

Voltage

ups.output.frequency

The output frequency delivered by the UPS.

Frequency

ups.inverter.state

The state of the UPS inverter.

String

ups.output.power

The power output of the UPS.

Power

ups.bypass.state

The state of the UPS bypass.

String

ups.battery.installed

Indicates whether a battery is installed in the UPS.

String

ups.load

The load connected to the UPS output.

Load

ups.battery.sys.shutdown.duration

The duration of the UPS battery system shutdown.

Time

ups.battery.remaining

The remaining percentage of UPS battery charge.

Percentage

ups.battery.negative.voltage

The negative voltage of the UPS battery.

Voltage

ups.battery.positive.voltage

The positive voltage of the UPS battery.

Voltage

ups.output.load

The load on the UPS output.

Load

ups.elapsed.time.on.battery

The elapsed time the UPS has been on battery power.

Time

ups.battery.charge.remaining.percent

The remaining percentage of UPS battery charge.

Percentage

Load

ups.elapsed.time.on.battery

The elapsed time the UPS has been on battery power.

Time

ups.battery.charge.remaining.percent

Page Title: ping

On this page

Ping

Overview

â€‹

A service check for ping involves monitoring the reachability and response times of network devices or hosts using the Internet Control Message Protocol (ICMP) echo request (ping) and echo reply (pong) messages. Ping is a basic network utility used to test connectivity between two devices and measure the round-trip time it takes for a packet to travel from the sender to the receiver and back.

List of Supported KPIs

â€‹

Name

Description

Type

status

The status of the ping service.

String

service.check.status

The status of the service check.

String

ping.min.latency.ms

The minimum latency of the ping in milliseconds.

Count

ping.max.latency.ms

The maximum latency of the ping in milliseconds.

Count

ping.sent.packets

The number of packets sent during the ping.

Count

ping.received.packets

The number of packets received during the ping.

Count

ping.lost.packets

The number of packets lost during the ping.

Count

ping.packet.lost.percent

The percentage of packets lost during the ping.

Count

service.check.latency.ms

The latency of the service check in milliseconds.

Count

ping.latency.ms

The latency of the ping in milliseconds.

Count

Page Title: postgresql

On this page

PostgreSQL

Overview

â€‹

PostgreSQL, the powerful and open-source relational database management system, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their PostgreSQL databases. Monitor critical database metrics such as query execution times, transaction rates, and database size to ensure efficient data processing and retrieval.

Supported Versions

â€‹

Versions

9.3

9.6

10

11

11.5(windows)

15(linux)

Prerequisites for PostgreSQL Integration with Motadata AIOps:

â€‹

Ensure that the PostgreSQL port (default: 5432) is open for the Motadata AIOps server.

Ensure you have the necessary credentials, including the username and password, for Motadata AIOps to connect to the PostgreSQL database.

Ensure that JDBC is supported on the server where PostgreSQL is configured.

For agentless monitoring, ensure that the user has the required access for remote access to the

PostgreSQL server. For agent-based monitoring, this is not required.

Ensure that the PostgreSQL service is active and running on the server.

Ensure you have the name of the PostgreSQL database that you want to monitor.

Update the

pg_hba.conf

 configuration file by specifying the IPv4 or IPv6 address of the server where Motadata AIOps is

installed.

Update the

postgresql.conf

 configuration file by changing the listen_addresses to '

[IP]

', where 'IP' is the IP address of the server where Motadata AIOps is installed.

Confirm that the PostgreSQL process and service are listed in the process and service monitor

settings of Motadata AIOps. While these may be listed by default, verify that the names of the

service and process match the specific PostgreSQL version that you intend to monitor.

By following these prerequisites, you can integrate PostgreSQL with Motadata AIOps and ensure

smooth functioning of the monitoring process.

List of Supported KPIs

â€‹

Name

Description

Type

system.tags

The system tags associated with the PostgreSQL instance.

String

postgresql.connection.used.percent

The percentage of used connections in the PostgreSQL instance.

Count

postgresql.active.connections

The number of active connections in the PostgreSQL instance.

Count

postgresql.users

The number of users connected to the PostgreSQL instance.

Count

postgresql.held.locks

The number of locks currently held in the PostgreSQL instance.

Count

postgresql.wait.locks

The number of locks waiting in the PostgreSQL instance.

Count

postgresql.active.queries

The number of active queries in the PostgreSQL instance.

Count

postgresql.block.hits.rate

The rate of block hits in the PostgreSQL instance.

Count

postgresql.block.reads.rate

The rate of block reads in the PostgreSQL instance.

Count

postgresql.cache.hit.ratio.percent

The percentage of cache hit ratio in the PostgreSQL instance.

Count

postgresql.commits.rate

The rate of commits in the PostgreSQL instance.

Count

postgresql.rollbacks.rate

The rate of rollbacks in the PostgreSQL instance.

Count

postgresql.inserted.rows.rate

The rate of inserted rows in the PostgreSQL instance.

Count

postgresql.updated.rows.rate

The rate of updated rows in the PostgreSQL instance.

Count

postgresql.deleted.rows.rate

The rate of deleted rows in the PostgreSQL instance.

Count

postgresql.data.directory

The data directory path of the PostgreSQL instance.

String

postgresql.configuration.directory

The configuration directory path of the PostgreSQL instance.

String

postgresql.ident.map.directory

The ident map directory path of the PostgreSQL instance.

String

postgresql.hba.directory

The directory path of the PostgreSQL HBA configuration files.

String

postgresql.external.pid.directory

The directory path for external PostgreSQL PID files.

String

postgresql.sequential.scans.rate

The rate of sequential scans in the PostgreSQL instance.

Count

postgresql.sequential.row.reads.rate

The rate of sequential row reads in the PostgreSQL instance.

Count

postgresql.indexes.scan.rate

The rate of index scans in the PostgreSQL instance.

Count

postgresql.indexes.fetched.row.rate

The rate of fetched rows from indexes in the PostgreSQL instance.

Count

postgresql.indexes.row.read.rate

The rate of row reads from indexes in the PostgreSQL instance.

Count

postgresql.hot.updated.rows.rate

The rate of hot updated rows in the PostgreSQL instance.

Count

postgresql.version

The version of PostgreSQL being used.

String

postgresql.maintenance.work.memory.bytes

The amount of memory used for maintenance work in PostgreSQL.

Count

postgresql.shared.buffer.bytes

The size of shared buffers in PostgreSQL.

Count

postgresql.effective.cache.size.bytes

The effective cache size in PostgreSQL.

Count

postgresql.auto.vacuum

The auto vacuum setting in PostgreSQL.

String

postgresql.work.memory.bytes

The amount of memory used for work in PostgreSQL.

Count

postgresql.maximum.connections

The maximum number of connections allowed in PostgreSQL.

Count

postgresql.wal.buffer.bytes

The size of the write-ahead log (WAL) buffers in PostgreSQL.

Count

postgresql.procedures

The number of procedures in the PostgreSQL database.

Count

postgresql.triggers

The number of triggers in the PostgreSQL database.

Count

postgresql.tables

The number of tables in the PostgreSQL database.

Count

postgresql.index.size.bytes

The size of indexes in the PostgreSQL database.

Count

postgresql.data.size.bytes

The size of data in the PostgreSQL database.

Count

postgresql.max.clean.buffers

The maximum number of clean buffers in PostgreSQL.

Count

postgresql.clean.buffers

The number of clean buffers in PostgreSQL.

Count

postgresql.requested.checkpoints

The number of requested checkpoints in PostgreSQL.

Count

postgresql.waiting.queries

The number of queries waiting in PostgreSQL.

Count

postgresql.checkpoint.buffers

The number of buffers used for checkpoints in PostgreSQL.

Count

postgresql.fetched.rows.rate

The rate of fetched rows in PostgreSQL.

Count

postgresql.allocated.buffers

The number of allocated buffers in PostgreSQL.

Count

postgresql.backend.fsync.buffers

The number of backend fsync buffers in PostgreSQL.

Count

postgresql.ideal.transactions

The number of ideal transactions in PostgreSQL.

Count

postgresql.checkpoint.write.time.ms

The time taken for checkpoint writes in PostgreSQL (in ms).

Count

postgresql.checkpoint.sync.time.ms

The time taken for checkpoint syncs in PostgreSQL (in ms).

Count

postgresql.returned.rows.rate

The rate of returned rows in PostgreSQL.

Count

postgresql.deadlocks

The number of deadlocks in PostgreSQL.

Count

postgresql.backend.buffers

Number of buffers allocated for backends in PostgreSQL

Count

postgresql.scheduled.checkpoints

Total number of scheduled checkpoints in PostgreSQL

Count

postgresql.temporary.bytes

Total temporary disk space used in PostgreSQL (bytes)

Count

postgresql.temporary.files

Total number of temporary files used in PostgreSQL

Count

postgresql.before.xid.wraparound.transactions

Total number of transactions before XID wraparound in PostgreSQL

Count

postgresql.table.space

PostgreSQL table space

String

postgresql.table.space.size.bytes

Size of PostgreSQL table space in bytes

Count

postgresql.table.space.owner

Owner of PostgreSQL table space

String

postgresql.table.space.location

Location of PostgreSQL table space

String

correlation.metrics

Count of correlation metrics recorded

Count

postgres.held.locks

Count of locks currently held in PostgreSQL

Count

postgres.wait.locks

Count of locks for which processes are waiting in PostgreSQL

Count

postgres.session.lock.id

Identifier of a lock acquired by a PostgreSQL session

String

postgres.session.lock.mode

Mode of the lock acquired by a PostgreSQL session

Count

postgres.session.lock.granted

Status indicating if a lock is granted or not

String

postgres.session.lock.type

Type of lock acquired by a PostgreSQL session

String

postgres.session.id

Identifier of a PostgreSQL session

String

postgres.session.username

Username associated with a PostgreSQL session

Count

postgres.session.query

Currently executing query in a PostgreSQL session

String

postgres.session.application

Application associated with a PostgreSQL session (random value)

String

postgres.session.state

State of a PostgreSQL session (random value)

String

postgres.session.remote.client

Remote client information for a PostgreSQL session (random value)

String

postgres.session.start.time

Start time of a PostgreSQL session (random value)

String

correlation.metrics

Count of correlation metrics recorded

Count

postgres.held.locks

Count of locks currently held in PostgreSQL

Count

postgres.wait.locks

Count of locks for which processes are waiting in PostgreSQL

Count

postgres.session.lock.id

Identifier of a lock acquired by a PostgreSQL session

String

postgres.session.lock.mode

Mode of the lock acquired by a PostgreSQL session

Count

postgres.session.lock.granted

Status indicating if a lock is granted or not

String

postgres.session.lock.type

Type of lock acquired by a PostgreSQL session

String

postgres.session.id

Identifier of a PostgreSQL session

String

postgres.session.username

Username associated with a PostgreSQL session

Count

postgres.session.query

Currently executing query in a PostgreSQL session

String

postgres.session.application

Application associated with a PostgreSQL session (random value)

String

postgres.session.state

State of a PostgreSQL session (random value)

String

postgres.session.remote.client

Remote client information for a PostgreSQL session (random value)

String

postgres.session.start.time

Start time of a PostgreSQL session (random value)

String

postgresql.unused.index

Unused index in PostgreSQL

String

postgresql.unused.index.schema.name

Schema name of the unused index

String

postgresql.unused.index.table.name

Table name of the unused index

String

postgresql.unused.index.size.bytes

Size of the unused index in bytes

Count

postgresql.index

Index in PostgreSQL

String

postgresql.index.scans

Number of scans on the index

Count

postgresql.index.schema.name

Schema name of the index

String

postgresql.index.table.name

Table name of the index

String

postgresql.index.read.tuples

Number of tuples read from the index

Count

postgresql.index.fetched.tuples

Number of tuples fetched from the index

Count

postgresql.index.size.bytes

Size of the index in bytes

Count

postgresql.index.rows

Number of rows in the index

Count

Page Title: pulsesecure-firewall

On this page

Pulse Secure

Overview

â€‹

Pulse Secure Firewall, the reliable and advanced firewall solutions by Pulse Secure, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and security of their Pulse Secure Firewalls. Monitor critical firewall metrics such as traffic patterns, connection status, and threat activity to ensure a secure and protected network environment.

Motadata AIOps empowers businesses to proactively detect potential security breaches, troubleshoot firewall issues, and optimize Pulse Secure Firewall configurations for improved protection. Receive instant alerts for suspicious activities, intrusion attempts, or policy violations, allowing prompt action to mitigate potential threats.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.cpu.percent

The percentage of CPU utilization on the SNMP device.

Percentage

system.memory.used.percent

The percentage of used memory on the SNMP device.

Percentage

system.swap.memory.used.percent

The percentage of used swap memory on the SNMP device.

Percentage

system.memory.free.bytes

The amount of free memory in bytes on the SNMP device.

Count

system.disk.used.percent

The percentage of used disk space on the SNMP device.

Percentage

system.product.name

The name of the product or device.

String

system.os.version

The version of the operating system running on the SNMP device.

String

system.cluster.name

The name of the cluster the SNMP device belongs to.

String

pulse.secure.active.web.users

The number of active users accessing web services through Pulse Secure.

Count

pulse.secure.ive.logged.users

The number of users logged in through Pulse Secure IVE.

Count

pulse.secure.cluster.logged.users

The number of users logged in to the Pulse Secure cluster.

Count

pulse.secure.active.meeting.users

The number of users participating in active meetings.

Count

pulse.secure.active.mail.users

The number of users with active email sessions.

Count

pulse.secure.maximum.licensed.users

The maximum number of licensed users supported by Pulse Secure.

Count

pulse.secure.ive.vpn.tunnels

The number of VPN tunnels established through Pulse Secure IVE.

Count

pulse.secure.ive.ssl.connections

The number of SSL connections established through Pulse Secure IVE.

Count

temperature.sensor.reading.celsius

The temperature reading in Celsius from the temperature sensor.

Count

tunnel.life.time.sec

The lifetime duration of the tunnel in seconds.

Count

tunnel.active.time.sec

The time duration that the tunnel has been active in seconds.

Count

tunnel

The identifier or name of the tunnel.

String

tunnel.source.ip.address

The source IP address of the tunnel.

String

tunnel.out.traffic.bytes.rate

The rate of outgoing traffic in bytes per second through the tunnel.

Count

tunnel.in.traffic.bytes.rate

The rate of incoming traffic in bytes per second through the tunnel.

Count

tunnel.destination.ip.address

The destination IP address of the tunnel.

String

tunnel.name

The name or label assigned to the tunnel.

String

tunnel.status

The current status of the tunnel.

String

remote.vpn.active.connections

The number of active VPN connections from remote clients.

Count

remote.vpn.client.in.traffic.bytes.rate

The incoming traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.out.traffic.bytes.rate

The outgoing traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.protocol

The communication protocol used by the VPN client.

String

remote.vpn.client.encryption.algorithm

The encryption algorithm used by the VPN client.

String

remote.vpn.client

The identifier or name of the remote VPN client.

String

remote.vpn.client.duration.sec

The duration of the VPN client connection in seconds.

Count

remote.vpn.client.app.version

The version of the VPN client application.

String

remote.vpn.client.duration

The duration of the VPN client connection.

String

remote.vpn.client.status

The status of the VPN client connection.

String

remote.vpn.user.group

The user group associated with the remote VPN client.

String

remote.vpn.client.app

The application name of the remote VPN client.

String

Page Title: rabbitmq

On this page

RabbitMQ

Overview

â€‹

RabbitMQ, the flexible and scalable message broker software, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their RabbitMQ messaging infrastructure. Monitor critical messaging metrics such as message throughput, queue sizes, and connection status to ensure smooth and reliable message communication.

Supported Versions

â€‹

Versions

3

4.0

4.1+

3.8.9.0(Windows)

3.8.1(Windows)

3.6.9(Linux)

Prerequisites for Rabbit MQ Integration with Motadata AIOps

â€‹

Ensure that the Rabbit MQ port (default: 15672) is open for the Motadata AIOps server.

Confirm that the Rabbit MQ process and service are listed in the process and monitor settings of Motadata AIOps. While these may be listed by default, ensure that the names of the service and process match the specific Rabbit MQ version that you intend to monitor.

Ensure that either HTTP or HTTPS are supported on the Rabbit MQ server.

Provide the necessary credentials, including the username and password, for Motadata AIOps to connect to the Rabbit MQ server.

Confirm that the Rabbit MQ service is active and running on the server.

For agentless monitoring, ensure that the user has the required access for remote access to the Rabbit MQ server. For agent-based monitoring, this is not required.

Configure the Connections, Channels, and Queues tab in RabbitMQ application to ensure the relevant data is accessible for monitoring through Motadata AIOps.

By completing these configurations, you enable Motadata AIOps to effectively monitor and manage RabbitMQ, including its connections, channels, and queues.

List of Supported KPIs

Name

Description

Type

rabbitmq.node

Metric representing the RabbitMQ node

String

rabbitmq.node.processes

Number of processes running on the RabbitMQ node

Count

rabbitmq.node.used.processes

Number of used processes on the RabbitMQ node

Count

rabbitmq.node.used.sockets

Number of used sockets on the RabbitMQ node

Count

rabbitmq.node.memory.used.bytes

Amount of memory used by the RabbitMQ node

Count

rabbitmq.node.sockets

Number of sockets on the RabbitMQ node

Count

rabbitmq.node.disk.free.bytes

Amount of free disk space on the RabbitMQ node

Count

rabbitmq.node.memory.limit.bytes

Memory limit set for the RabbitMQ node

Count

rabbitmq.node.atom.memory.bytes

Amount of memory used by atom objects

Count

rabbitmq.node.binary.memory.bytes

Amount of memory used by binary objects

Count

rabbitmq.node.mgmt.db.memory.bytes

Amount of memory used by the management database

Count

rabbitmq.node.plugin.memory.bytes

Amount of memory used by RabbitMQ plugins

Count

rabbitmq.node.system.other.memory.bytes

Amount of memory used by other system components

Count

rabbitmq.node.code.memory.bytes

Amount of memory used by Erlang code

Count

rabbitmq.node.connection.memory.bytes

Amount of memory used by connections

Count

rabbitmq.node.other.ets.memory.bytes

Amount of memory used by other ETS tables

Count

rabbitmq.node.msg.index.memory.bytes

Amount of memory used for message indexing

Count

rabbitmq.node.other.process.memory.bytes

Amount of memory used by other RabbitMQ node processes

Count

rabbitmq.node.mnesia.memory.bytes

Amount of memory used by RabbitMQ Mnesia database

Count

rabbitmq.node.queue.memory.bytes

Amount of memory used by RabbitMQ queues

Count

rabbitmq.version

Version of RabbitMQ installed

String

rabbitmq.exchanges

Number of exchanges in RabbitMQ

Count

rabbitmq.consumers

Number of consumers in RabbitMQ

Count

rabbitmq.channels

Number of channels in RabbitMQ

Count

rabbitmq.queues

Number of queues in RabbitMQ

Count

rabbitmq.connections

Number of connections to RabbitMQ

Count

rabbitmq.ready.messages

Number of ready messages in RabbitMQ

Count

rabbitmq.unacknowledged.messages

Number of unacknowledged messages in RabbitMQ

Count

rabbitmq.messages

Total number of messages in RabbitMQ

Count

rabbitmq.message.publishes.per.sec

Number of message publishes per second in RabbitMQ

Count

rabbitmq.message.confirms.per.sec

Number of message confirms per second in RabbitMQ

Count

rabbitmq.queue

RabbitMQ queue name

String

rabbitmq.queue.publishes.per.sec

Number of message publishes per second to the queue

Count

rabbitmq.queue.gets.per.sec

Number of message gets per second from the queue

Count

rabbitmq.queue.acks.per.sec

Number of message acks per second from the queue

Count

rabbitmq.queue.redelivers.per.sec

Number of message redelivers per second from the queue

Count

rabbitmq.exchange

RabbitMQ exchange name

String

rabbitmq.exchange.out.publishes.per.sec

Number of message publishes per second from the exchange

Count

rabbitmq.exchange.in.publishes.per.sec

Number of message publishes per second to the exchange

Count

rabbitmq.exchange.confirms.per.sec

Number of message confirms per second for the exchange

Count

rabbitmq.exchange.type

Type of the RabbitMQ exchange

String

rabbitmq.connection

RabbitMQ connection name

String

rabbitmq.connection.protocol

Protocol used for the RabbitMQ connection

String

rabbitmq.connection.state

State of the RabbitMQ connection

String

rabbitmq.connection.user

User associated with the RabbitMQ connection

String

rabbitmq.connection.sent.bytes

Total number of bytes sent through the connection

Count

rabbitmq.connection.received.bytes

Total number of bytes received through the connection

Count

rabbitmq.connection.sent.bytes.per.sec

Rate of bytes sent per second through the connection

Count

rabbitmq.connection.received.bytes.per.sec

Rate of bytes received per second through the connection

Count

rabbitmq.channel

RabbitMQ channel name

String

rabbitmq.channel.uncommitted.acks

Number of uncommitted acknowledgments on the RabbitMQ channel

Count

rabbitmq.channel.prefetches

Number of messages prefetched on the RabbitMQ channel

Count

rabbitmq.channel.unacknowledged.messages

Number of unacknowledged messages on the RabbitMQ channel

Count

rabbitmq.channel.unconfirmed.messages

Number of unconfirmed messages on the RabbitMQ channel

Count

rabbitmq.channel.uncommitted.messages

Number of uncommitted messages on the RabbitMQ channel

Count

rabbitmq.channel.get.delivers.per.sec

Rate of delivered messages per second on the RabbitMQ channel

Count

rabbitmq.channel.noack.delivers.per.sec

Rate of no-acknowledgment deliveries per second on the RabbitMQ channel

Count

rabbitmq.channel.publishes.per.sec

Rate of message publishes per second on the RabbitMQ channel

Count

rabbitmq.channel.confirms.per.sec

Rate of message confirms per second on the RabbitMQ channel

Count

Page Title: radius

On this page

RADIUS

Overview

â€‹

A service check for RADIUS (Remote Authentication Dial-In User Service) involves monitoring the functionality and availability of RADIUS servers in a network. RADIUS is a networking protocol used for centralized user authentication, authorization, and accounting, particularly in environments with remote access services like Virtual Private Networks (VPNs), Wi-Fi networks, or dial-up connections.

Prerequisites for RADIUS Integration with Motadata AIOps

â€‹

Ensure that the RADIUS port (default: 1812) is open for the Motadata AIOps server.

Provide the necessary credentials, including the username, secret key, and password, for Motadata AIOps to connect to the RADIUS server.

By fulfilling this prerequisite, you can integrate RADIUS with Motadata AIOps and ensure effective monitoring and management of your RADIUS server.

List of Supported KPIs

â€‹

Name

Description

Type

status

Represents the status of the radius

String

service.check.status

Represents the status of the service check

String

service.check.latency.ms

Latency in milliseconds for service check

Count

radius.latency.ms

Latency in milliseconds for radius

Count

Page Title: radware-loadbalancer

On this page

Radware

Overview

â€‹

Radware Load Balancer, the robust and high-performance load balancing solutions by Radware, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Radware Load Balancers. Monitor critical load balancer metrics such as traffic distribution, server health, and resource utilization to ensure optimal application delivery and high availability.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics	Description	Type
ping.min.latency.ms	Minimum latency (in milliseconds) observed during ping	Count
ping.received.packets	Number of packets received during ping	

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.serial.no

The serial number of the SNMP device.

String

system.hardware.version

The hardware version of the SNMP device.

String

active.sessions

The number of active sessions on the SNMP device.

Count

http.1.0.connections

The number of HTTP 1.0 connections on the SNMP device.

Count

http.1.1.connections

The number of HTTP 1.1 connections on the SNMP device.

Count

http.2.0.connections

The number of HTTP 2.0 connections on the SNMP device.

Count

http.transactions.per.sec

The rate of HTTP transactions per second on the SNMP device.

Count

http.1.1.requests

The number of HTTP 1.1 requests on the SNMP device.

Count

http.1.0.requests

The number of HTTP 1.0 requests on the SNMP device.

Count

http.2.0.requests

The number of HTTP 2.0 requests on the SNMP device.

Count

power.supply.sensor.status

The status of the power supply sensor on the SNMP device.

String

fan.sensor.status

The status of the fan sensor on the SNMP device.

String

temperature.sensor.status

The status of the temperature sensor on the SNMP device.

String

system.memory.used.percent

The percentage of used memory on the SNMP device.

Percentage

system.memory.capacity.bytes

The total capacity of memory on the SNMP device.

Count

system.memory.configured.bytes

The configured memory on the SNMP device.

Count

system.switch.processor

The switch processor on the SNMP device.

Count

system.memory.initial.free.bytes

The initial free memory on the SNMP device.

Count

system.memory.cached.bytes

The cached memory on the SNMP device.

Count

management.processor.cpu.percent

The CPU utilization of the management processor.

Percentage

management.processor.4sec.avg.cpu.percent

The 4-second average CPU utilization of the management processor.

Percentage

management.processor.64sec.avg.cpu.percent

The 64-second average CPU utilization of the management processor.

Percentage

management.processor.virtual.memory.bytes

The virtual memory of the management processor.

Count

management.processor.resident.memory.bytes

The resident memory of the management processor.

Count

switch.processor.cpu.percent

The CPU utilization of the switch processor.

Percentage

switch.processor.4sec.avg.cpu.percent

The 4-second average CPU utilization of the switch processor.

Percentage

switch.processor.64sec.avg.cpu.percent

The 64-second average CPU utilization of the switch processor.

Percentage

Page Title: radware-router

On this page

Radware

Overview

â€‹

Radware Router, the advanced and high-performance router solutions by Radware, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Radware Routers. Monitor critical router metrics such as interface utilization, routing table status, and packet forwarding to ensure smooth and efficient network routing.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.serial.no

The serial number of the SNMP device.

string

system.hardware.version

The hardware version of the SNMP device.

string

active.sessions

The number of active sessions on the SNMP device.

count

http.1.0.connections

The number of HTTP 1.0 connections on the SNMP device.

count

http.1.1.connections

The number of HTTP 1.1 connections on the SNMP device.

count

http.2.0.connections

The number of HTTP 2.0 connections on the SNMP device.

count

http.transactions.per.sec

The rate of HTTP transactions per second on the SNMP device.

count

http.1.1.requests

The number of HTTP 1.1 requests on the SNMP device.

count

http.1.0.requests

The number of HTTP 1.0 requests on the SNMP device.

count

http.2.0.requests

The number of HTTP 2.0 requests on the SNMP device.

count

power.supply.sensor.status

The status of the power supply sensor on the SNMP device.

string

fan.sensor.status

The status of the fan sensor on the SNMP device.

string

temperature.sensor.status

The status of the temperature sensor on the SNMP device.

string

system.memory.stats

The memory statistics of the SNMP device.

count

system.memory.free.stats

The free memory statistics of the SNMP device.

count

system.memory.used.percent

The percentage of used memory on the SNMP device.

count

system.memory.capacity.bytes

The capacity of memory in bytes on the SNMP device.

count

system.memory.configured.bytes

The configured memory in bytes on the SNMP device.

count

system.switch.processor

The processor used by the switch on the SNMP device.

count

system.memory.initial.free.bytes

The initial free memory in bytes on the SNMP device.

count

system.memory.cached.bytes

The cached memory in bytes on the SNMP device.

count

management.processor.cpu.percent

The CPU percentage used by the management processor on the SNMP device.

count

management.processor.4sec.avg.cpu.percent

The 4-second average CPU percentage used by the management processor.

count

management.processor.64sec.avg.cpu.percent

The 64-second average CPU percentage used by the management processor.

count

management.processor.virtual.memory.bytes

The virtual memory in bytes used by the management processor.

count

management.processor.resident.memory.bytes

The resident memory in bytes used by the management processor.

count

switch.processor.cpu.percent

The CPU percentage used by the switch processor on the SNMP device.

count

switch.processor.4sec.avg.cpu.percent

The 4-second average CPU percentage used by the switch processor.

count

switch.processor.64sec.avg.cpu.percent

The 64-second average CPU percentage used by the switch processor.

count

bgp.peer

The BGP peer identifier or name.

String

bgp.peer.remote.as

The remote AS number associated with the BGP peer.

Count

bgp.peer.status

The status of the BGP peer (e.g., up, down).

String

bgp.local.peer.address

The local IP address of the BGP peer.

String

bgp.remote.peer.address

The remote IP address of the BGP peer.

String

bgp.peer.time

The time when the BGP peer was established.

String

bgp.peer.updated.time

The time when the BGP peer status was last updated.

String

isis.neighbour.last.up.time

The last time the ISIS neighbour came up.

String

isis.neighbour.hold.time

The hold time of the ISIS neighbour.

String

isis.neighbour.system.type

The system type of the ISIS neighbour.

String

isis.neighbour.3way.state

The 3-way state of the ISIS neighbour.

String

isis.neighbour.state

The state of the ISIS neighbour.

String

isis.neighbour

The identifier or name of the ISIS neighbour.

String

isis.neighbour.protocol

The protocol used by the ISIS neighbour.

String

ospf.neighbour.remote.as

The remote AS number associated with the OSPF neighbour.

String

ospf.neighbour.status

The status of the OSPF neighbour (e.g., up, down).

String

ospf.neighbour

The identifier or name of the OSPF neighbour.

String

ip.route

The IP route entry.

String

ip.route.subnet.mask

The subnet mask associated with the IP route.

String

ip.route.last.updated.sec

The time in seconds since the IP route was last updated.

Count

ip.route.protocol

The routing protocol associated with the IP route.

String

ip.route.metric

The metric value of the IP route.

String

ip.route.type

The type of IP route (e.g., static, dynamic).

String

ip.route.next.hop

The next-hop IP address for the IP route.

String

ip.route.last.updated

The last time the IP route was updated.

String

ip.routing.type

The type of IP routing (e.g., unicast, multicast).

String

ip.route.interface.index

The index of the network interface associated with the IP route.

Count

Page Title: radware-switch

On this page

Radware

Overview

â€‹

Radware Switch, the advanced and high-performance network switch solutions by Radware, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Radware Switches. Monitor critical network switch metrics such as port utilization, link status, and traffic patterns to ensure smooth and efficient network operation.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.serial.no

The serial number of the SNMP device.

string

system.hardware.version

The hardware version of the SNMP device.

string

active.sessions

The number of active sessions on the SNMP device.

count

http.1.0.connections

The number of HTTP 1.0 connections on the SNMP device.

count

http.1.1.connections

The number of HTTP 1.1 connections on the SNMP device.

count

http.2.0.connections

The number of HTTP 2.0 connections on the SNMP device.

count

http.transactions.per.sec

The rate of HTTP transactions per second on the SNMP device.

count

http.1.1.requests

The number of HTTP 1.1 requests on the SNMP device.

count

http.1.0.requests

The number of HTTP 1.0 requests on the SNMP device.

count

http.2.0.requests

The number of HTTP 2.0 requests on the SNMP device.

count

power.supply.sensor.status

The status of the power supply sensor on the SNMP device.

string

fan.sensor.status

The status of the fan sensor on the SNMP device.

string

temperature.sensor.status

The status of the temperature sensor on the SNMP device.

string

system.memory.stats

The memory statistics of the SNMP device.

count

system.memory.free.stats

The free memory statistics of the SNMP device.

count

system.memory.used.percent

The percentage of used memory on the SNMP device.

count

system.memory.capacity.bytes

The capacity of memory in bytes on the SNMP device.

count

system.memory.configured.bytes

The configured memory in bytes on the SNMP device.

count

system.switch.processor

The processor used by the switch on the SNMP device.

count

system.memory.initial.free.bytes

The initial free memory in bytes on the SNMP device.

count

system.memory.cached.bytes

The cached memory in bytes on the SNMP device.

count

management.processor.cpu.percent

The CPU percentage used by the management processor on the SNMP device.

count

management.processor.4sec.avg.cpu.percent

The 4-second average CPU percentage used by the management processor.

count

management.processor.64sec.avg.cpu.percent

The 64-second average CPU percentage used by the management processor.

count

management.processor.virtual.memory.bytes

The virtual memory in bytes used by the management processor.

count

management.processor.resident.memory.bytes

The resident memory in bytes used by the management processor.

count

switch.processor.cpu.percent

The CPU percentage used by the switch processor on the SNMP device.

count

switch.processor.4sec.avg.cpu.percent

The 4-second average CPU percentage used by the switch processor.

count

switch.processor.64sec.avg.cpu.percent

The 64-second average CPU percentage used by the switch processor.

count

vlan.name

The name of the VLAN.

String

vlan.status

The status of the VLAN.

String

vlan

The VLAN identifier.

String

vlan.ports

The list of ports associated with the VLAN.

String

vlan.port

The specific port associated with the VLAN.

String

Page Title: rhel

On this page

Red Hat Enterprise Linux

Overview

â€‹

The Red Hat Enterprise Linux (RHEL) integration in Motadata AIOps provides comprehensive monitoring capabilities for RHEL-based systems. By capturing and analyzing critical performance data, system logs, and metrics from RHEL devices and servers, this integration offers valuable insights into the health and performance of the RHEL infrastructure. With real-time visibility, administrators can proactively detect and resolve potential issues, optimize resource allocation, and ensure the smooth and secure operation of their RHEL environment, promoting overall stability and productivity.

Prerequisites

â€‹

Kindly refer the prerequisites for

Adding Linux Servers for Monitoring here

.

List of Supported KPIs

â€‹

RHEL

â€‹

Metrics

Description

Type

system.network.in.bytes.rate

Rate

system.overall.memory.free.bytes

The amount of free space available in RAM on your host.

Bytes

system.load.avg15.min

The average system load over fifteen minutes. (available for Linux only)

Percentage

system.cpu.type

system.swap.memory.free.bytes

The amount of free swap space.

Bytes

system.swap.memory.used.percent

The percentage of used swap memory in your system.

Percentage

system.vendor

The name of the vendor for the monitoring device

String

system.load.avg1.min

The average system load over one minute. (available for Linux only)

Percentage

system.network.udp.connections

The total number of UDP connections.

Count

system.load.avg5.min

The average system load over five minutes. (available for Linux only)

Percentage

system.blocked.processes

The number of blocked processes in the system.

Count

system.opened.file.descriptors

The number of file descriptors used by a particular process.

Count

system.cache.memory.bytes

The amount of the RAM used as cache memory.

Bytes

system.swap.memory.provisioned.bytes

Bytes

system.disk.io.time.percent

The percentage of time spent reading or writing to the disk

Percentage

system.network.tcp.connections

The total number of TCP connections.

Count

system.virtual

system.cpu.cores

The number of CPU cores on your host.

Count

system.os.name

The name of the operating system on your host.

String

system.os.version

The version of the operating system on your host.

String

system.context.switches.per.sec

The number of context switches per second.

Rate

system.disk.capacity.bytes

The capacity of the disk.

Bytes

system.network.tcp.retransmissions

The count of lost or damaged packets that were resent over the network.

Count

system.buffer.memory.bytes

The amount of the RAM used as buffer memory.

Bytes

system.swap.memory.used.bytes

The amount of used swap space in your system.

Bytes

system.cpu.interrupt.percent

The percentage of time the CPU has spent servicing hardware interrupts

system.memory.available.bytes

The amount of free RAM.

Bytes

system.interrupts.per.sec

The number of CPU interrupts per second.

Rate

system.overall.memory.used.bytes

The amount of used space in RAM.

Bytes

system.disk.io.ops.per.sec

The number of read-write operations per second on the device.

Rate

uptime

uptime.sec

The time for which the system has been available.

Seconds

system.swap.memory.free.percent

The percentage of free swap space out of the total swap space.

Percentage

system.disk.io.bytes.per.sec

The amount of bytes transferred per second in I/O operations to and from the disk.

Rate

system.network.bytes.rate

The number of bytes sent/received for a device per second.

Rate

system.disk.io.queue.length

The queue length of IO requests issued to your device.

Count

system.memory.installed.bytes

system.cpu.percent

The percentage of a CPU being utilized at a particular instance.

Percentage

system.disk.free.bytes

The total amount of free disk space available on a system.

Bytes

system.memory.used.bytes

The total amount of used RAM on a system.

Bytes

system.memory.free.bytes

The total amount of free RAM space on a system.

Bytes

system.overall.memory.used.percent

The percentage of used RAM out of the total RAM.

Percentage

system.model

The model of the device.

String

system.running.processes

The total number of running processes in the system.

Count

system.cpu.user.percent

The percentage of time the CPU spent running user space processes.

Percentage

system.memory.free.percent

The percentage of free RAM out of total RAM.

Percentage

system.disk.free.percent

The percentage of free disk space out of the total disk space in the system.

Percentage

system.processor.queue.length

The number of threads that are delayed in the processor ready queue and are waiting to be executed.

Count

system.cpu.io.percent

The percentage of time the CPU spent waiting for IO operations to complete.

Percentage

system.disk.used.percent

The percentage of used disk space out of the total disk space on a system.

Percentage

system.network.error.packets

The total number of error packets in a network.

Count

system.threads

The total number of CPU threads.

Count

system.name

The name of the device.

String

system.disk.used.bytes

The total amount of used disk space on a system.

Count

system.network.out.bytes.rate

system.memory.used.percent

The percentage of used RAM out of total RAM.

Percentage

system.overall.memory.free.percent

system.cpu.kernel.percent

The percent of time the CPU spent running the kernel.

Percentage

system.cpu.idle.percent

The percentage of time the CPU has spent idle.

Percentage

CPU Core

â€‹

Metrics

Description

Type

system.cpu.core

The number of CPU cores on the host.

Count

system.cpu.core.idle.percent

The percentage of time a particular CPU core has spent in idle state.

Percentage

system.cpu.core.percent

The percentage of a CPU core being utilized at a particular instance.

Percentage

system.cpu.core.user.percent

The percentage of time a given CPU core has spent in user mode

Percentage

system.cpu.core.kernel.percent

The percentage of time a given CPU core has spent in kernel mode

Percentage

system.cpu.core.io.percent

The percentage of time a given CPU core has spent waiting for I/O to complete

Percentage

system.cpu.core.interrupt.percent

The percentage of time a given CPU core has spent servicing the interrupts.

Percentage

Directory

â€‹

Metrics	Description	Type
system.directory.files	The number of files in a directory	Count
system.directory.owner	The owner of the system directory	String
system.directory.mode.owner	The file access mode for a user who is an owner of particular directory.	String
system.directory.mode.group	The file access mode for a group that has access to a particular directory	String
system.directory	The name of the directory	String
system.directory.creation.time	The time at which the directory is created.	String
system.directory.modified.duration.minutes	The duration since the directory was last modified.	Seconds
system.directory.size.bytes	The size of the directory.	Bytes

status

String

system.directory.last.modified.time

The time at which the directory was last modifed by a user

String

system.directory.dirs

Count

system.directory.mode.others

The file access mode for all other users that are not owner of the directory.

String

Disk

â€‹

Metrics

Description

Type

system.disk

The name of the particular disk.

String

system.disk.write.ops.per.sec

The writing operations performed on the disk per second.

Rate

system.disk.time.percent

The percentage of time spent doing I/O operations on the disk.

Count

system.disk.bytes.per.sec

The bytes transferred doing I/O operations to and from the disk per second.

Rate

system.disk.ops.per.sec

The I/O operations per second on the disk.

Count

system.disk.read.ops.per.sec

The reading operations per second to the disk.

Count

system.disk.read.bytes.per.sec

The bytes transferred per second reading from the disk.

Count

system.disk.write.bytes.per.sec

The bytes transferred per second writing to the disk.

Count

system.disk.queue.length

The queue length of IO requests issued to your device.

Count

File

â€‹

Metrics

Description

Type

system.file.size.bytes

Total size of the file

Byte

system.file.last.modified.time

The time at which the file was last modified.

String

system.file.modified.duration.minutes

Duration since the file was last modified.

Minutes

system.file.mode.owner

The file access modes for the file if the permission group is â€œownerâ€¢.

String

system.file

The path and the file name of the file

String

system.file.creation.time

The time at which the file was created

String

system.file.owner

The user that created the file.

String

system.file.mode.group

The file access modes for the file if the permission group is â€œgroupâ€¢

String

system.file.mode.others

The file access modes for the file if the permission group is â€œothersâ€¢

String

status

The status of the file whether it is available or not. The value is Up if the file is available and Down if the file is not available.

String

Network Interface

â€¹

Metrics

Metrics	Description	Type

Description

Type

system.network.interface	Name of the interface.	String
system.network.interface.in.bytes.rate	Bytes transferred per second to the network interface.	Rate
system.network.interface.out.bytes.rate	Bytes transferred per second out of the network interface.	Rate
system.network.interface.bytes.rate	Bytes transferred per second in or out of the network itnerface.	Rate

Process

Metrics	Description	Type
system.process.memory.used.percent	The percentage of RAM allocated for use by a process.	Count or percentage?
system.process.virtual.memory.bytes	The total amount of virtual memory used by a process.	Byte
system.process.handles	The number of handles used by a process.	

Count

system.process.user

The name of the user that started the process.

String

system.process.cpu.percent

The CPU utilization of a process.

Percentage

system.process.uptime.sec

The total time in seconds for which the process is running.

Seconds

status

The status of the process. The value is Up if the process is available for monitoring and Down if the process is not available for monitoring.

String

system.process.memory.used.bytes

The total space used in a RAM by a process.

Byte

system.process.uptime

The total time for which the process is in runnning state.

String

system.process.threads

The number of threads used by this process.

Count

system.process.command

The command to identify the status of the process.

String

system.process.io.bytes.per.sec

The bytes transferred per second doing I/O operations to or from the disk for a process.

Rate

system.process

The name of the process.

String

system.process.id

The process Id.

Count

system.process.destination.port

The destination port to which the process communicates.

String

system.process

The name of the process.

String

system.process.source.ip

The source IP from which the process communicates.

String

system.process.destination.ip

The destination IP to which the process communicates.

String

system.process.source.port

The source port from which the process communicates.

String

Page Title: ruckus-wireless

On this page

Ruckus Wireless

Overview

â€‹

Ruckus Wireless, the reliable and high-performance wireless networking solution by Ruckus Networks, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Ruckus wireless infrastructure. Monitor critical wireless network metrics such as client connections, signal strength, and access point utilization to ensure seamless and reliable wireless connectivity.

Prerequisites

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Before configuring the AIOps integration with Ruckus Wireless, ensure that you have the credentials for HTTP/HTTPS access to the Ruckus device.

List of Supported KPIs

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Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

ruckus.wireless.active.wlans

Count of active WLANs

Count

ruckus.wireless.rogue.access.points

Count of rogue access points

Count

ruckus.wireless.licensed.access.points

Count of licensed access points

Count

ruckus.wireless.inactive.wlans

Count of inactive WLANs

Count

ruckus.wireless.wlans

Count of total wireless WLANs

Count

ruckus.wireless.access.points

Count of total wireless access points

Count

ruckus.wireless.access.point.reboots

Count of access point reboots

Count

ruckus.wireless.disconnected.access.points

Count of disconnected access points

Count

ruckus.wireless.healthy.clients

Count of healthy clients

Count

ruckus.wireless.excellent.clients

Count of excellent clients

Count

ruckus.wireless.clients

Count of total wireless clients

Count

ruckus.wireless.warning.clients

Count of warning clients

Count

ruckus.wireless.model

Model of the Ruckus wireless system

String

ruckus.wireless.system.name

Name of the Ruckus wireless system

String

ruckus.wireless.serial.no

Serial number of the Ruckus wireless system

String

ruckus.wireless.version

Version of the Ruckus wireless system

String

started.time

Uptime of the Ruckus wireless system (string)

String

started.time.sec

Uptime of the Ruckus wireless system (seconds)

Count

ruckus.wireless.access.point

Wireless Access Point

String

ruckus.wireless.access.point.cpu.percent

CPU Usage percentage of the Access Point

Count

ruckus.wireless.access.point.memory.installed.bytes

Installed Memory in Bytes of the Access Point

Count

ruckus.wireless.access.point.free.memory.bytes

Free Memory in Bytes of the Access Point

Count

ruckus.wireless.access.point.sent.bytes.rate

Rate of Bytes Sent by the Access Point

Count

ruckus.wireless.access.point.received.bytes.rate

Rate of Bytes Received by the Access Point

Count

ruckus.wireless.access.point.bytes.rate

Total Rate of Bytes (Sent + Received)

Count

ruckus.wireless.access.point.started.time.sec

Uptime of the Access Point in seconds

Count

ruckus.wireless.access.point.started.time

Uptime of the Access Point (string format)

String

ruckus.wireless.access.point.ip.type

Type of IP address (e.g., IPv4 or IPv6)

String

ruckus.wireless.access.point.description

Description of the Access Point

String

ruckus.wireless.access.point.location

Location of the Access Point

String

ruckus.wireless.access.point.external.ip

External IP address of the Access Point

String

ruckus.wireless.access.point.latitude

Latitude of the Access Point

String

ruckus.wireless.access.point.dns

DNS configuration of the Access Point

String

ruckus.wireless.access.point.netmask

Netmask configuration of the Access Point

String

ruckus.wireless.access.point.l3.connection.mode

L3 Connection Mode of the Access Point

String

ruckus.wireless.access.point.ip.address

Wireless Access Point IP Address

String

ruckus.wireless.access.point.ip6

Ruckus Access Point IPv6 Address

String

ruckus.wireless.access.point.longitude

Ruckus Access Point Longitude

String

ruckus.wireless.access.point.mac.address

Wireless Access Point MAC Address

String

ruckus.wireless.access.point.model

Wireless Access Point Model

String

ruckus.wireless.access.point.tunnel.mode

Ruckus Access Point Tunnel Mode

String

ruckus.wireless.access.point.status

Wireless Access Point Status

String

ruckus.wireless.access.point.serial.number

Wireless Access Point Serial Number

String

ruckus.wireless.access.point.gateway

Ruckus Access Point Gateway

String

ruckus.wireless.access.point.external.port

Ruckus Access Point External Port

Count

ruckus.wireless.access.point.clients

Wireless Access Point Clients

Count

ruckus.wireless.access.point.vlan

Ruckus Access Point VLAN

Count

ruckus.wireless.access.point.version

Ruckus Access Point Version

String

ruckus.wireless.access.point.group

Wireless Access Point Group

String

ruckus.wireless.access.point.group

Represents the name of the wireless access point group in the Ruckus wireless system.

String

ruckus.wireless.access.point.group.description

Provides a brief description of the wireless access point group, detailing its purpose or attributes.

String

ruckus.wireless.access.point.group.id

A unique identifier assigned to the wireless access point group for internal tracking purposes.

Count

ruckus.wireless.access.point.group.access.points

Indicates the number of access points associated with the wireless access point group.

Count

interface

Refers to the network interface in the system, such as an Ethernet or Wi-Fi interface.

Count

interface.name

Specifies the name of the network interface for identification and reference.

String

interface.operational.status

Represents the current operational status of the network interface, such as 'up' or 'down'.

String

interface.speed.bytes.per.sec

Shows the data transfer speed of the network interface in bytes per second.

Count

interface.address

The IP address associated with the network interface.

String

interface.out.packets

The total number of outgoing packets transmitted through the network interface.

Count

interface.sent.octets

The total number of outgoing octets (bytes) transmitted through the network interface.

Count

interface.received.octets

The total number of incoming octets (bytes) received through the network interface.

Count

interface.in.packets

The total number of incoming packets received through the network interface.

Count

ruckus.wireless.wlan.name

The name of the Ruckus Wireless LAN (WLAN).

String

ruckus.wireless.wlan.description

A description providing additional information about the WLAN.

String

ruckus.wireless.wlan.authentication.type

The type of authentication used for client devices connecting to the WLAN.

String

ruckus.wireless.wlan.background.scanning

Indicates whether background scanning is enabled for the WLAN.

String

ruckus.wireless.wlan.group

The group to which the WLAN belongs.

String

ruckus.wireless.wlan

The name of the Ruckus Wireless LAN (WLAN).

String

ruckus.wireless.wlan.cipher

The cipher (encryption) algorithm used for securing WLAN communication.

String

ruckus.wireless.wlan.status

The current status of the WLAN, such as 'enabled' or 'disabled'.

String

ruckus.wireless.wlan.encryption

The type of encryption used for securing WLAN communication.

String

ruckus.wireless.wlan.clients

The number of client devices currently connected to the WLAN.

Count

ruckus.wireless.wlan.received.packets.rate

The rate at which packets are being received by the WLAN.

Count

ruckus.wireless.wlan.sent.packets.rate

The rate at which packets are being sent from the WLAN.

Count

ruckus.wireless.wlan.packets.rate

The overall rate of packet activity (both sent and received) on the WLAN.

Count

ruckus.wireless.wlan.traffic.received.bytes.rate

The rate at which data bytes are being received by the WLAN.

Count

ruckus.wireless.wlan.traffic.sent.bytes.rate

The rate at which data bytes are being sent from the WLAN.

Count

ruckus.wireless.wlan.traffic.bytes.rate

The overall rate of data bytes activity (both sent and received) on the WLAN.

Count

ruckus.wireless.wlan.access.vlan

The VLAN ID associated with client devices connecting to the WLAN.

Count

ruckus.wireless.wlan.id

The unique identifier for the Ruckus Wireless LAN (WLAN).

Count

ruckus.wireless.rogue.access.point

Represents a rogue access point detected in the wireless network.

String

ruckus.wireless.rogue.access.point.channel

The channel on which the rogue access point is operating.

Count

ruckus.wireless.rogue.type

Indicates the type or category of the detected rogue access point.

String

ruckus.wireless.rogue.access.point.last.detected

The date and time when the rogue access point was last detected.

String

ruckus.wireless.rogue.access.point.mac.address

The MAC address (unique identifier) of the rogue access point.

String

ruckus.wireless.rogue.access.point.encryption

The encryption method used by the rogue access point.

String

ruckus.wireless.rogue.access.point.interface.type

The type of interface used by the rogue access point (e.g., 802.11a/b/g/n/ac).

String

ruckus.wireless.rogue.access.point.status

The current status of the rogue access point, such as 'active' or 'inactive'.

String

ruckus.wireless.rogue.access.point.name

Name of the rogue access point

String

ruckus.wireless.client

Represents a wireless client connected to the Ruckus wireless network.

String

ruckus.wireless.client.os.type

The operating system type of the wireless client (if available, randomly generated otherwise).

String

ruckus.wireless.client.wlan.name

The name of the WLAN (Wireless Local Area Network) to which the client is connected.

String

ruckus.wireless.client.ap.mac.address

The MAC address (unique identifier) of the wireless access point the client is connected to.

String

ruckus.wireless.client.ap.ip.address

The IP address of the wireless access point the client is connected to.

String

ruckus.wireless.client.ipv6.address

The IPv6 address of the wireless client (if available).

String

ruckus.wireless.client.host.name

The host name of the wireless client (if available).

String

ruckus.wireless.client.auth.method

The authentication method used by the wireless client to connect to the network.

String

ruckus.wireless.client.auth.status

The authentication status of the wireless client (e.g., authenticated or not).

String

ruckus.wireless.client.status

The current status of the wireless client (e.g., online or offline).

String

ruckus.wireless.client.username

The username associated with the wireless client (if available).

String

ruckus.wireless.client.traffic.received.bytes.rate

The rate of incoming traffic in bytes per second for the wireless client.

Count

ruckus.wireless.client.traffic.sent.bytes.rate

The rate of outgoing traffic in bytes per second for the wireless client.

Count

ruckus.wireless.client.traffic.bytes.rate

The total rate of traffic (incoming + outgoing) in bytes per second for the wireless client.

Count

ruckus.wireless.client.channel

The channel frequency on which the wireless client is communicating.

Count

ruckus.wireless.client.vlan

The VLAN (Virtual Local Area Network) ID associated with the wireless client.

Count

ruckus.wireless.client.ip.address

The IPv4 address of the wireless client.

String

ruckus.wireless.client.inactive.time

The inactive time of the wireless client (if available, randomly generated otherwise).

String

ruckus.wireless.client.inactive.time.sec

The inactive time of the wireless client in seconds (if available, randomly generated otherwise).

Count

ruckus.wireless.client.wlan

The WLAN (Wireless Local Area Network) associated with the client (if available, randomly generated otherwise).

String

ruckus.wireless.client.uptime

The uptime of the wireless client (if available, randomly generated otherwise).

String

ruckus.wireless.client.health

The health status of the wireless client (if available, randomly generated otherwise).

String

ruckus.wireless.client.ap

The access point to which the wireless client is connected (if available, randomly generated otherwise).

String

ruckus.wireless.client.uptime.sec

The uptime of the wireless client in seconds (if available, randomly generated otherwise).

Count

ruckus.wireless.client.sent.packets.rate

The rate of sent packets by the wireless client (if available, randomly generated otherwise).

Count

ruckus.wireless.client.channelization

The channelization information of the wireless client (if available, randomly generated otherwise).

Count

ruckus.wireless.client.retries

The number of retries made by the wireless client (if available, randomly generated otherwise).

Count

ruckus.wireless.client.wlan.id

The WLAN ID associated with the wireless client (if available, randomly generated otherwise).

Count

ruckus.wireless.client.received.packets.rate

The rate of received packets by the wireless client (if available, randomly generated otherwise).

Count

ruckus.wireless.client.packets.rate

The rate of packets (sent + received) by the wireless client (if available, randomly generated otherwise).

Count

ruckus.wireless.client.snr

The signal-to-noise ratio (SNR) of the wireless client (if available, randomly generated otherwise).

Count

ruckus.wireless.client.signal.strength.dbm

The signal strength in dBm of the wireless client (if available, randomly generated otherwise).

Count

Page Title: sap-hana

On this page

SAP HANA

Overview

â€‹

SAP HANA, the powerful in-memory data platform developed by SAP, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their SAP HANA databases and applications. Monitor critical database metrics such as query response times, data consumption rates, and memory usage to ensure efficient data processing and analysis.

Supported Versions

â€‹

Versions

1.0

2.0

2.00.040.00.1553674765 (fa/hana2sp04)

Prerequisites for SAP HANA Integration with Motadata AIOps:

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Ensure that the SAP HANA port (default: 30015) is open for the Motadata AIOps server.

Ensure you have the necessary credentials, including the username and password, for Motadata AIOps to connect to the SAP HANA database.

Ensure that JDBC is supported on the server where SAP HANA Database is configured.

For agentless monitoring, ensure that the user has the required access for remote access to the SAP HANA server. For agent-based monitoring, this is not required.

Ensure that the SAP HANA service is active and running on the server.

Ensure you have the name of the SAP HANA database that you want to monitor.

Confirm that the SAP HANA process and service are listed in the process and service monitor settings of Motadata AIOps. While these may be listed by default, verify that the names of the service and process match the specific SAP HANA version that you intend to monitor.

By following these prerequisites, you can integrate SAP HANA with Motadata AIOps and ensure smooth functioning of the monitoring process.

List of Supported KPIs

â€‹

Name

Description

Type

sap.hana.database

SAP HANA Database

String

sap.hana.database.description

Description of the SAP HANA Database

String

sap.hana.database.status

Status of the SAP HANA Database

String

sap.hana.schema

SAP HANA Schema

String

sap.hana.schema.size.bytes

Size of the SAP HANA Schema in bytes

Count

sap.hana.schema.tables

Number of tables in the SAP HANA Schema

Count

sap.hana.cache.used.bytes

Used cache size in bytes

Count

sap.hana.cache.hits

Number of cache hits

Count

sap.hana.cache.host

Host of the SAP HANA cache

String

sap.hana.cache.misses

Number of cache misses

Count

sap.hana.cache.hit.ratio.percent

Cache hit ratio percentage

Count

sap.hana.cache.size.bytes

Size of the SAP HANA cache in bytes

Count

sap.hana.cache

SAP HANA Cache

String

system.tags

System tags

String

started.time.sec

Uptime in seconds

Count

started.time

Uptime

String

sap.hana.license.size.gb

Size of the SAP HANA license in gigabytes

Count

sap.hana.license.used.gb

The amount of SAP HANA license capacity currently in use, in gigabytes.

Count

sap.hana.license.usable.gb

The available usable SAP HANA license capacity, in gigabytes.

Count

sap.hana.license.used.percent

The percentage of SAP HANA license capacity being utilized.

Count

sap.hana.instance.id

The unique identifier of the SAP HANA instance.

String

sap.hana.instance.number

The number associated with the SAP HANA instance.

Count

sap.hana.system.type

The type of the SAP HANA system.

String

sap.hana.version

The version of SAP HANA being used.

String

sap.hana.platform

The platform on which SAP HANA is deployed.

String

sap.hana.memory.used.percent

The percentage of SAP HANA memory being utilized.

Count

sap.hana.memory.provisioned.bytes

The total provisioned memory for SAP HANA, measured in bytes.

Count

sap.hana.swap.memory.bytes

The amount of swap memory allocated for SAP HANA, measured in bytes.

Count

sap.hana.memory.used.bytes

The amount of memory currently in use by SAP HANA, measured in bytes.

Count

sap.hana.processor.utilization.percent

The percentage of CPU utilization by SAP HANA.

Count

sap.hana.available.processors

The number of available processors or CPU cores in SAP HANA.

Count

sap.hana.used.processors

The number of processors or CPU cores being utilized by SAP HANA.

Count

sap.hana.expensive.query.host

The host where the expensive query was executed.

String

sap.hana.expensive.query.id

The unique identifier of the expensive query.

String

sap.hana.expensive.query.connection.id

The connection ID associated with the expensive query.

String

sap.hana.expensive.query.duration.ms

The duration of the expensive query execution in milliseconds.

Count

sap.hana.expensive.query.records

The number of records processed by the expensive query.

Count

sap.hana.expensive.query.memory.bytes

The memory consumed by the expensive query in bytes.

Count

sap.hana.expensive.query.cpu.time.ms

The CPU time taken by the expensive query in milliseconds.

String

sap.hana.expensive.query.db.user

The database user associated with the expensive query.

String

sap.hana.expensive.query.operation

The operation performed by the expensive query.

String

sap.hana.expensive.query.text

The SQL text of the expensive query.

String

sap.hana.expensive.query.error.code

The error code associated with the expensive query.

Count

sap.hana.expensive.query.error

The error message, if any, encountered during the query execution.

String

sap.hana.job.host

The host where the job is running.

String

sap.hana.job.connection.id

The connection ID associated with the job.

String

sap.hana.job.start.time

The start time of the job.

String

sap.hana.job.name

The name of the job.

String

sap.hana.job.schema.name

The schema name associated with the job.

String

sap.hana.job.current.progress

The current progress/status of the job.

String

sap.hana.blocked.transaction.id

The ID of the blocked transaction.

Count

sap.hana.blocking.transaction

The number of blocking transactions.

Count

sap.hana.blocked.time

The duration for which the transaction is blocked.

String

sap.hana.blocked.schema

The schema associated with the blocked transaction.

String

sap.hana.blocked.object.name

The name of the blocked object.

String

sap.hana.blocking.lock.type

The type of lock causing the blocking.

String

sap.hana.blocking.lock.mode

The lock mode of the blocking lock.

String

sap.hana.blocked.query

The query being executed by the blocked transaction.

String

sap.hana.active.transactions

The number of active transactions in SAP HANA.

Count

sap.hana.inactive.transactions

The number of inactive transactions in SAP HANA.

Count

sap.hana.idle.transactions

The number of idle transactions in SAP HANA.

Count

sap.hana.blocked.transactions

The number of blocked transactions in SAP HANA.

Count

correlation.metrics

The count of correlation metrics.

Count

sap.hana.session.host

The host of the SAP HANA session.

String

sap.hana.session.port

The port of the SAP HANA session.

Count

sap.hana.session.connection.id

The ID of the SAP HANA session connection.

Count

sap.hana.session.connection.status

The status of the SAP HANA session connection.

String

sap.hana.session.connection.type

The type of the SAP HANA session connection.

String

sap.hana.session.transaction.id

The ID of the transaction associated with the session.

Count

sap.hana.session.idle.time.ms

The idle time in milliseconds for the session.

Count

sap.hana.session.auto.commit

Indicates whether auto-commit is enabled for the session.

String

sap.hana.session.user.name

The name of the user associated with the session.

String

sap.hana.session.fetched.records

The count of records fetched by the session.

Count

sap.hana.session.current.schema.name

The name of the current schema for the session.

String

sap.hana.session.sent.bytes

The number of bytes sent by the session.

Count

sap.hana.session.sent.messages

The number of messages sent by the session.

Count

sap.hana.session.remote.client

The client associated with the remote session.

String

sap.hana.session.client.pid

The process ID (PID) of the client application.

Count

sap.hana.session.query

The count of queries executed by the session.

Count

sap.hana.active.connections

The number of active connections to SAP HANA.

Count

sap.hana.idle.connections

The number of idle connections to SAP HANA.

Count

sap.hana.queued.connections

The number of queued connections to SAP HANA.

Count

sap.hana.session

The number of active sessions in SAP HANA.

Count

correlation.metrics

The count of correlation metrics.

Count

sap.hana.service

The SAP HANA service.

String

sap.hana.service.host

The host of the SAP HANA service.

String

sap.hana.service.status

The status of the SAP HANA service.

String

sap.hana.service.port

The port of the SAP HANA service.

String

sap.hana.service.logical.memory.size.bytes

The size of logical memory used by the service.

Count

sap.hana.service.memory.used.bytes

The amount of memory used by the service.

Count

sap.hana.service.heap.memory.bytes

The size of the heap memory used by the service.

Count

sap.hana.service.heap.memory.used.bytes

The amount of heap memory used by the service.

Count

sap.hana.service.shared.memory.bytes

The size of shared memory used by the service.

Count

sap.hana.service.shared.memory.used.bytes

The amount of shared memory used by the service.

Count

sap.hana.service.compactor.allocated.memory.bytes

The amount of memory allocated by the compactor.

Count

sap.hana.service.compactor.memory.freeable.bytes

The amount of freeable memory managed by the compactor.

Count

sap.hana.service.coordinator.type

The type of the service coordinator.

String

sap.hana.service.cpu.percent

The CPU usage percentage of the service.

Count

sap.hana.service.opened.files

The number of opened files by the service.

Count

sap.hana.service.active.threads

The number of active threads in the service.

Count

sap.hana.service.memory.bytes

The total amount of memory used by the service.

Count

sap.hana.service.request.latency.time.ms

The latency time of requests processed by the service.

Count

sap.hana.service.active.requests

The number of active requests handled by the service.

Count

sap.hana.service.requests.per.sec

The rate of requests processed per second by the service.

Count

sap.hana.service.pending.requests

The number of pending requests in the service.

Count

sap.hana.service.memory.provisioned.bytes

The provisioned memory size for the service.

Count

sap.hana.host

Host name of the SAP HANA service

String

sap.hana.host.memory.provisioned.bytes

Total provisioned memory on the SAP HANA host

Count

sap.hana.host.memory.used.bytes

Memory used on the SAP HANA host

Count

sap.hana.host.memory.free.bytes

Free memory available on the SAP HANA host

Count

sap.hana.host.allocation.limit.bytes

Memory allocation limit on the SAP HANA host

Count

sap.hana.host.swap.memory.bytes

Total swap memory on the SAP HANA host

Count

sap.hana.host.swap.memory.used.bytes

Swap memory used on the SAP HANA host

Count

sap.hana.host.swap.memory.free.bytes

Free swap memory available on the SAP HANA host

Count

sap.hana.host.memory.used.percent

Percentage of memory used on the SAP HANA host

Count

sap.hana.host.swap.memory.used.percent

Percentage of swap memory used on the SAP HANA host

Count

sap.hana.host.service.memory.bytes

Memory used by services on the SAP HANA host

Count

sap.hana.host.code.stack.bytes

Memory used by code stack on the SAP HANA host

Count

sap.hana.host.table.column.bytes

Memory used by table columns on the SAP HANA host

Count

sap.hana.host.table.row.bytes

Memory used by table rows on the SAP HANA host

Count

sap.hana.host.instance.memory.used.bytes

Memory used by HANA instance(s) on the SAP HANA host

Count

sap.hana.host.peak.memory.used.bytes (random)

Peak memory used by the SAP HANA host

Count

sap.hana.host.executions.per.sec

Executions per second on the SAP HANA host

Count

sap.hana.host.compilations.per.sec

Compilations per second on the SAP HANA host

Count

sap.hana.host.memory.bytes.per.sec

Memory consumption rate on the SAP HANA host

Count

sap.hana.host.commits.per.sec

Commits per second on the SAP HANA host

Count

sap.hana.host.transactions.per.sec

Transactions per second on the SAP HANA host

Count

sap.hana.host.rollbacks.per.sec

Rollbacks per second on the SAP HANA host

Count

sap.hana.disk

Metric representing SAP HANA disk

Count

sap.hana.disk.path

Path of the SAP HANA disk

String

sap.hana.disk.type

Type of the SAP HANA disk

String

sap.hana.disk.host

Host of the SAP HANA disk

String

sap.hana.disk.bytes

Total bytes of the SAP HANA disk

Count

sap.hana.disk.used.bytes

Used bytes of the SAP HANA disk

Count

sap.hana.disk.data.volume.bytes

Bytes used by data volume on the SAP HANA disk

Count

sap.hana.disk.used.percent

Percentage of used space on the SAP HANA disk

Count

sap.hana.disk.free.percent

Percentage of free space on the SAP HANA disk

Count

sap.hana.volume.host

Host of the SAP HANA volume

String

sap.hana.volume.io.read.bytes

Total bytes read from the SAP HANA volume

Count

sap.hana.volume.io.write.bytes

Total bytes written to the SAP HANA volume

Count

sap.hana.volume.io.failed.reads

Number of failed read operations on the SAP HANA volume

Count

sap.hana.volume.io.reads

Total number of read operations on the SAP HANA volume

Count

sap.hana.volume.io.read.time.ms

Total time spent on read operations on the SAP HANA volume (ms)

Count

sap.hana.volume.io.time.ms

Total time spent on I/O operations on the SAP HANA volume (ms)

Count

sap.hana.volume.io.writes

Total number of write operations on the SAP HANA volume

Count

sap.hana.volume.io.bytes.per.sec

Average I/O bytes per second on the SAP HANA volume

Count

sap.hana.volume.io.blocked.write.requests

Number of blocked write requests on the SAP HANA volume

Count

sap.hana.volume.id

ID of the SAP HANA volume

Count

sap.hana.volume.type

Type of the SAP HANA volume

String

sap.hana.volume.io.failed.writes

Number of failed write operations on the SAP HANA volume

Count

sap.hana.volume.io.appends

Total number of append operations on the SAP HANA volume

Count

sap.hana.volume

Metric representing SAP HANA volume

String

sap.hana.volume.io.write.time.ms

Total time spent on write operations on the SAP HANA volume (ms)

Count

sap.hana.log.replay.queue

Metric representing SAP HANA log replay queue

Count

sap.hana.log.replay.volume

Metric representing SAP HANA log replay volume

Count

sap.hana.log.replay.queue.host

Host of the SAP HANA log replay queue

String

sap.hana.log.replay.queue.record.type

Record type of the SAP HANA log replay queue

String

sap.hana.log.replay.queue.records

Number of records in the SAP HANA log replay queue

Count

sap.hana.log.replay.queue.latency.time.ms

Latency time in milliseconds of the SAP HANA log replay queue

Count

sap.hana.log.replay.queue.wait.time.ms

Wait time in milliseconds of the SAP HANA log replay queue

Count

sap.hana.log.replay.queue.record.size.bytes

Size of each record in bytes in the SAP HANA log replay queue

Count

sap.hana.replication.site.name

Name of the SAP HANA replication site

String

sap.hana.replication.secondary.host

Host of the secondary SAP HANA replication

String

sap.hana.replication.secondary.site.name

Name of the secondary SAP HANA replication site

String

sap.hana.replication.status

Status of the SAP HANA replication

String

sap.hana.replication

Metric representing SAP HANA replication

String

sap.hana.backup.catalog

Metric representing SAP HANA backup catalog

Count

sap.hana.backup.catalog.source.type

Type of the source for SAP HANA backup catalog

String

sap.hana.backup.catalog.service.type.name

Name of the service type for SAP HANA backup catalog

String

sap.hana.backup.catalog.start.time

Start time of SAP HANA backup catalog

String

sap.hana.backup.catalog.end.time

End time of SAP HANA backup catalog

String

sap.hana.backup.catalog.entry.type

Type of entry in SAP HANA backup catalog

String

sap.hana.backup.catalog.state

State of SAP HANA backup catalog

String

sap.hana.backup.catalog.bytes

Size of SAP HANA backup catalog in bytes

Count

sap.hana.latest.backup.id

ID of the latest SAP HANA backup

String

sap.hana.latest.backup.start.time

Start time of the latest SAP HANA backup

String

sap.hana.latest.backup.end.time

End time of the latest SAP HANA backup

String

sap.hana.latest.backup.entry.type

Type of entry in the latest SAP HANA backup

String

sap.hana.latest.backup.destination.type

Destination type of the latest SAP HANA backup

String

sap.hana.latest.backup.bytes

Size of the latest SAP HANA backup in bytes

Count

sap.hana.backup.max.recovery.file.age.sec

Maximum age of recovery files in seconds for SAP HANA backup

Count

sap.hana.backup.log.replay.step.bytes

Size of each log replay step in bytes for SAP HANA backup

Count

sap.hana.backup.max.recovery.backint.channels

Maximum number of backint channels for recovery in SAP HANA backup

Count

sap.hana.backup.backint.executable.link

Link to the backint executable for SAP HANA backup

String

sap.hana.backup.backint.executable

Backint executable for SAP HANA backup

String

sap.hana.backup.backint.data.path

Data path for SAP HANA backup using backint

String

sap.hana.backup.data.file.path

File path for SAP HANA backup data files

String

sap.hana.backup.log.file.path

File path for SAP HANA backup log files

String

Page Title: sap-max-db

On this page

SAP MAX DB

Overview

â€‹

SAP MaxDB, the powerful and high-performance database management system, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their SAP MaxDB databases. Monitor critical database metrics such as query execution times, transaction rates, and database size to ensure efficient data processing and retrieval.

Supported Versions

â€‹

Versions

7.9.09

Prerequisites for SAP MaxDB Integration with Motadata AIOps:

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Ensure that the SAP MaxDB port (default: 7210) is open for the Motadata AIOps server.

Ensure you have the necessary credentials, including the username and password, for Motadata AIOps to connect to the SAP MaxDB database.

Ensure that JDBC is supported on the server where SAP MaxDB Database is configured.

For agentless monitoring, ensure that the user has the required access for remote access to the SAP MaxDB database server. For agent-based monitoring, this is not required.

Ensure that the SAP MaxDB service is active and running on the server.

Ensure you have the name of the SAP MaxDB database that you want to monitor.

Confirm that the SAP MaxDB process and service are listed in the process and service monitor settings of Motadata AIOps. While these may be listed by default, verify that the names of the

service and process match the specific SAP MaxDB version that you intend to monitor.

By following these prerequisites, you can integrate SAP MaxDB with Motadata AIOps and ensure smooth functioning of the monitoring process.

List of Supported KPIs

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Name

Description

Type

sap.maxdb.row.locks

Number of row locks in SAP MaxDB

Count

sap.maxdb.table.locks

Number of table locks in SAP MaxDB

Count

sap.maxdb.pin.area.data.cache.used.bytes

Amount of used bytes in the SAP MaxDB pin area data cache

Count

sap.maxdb.temporary.converter.used.bytes

Amount of used bytes in the SAP MaxDB temporary converter

Count

sap.maxdb.shadow.data.used.bytes

Amount of used bytes in the SAP MaxDB shadow data

Count

sap.maxdb.permanent.converter.used.bytes

Amount of used bytes in the SAP MaxDB permanent converter

Count

system.tags

Tags associated with the SAP MaxDB system

String

sap.maxdb.kernel.version

Version of the SAP MaxDB kernel

String

sap.maxdb.catalog.cache.bytes

Amount of used bytes in the SAP MaxDB catalog cache

Count

sap.maxdb.data.used.bytes

Amount of used bytes in the SAP MaxDB data

Count

sap.maxdb.data.provisioned.bytes

Amount of provisioned bytes in the SAP MaxDB data

Count

sap.maxdb.incremental.backup.bytes

Amount of incremental backup bytes in the SAP MaxDB

Count

sap.maxdb.permanent.data.used.bytes

Amount of used bytes in the SAP MaxDB permanent data

Count

sap.maxdb.temporary.data.used.bytes

Amount of used bytes in the SAP MaxDB temporary data

Count

sap.maxdb.run.directory.path

Path to the run directory in SAP MaxDB

String

sap.maxdb.instance.type

Type of SAP MaxDB instance

String

sap.maxdb.sequence.cache.bytes

Amount of used bytes in the SAP MaxDB sequence cache

Count

sap.maxdb.oms.max.heap.bytes

Maximum heap size for the SAP MaxDB OMS (Offline Management System)

Count

sap.maxdb.shared.sql.cache.bytes

Amount of shared SQL cache bytes in SAP MaxDB

Count

sap.maxdb.data.used.percent

Percentage of used data in SAP MaxDB

Count

sap.maxdb.data.free.percent

Percentage of free data in SAP MaxDB

Count

sap.maxdb.data.free.bytes

Amount of free data bytes in SAP MaxDB

Count

sap.maxdb.log.used.bytes

Amount of used log bytes in SAP MaxDB

Count

sap.maxdb.log.provisioned.bytes

Amount of provisioned log bytes in SAP MaxDB

Count

sap.maxdb.log.used.percent

Percentage of used log space in SAP MaxDB

Count

sap.maxdb.log.area.full

Indicates whether the log area in SAP MaxDB is full

String

sap.maxdb.logging.status

Current logging status in SAP MaxDB

String

sap.maxdb.log.auto.overwrite

Indicates whether automatic log overwrite is enabled in SAP MaxDB

String

sap.maxdb.log.flush.mode

Log flush mode setting in SAP MaxDB

String

sap.maxdb.log.device.state

State of the log device in SAP MaxDB

String

sap.maxdb.log.writer.status

Status of the log writer in SAP MaxDB

String

sap.maxdb.io.buffer.file.directory.bytes

Amount of used bytes in the SAP MaxDB I/O buffer file directory

Count

sap.maxdb.io.buffer.block.allocator.bytes

Amount of used bytes in the SAP MaxDB I/O buffer block allocator

Count

sap.maxdb.io.buffer.converter.bytes

Amount of used bytes in the SAP MaxDB I/O buffer converter

Count

sap.maxdb.io.buffer.log.queue.cache.bytes

Amount of used bytes in the SAP MaxDB I/O buffer log queue cache

Count

sap.maxdb.io.buffer.index.bytes

Amount of used bytes in the SAP MaxDB I/O buffer index

Count

sap.maxdb.io.buffer.cache.bytes

Amount of used bytes in the SAP MaxDB I/O buffer cache

Count

sap.maxdb.io.buffer.data.cache.bytes

Amount of used bytes in the SAP MaxDB I/O buffer for data cache

Count

sap.maxdb.io.buffer.management.bytes

Amount of used bytes in the SAP MaxDB I/O buffer for management

Count

sap.maxdb.io.buffer.free.bytes

Amount of free bytes in the SAP MaxDB I/O buffer

Count

sap.maxdb.changed.data.cache.bytes

Amount of used bytes in the SAP MaxDB changed data cache

Count

sap.maxdb.oms.data.cache.bytes

Amount of used bytes in the SAP MaxDB OMS data cache

Count

sap.maxdb.sql.data.cache.bytes

Amount of used bytes in the SAP MaxDB SQL data cache

Count

sap.maxdb.history.data.cache.bytes

Amount of used bytes in the SAP MaxDB history data cache

Count

sap.maxdb.latest.backup.thread.id

Latest backup thread ID in SAP MaxDB

Count

sap.maxdb.latest.backup.thread.name

Name of the latest backup thread in SAP MaxDB

Count

sap.maxdb.automatic.log.backup

Indicator of automatic log backup in SAP MaxDB

Count

sap.maxdb.latest.backup.io.ops

Number of I/O operations for the latest backup in SAP MaxDB

Count

sap.maxdb.latest.backup.io.pages

Number of I/O pages for the latest backup in SAP MaxDB

Count

sap.maxdb.latest.backup.pending.io.calls

Number of pending I/O calls for the latest backup in SAP MaxDB

Count

sap.maxdb.latest.backup.path

Path of the latest backup in SAP MaxDB

Count

sap.maxdb.latest.backup.io.time.ms

I/O time in milliseconds for the latest backup in SAP MaxDB

Count

sap.maxdb.sql.lock.request.timeouts

Number of SQL lock request timeouts in SAP MaxDB

Count

sap.maxdb.oms.lock.request.timeouts

Number of OMS lock request timeouts in SAP MaxDB

Count

sap.maxdb.holding.locks.transactions

Number of transactions holding locks in SAP MaxDB

Count

sap.maxdb.requesting.locks.transactions

Number of transactions requesting locks in SAP MaxDB

Count

sap.maxdb.used.locks

Number of used locks in SAP MaxDB

Count

sap.maxdb.used.escalations

Number of lock escalations used in SAP MaxDB

Count

sap.maxdb.dead.locks

Number of deadlocks in SAP MaxDB

Count

sap.maxdb.oms.lock.collisions

Number of OMS lock collisions in SAP MaxDB

Count

sap.maxdb.maximum.locks

Maximum number of locks in SAP MaxDB

Count

sap.maxdb.sql.lock.collisions

Number of SQL lock collisions in SAP MaxDB

Count

sap.maxdb.entry.lock.used.percent

Percentage of used entry locks in SAP MaxDB

Count

sap.maxdb.schema

SAP MaxDB schema

String

sap.maxdb.schema.used.bytes

Used bytes in the SAP MaxDB schema

Count

sap.maxdb.schema.tables

Number of tables in the SAP MaxDB schema

Count

sap.maxdb.resource.monitor.id

Identifier of the SAP MaxDB resource monitor

Count

sap.maxdb.resource.monitor.sql.query

SQL query associated with the SAP MaxDB resource monitor

String

sap.maxdb.resource.monitor.executions

Number of executions for the SAP MaxDB resource monitor

Count

sap.maxdb.resource.monitor.qualified.rows

Number of qualified rows for the SAP MaxDB resource monitor

Count

sap.maxdb.resource.monitor.virtual.reads

Number of virtual reads for the SAP MaxDB resource monitor

Count

sap.maxdb.resource.monitor.fetched.rows

Number of fetched rows for the SAP MaxDB resource monitor

Count

sap.maxdb.resource.monitor.vwaits

Number of vwaits (resource waits) for the SAP MaxDB resource monitor

Count

sap.maxdb.resource.monitor.physical.io.ops

Number of physical I/O operations for the SAP MaxDB resource monitor

Count

sap.maxdb.resource.monitor.session.id

Identifier of the session associated with the resource monitor

Count

sap.maxdb.resource.monitor.runtime.ms

Runtime duration of the SAP MaxDB resource monitor in milliseconds

Count

sap.maxdb.oms.heap

SAP MaxDB OMS heap

String

sap.maxdb.oms.heap.used.bytes

Number of bytes used in the SAP MaxDB OMS heap

Count

sap.maxdb.oms.heap.max.used.bytes

Maximum number of bytes used in the SAP MaxDB OMS heap

Count

sap.maxdb.oms.heap.reserved.bytes

Number of bytes reserved in the SAP MaxDB OMS heap

Count

sap.maxdb.log.volume

SAP MaxDB Log Volume

Count

sap.maxdb.log.volume.bytes

Total number of bytes in the SAP MaxDB Log Volume

Count

sap.maxdb.log.volume.used.bytes

Number of bytes used in the SAP MaxDB Log Volume

Count

sap.maxdb.log.volume.path

Path of the SAP MaxDB Log Volume

String

sap.maxdb.log.volume.used.percent

Percentage of the SAP MaxDB Log Volume used

Count

sap.maxdb.lock.id

ID of the SAP MaxDB lock

String

sap.maxdb.lock.duration.sec

Duration of the SAP MaxDB lock in seconds

Count

sap.maxdb.lock.table.id

ID of the table associated with the SAP MaxDB lock

String

sap.maxdb.lock.schema

Schema name associated with the SAP MaxDB lock

String

sap.maxdb.lock.mode

Mode of the SAP MaxDB lock

String

sap.maxdb.lock.remote.host.process

Process ID of the remote host associated with the SAP MaxDB lock

Count

sap.maxdb.lock.table.name

Name of the table associated with the SAP MaxDB lock

String

sap.maxdb.lock.duration

Duration of the SAP MaxDB lock

String

sap.maxdb.lock.user

User associated with the SAP MaxDB lock

String

sap.maxdb.lock.session

Session ID associated with the SAP MaxDB lock

Count

sap.maxdb.lock.remote.host

Remote host associated with the SAP MaxDB lock

String

sap.maxdb.lock.owner

Owner of the SAP MaxDB lock

String

sap.maxdb.lock.waiter.id

ID of the waiter for the SAP MaxDB lock

String

sap.maxdb.lock.owner.schema

Schema name of the owner of the SAP MaxDB lock

String

sap.maxdb.lock.waiter.duration

Duration of the waiter for the SAP MaxDB lock

String

sap.maxdb.lock.owner.remote.host

Remote host of the owner of the SAP MaxDB lock

String

sap.maxdb.lock.waiter.request.mode

Request mode of the SAP MaxDB lock waiter

String

sap.maxdb.lock.waiter.schema

Schema name of the SAP MaxDB lock waiter

String

sap.maxdb.lock.waiter.table.id

ID of the table associated with the SAP MaxDB lock waiter

String

sap.maxdb.lock.owner

Owner of the SAP MaxDB lock

String

sap.maxdb.lock.owner.duration

Duration of the SAP MaxDB lock owner

String

sap.maxdb.lock.waiter.username

Username of the SAP MaxDB lock waiter

String

sap.maxdb.lock.owner.user

User associated with the SAP MaxDB lock owner

String

sap.maxdb.lock.waiter.table.name

Name of the table associated with the SAP MaxDB lock waiter

String

sap.maxdb.lock.waiter.remote.host

Remote host associated with the SAP MaxDB lock waiter

String

sap.maxdb.lock.waiter.owner

Owner associated with the SAP MaxDB lock waiter

String

sap.maxdb.lock.owner.lock.mode

Lock mode of the SAP MaxDB lock owner

String

sap.maxdb.lock.waiter.request.timeout

Request timeout of the SAP MaxDB lock waiter

Count

sap.maxdb.lock.waiter.duration.sec

Duration of the SAP MaxDB lock waiter in seconds

Count

sap.maxdb.lock.owner.duration.sec

Duration of the SAP MaxDB lock owner in seconds

String

sap.maxdb.lock.owner.session

Session ID associated with the SAP MaxDB lock owner

String

sap.maxdb.lock.waiter.remote.host.process

Process ID of the remote host associated with the SAP MaxDB lock waiter

Count

sap.maxdb.lock.owner.remote.host.process

Process ID of the remote host associated with the SAP MaxDB lock owner

String

sap.maxdb.lock.waiter.session

Session ID associated with the SAP MaxDB lock waiter

Count

sap.maxdb.lock.waiter.state

State of the SAP MaxDB lock waiter

String

sap.maxdb.data.volume

The total volume of SAP MaxDB data

Count

sap.maxdb.data.volume.bytes

The total volume of SAP MaxDB data in bytes

Count

sap.maxdb.data.volume.used.bytes

The used volume of SAP MaxDB data in bytes

Count

sap.maxdb.data.volume.used.percent

The percentage of used volume in relation to the total volume

Count

sap.maxdb.data.volume.path

The path of the SAP MaxDB data volume

String

sap.maxdb.command.monitor.id

The ID of the SAP MaxDB command monitor

Count

sap.maxdb.command.monitor.sql.query

The SQL query executed by the SAP MaxDB command monitor

String

sap.maxdb.command.monitor.owner

The owner of the SAP MaxDB command monitor

String

sap.maxdb.command.monitor.qualified.rows

The number of rows affected by the executed query

Count

sap.maxdb.command.monitor.virtual.reads

The number of virtual reads performed by the executed query

Count

sap.maxdb.command.monitor.vwaits

The number of waits experienced by the SAP MaxDB command monitor

Count

sap.maxdb.command.monitor.vsuspends

The number of suspends encountered by the SAP MaxDB command monitor

Count

sap.maxdb.command.monitor.physical.io.ops

The number of physical I/O operations performed by the executed query

Count

sap.maxdb.command.monitor.fetched.rows

The number of rows fetched by the executed query

Count

sap.maxdb.command.monitor.runtime.ms

The runtime of the executed query in milliseconds

Count

sap.maxdb.command.monitor.fetch.calls

The number of fetch calls made by the executed query

Count

sap.maxdb.command.monitor.time.sec

The execution time of the command monitor in seconds

Count

sap.maxdb.command.monitor.time

The execution time of the command monitor

String

sap.maxdb.cache

The SAP MaxDB cache

String

sap.maxdb.cache.unsuccessful.accesses

The number of unsuccessful accesses to the SAP MaxDB cache

Count

sap.maxdb.cache.successful.accesses

The number of successful accesses to the SAP MaxDB cache

Count

sap.maxdb.cache.accesses

The total number of accesses to the SAP MaxDB cache

Count

sap.maxdb.cache.hit.ratio.percent

The hit ratio of the SAP MaxDB cache in percentage

Count

Page Title: schneider-electric-ups

On this page

Schneider Electric

Overview

â€‹

Schneider Electric UPS, the reliable and innovative uninterruptible power supply solutions by Schneider Electric, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Schneider Electric UPS devices. Monitor critical UPS metrics such as battery status, load levels, and input/output voltage to ensure continuous and reliable power protection.

Prerequisites

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Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

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Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

ups.load

The load on the UPS.

Count

ups.charge

The charge level of the UPS battery.

Percentage

ups.input.line.voltage

The input line voltage supplied to the UPS.

Voltage

ups.output.line.voltage

The output line voltage delivered by the UPS.

Voltage

ups.output.current

The output current provided by the UPS.

Current

ups.sensor.status

The status of the UPS sensor.

String

ups.sensor.communications.status

The communications status of the UPS sensor.

String

ups.battery.last.replace.date

The date of the last UPS battery replacement.

Date

ups.last.self.test.date

The date of the last UPS self-test.

Date

ups.battery.status

The status of the UPS battery.

String

ups.battery.temperature

The temperature of the UPS battery.

Temperature

ups.battery.replace

The status of UPS battery replacement.

String

ups.input.voltage

The input voltage supplied to the UPS.

Voltage

ups.external.batteries.infected

The count of infected external batteries connected to the UPS.

Count

ups.comm.status

The communication status of the UPS.

String

ups.reason.for.last.transfer

The reason for the last transfer of UPS power source.

String

ups.battery.runtime.remain

The remaining runtime of the UPS battery.

Time

ups.output.voltage

The output voltage delivered by the UPS.

Voltage

ups.input.frequency

The input frequency supplied to the UPS.

Frequency

ups.time.remaining

The remaining time of UPS battery backup.

Time

ups.battery.current

The current flowing through the UPS battery.

Current

ups.last.self.test.result

The result of the last UPS self-test.

String

ups.output.status

The status of the UPS output.

String

ups.basic.battery.time.on.battery

The basic battery time on battery power.

Time

ups.input.frequency

The input frequency supplied to the UPS.

Frequency

ups.temperature

The temperature of the UPS.

Temperature

ups.battery.power.consumed

The power consumed by the UPS battery.

Count

ups.number.transients

The count of voltage transients experienced by the UPS.

Count

ups.battery.voltage

The voltage of the UPS battery.

Voltage

ups.battery.installed

Indicates whether a battery is installed in the UPS.

String

ups.battery.sys.shutdown.duration

The duration of the UPS battery system shutdown.

Time

ups.inverter.state

The state of the UPS inverter.

String

ups.battery.time.remaining

The remaining time of UPS battery.

Time

ups.output.load

The load connected to the UPS output.

Load

ups.output.power

The power output of the UPS.

Power

ups.backup.time.remaining

The remaining backup time of the UPS battery.

Time

ups.bypass.state

The state of the UPS bypass.

String

ups.charge.remaining.percent

The remaining percentage of UPS battery charge.

Percentage

ups.elapsed.time.on.battery

The elapsed time the UPS has been on battery power.

Time

Page Title: socomec-sicon-ups

On this page

Socomec

Overview

â€‹

Socomec UPS, the reliable and advanced uninterruptible power supply solutions by Socomec, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Socomec UPS devices. Monitor critical UPS metrics such as battery status, load levels, and input/output voltage to ensure continuous and reliable power protection.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics	Description	Type
ping.min.latency.ms	Minimum latency (in milliseconds) observed during ping	Count
ping.received.packets	Number of packets received during ping	Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

ups.load

The load on the UPS.

Count

ups.charge

The charge level of the UPS battery.

Percentage

ups.input.line.voltage

The input line voltage supplied to the UPS.

Voltage

ups.output.line.voltage

The output line voltage delivered by the UPS.

Voltage

ups.output.current

The output current provided by the UPS.

Current

ups.sensor.status

The status of the UPS sensor.

String

ups.sensor.communications.status

The communications status of the UPS sensor.

String

ups.battery.last.replace.date

The date of the last UPS battery replacement.

Date

ups.last.self.test.date

The date of the last UPS self-test.

Date

ups.battery.status

The status of the UPS battery.

String

ups.battery.temperature

The temperature of the UPS battery.

Temperature

ups.battery.replace

The status of UPS battery replacement.

String

ups.input.voltage

The input voltage supplied to the UPS.

Voltage

ups.external.batteries.infected

The count of infected external batteries connected to the UPS.

Count

ups.comm.status

The communication status of the UPS.

String

ups.reason.for.last.transfer

The reason for the last transfer of UPS power source.

String

ups.battery.runtime.remain

The remaining runtime of the UPS battery.

Time

ups.output.voltage

The output voltage delivered by the UPS.

Voltage

ups.input.frequency

The input frequency supplied to the UPS.

Frequency

ups.time.remaining

The remaining time of UPS battery backup.

Time

ups.battery.current

The current flowing through the UPS battery.

Current

ups.last.self.test.result

The result of the last UPS self-test.

String

ups.output.status

The status of the UPS output.

String

ups.basic.battery.time.on.battery

The basic battery time on battery power.

Time

ups.input.frequency

The input frequency supplied to the UPS.

Frequency

ups.temperature

The temperature of the UPS.

Temperature

ups.battery.power.consumed

The power consumed by the UPS battery.

Count

ups.number.transients

The count of voltage transients experienced by the UPS.

Count

ups.battery.voltage

The voltage of the UPS battery.

Voltage

ups.battery.installed

Indicates whether a battery is installed in the UPS.

String

ups.battery.sys.shutdown.duration

The duration of the UPS battery system shutdown.

Time

ups.inverter.state

The state of the UPS inverter.

String

ups.battery.time.remaining

The remaining time of UPS battery.

Time

ups.output.load

The load connected to the UPS output.

Load

ups.output.power

The power output of the UPS.

Power

ups.backup.time.remaining

The remaining backup time of the UPS battery.

Time

ups.bypass.state

The state of the UPS bypass.

String

ups.charge.remaining.percent

The remaining percentage of UPS battery charge.

Percentage

ups.elapsed.time.on.battery

The elapsed time the UPS has been on battery power.

Time

Page Title: solaris

Solaris

Overview

â€‹

Solaris, the robust operating system developed by Oracle, finds seamless integration with Motadata AIOps. This integration facilitates comprehensive monitoring and management of Solaris servers, offering real-time insights into performance metrics, system logs, and the overall health of the infrastructure. With proactive issue detection, resource optimization, and streamlined operations, critical business processes can run efficiently and without interruption.

List of Supported KPIs

â€‹

Solaris

â€‹

Metrics	Description	Type
system.network.out.packets.rate	Number of packets being transferred out of the device per second.	Rate
system.network.in.packets.rate	Number of packets being transferred in to the device per second.	Rate
system.network.packets.rate	Number of packets being transferred in or out of the device per second.	Rate

system.network.udp.connections

The total count of UDP connections in the network.

Count

system.network.tcp.connections

The total count of TCP connections in the network.

Count

system.network.error.packets

The total number of error packets in a network.

Count

system.cpu.idle.percent

The percentage of time the CPU has spent idle.

Percentage

system.cpu.user.percent

The percentage of time the CPU spent running user space processes.

Percentage

system.cpu.percent

The percentage of a CPU being utilized at a particular instance.

Percentage

system.cpu.type

String

system.disk.used.percent

The percentage of used disk space out of the total disk space on a system.

Percentage

system.disk.capacity.bytes

The capacity of the disk.

Count

system.disk.free.bytes

The total amount of free disk space available on a system.

Count

system.disk.used.bytes

The total amount of used disk space on a system.

Count

system.disk.io.bytes.per.sec

The amount of bytes transferred doing I/O operations to and from the disk per second.

Rate

system.disk.io.write.bytes.per.sec

The bytes transferred per second writing to the disk.

Count

system.disk.io.read.ops.per.sec

The number of read operations per second from the disk.

Count

system.running.processes

The total number of running processes in the system.

Count

system.name

The name of the device.

String

system.disk.io.read.bytes.per.sec

The number of bytes transferred while reading from the disk per second.

Rate

system.disk.io.write.ops.per.sec

The writing operations to the disk per second.

Rate

system.threads

The total number of CPU threads.

Count

uptime.sec

The time for which the system has been available.

Count

uptime

String

system.os.version

The version of the operating system on your host.

String

system.logical.processors

the number of logical processors on the device CPU.

Count

system.memory.installed.bytes

Count

system.memory.free.bytes

The total amount of free RAM space on a system.

Bytes

system.disk.io.ops.per.sec

The number of read-write operations per second on the device.

Count

system.disk.io.queue.length

The queue length of IO requests issued to your device.

Count

system.memory.used.bytes

The total amount of used RAM on a system.

Bytes

system.memory.used.percent

The percentage of used RAM out of total RAM.

Percent

system.network.tcp.retransmissions

The count of lost or damaged packets that were resent over the network.

String

Solaris CPU Core

â€‹

Metrics	Description	Type
system.cpu.core	Index to identify the CPU core.	String
system.cpu.core.user.percent	The percentage of CPU core being utilised by the user.	Percent
system.cpu.core.idle.percent	The percentage of time a particular CPU core has spent in idle state.	Percent
system.cpu.core.percent	The percentage of a CPU core being utilized at a particular instance.	Percent

Solaris Disk

â€‹

| Metrics | Description |

Type

system.disk.read.ops.per.sec

The reading operations performed on the disk per second.

Rate

system.disk.write.ops.per.sec

The writing operations performed on the disk per second.

Rate

system.disk.ops.per.sec

The I/O operations per second on the disk.

Rate

system.disk.read.bytes.per.sec

The bytes transferred per second reading from the disk.

Rate

system.disk.write.bytes.per.sec

The bytes transferred per second writing to the disk.

Rate

system.disk.bytes.per.sec

The bytes transferred doing I/O operations to and from the disk per second.

Rate

system.disk.queue.length

The queue length of IO requests issued to your device.

Count

system.disk.volume

The label of the disk volume.

String

system.disk.volume.free.bytes

The amount of free disk space.

Bytes

system.disk.volume.used.bytes

The amount of used disk space.

Bytes

system.disk.volume.capacity.bytes

The capacity of the disk.

Bytes

system.disk.volume.used.percent

The percentage of used disk space out of the total disk space on a system.

Percent

Solaris Network Interface

â€‹

Metrics

Description

Type

system.network.interface

The name of the interface

String

system.network.interface.in.packets.rate

the number of packets transferred into an interface per second.

Count

system.network.interface.out.packets.rate

the number of packets transferred out of an interface per second.

Count

system.network.interface.packets.rate

The number of packets transferred in or out of an interface per second.

String

interface.error.packets

The total number of error packets sent and received on an interface.

Count

system.network.interface.packet.loss.percent

The percentage of packets lost out of total packets transferred over an interface.

Count

Solaris Process

Metrics

Description

Type

system.process

The name of the process.

String

system.process.handles

The number of handles used by a process.

Count

system.process.memory.used.bytes

The total space used in a RAM by a process.

Count

system.process.virtual.memory.bytes

The amount of virtual memory used by a process.

Count

system.process.id

The process Id.

Count

status

The status of the process. Up if the process is available for monitoring and down if the process is not available for monitoring

String

system.process.cpu.percent

The CPU utilization of a process.

Count

system.process.threads

The number of threads used by this process.

Count

system.process.uptime

The total time for which the process is in runnning state.

String

system.process.uptime.sec

The total time in seconds for which the process is running.

Count

system.process.memory.used.percent

The percentage of RAM allocated for use by a process.

Percentage

system.process.user

The name of the user that started the process.

String

system.process.command

The command to identify the status of the process.

String

system.process.source.ip

The source IP from which the process communicates.

String

system.process.source.port

The source port from which the process communicates.

Count

system.process.destination.ip

The destination IP to which the process communicates.

String

system.process.destination.port

The destination port to which the process communicates.

Count

system.process

The name of the process.

String

Page Title: sonicwall-firewall

On this page

SonicWall

Overview

â€‹

SonicWall Firewall, the comprehensive and robust firewall solutions by SonicWall, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and security of their SonicWall Firewalls. Monitor critical firewall metrics such as traffic patterns, connection status, and threat activity to ensure a secure and protected network environment.

Motadata AIOps empowers businesses to proactively detect potential security breaches, troubleshoot firewall issues, and optimize SonicWall Firewall configurations for improved protection. Receive instant alerts for suspicious activities, intrusion attempts, or policy violations, allowing prompt action to mitigate potential threats.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

sonicwall.hardware.sensor

The hardware sensor value from the SNMP device.

Count

sonicwall.hardware.sensor.entity.value

The specific value associated with the hardware sensor entity.

Count

sonicwall.hardware.sensor.entity.unit

The unit of measurement for the hardware sensor entity value.

String

system.model

The model or type of the SNMP device.

String

system.serial.number

The serial number of the SNMP device.

String

system.firmware.version

The version of the firmware running on the SNMP device.

String

system.cpu.percent

The percentage of CPU utilization on the SNMP device.

Percentage

system.memory.used.percent

The percentage of used memory on the SNMP device.

Percentage

sonicwall.maximum.cache.connections

The maximum number of cache connections supported by the SonicWall.

Count

sonicwall.active.cache.connections

The number of active cache connections on the SonicWall.

Count

tunnel.life.time.sec

The lifetime duration of the tunnel in seconds.

Count

tunnel.active.time.sec

The time duration that the tunnel has been active in seconds.

Count

tunnel

The identifier or name of the tunnel.

String

tunnel.source.ip.address

The source IP address of the tunnel.

String

tunnel.out.traffic.bytes.rate

The rate of outgoing traffic in bytes per second through the tunnel.

Count

tunnel.in.traffic.bytes.rate

The rate of incoming traffic in bytes per second through the tunnel.

Count

tunnel.destination.ip.address

The destination IP address of the tunnel.

String

tunnel.name

The name or label assigned to the tunnel.

String

tunnel.status

The current status of the tunnel.

String

remote.vpn.active.connections

The number of active VPN connections from remote clients.

Count

remote.vpn.client.in.traffic.bytes.rate

The incoming traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.out.traffic.bytes.rate

The outgoing traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.protocol

The communication protocol used by the VPN client.

String

remote.vpn.client.encryption.algorithm

The encryption algorithm used by the VPN client.

String

remote.vpn.client

The identifier or name of the remote VPN client.

String

remote.vpn.client.duration.sec

The duration of the VPN client connection in seconds.

Count

remote.vpn.client.app.version

The version of the VPN client application.

String

remote.vpn.client.duration

The duration of the VPN client connection.

String

remote.vpn.client.status

The status of the VPN client connection.

String

remote.vpn.user.group

The user group associated with the remote VPN client.

String

remote.vpn.client.app

The application name of the remote VPN client.

String

Page Title: ssl

On this page

SSL

Overview

â€‹

A service check for SSL (Secure Sockets Layer) involves monitoring the security and validity of SSL/TLS certificates used to secure websites, web applications, and other online services. SSL is a cryptographic protocol that encrypts data transmitted between a user's web browser and a web server, ensuring secure and private communication over the internet.

Prerequisites for SSL Monitoring Integration with Motadata AIOps

â€‹

Ensure that the SSL port (default: 443) is open for the Motadata AIOps server.

List of Supported KPIs

â€‹

Name

Description

Type

Certificate Issued To Common Name

Common name to which the certificate is issued

String

Certificate Issued By Organization Unit

Organization unit that issued the certificate

String

Certificate Issued To Organization Unit

Organization unit to which the certificate is issued

String

Certificate Expiry Date

Expiration date of the certificate

String

Certificate Issued Date

Date on which the certificate was issued

String

Certificate Issued To Organization

Organization to which the certificate is issued

String

Certificate Issued By Common Name

Common name of the entity that issued the certificate

String

Certificate Issued By Organization

Organization that issued the certificate

String

Certificate Remaining Days

Number of days remaining before the certificate expires

Count

Status

Status of the SSL certificate

String

Service Check Status

Status of the service check for SSL certificate

String

Page Title: suse

On this page

SUSE Linux

Overview

â€‹

The SUSE Linux integration with Motadata AIOps provides comprehensive monitoring and performance analysis for systems running the SUSE Linux operating system. This integration offers deep visibility into various aspects of the system, including CPU usage, memory consumption, disk I/O, network traffic, and more. By collecting and analyzing key performance indicators (KPIs), it enables administrators to monitor system health, optimize resource utilization, and troubleshoot potential issues before they impact end users.

This integration is particularly beneficial for organizations that rely on SUSE Linux for their critical infrastructure, as it ensures that systems are running efficiently and reliably.

Prerequisites

â€‹

Kindly refer the prerequisites for

Adding Linux Servers for Monitoring here

.

List of Supported KPIs

â€‹

SUSE

â€‹

Metrics

Description

Type

system.network.in.bytes.rate

Rate

system.overall.memory.free.bytes

The amount of free space available in RAM on your host.

Bytes

system.load.avg15.min

The average system load over fifteen minutes. (available for Linux only)

Percentage

system.cpu.type

system.swap.memory.free.bytes

The amount of free swap space.

Bytes

system.swap.memory.used.percent

The percentage of used swap memory in your system.

Percentage

system.vendor

The name of the vendor for the monitoring device

String

system.load.avg1.min

The average system load over one minute. (available for Linux only)

Percentage

system.network.udp.connections

The total number of UDP connections.

Count

system.load.avg5.min

The average system load over five minutes. (available for Linux only)

Percentage

system.blocked.processes

The number of blocked processes in the system.

Count

system.opened.file.descriptors

The number of file descriptors used by a particular process.

Count

system.cache.memory.bytes

The amount of the RAM used as cache memory.

Bytes

system.swap.memory.provisioned.bytes

Bytes

system.disk.io.time.percent

The percentage of time spent reading or writing to the disk

Percentage

system.network.tcp.connections

The total number of TCP connections.

Count

system.virtual

system.cpu.cores

The number of CPU cores on your host.

Count

system.os.name

The name of the operating system on your host.

String

system.os.version

The version of the operating system on your host.

String

system.context.switches.per.sec

The number of context switches per second.

Rate

system.disk.capacity.bytes

The capacity of the disk.

Bytes

system.network.tcp.retransmissions

The count of lost or damaged packets that were resent over the network.

Count

system.buffer.memory.bytes

The amount of the RAM used as buffer memory.

Bytes

system.swap.memory.used.bytes

The amount of used swap space in your system.

Bytes

system.cpu.interrupt.percent

The percentage of time the CPU has spent servicing hardware interrupts

system.memory.available.bytes

The amount of free RAM.

Bytes

system.interrupts.per.sec

The number of CPU interrupts per second.

Rate

system.overall.memory.used.bytes

The amount of used space in RAM.

Bytes

system.disk.io.ops.per.sec

The number of read-write operations per second on the device.

Rate

uptime

uptime.sec

The time for which the system has been available.

Seconds

system.swap.memory.free.percent

The percentage of free swap space out of the total swap space.

Percentage

system.disk.io.bytes.per.sec

The amount of bytes transferred per second in I/O operations to and from the disk.

Rate

system.network.bytes.rate

The number of bytes sent/received for a device per second.

Rate

system.disk.io.queue.length

The queue length of IO requests issued to your device.

Count

system.memory.installed.bytes

system.cpu.percent

The percentage of a CPU being utilized at a particular instance.

Percentage

system.disk.free.bytes

The total amount of free disk space available on a system.

Bytes

system.memory.used.bytes

The total amount of used RAM on a system.

Bytes

system.memory.free.bytes

The total amount of free RAM space on a system.

Bytes

system.overall.memory.used.percent

The percentage of used RAM out of the total RAM.

Percentage

system.model

The model of the device.

String

system.running.processes

The total number of running processes in the system.

Count

system.cpu.user.percent

The percentage of time the CPU spent running user space processes.

Percentage

system.memory.free.percent

The percentage of free RAM out of total RAM.

Percentage

system.disk.free.percent

The percentage of free disk space out of the total disk space in the system.

Percentage

system.processor.queue.length

The number of threads that are delayed in the processor ready queue and are waiting to be executed.

Count

system.cpu.io.percent

The percentage of time the CPU spent waiting for IO operations to complete.

Percentage

system.disk.used.percent

The percentage of used disk space out of the total disk space on a system.

Percentage

system.network.error.packets

The total number of error packets in a network.

Count

system.threads

The total number of CPU threads.

Count

system.name

The name of the device.

String

system.disk.used.bytes

The total amount of used disk space on a system.

Count

system.network.out.bytes.rate

system.memory.used.percent

The percentage of used RAM out of total RAM.

Percentage

system.overall.memory.free.percent

system.cpu.kernel.percent

The percent of time the CPU spent running the kernel.

Percentage

system.cpu.idle.percent

The percentage of time the CPU has spent idle.

Percentage

CPU Core

â€‹

Metrics

Description

Type

system.cpu.core

The number of CPU cores on the host.

Count

system.cpu.core.idle.percent

The percentage of time a particular CPU core has spent in idle state.

Percentage

system.cpu.core.percent

The percentage of a CPU core being utilized at a particular instance.

Percentage

system.cpu.core.user.percent

The percentage of time a given CPU core has spent in user mode

Percentage

system.cpu.core.kernel.percent

The percentage of time a given CPU core has spent in kernel mode

Percentage

system.cpu.core.io.percent

The percentage of time a given CPU core has spent waiting for I/O to complete

Percentage

system.cpu.core.interrupt.percent

The percentage of time a given CPU core has spent servicing the interrupts.

Percentage

Directory

â€‹

Metrics	Description	Type
system.directory.files	The number of files in a directory	Count
system.directory.owner	The owner of the system directory	String
system.directory.mode.owner	The file access mode for a user who is an owner of particular directory.	String
system.directory.mode.group	The file access mode for a group that has access to a particular directory	String
system.directory	The name of the directory	String
system.directory.creation.time	The time at which the directory is created.	String
system.directory.modified.duration.minutes	The duration since the directory was last modified.	Seconds
system.directory.size.bytes	The size of the directory.	

Bytes

status

String

system.directory.last.modified.time

The time at which the directory was last modifed by a user

String

system.directory.dirs

Count

system.directory.mode.others

The file access mode for all other users that are not owner of the directory.

String

Disk

Metrics

Description

Type

system.disk

The name of the particular disk.

String

system.disk.write.ops.per.sec

The writing operations performed on the disk per second.

Rate

system.disk.time.percent

The percentage of time spent doing I/O operations on the disk.

Count

system.disk.bytes.per.sec

The bytes transferred doing I/O operations to and from the disk per second.

Rate

system.disk.ops.per.sec

The I/O operations per second on the disk.

Count

system.disk.read.ops.per.sec

The reading operations per second to the disk.

Count

system.disk.read.bytes.per.sec

The bytes transferred per second reading from the disk.

Count

system.disk.write.bytes.per.sec

The bytes transferred per second writing to the disk.

Count

system.disk.queue.length

The queue length of IO requests issued to your device.

Count

File

â€‹

Metrics

Description

Type

system.file.size.bytes

Total size of the file

Byte

system.file.last.modified.time

The time at which the file was last modified.

String

system.file.modified.duration.minutes

Duration since the file was last modified.

Minutes

system.file.mode.owner

The file access modes for the file if the permission group is owner.

String

system.file

The path and the file name of the file

String

system.file.creation.time

The time at which the file was created

String

system.file.owner

The user that created the file.

String

system.file.mode.group

The file access modes for the file if the permission group is group

String

system.file.mode.others

The file access modes for the file if the permission group is others

String

status

The status of the file whether it is available or not. The value is Up if the file is available and Down if the file is not available.

String

Network Interface

â€‹

Metrics

Description

Type

system.network.interface

Name of the interface.

String

system.network.interface.in.bytes.rate

Bytes transferred per second to the network interface.

Rate

system.network.interface.out.bytes.rate

Bytes transferred per second out of the network interface.

Rate

system.network.interface.bytes.rate

Bytes transferred per second in or out of the network itnerface.

Rate

Process

Metrics

Description

Type

system.process.memory.used.percent

The percentage of RAM allocated for use by a process.

Count or percentage?

system.process.virtual.memory.bytes

The total amount of virtual memory used by a process.

Byte

system.process.handles

The number of handles used by a process.

Count

system.process.user

The name of the user that started the process.

String

system.process.cpu.percent

The CPU utilization of a process.

Percentage

system.process.uptime.sec

The total time in seconds for which the process is running.

Seconds

status

The status of the process. The value is Up if the process is available for monitoring and Down if the process is not available for monitoring.

String

system.process.memory.used.bytes

The total space used in a RAM by a process.

Byte

system.process.uptime

The total time for which the process is in runnning state.

String

system.process.threads

The number of threads used by this process.

Count

system.process.command

The command to identify the status of the process.

String

system.process.io.bytes.per.sec

The bytes transferred per second doing I/O operations to or from the disk for a process.

Rate

system.process

The name of the process.

String

system.process.id

The process Id.

Count

system.process.destination.port

The destination port to which the process communicates.

String

system.process

The name of the process.

String

system.process.source.ip

The source IP from which the process communicates.

String

system.process.destination.ip

The destination IP to which the process communicates.

String

system.process.source.port

The source port from which the process communicates.

String

Page Title: sybase

On this page

Sybase

Overview

â€‹

Sybase, the robust and scalable relational database management system, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Sybase databases. Monitor critical database metrics such as query execution times, transaction rates, and database size to ensure efficient data processing and retrieval.

Supported Versions

â€‹

Versions

6.0.0, Adaptive Server Enterprise/16.0 SP03 (Windows)

16 (Linux)

Prerequisites for Sybase Integration with Motadata AIOps:

â€‹

Ensure that the Sybase port (default: 5000) is open for the Motadata AIOps server.

Ensure you have the necessary credentials, including the username and password, for Motadata AIOps to connect to the Oracle database.

Ensure that JDBC is supported on the server where Sybase Database is configured.

For agentless monitoring, ensure that the user has the required access for remote access to the Sybase database server. For agent-based monitoring, this is not required.

Ensure that the Sybase service is active and running on the server.

Ensure you have the name of the Sybase database that you want to monitor.

Confirm that the Sybase process and service are listed in the process and service monitor settings

of Motadata AIOps. While these may be listed by default, verify that the names of the service and process match the specific Sybase version that you intend to monitor.

By following these prerequisites, you can integrate Sybase with Motadata AIOps and ensure smooth functioning of the monitoring process.

List of Supported KPIs

â€‹

Name

Description

Type

sybase.deadlocks

The number of deadlocks that occurred in Sybase

Count

sybase.hits

The number of cache hits in Sybase

Count

sybase.misses

The number of cache misses in Sybase

Count

sybase.write.bytes.rate

The rate of bytes written in Sybase

Count

sybase.read.bytes.rate

The rate of bytes read in Sybase

Count

sybase.io.errors

The number of I/O errors encountered in Sybase

Count

sybase.version

The version of Sybase

String

started.time

The time when Sybase was started

String

started.time.sec

The uptime of Sybase in seconds

Count

system.tags

The tags associated with the Sybase system

String

sybase.procedure.cache.hit.ratio.percent

The hit ratio of the Sybase procedure cache in percentage

Count

sybase.buffer.cache.hit.ratio.percent

The hit ratio of the Sybase buffer cache in percentage

Count

sybase.active.audit.queue.size

The size of the active audit queue in Sybase

Count

sybase.active.compression.pool.size

The size of the active compression pool in Sybase

Count

sybase.active.heap.memory.per.user

The amount of active heap memory per user in Sybase

Count

sybase.free.heap.memory.per.user

The amount of free heap memory per user in Sybase

Count

sybase.heap.memory.per.user.used.percent

The percentage of heap memory per user used in Sybase

Count

sybase.active.kernel.resource.memory.bytes

The amount of active kernel resource memory used in Sybase

Count

sybase.free.kernel.resource.memory.bytes

The amount of free kernel resource memory available in Sybase

Count

sybase.kernel.resource.memory.used.percent

The percentage of kernel resource memory used in Sybase

Count

sybase.active.memory.per.worker.process

The amount of active memory per worker process in Sybase

Count

sybase.active.java.sockets

The number of active Java sockets in Sybase

Count

sybase.active.large.i/o.buffers

The number of active large I/O buffers in Sybase

Count

sybase.active.locks

The number of active locks in Sybase

Count

sybase.active.databases

The number of active databases in Sybase

Count

sybase.txn.to.pss.ratio.used.percent

The percentage of transaction to PSS ratio used in Sybase

Count

sybase.active.open.indexes

The number of active open indexes in Sybase

Count

sybase.active.open.objects

The number of active open objects in Sybase

Count

sybase.active.open.partitions

The number of active open partitions in Sybase

Count

sybase.active.remote.connections

The number of active remote connections in Sybase

Count

sybase.active.remote.logins

The number of active remote logins in Sybase

Count

sybase.active.sort.buffers

The number of active sort buffers in Sybase

Count

sybase.active.user.connections

The number of active user connections in Sybase

Count

sybase.active.worker.processes

The number of active worker processes in Sybase

Count

sybase.active.procedure.cache.size

The size of the active procedure cache in Sybase

Count

sybase.active.global.fixed.heap

The size of the active global fixed heap in Sybase

Count

sybase.active.process.object.heap

The size of the active process object heap in Sybase

Count

sybase.active.shared.class.heap

The size of the active shared class heap in Sybase

Count

sybase.active.unilib.cache

The size of the active unilib cache in Sybase

Count

sybase.transaction.start.time

The start time of the Sybase transaction

String

sybase.transaction.connection.type

The type of connection for the Sybase transaction

String

sybase.transaction.name

The name of the Sybase transaction

String

sybase.transaction.database.name

The name of the database associated with the transaction in Sybase

String

sybase.transaction.coordinator

The coordinator of the Sybase transaction

String

sybase.transaction.state

The state of the Sybase transaction

String

sybase.transaction.type

The type of the Sybase transaction

String

sybase.transaction.program.name

The program name associated with the transaction in Sybase

String

sybase.process.name

The name of the Sybase process

String

sybase.process.kernel.id

The kernel ID of the Sybase process

Count

sybase.process.wait.time.ms

The wait time of the Sybase process in milliseconds

Count

sybase.process.id

The ID of the Sybase process

Count

sybase.process.priority

The priority of the Sybase process

String

sybase.process.status

The status of the Sybase process

String

sybase.process.hostname

The hostname of the machine running the process

String

sybase.process.command

The command executed by the Sybase process

String

sybase.process.client

The client associated with the Sybase process

String

sybase.process.io.ops

The number of I/O operations performed by the process

Count

sybase.process.memory.bytes

The memory usage in bytes by the Sybase process

Count

sybase.process.host

The host of the Sybase process

Count

sybase.database

The name of the Sybase database

String

sybase.database.durability

The durability level of the Sybase database

String

sybase.database.creation.date

The creation date of the Sybase database

String

sybase.database.last.dump.transaction

The ID of the last dump transaction for the Sybase database

String

sybase.database.id

The ID of the Sybase database

Count

sybase.database.user.id

The ID of the user associated with the Sybase database

Count

sybase.database.memory.bytes

The total memory usage in bytes by the Sybase database

Count

sybase.database.used.memory.bytes

The used memory in bytes by the Sybase database

Count

sybase.database.memory.used.percent

The percentage of used memory by the Sybase database

Count

sybase.database.backup.start.time

The start time of the backup process for the Sybase database

Count

sybase.database.backup.last.checkpoint.time

The time of the last checkpoint during the backup process

Count

sybase.database.backup.last.transaction.log.dump.time

The time of the last transaction log dump during the backup process

Count

sybase.database.backup.transaction.log.status

The status of the transaction log backup process for the Sybase database

Count

sybase.database.backup.suspended.processes

The number of suspended processes during the backup process

Count

sybase.database.backup.instance.id

The ID of the backup instance for the Sybase database

Count

Page Title: symantec-email-gateway

On this page

Symantec Email Gateway

Overview

â€‹

Symantec Email Gateway, now known as Symantec Messaging Gateway, is a comprehensive email security solution designed to protect organizations from email-based threats, spam, malware, phishing attacks, and data loss. It provides advanced threat detection, content filtering, and encryption capabilities to secure email communications and safeguard sensitive information.

List of Supported KPIs

â€‹

Name

Description

Type

smg.disk.volume

Disk volume identifier

String

smg.disk.volume.capacity.bytes

Total capacity of the disk volume in bytes

Count

smg.disk.volume.used.bytes

Amount of disk volume space used in bytes

Count

smg.disk.volume.free.bytes

Amount of free disk volume space in bytes

Count

smg.disk.volume.used.percent

Percentage of disk volume space used

Percent

smg.disk.volume.free.percent

Percentage of free disk volume space

Percent

smg.physical.memory.used.bytes

Amount of physical memory used by the system in bytes

Count

smg.virtual.memory.percent

Percentage of virtual memory usage

Percent

smg.swap.memory.percent

Percentage of swap memory usage

Percent

smg.system.cpu.percent

Percentage of CPU usage by the system

Percent

smg.disk.used.percent

Percentage of disk space used on the system

Percent

smg.disk.free.percent

Percentage of free disk space on the system

Percent

smg.cpu.percent

Percentage of CPU usage

Percent

smg.idle.cpu.percent

Percentage of CPU idle time

Percent

smg.disk.capacity.bytes

Total capacity of the disk in bytes

Count

smg.physical.memory.bytes

Total physical memory capacity in bytes

Count

smg.cached.memory.free.bytes

Amount of free cached memory available in bytes

Count

smg.virtual.memory.used.bytes

Amount of virtual memory used in bytes

Count

smg.running.processes

Number of currently running processes

Count

smg.cached.memory.percent

Percentage of memory used for caching

Percent

smg.cached.memory.bytes

Amount of memory used for caching in bytes

Count

smg.swap.memory.used.bytes

Amount of swap memory used in bytes

Count

smg.user.cpu.percent

Percentage of CPU usage by user processes

Percent

smg.queue

Queue identifier

String

smg.cached.memory.used.bytes

Amount of cached memory used in bytes

Count

smg.swap.memory.bytes

Total capacity of swap memory in bytes

Count

smg.swap.memory.free.bytes

Amount of free swap memory in bytes

Count

smg.physical.memory.free.bytes

Amount of free physical memory in bytes

Count

smg.virtual.memory.free.bytes

Amount of free virtual memory in bytes

Count

smg.connected.users

Number of connected users

Count

smg.physical.memory.percent

Percentage of physical memory usage

Percent

smg.virtual.memory.bytes

Amount of virtual memory used in bytes

Count

smg.disk.used.bytes

Amount of disk space used in bytes

Count

smg.disk.free.bytes

Amount of free disk space in bytes

Count

smg.queue

Queue identifier

String

smg.queue.queued.messages

Number of messages currently queued in the queue

Count

smg.queue.size.bytes

Size of the queue in bytes

Count

smg.queue.connections

Number of connections to the queue

Count

smg.queue.deferred.messages

Number of messages deferred in the queue

Count

smg.queue.messages.per.sec

Number of messages processed per second

Count

smg.queue.bytes.per.sec

Number of bytes processed per second

Count

Page Title: toshiba-ups

On this page

Toshiba

Overview

â€‹

Toshiba UPS, the reliable and high-performance uninterruptible power supply solutions by Toshiba, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Toshiba UPS devices. Monitor critical UPS metrics such as battery status, load levels, and input/output voltage to ensure continuous and reliable power protection.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics	Description	Type
ping.min.latency.ms	Minimum latency (in milliseconds) observed during ping	Count
ping.received.packets	Number of packets received during ping	Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

ups.load

The current load percentage of the UPS system.

Percentage

ups.charge

The remaining charge percentage of the UPS battery.

Percentage

ups.input.line.voltage

The input voltage supplied to the UPS.

Numeric

ups.output.line.voltage

The output voltage provided by the UPS.

Numeric

ups.output.current

The current flowing through the UPS output.

Numeric

ups.sensor.status

The status of the UPS sensor.

String

ups.sensor.communications.status

The communication status of the UPS sensor.

String

ups.battery.last.replace.date

The date when the UPS battery was last replaced.

Date

ups.last.self.test.date

The date when the last self-test was performed on the UPS.

Date

ups.battery.status

The status of the UPS battery.

String

ups.battery.temperature

The temperature of the UPS battery.

Numeric

ups.battery.replace

Indicates if the UPS battery needs replacement.

String

ups.input.voltage

The input voltage supplied to the UPS.

Numeric

ups.external.batteries.infected

Indicates if external batteries connected to the UPS are infected.

String

ups.comm.status

The communication status of the UPS.

String

ups.last.self.test.result

The result of the last self-test performed on the UPS.

String

ups.output.status

The status of the UPS output.

String

ups.basic.battery.time.on.battery

The remaining time the UPS battery can support the load.

Time

ups.input.frequency

The input frequency supplied to the UPS.

Numeric

ups.reason.for.last.transfer

The reason for the last transfer to UPS power.

String

ups.battery.runtime.remain

The remaining runtime of the UPS battery.

Time

ups.output.voltage

The output voltage provided by the UPS.

Numeric

ups.load

The current load percentage of the UPS system.

Percentage

ups.input.source

The input source supplying power to the UPS.

String

ups.time.remaining

The remaining time the UPS can operate on battery power.

Time

ups.battery.current

The current flowing through the UPS battery.

Numeric

ups.backup.time.remaining

The remaining time the UPS can operate on battery power.

Time

ups.output.load

The current load percentage of the UPS output.

Percentage

ups.temperature

The temperature of the UPS.

Numeric

ups.battery.power.consumed

The power consumed by the UPS battery.

Numeric

ups.number.transients

The number of transients experienced by the UPS.

Count

ups.battery.voltage

The voltage of the UPS battery.

Numeric

ups.output.power

The power output provided by the UPS.

Numeric

ups.bypass.state

The state of the UPS bypass.

String

ups.inverter.state

The state of the UPS inverter.

String

ups.battery.time.remaining

The remaining time the UPS battery can support the load.

Time

ups.inverter.temperature

The temperature of the UPS inverter.

Numeric

ups.battery.sys.shutdown.duration

The duration of the UPS battery system shutdown.

Time

ups.battery.installed

Indicates if the UPS battery is installed.

String

ups.elapsed.time.on.battery

The elapsed time the UPS has been operating on battery power.

Time

ups.charge.remaining.percent

The remaining charge percentage of the UPS battery.

Percentage

Page Title: tripp-lite-ups

On this page

Tripp Lite

Overview

â€‹

Tripplite UPS, the reliable and high-performance uninterruptible power supply solutions by Tripp Lite, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Tripp Lite UPS devices. Monitor critical UPS metrics such as battery status, load levels, and input/output voltage to ensure continuous and reliable power protection.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

ups.load

Load on the UPS indicating the percentage of its capacity being used.

Percentage

ups.charge

Charge level of the UPS battery.

Percentage

ups.input.line.voltage

Input voltage from the power source to the UPS.

Voltage

ups.output.line.voltage

Output voltage supplied by the UPS to the connected devices.

Voltage

ups.output.current

Current flowing through the output of the UPS.

Current

ups.sensor.status

Status of the sensors used in the UPS.

String

ups.sensor.communications.status

Status of the communication sensors in the UPS.

String

ups.battery.last.replace.date

Date of the last battery replacement.

Date

ups.last.self.test.date

Date of the last self-test performed on the UPS.

Date

ups.battery.status

Status of the UPS battery.

String

ups.battery.temperature

Temperature of the UPS battery.

Temperature

ups.battery.replace

Indicates if the battery needs replacement.

String

ups.input.voltage

Input voltage from the power source to the UPS.

Voltage

ups.external.batteries.infected

Indicates if external batteries are infected.

String

ups.comm.status

Communication status of the UPS.

String

ups.last.self.test.result

Result of the last self-test performed on the UPS.

String

ups.output.status

Status of the UPS output.

String

ups.basic.battery.time.on.battery

Estimated remaining time on battery power.

Time

ups.input.frequency

Input frequency from the power source to the UPS.

Frequency

ups.reason.for.last.transfer

Reason for the last transfer to UPS power.

String

ups.battery.runtime.remain

Remaining runtime of the UPS battery.

Time

ups.output.voltage

Output voltage supplied by the UPS to the connected devices.

Voltage

ups.input.source

Source from where the UPS is getting power input.

String

ups.time.remaining

Estimated remaining time of UPS backup power.

Time

ups.battery.current

Current flowing through the UPS battery.

Current

ups.backup.time.remaining

Estimated remaining backup time for the UPS.

Time

ups.output.load

Load on the UPS output.

Percentage

ups.temperature

Temperature reading of the UPS.

Temperature

ups.battery.power.consumed

Power consumed by the UPS battery.

Count

ups.number.transients

Number of transients experienced by the UPS.

Count

ups.battery.voltage

Voltage of the UPS battery.

Voltage

ups.output.frequency

Output frequency supplied by the UPS.

Frequency

ups.inverter.state

State of the UPS inverter.

String

ups.output.power

Power output from the UPS to the connected devices.

Power

ups.bypass.state

State of the UPS bypass.

String

ups.battery.time.remaining

Estimated remaining time of UPS battery power.

Time

ups.inverter.temperature

Temperature of the UPS inverter.

Temperature

ups.battery.sys.shutdown.duration

Duration of system shutdown on UPS battery power.

Time

ups.battery.installed

Indicates if the UPS battery is installed.

String

ups.charge.remaining.percent

Percentage of remaining charge on the UPS battery.

Percentage

ups.elapsed.time.on.battery

Total elapsed time since the UPS is running on battery power.

Time

Page Title: ubuntu

On this page

Ubuntu

Overview

â€‹

The Ubuntu integration in Motadata AIOps empowers users to monitor and optimize their Ubuntu-based systems effectively. By collecting and analyzing performance metrics, log data, and system information from Ubuntu servers and devices, this integration offers valuable insights into the health and performance of the Ubuntu infrastructure. With real-time visibility, administrators can proactively address potential issues, fine-tune resource utilization, and ensure the seamless functioning of their Ubuntu environment, enhancing overall operational efficiency and reliability.

Prerequisites

â€‹

Kindly refer the prerequisites for

Adding Linux Servers for Monitoring here

.

List of Supported KPIs

â€‹

Ubuntu

â€‹

Metrics

Description

Type

system.network.in.bytes.rate

Rate

system.overall.memory.free.bytes

The amount of free space available in RAM on your host.

Bytes

system.load.avg15.min

The average system load over fifteen minutes. (available for Linux only)

Percentage

system.cpu.type

system.swap.memory.free.bytes

The amount of free swap space.

Bytes

system.swap.memory.used.percent

The percentage of used swap memory in your system.

Percentage

system.vendor

The name of the vendor for the monitoring device

String

system.load.avg1.min

The average system load over one minute. (available for Linux only)

Percentage

system.network.udp.connections

The total number of UDP connections.

Count

system.load.avg5.min

The average system load over five minutes. (available for Linux only)

Percentage

system.blocked.processes

The number of blocked processes in the system.

Count

system.opened.file.descriptors

The number of file descriptors used by a particular process.

Count

system.cache.memory.bytes

The amount of the RAM used as cache memory.

Bytes

system.swap.memory.provisioned.bytes

Bytes

system.disk.io.time.percent

The percentage of time spent reading or writing to the disk

Percentage

system.network.tcp.connections

The total number of TCP connections.

Count

system.virtual

system.cpu.cores

The number of CPU cores on your host.

Count

system.os.name

The name of the operating system on your host.

String

system.os.version

The version of the operating system on your host.

String

system.context.switches.per.sec

The number of context switches per second.

Rate

system.disk.capacity.bytes

The capacity of the disk.

Bytes

system.network.tcp.retransmissions

The count of lost or damaged packets that were resent over the network.

Count

system.buffer.memory.bytes

The amount of the RAM used as buffer memory.

Bytes

system.swap.memory.used.bytes

The amount of used swap space in your system.

Bytes

system.cpu.interrupt.percent

The percentage of time the CPU has spent servicing hardware interrupts

system.memory.available.bytes

The amount of free RAM.

Bytes

system.interrupts.per.sec

The number of CPU interrupts per second.

Rate

system.overall.memory.used.bytes

The amount of used space in RAM.

Bytes

system.disk.io.ops.per.sec

The number of read-write operations per second on the device.

Rate

uptime

uptime.sec

The time for which the system has been available.

Seconds

system.swap.memory.free.percent

The percentage of free swap space out of the total swap space.

Percentage

system.disk.io.bytes.per.sec

The amount of bytes transferred per second in I/O operations to and from the disk.

Rate

system.network.bytes.rate

The number of bytes sent/received for a device per second.

Rate

system.disk.io.queue.length

The queue length of IO requests issued to your device.

Count

system.memory.installed.bytes

system.cpu.percent

The percentage of a CPU being utilized at a particular instance.

Percentage

system.disk.free.bytes

The total amount of free disk space available on a system.

Bytes

system.memory.used.bytes

The total amount of used RAM on a system.

Bytes

system.memory.free.bytes

The total amount of free RAM space on a system.

Bytes

system.overall.memory.used.percent

The percentage of used RAM out of the total RAM.

Percentage

system.model

The model of the device.

String

system.running.processes

The total number of running processes in the system.

Count

system.cpu.user.percent

The percentage of time the CPU spent running user space processes.

Percentage

system.memory.free.percent

The percentage of free RAM out of total RAM.

Percentage

system.disk.free.percent

The percentage of free disk space out of the total disk space in the system.

Percentage

system.processor.queue.length

The number of threads that are delayed in the processor ready queue and are waiting to be executed.

Count

system.cpu.io.percent

The percentage of time the CPU spent waiting for IO operations to complete.

Percentage

system.disk.used.percent

The percentage of used disk space out of the total disk space on a system.

Percentage

system.network.error.packets

The total number of error packets in a network.

Count

system.threads

The total number of CPU threads.

Count

system.name

The name of the device.

String

system.disk.used.bytes

The total amount of used disk space on a system.

Count

system.network.out.bytes.rate

system.memory.used.percent

The percentage of used RAM out of total RAM.

Percentage

system.overall.memory.free.percent

system.cpu.kernel.percent

The percent of time the CPU spent running the kernel.

Percentage

system.cpu.idle.percent

The percentage of time the CPU has spent idle.

Percentage

CPU Core

â€‹

Metrics	Description	Type
system.cpu.core	The number of CPU cores on the host.	Count
system.cpu.core.idle.percent	The percentage of time a particular CPU core has spent in idle state.	Percentage
system.cpu.core.percent	The percentage of a CPU core being utilized at a particular instance.	Percentage
system.cpu.core.user.percent	The percentage of time a given CPU core has spent in user mode	Percentage
system.cpu.core.kernel.percent	The percentage of time a given CPU core has spent in kernel mode	Percentage
system.cpu.core.io.percent	The percentage of time a given CPU core has spent waiting for I/O to complete	Percentage
system.cpu.core.interrupt.percent	The percentage of time a given CPU core has spent servicing the interrupts.	Percentage

Directory

â€‹

Metrics

Description

Type

system.directory.files

The number of files in a directory

Count

system.directory.owner

The owner of the system directory

String

system.directory.mode.owner

The file access mode for a user who is an owner of particular directory.

String

system.directory.mode.group

The file access mode for a group that has access to a particular directory

String

system.directory

The name of the directory

String

system.directory.creation.time

The time at which the directory is created.

String

system.directory.modified.duration.minutes

The duration since the directory was last modified.

Seconds

system.directory.size.bytes

The size of the directory.

Bytes

status

String

system.directory.last.modified.time

The time at which the directory was last modifed by a user

String

system.directory.dirs

Count

system.directory.mode.others

The file access mode for all other users that are not owner of the directory.

String

Disk

Metrics

Description

Type

system.disk

The name of the particular disk.

String

system.disk.write.ops.per.sec

The writing operations performed on the disk per second.

Rate

system.disk.time.percent

The percentage of time spent doing I/O operations on the disk.

Count

system.disk.bytes.per.sec

The bytes transferred doing I/O operations to and from the disk per second.

Rate

system.disk.ops.per.sec

The I/O operations per second on the disk.

Count

system.disk.read.ops.per.sec

The reading operations per second to the disk.

Count

system.disk.read.bytes.per.sec

The bytes transferred per second reading from the disk.

Count

system.disk.write.bytes.per.sec

The bytes transferred per second writing to the disk.

Count

system.disk.queue.length

The queue length of IO requests issued to your device.

Count

File

â€‹

Metrics

Description

Type

system.file.size.bytes

Total size of the file

Byte

system.file.last.modified.time

The time at which the file was last modified.

String

system.file.modified.duration.minutes

Duration since the file was last modified.

Minutes

system.file.mode.owner

The file access modes for the file if the permission group is Ã¢â‚¬ËœownerÃ¢â‚¬â„¢.

String

system.file

The path and the file name of the file

String

system.file.creation.time

The time at which the file was created

String

system.file.owner

The user that created the file.

String

system.file.mode.group

The file access modes for the file if the permission group is Ã¢â‚¬ËœgroupÃ¢â‚¬â„¢

String

system.file.mode.others

The file access modes for the file if the permission group is Ã¢â‚¬ËœothersÃ¢â‚¬â„¢

String

status

The status of the file whether it is available or not. The value is Up if the file is available and Down if

the file is not available.

String

Network Interface

â€‹

Metrics

Description

Type

system.network.interface

Name of the interface.

String

system.network.interface.in.bytes.rate

Bytes transferred per second to the network interface.

Rate

system.network.interface.out.bytes.rate

Bytes transferred per second out of the network interface.

Rate

system.network.interface.bytes.rate

Bytes transferred per second in or out of the network itnerface.

Rate

Process

Metrics

Description

Type

system.process.memory.used.percent

The percentage of RAM allocated for use by a process.

Count or percentage?

system.process.virtual.memory.bytes

The total amount of virtual memory used by a process.

Byte

system.process.handles

The number of handles used by a process.

Count

system.process.user

The name of the user that started the process.

String

system.process.cpu.percent

The CPU utilization of a process.

Percentage

system.process.uptime.sec

The total time in seconds for which the process is running.

Seconds

status

The status of the process. The value is Up if the process is available for monitoring and Down if the

process is not available for monitoring.

String

system.process.memory.used.bytes

The total space used in a RAM by a process.

Byte

system.process.uptime

The total time for which the process is in runnning state.

String

system.process.threads

The number of threads used by this process.

Count

system.process.command

The command to identify the status of the process.

String

system.process.io.bytes.per.sec

The bytes transferred per second doing I/O operations to or from the disk for a process.

Rate

system.process

The name of the process.

String

system.process.id

The process Id.

Count

system.process.destination.port

The destination port to which the process communicates.

String

system.process

The name of the process.

String

system.process.source.ip

The source IP from which the process communicates.

String

system.process.destination.ip

The destination IP to which the process communicates.

String

system.process.source.port

The source port from which the process communicates.

String

Page Title: url

On this page

URL Monitoring

Overview

â€‹

A service check for a URL, often referred to as a URL monitoring or website monitoring, is a process of regularly verifying the availability and performance of a specific website or web service. This monitoring ensures that the website is accessible to users and functioning correctly, and it helps identify any potential issues or downtime that might impact the user experience.

Prerequisites for URL Monitoring Integration with Motadata AIOps

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Provide the necessary credentials, including the username and password, for Motadata AIOps to access the URL server.

Ensure that either HTTP or HTTPS protocol are supported on the URL server.

By following these prerequisites, you can integrate URL monitoring with Motadata AIOps and ensure effective monitoring and management of your URL resources.

List of Supported KPIs

â€‹

Name

Description

Type

status

Status of the URL

String

service.check.status

Service check status of the URL

String

url.page.content

Content of the URL page

String

service.check.latency.ms

Latency in milliseconds for service check

Count

url.latency.ms

Latency in milliseconds for URL

Count

url.response.code

Response code of the URL

Count

url.size.bytes

Size of the URL content in bytes

Count

url.dns.lookup.time.ms

Time taken for DNS lookup in milliseconds

Count

url.connection.time.ms

Time taken for URL connection in milliseconds

Count

url.first.byte.time.ms

Time taken for the first byte of the URL in ms

Count

url.content.found

Indicator if URL content is found

Count

Page Title: valere-power-ups

On this page

Valere Power

Overview

â€‹

Valere Power UPS, the reliable and high-performance uninterruptible power supply solutions by Valere Power, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Valere Power UPS devices. Monitor critical UPS metrics such as battery status, load levels, and input/output voltage to ensure continuous and reliable power protection.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics

Description

Type

ping.min.latency.ms

Minimum latency (in milliseconds) observed during ping

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

ups.load

The load on the uninterruptible power supply (UPS) measured as a percentage of its maximum capacity.

Percentage

ups.charge

The current charge level of the UPS battery.

Percentage

ups.input.line.voltage

The voltage of the input power line feeding the UPS.

Voltage

ups.output.line.voltage

The voltage of the output power line from the UPS.

Voltage

ups.output.current

The current flowing through the UPS output line.

Current

ups.sensor.status

Status of the sensors in the UPS.

Status

ups.sensor.communications.status

Status of communication with the UPS sensors.

Status

ups.battery.last.replace.date

The date when the UPS battery was last replaced.

Date

ups.last.self.test.date

The date when the last self-test was performed on the UPS.

Date

ups.battery.status

The status of the UPS battery (e.g., charging, discharging, fully charged).

Status

ups.battery.temperature

The temperature of the UPS battery.

Temperature

ups.battery.replace

Whether the UPS battery needs replacement.

Status

ups.input.voltage

The voltage of the input power to the UPS.

Voltage

ups.external.batteries.infected

Status of external batteries connected to the UPS.

Status

ups.comm.status

The communication status of the UPS.

Status

ups.last.self.test.result

Result of the last self-test performed on the UPS.

Result

ups.output.status

The status of the UPS output (e.g., on, off).

Status

ups.basic.battery.time.on.battery

The estimated remaining runtime of the UPS battery.

Time

ups.input.frequency

The frequency of the input power line feeding the UPS.

Frequency

ups.reason.for.last.transfer

Reason for the last power transfer.

Reason

ups.battery.runtime.remain

The remaining runtime of the UPS battery.

Time

ups.output.voltage

The voltage of the output power line from the UPS.

Voltage

ups.input.source

The source of input power for the UPS.

Source

ups.time.remaining

The estimated remaining time on battery power.

Time

ups.battery.current

The current flowing into or out of the UPS battery.

Current

ups.backup.time.remaining

The estimated remaining backup time for the UPS.

Time

ups.output.load

The load on the output power line from the UPS.

Percentage

ups.temperature

The temperature of the UPS.

Temperature

ups.battery.power.consumed

The power consumed by the UPS battery.

Power

ups.number.transients

The number of transients experienced by the UPS.

Count

ups.battery.voltage

The voltage of the UPS battery.

Voltage

ups.output.frequency

The frequency of the output power line from the UPS.

Frequency

ups.inverter.state

The state of the UPS inverter (e.g., on, off).

Status

ups.output.power

The power delivered by the UPS output.

Power

ups.bypass.state

The state of the UPS bypass (e.g., on, off).

Status

ups.battery.time.remaining

The estimated remaining runtime of the UPS battery.

Time

ups.charge.remaining.percent

The percentage of remaining charge on the UPS battery.

Percentage

ups.elapsed.time.on.battery

The total elapsed time that the UPS has been on battery power.

Time

ups.battery.installed

Whether the UPS battery is installed.

Status

Page Title: vlan

On this page

VLAN

Overview

â€‹

Get metrics from VLAN server to monitor its performance.

Compatibility Version

â€‹

AIOps 8.0

Prerequisites

â€‹

List of Supported KPIs

â€‹

VLAN

â€‹

Metrics	Description	Type
vlan.name	The name of the VLAN	String
vlan.status	The status of the VLAN	String
vlan	The index number of the VLAN.	

String

vlan.ports

The number of ports in the VLAN.

String

vlan.port

The list of port numbers in the VLAN.

String

Page Title: vmware-vcenter

On this page

vCenter

Overview

â€‹

vCenter Server is a centralized management platform developed by VMware for managing and administering VMware vSphere virtualization environments. It serves as the core component of VMware's vSphere suite, providing a unified interface for managing multiple ESXi hosts and virtual machines (VMs) within a data center or virtual infrastructure.

Prerequisites

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To enable vCenter monitoring, ensure the following pre-requisites.

VCenter's User Name and Password: Provide the correct username and password when discovering the VCenter.

VMware Tools (optional): We recommend that you install VMware tools on the VMs. In general, VMware tools improve the performance of the Virtual Machine. They also offer IP address of the VMs, which helps AIOps to discover them. If VMware Tools are not installed then AIOps will still monitor the details of the VMs but it will not bring in the details of the IPs of the VM.

List of Supported KPIs

â€‹

vCenter

â€‹

Metrics

Description

Type

vcenter.data centers

The count of data centers.

Count

vcenter.clusters

The count of clusters.

Count

vcenter.datastores

The count of datastores.

Count

vcenter.offline.datastores

The count of offline datastores.

Count

vcenter.memory.installed.bytes

Count

vcenter.memory.used.bytes

The amount of memory used on the vcenter.

Count

vcenter.cpu.hz

The clock rate of the CPU.

Count

vcenter.cpu.used.hz

The used clock rate of the CPU.

Count

vcenter.nodes

The count of nodes.

Count

vcenter.connected.nodes

Count

vcenter.disconnected.nodes

Count

vcenter.resource.pools

The count of resource pools in the vcenter.

Count

vcenter.virtual.machines

The count of virtual machines on the vcenter.

Count

vcenter.networks

Count

vcenter.node

The name of the node.

Count or string?

vcenter.node.ip

The IP address of the node.

Count

vcenter.node.cluster.name

The name of the cluster to which the node belongs.

Count

vcenter.node.power.state

The power state of the node.

Count or string?

vcenter.node.memory.used.bytes

The amount of used memory on the node.

Bytes

vcenter.node.memory.bytes

The total memory on the node.

Bytes

vcenter.node.memory.free.bytes

The amount of used memory on the node.

Bytes

vcenter.node.cpu.used.hz

The used clock rate of the CPU on the node.

Count

vcenter.node.virtual.machines

The count of virtual machines on the node.

Count

vcenter.node.running.virtual.machines

The count of running virtual machines on the node.

Count

vcenter.vm

The name of the virtual machine.

Count

vcenter.vm.power.state

The power state of the virtual machine.

Count

vcenter.vm.ip

The IP address of the virtual machine.

Count

vcenter.vm.memory.used.percent

The percentage of used memory out of the total memory on the virtual machine.

Count

vcenter.vm.cpu.percent

The CPU utilization of the virtual machine.

Percentage

Vcenter Cluster

â€‹

Metrics

Description

Type

vcenter.cluster

The name of the cluster.

String

vcenter.cluster.datacenter.name

The name of the datacenter.

String

vcenter.cluster.cpu.cores

The count of CPU cores in the cluster.

Count

vcenter.cluster.cpu.threads

The count of threads in the CPU.

Count

vcenter.cluster.memory.installed.bytes

The memory installed in a vcenter cluster.

Count

vcenter.cluster.cpu.hz

The clock rate of the CPU on the cluster.

Count

vcenter.cluster.hosts

The count of hosts in the cluster.

Count

vcenter.cluster.memory.used.bytes

The amount of used memory on the cluster.

Count

vcenter.cluster.memory.free.bytes

The amount of free memory on the cluster.

Count

vcenter.cluster.memory.used.percent

The percentage of used memory out of total memory on the cluster.

Count

vcenter.cluster.cpu.percent

The CPU utilisation of the cluster.

Count

vCenter Datacenter

Metrics

Description

Type

vcenter.data center.memory.installed.bytes

The memory installed in a data center.

Bytes

vcenter.data center.cpu.hz

The clock rate of the CPU on the data center.

Hertz

vcenter.data center.memory.used.bytes

The amount of used memory on the data center.

Bytes

vcenter.data center.memory.free.bytes

The amount of free space on the data center.

Bytes

vcenter.data center.memory.used.percent

The percentage of used memory out of the total memory on the data center.

Percentage

vcenter.data center.cpu.percent

The CPU utilisation of data center.

Percentage

vcenter.datacenter

The name of the datacenter.

String

vCenter Datastore

â€‹

Metrics

Description

Type

vcenter.datastore.free.bytes

The total amount of free space available on the datastore.

Bytes

vcenter.datastore.capacity.bytes

The capacity of the datastore.

Bytes

vcenter.datastore.used.bytes

The total amount of space used on a datastore.

Bytes

vcenter.datastore.used.percent

The percentage of used space out of the total space on the datastore.

Percentage

vcenter.datastore

The name of the datastore.

String

Page Title: watchguard-firewall

On this page

WatchGuard

Overview

â€‹

WatchGuard Firewall, the advanced and reliable firewall solutions by WatchGuard Technologies, seamlessly integrate with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and security of their WatchGuard Firewalls. Monitor critical firewall metrics such as traffic patterns, connection status, and threat activity to ensure a secure and protected network environment.

Motadata AIOps empowers businesses to proactively detect potential security breaches, troubleshoot firewall issues, and optimize WatchGuard Firewall configurations for improved protection. Receive instant alerts for suspicious activities, intrusion attempts, or policy violations, allowing prompt action to mitigate potential threats.

Prerequisites

â€‹

Refer

Adding network devices for monitoring

 to understand the prerequisites necessary for monitoring a network device.

List of Supported KPIs

â€‹

Metrics	Description	Type
ping.min.latency.ms	Minimum latency (in milliseconds) observed during ping	

Count

ping.received.packets

Number of packets received during ping

Count

ping.lost.packets

Number of packets lost during ping

Count

ping.max.latency.ms

Maximum latency (in milliseconds) observed during ping

Count

object.target

Target object identifier

String

ping.sent.packets

Number of packets sent during ping

Count

ping.packet.lost.percent

Percentage of packet loss during ping

Percent

ping.latency.ms

Average latency (in milliseconds) observed during ping

Count

system.oid

System Object Identifier

String

started.time.sec

Uptime in Seconds for the monitor

Count

started.time

Uptime of the monitor

String

object.name

Name of the monitor

String

system.location

Location of the monitor

String

system.description

Description of the monitor

String

correlation.metrics

Correlation metrics between network connections

String

network.connection.tcp.connections

Number of TCP connections

Count

network.connection.udp.connections

Number of UDP connections

Count

network.connection.udp.error.segments

Number of UDP error segments

Count

network.connection.tcp.error.segments

Number of TCP error segments

Count

network.connection.tcp.retransmitted.segments

Number of TCP retransmitted segments

Count

destination.ip

Destination IP address

String

destination.port

Destination port number

Count

network.connection.protocol

Protocol used for network connection

Count

network.connection.state

State of the network connection

String

source.ip

Source IP address

String

source.port

Source port number

Count

interface.sent.discard.packets

Number of discarded packets sent on the interface

Count

interface.in.packets

Number of incoming packets on the interface

Count

interface.packets

Number of packets on the interface

Count

interface.error.packets

Number of error packets on the interface

Count

interface.sent.error.packets

Number of error packets sent on the interface

Count

interface.received.discard.packets

Number of discarded packets received on the interface

Count

interface.received.octets

Number of octets received on the interface

Count

interface.bit.type

Bit type of the interface

Count

status

Status of the interface

String

interface.out.packets

Number of outgoing packets on the interface

Count

interface.operational.status

Operational status of the interface

String

interface.admin.status

Admin status of the interface

Count

interface.sent.octets

Number of octets sent on the interface

Count

interface.last.change

Last change of the interface

String

interface.received.error.packets

Number of error packets received on the interface

Count

interface.discard.packets

Number of discarded packets on the interface

Count

started.time

Uptime of the interface

String

started.time.sec

Uptime in seconds of the interface

String

system.cpu.percent

The percentage of CPU utilization on the SNMP device.

Percentage

system.1min.avg.cpu.percent

The 1-minute average percentage of CPU utilization.

Percentage

system.5min.avg.cpu.percent

The 5-minute average percentage of CPU utilization.

Percentage

system.15min.avg.cpu.percent

The 15-minute average percentage of CPU utilization.

Percentage

system.active.connections

The number of active connections on the SNMP device.

Count

system.os.version

The operating system version running on the SNMP device.

String

tunnel.life.time.sec

The lifetime duration of the tunnel in seconds.

Count

tunnel.active.time.sec

The time duration that the tunnel has been active in seconds.

Count

tunnel

The identifier or name of the tunnel.

String

tunnel.source.ip.address

The source IP address of the tunnel.

String

tunnel.out.traffic.bytes.rate

The rate of outgoing traffic in bytes per second through the tunnel.

Count

tunnel.in.traffic.bytes.rate

The rate of incoming traffic in bytes per second through the tunnel.

Count

tunnel.destination.ip.address

The destination IP address of the tunnel.

String

tunnel.name

The name or label assigned to the tunnel.

String

tunnel.status

The current status of the tunnel.

String

remote.vpn.active.connections

The number of active VPN connections from remote clients.

Count

remote.vpn.client.in.traffic.bytes.rate

The incoming traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.out.traffic.bytes.rate

The outgoing traffic rate in bytes per second for VPN clients.

Count

remote.vpn.client.protocol

The communication protocol used by the VPN client.

String

remote.vpn.client.encryption.algorithm

The encryption algorithm used by the VPN client.

String

remote.vpn.client

The identifier or name of the remote VPN client.

String

remote.vpn.client.duration.sec

The duration of the VPN client connection in seconds.

Count

remote.vpn.client.app.version

The version of the VPN client application.

String

remote.vpn.client.duration

The duration of the VPN client connection.

String

remote.vpn.client.status

The status of the VPN client connection.

String

remote.vpn.user.group

The user group associated with the remote VPN client.

String

remote.vpn.client.app

The application name of the remote VPN client.

String

Page Title: wildfly

On this page

Wildfly

Overview

â€‹

WildFly, a robust and open-source Java application server that seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their WildFly servers. Monitor critical server metrics such as request rates, response times, and JVM (Java Virtual Machine) statistics to ensure optimal application performance.

Supported Versions

â€‹

Versions

4

5

7.1.6

7.2

9.0.2

10

Prerequisites for WildFly Integration with Motadata AIOps

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Ensure that the JBOSS version is greater than 8.0.

Ensure that the WildFly port (default: 9590) is open for the Motadata AIOps server.

Confirm that the WildFly process and service are listed in the process and monitor settings of Motadata AIOps. While these may be listed by default, ensure that the names of the service and process match the specific WildFly version that you intend to monitor.

Ensure SSH root access or a normal SSH user with sudo privileges for server access.

For agentless monitoring, ensure that the user has the required access for remote access to the WildFly server. For agent-based monitoring, this is not required.

Confirm that the WildFly service is active and running on the server.

Ensure that either HTTP or HTTPS are supported on the WildFly server.

Ensure you have the necessary credentials, including the username and password, for Motadata AIOps to connect to the WildFly server.

By following these prerequisites, you can integrate WildFly with Motadata AIOps and ensure the smooth functioning of the monitoring process.

List of Supported KPIs

‹

Name

Description

Type

wildfly.thread.pool.used.percent

The percentage of used threads in the Wildfly request pool.

Count

system.tags

The system tags associated with the Wildfly instance.

String

wildfly.version

The version of Wildfly installed.

String

wildfly.installation.mode

The installation mode of Wildfly (e.g., standalone, domain).

String

wildfly.running.mode

The running mode of Wildfly (e.g., standalone, domain).

String

wildfly.server.state

The current state of the Wildfly server.

String

wildfly.threads

The total number of threads in the Wildfly instance.

Count

wildfly.loaded.classes

The number of loaded classes in the Wildfly instance.

Count

wildfly.unloaded.classes

The number of unloaded classes in the Wildfly instance.

Count

wildfly.compilation.time.ms

The time taken for compilation in milliseconds in Wildfly.

Count

wildfly.collections

The number of garbage collections performed in Wildfly.

Count

wildfly.collections.time.ms

The time taken for garbage collections in milliseconds in Wildfly.

Count

wildfly.transactions

The total number of transactions in Wildfly.

Count

wildfly.committed.transactions

The number of committed transactions in Wildfly.

Count

wildfly.rolledback.transactions

The number of rolled-back transactions in Wildfly.

Count

wildfly.application.rolledback.transactions

The number of application-level rolled-back transactions in Wildfly.

Count

wildfly.heuristic.transactions

The number of heuristic transactions in Wildfly.

Count

wildfly.nested.transactions

The number of nested transactions in Wildfly.

Count

wildfly.resource.rolledback.transactions

The number of resource-level rolled-back transactions in Wildfly.

Count

wildfly.running.transactions

The number of currently running transactions in Wildfly.

Count

wildfly.timedout.transactions

The number of timed-out transactions in Wildfly.

Count

wildfly.heap.memory.used.bytes

The amount of heap memory used in bytes in Wildfly.

Count

wildfly.heap.memory.used.percent

The percentage of heap memory used in Wildfly.

Count

wildfly.non.heap.memory.used.bytes

The amount of non-heap memory used in bytes in Wildfly.

Count

wildfly.non.heap.memory.used.percent

The percentage of non-heap memory used in Wildfly.

Count

wildfly.rejected.sessions

The number of rejected sessions in Wildfly.

Count

wildfly.created.sessions

The number of created sessions in Wildfly.

Count

wildfly.expired.sessions

The number of expired sessions in Wildfly.

Count

wildfly.active.sessions

The number of active sessions in Wildfly.

Count

wildfly.sent.bytes.rate

The rate of bytes sent in Wildfly.

Count

wildfly.received.bytes.rate

The rate of bytes received in Wildfly.

Count

wildfly.errors

The number of errors encountered in Wildfly.

Count

wildfly.request.latency.ms

The latency of requests in milliseconds in Wildfly.

Count

started.time

The uptime of the system in string format.

String

started.time.sec

The uptime of the system in seconds.

Count

wildfly.requests.rate

The rate of requests in Wildfly.

Count

wildfly.jdbc.pool.available.connections

The number of available connections in the JDBC pool.

Count

wildfly.jdbc.pool.created.connections

The number of created connections in the JDBC pool.

Count

wildfly.jdbc.pool.destroyed.connections

The number of destroyed connections in the JDBC pool.

Count

wildfly.jdbc.pool.connections

The total number of connections in the JDBC pool.

Count

wildfly.jdbc.pool.used.connections

The number of used connections in the JDBC pool.

Count

wildfly.thread.pool

The name of the Wildfly thread pool.

String

wildfly.thread.pool.threads

The number of threads in the Wildfly thread pool.

Count

wildfly.thread.pool.max.threads

The maximum number of threads allowed in the thread pool.

Count

wildfly.thread.pool.busy.threads

The number of currently busy threads in the thread pool.

Count

wildfly.thread.pool.idle.threads

The number of currently idle threads in the thread pool.

Count

Page Title: windows

â€‹

The Windows integration in Motadata AIOps allows comprehensive monitoring of Windows-based devices and servers. This integration enables real-time analysis of critical performance metrics, system health, and event logs from Windows machines. By gathering valuable insights into Windows infrastructure, users can proactively identify potential issues, optimize resource utilization, and ensure smooth and efficient operations.

Prerequisites

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Kindly refer the prerequisites for

Adding Windows Servers for Monitoring here.

List of Supported KPIs

â€‹

Windows

â€‹

Metrics	Description	Type
system.network.output.queue.length	the number ofÂ network packetsÂ in the output packet queue.	Count
uptime.sec		Count

system.network.out.packets.per.sec

the number of packets being transferred out of the device per second.

Count

system.disk.io.write.bytes.per.sec

The bytes transferred per second writing to the disk.

Rate

system.cpu.idle.percent

The percentage of time a CPU has spent in the idle state.

Percentage

system.disk.used.bytes

The total amount of used disk space on a system.

Bytes

system.memory.free.percent

The percentage of free RAM out of total RAM.

Percentage

system.serial.number

The serial number of the device.

String

system.logical.processors

the number of logical processors on the device CPU.

Count

system.virtual

No€™, if the system is not virtual. â€˜Yesâ€™, if the system is virtual.

String

system.cache.memory.bytes

The amount of the RAM used as cache memory.

Bytes

system.disk.io.time.percent

The percentage of time spent reading or writing to the disk.

Percentage

system.os.name

The name of the operating system on the device.

String

system.disk.io.write.ops.per.sec

The writing operations per second to the disk.

Rate

system.network.bytes.per.sec

The number of bytes per second sent or received for a device.

Rate

system.memory.used.percent

The percentage of used RAM out of the total RAM.

Percentage

system.model

The model of the device.

system.disk.io.bytes.per.sec

The amount of bytes transferred per second in I/O operations to and from the disk.

Rate

system.memory.available.bytes

The amount of free RAM.

Count

system.cpu.interrupt.percent

The percentage of time the CPU has spent servicing hardware interrupts

Percentage
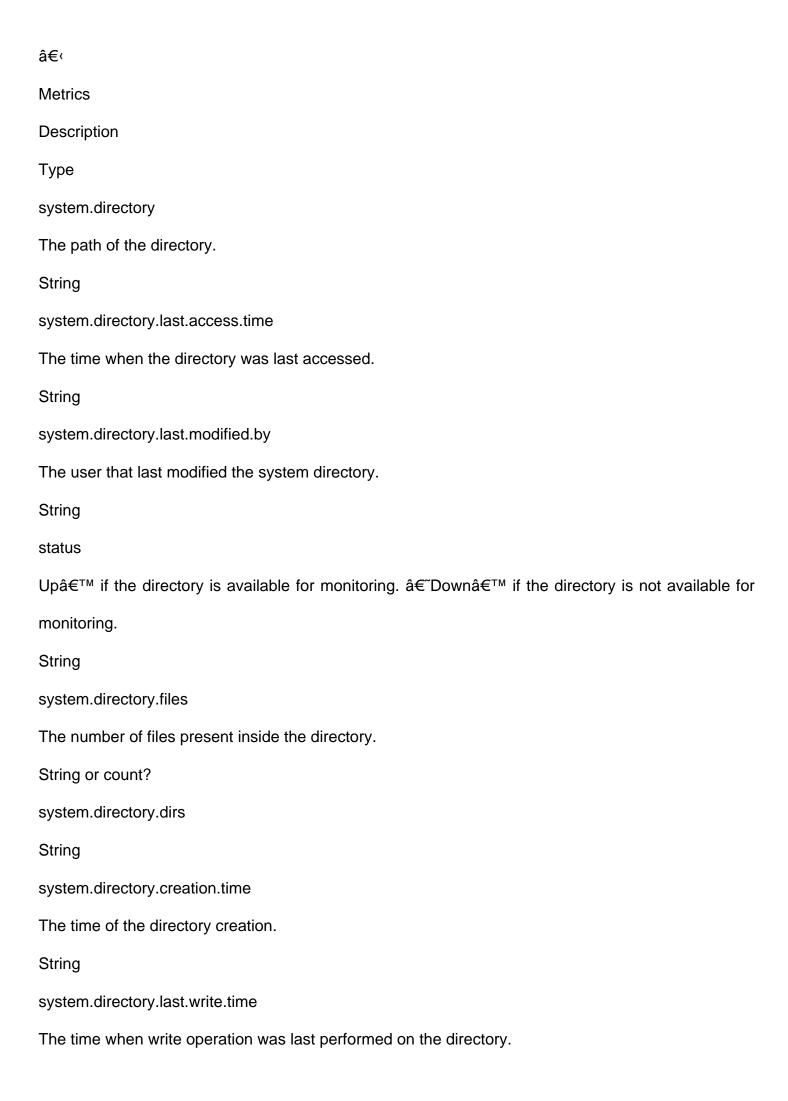
system.network.out.bytes.per.sec

The number of bytes per second being sent out of an interface.

Rate

system.memory.used.bytes

The total amount of used RAM on a system.

Bytes

system.network.error.packets

The total number of error packets in a network.

Count

system.cpu.description

The description of the CPU.

String

system.os.service.pack

The service pack of the operating system.

String

system.interrupts.per.sec

The number of CPU interrupts per second.

Rate

system.memory.committed.bytes

The amount of committed virtual memory on the RAM.

Bytes

system.disk.free.percent

The percentage of free disk space out of the total disk space in the system.

Percentage

system.disk.used.percent

The percentage of used disk space out of the total disk space on a system.

Percentage

system.network.tcp.connections

The total number of TCP connections.

Count

system.context.switches.per.sec

The number of context switches per second.

Rate

system.disk.io.read.ops.per.sec

The number of read operations per second from the disk.

Rate

system.disk.capacity.bytes

The capacity of the disk.

Bytes

system.cpu.type

The type of the CPU.

String

system.vendor

The vendor name of the device.

String

system.name

The name of the system.

String

system.threads

The number of threads used by this process.

Count

system.processor.queue.length

The number of threads that are delayed in the processor ready queue and are waiting to be executed.

Count

system.disk.free.bytes

The total amount of free disk space available on a system.

Bytes

system.memory.installed.bytes

Bytes

system.disk.io.ops.per.sec

The number of read-write operations per second on the device.

Rate

system.disk.io.idle.time.percent

The percentage of time the CPU was idle while having pending disk I/O requests.

Percentage

system.memory.free.bytes

The total amount of free RAM space on a system.

Bytes

system.pages.per.sec

The number of pages per second written or read to the disk

Rate

uptime

system.disk.io.read.bytes.per.sec

The number of bytes transferred per second while reading from the disk.

Rate

system.cpu.user.percent

The percentage of time the CPU spent running user space processes.

Percentage

system.cpu.percent

The percentage of a CPU being utilized at a particular instance.

Percentage

system.pages.faults.per.sec

The number of page faults per second.

Rate

system.network.tcp.retransmissions

The count of lost or damaged packets that were resent over the network.

Count

system.os.version

The version of the operating system.

Count

system.physical.processors

The count of physical processors on the system.

Count

system.running.processes

The count of running processes on the system.

Count

system.disk.io.queue.length

The queue length of IO requests issued to your device.

Count

system.cpu.cores

The number of CPU cores on your host.

Count

system.non.paged.memory.bytes

The space allocated as non-paged memory on the RAM.

Bytes

system.paged.memory.bytes

The space allocated as paged memory on the RAM.

Bytes

system.network.in.packets.per.sec

the number of packets per second transferred into a device.

Rate

system.network.in.bytes.per.sec

Bytes per second transferred into a device.

Rate

Windows CPU Core

â€‹

Metrics

Description

Type

system.cpu.core

This metric is used to identify the core.

String

system.cpu.core.user.percent

The percentage of CPU core being utilized by the user.

Percentage

system.cpu.core.percent

The percentage of CPU core being utilized.

Percentage

system.cpu.core.interrupt.percent

The percentage of time the CPU core has spent servicing hardware interrupts.

Percentage

system.cpu.core.idle.percent

The percentage of time the CPU core has spent idle.

Percentage

Windows Directory

‹

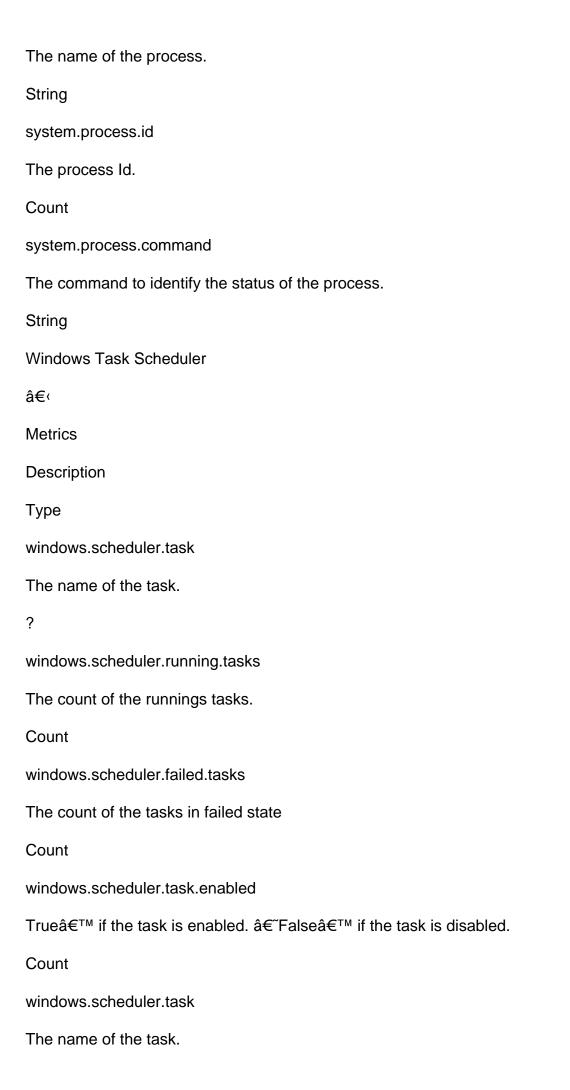| Metrics	Description	Type
system.directory	The path of the directory.	String
system.directory.last.access.time	The time when the directory was last accessed.	String
system.directory.last.modified.by	The user that last modified the system directory.	String
status	'Up' if the directory is available for monitoring. 'Down' if the directory is not available for monitoring.	String
system.directory.files	The number of files present inside the directory.	String or count?
system.directory.dirs		String
system.directory.creation.time	The time of the directory creation.	String
system.directory.last.write.time	The time when write operation was last performed on the directory.	

String

system.directory.size.bytes

The size of the directory

Bytes

system.directory.owner

The owner of the directory.

String

Windows Disk

Metrics

Description

Type

system.disk

The label of the disk volume.

system.disk.volume

The label of the disk volume.

String

system.disk.read.bytes.per.sec

The bytes transferred reading from the disk per second.

Rate

system.disk.write.bytes.per.sec

The bytes transferred writing to the disk per second.

Rate

system.disk.bytes.per.sec

The bytes transferred doing I/O operations to and from the disk per second.

Count

system.disk.write.ops.per.sec

The writing operations performed on the disk per second.

Count

system.disk.write.time.percent

The percentage of time taken while writing to the disk.

String

system.disk.queue.length

The queue length of IO requests issued to your device.

String

system.disk

The label of the disk volume.

String

system.disk.read.ops.per.sec

The reading operations performed on the disk per second.

Rate

system.disk.ops.per.sec

The I/O operations per second on the disk.

Rate

system.disk.read.time.percent

The percentage of time taken while writing to the disk.

String

system.disk.time.percent

The percentage of time spent doing I/O operations on the disk.

String

system.disk.volume

The label of the disk volume.

String

system.disk.volume.free.bytes

The amount of free disk space.

Bytes

system.disk.volume.used.bytes

The amount of used disk space.

Bytes

system.disk.volume.capacity.bytes

The capacity of the disk.

Bytes

system.disk.volume.used.percent

The percentage of used disk space out of the total disk space on a system.

Percent

system.disk.volume.free.percent

The percentage of free disk space out of the total disk space on a system.

Percent

Windows File

â€‹

Metrics

Description

Type

system.file

The name and path of the file.

String

system.file.creation.time

The time at which the file was created

String

system.file.last.access.time

The time at which the file was last accessed.

String

system.file.owner

The user that created the file.

String

system.file.last.write.time

The time at which the last writing operation was performed on the file.

String

system.file.last.modified.by

The user that last modified the file.

String

system.file.size.bytes

Total size of the file

Bytes

system.file.directory

The name of the directory to which the file belongs.

String

status

The status of the file for monitoring. The value is 'Up' if the file is available and 'down' if the file is not available.

String

Windows Service

‹

Metrics

Description

Type

system.service.display.name

The display name of the service.

String

system.service

The system service.

system.service.description

The description of the service.

String

system.service.status

The status of the service.

String

system.service.startup.type

Auto' if the service starts running on system startup. 'Manual' if the service has to be manually started by the user.

String

status

The status of the service for monitoring. The value is 'Up' if the file is available and 'down' if the file is not available.

String

Windows Process

‹

Metrics

Description

Type

system.process

The name of the process

String

system.process.handles

The number of handles used by a process.

String or Count?

system.process.memory.used.bytes

The total space used in a RAM by a process.

Bytes

system.process.io.bytes.per.sec

The bytes transferred per second doing I/O operations to or from the disk for a process.

Rate

system.process.uptime

The total time for which the process is in running state.

Count

system.process.io.ops.per.sec

The count of I/O operations to or from the disk for a process.

Count

system.process.threads

The number of threads used by this process.

Count

system.process.cpu.percent

The CPU utilization of a process.

Percentage

status

The status of the process. The value is â€˜Upâ€™ if the process is available and â€˜downâ€™ if the process is not available.

String

system.process.virtual.memory.bytes

The total amount of virtual memory used by a process.

Bytes

system.process.name

The name of the process.

String

system.process.id

The process Id.

Count

system.process.command

The command to identify the status of the process.

String

Windows Task Scheduler

â€‹

Metrics

Description

Type

windows.scheduler.task

The name of the task.

?

windows.scheduler.running.tasks

The count of the runnings tasks.

Count

windows.scheduler.failed.tasks

The count of the tasks in failed state

Count

windows.scheduler.task.enabled

Trueâ€™ if the task is enabled. â€˜Falseâ€™ if the task is disabled.

Count

windows.scheduler.task

The name of the task.

String

windows.scheduler.task.last.runtime

The time at which the task started its last run.

String

windows.scheduler.task.next.runtime

The time at which the task will start its next run.

String

windows.scheduler.task.state

The state of the task. The possible values are : 'Unknown', 'Disabled', 'Queued', 'Ready', 'Running'.

String

windows.scheduler.task.status.code

The status code of the task

String

windows.scheduler.task.result.code

The code of the end result of the task.

Count

windows.scheduler.task.state.code

"The state code of the task. The possible values and their meaning are: 0 State = 'Unknown', 1 State = 'Disabled', 2 State = 'Queued', 3 State = 'Ready', 4 State = 'Running'

Count

windows.scheduler.task.missed.runs

The count of the missed task runs.

Count

windows.scheduler.task.result

The description of the end result of the task

String

Windows Network Interface

â€‹

Metrics

Description

Type

system.network.interface

The name of the interface

String

system.network.interface.in.bytes.per.sec

Bytes transferred into an interface per second.

Count

system.network.interface.output.queue.length

the number of network packets in the output packet queue for an interface.

Count

system.network.interface.in.packets.per.sec

the number of packets transferred into an interface per second.

Count

system.network.interface.out.packets.per.sec

the number of packets transferred out of an interface per second.

Count

system.network.interface.bytes.per.sec

The number of bytes sent or received for an interface per second.

Count

List of Supported KPI's through agents

[For Windows and Linux]

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Page Title: windows-cluster

On this page

Windows Cluster

Overview

â€‹

The Windows Cluster integration in Motadata AIOps enables monitoring and management of Windows server clusters. By seamlessly integrating with Windows Failover Clustering technology, this feature ensures continuous availability and enhanced fault tolerance of critical applications and services. Administrators can closely monitor cluster health, failover events, and resource utilization to promptly respond to any potential disruptions, providing a robust and reliable infrastructure for their organization.

Prerequisites

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If the server is part of a domain, you'll need to have credentials of a user that is a member of the domain admin group. For standalone servers, you'll need credentials of a user that is part of the local administrator group.

To ensure proper connectivity, it's important to allow traffic through firewall ports 5985 and 5986. Enable ICMP protocol on both ports to monitor availability via ping check.

Before integrating the Windows Server with the AIOPS product, some WinRM configurations need to be done. To do this, log in with the user for whom you'll be performing the discovery, open the command prompt as an administrator, and run the following commands:

winrm set winrm/config/service/Auth @{Basic="true"}

winrm set winrm/config/service @{AllowUnencrypted="true"}

winrm set winrm/config/winrs @{MaxMemoryPerShellMB="1024"}

winrm set winrm/config/client/Auth @{Basic="true"}

winrm set winrm/config/client @{AllowUnencrypted="true"}

winrm set winrm/config/winrs @{MaxProcessesPerShell="2147483647"}

winrm set winrm/config/winrs @{MaxConcurrentUsers="100"}

winrm set winrm/config/service @{MaxConnections="50"}

winrm set winrm/config/winrs @{MaxShellsPerUser="2147483647"}

winrm set winrm/config/service @{MaxConcurrentOperationsPerUser="4294967295"}

net stop winrm

net start winrm

Confirm that the Windows Cluster service is running on the specified server.

List of Supported KPIs

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Windows Cluster

â€‹

Metrics

Description

Type

windows.cluster.online.resource.groups

This monitor returns the number of online cluster resource groups on this node.

Count

windows.cluster.offline.resource.groups

This monitor returns the number of offline cluster resource groups on this node.

Count

windows.cluster.rhs.restarts

This monitor returns the number of resource host subsystem process (rhs.exe) restarts.

Count

windows.cluster.rhs.processes

This monitor returns the number of running resource host subsystem processes (rhs.exe).

Count

windows.cluster.network

The name of the network.

String

windows.cluster.ip

The IP address of a Windows cluster

Count

windows.cluster.online.resources

The count of online resources in a Windows cluster

Count

windows.cluster.sent.messages.per.sec

The cluster messages sent per second over the network.

Rate

windows.cluster.online.groups

The number of online cluster resource groups on this node.

Count

windows.cluster.node.network

The name of the node network.

String

windows.cluster.networks

String

windows.cluster.nodes

The count of nodes in a Windows cluster.

Count

windows.cluster.sent.messages

The count of messages sent over the network in a Windows cluster.

Count

windows.cluster.resource

The count of resources in a Windows cluster.

Count

windows.cluster.quorum.resource

The name of the quorum resource in a Windows cluster

String

windows.cluster.disk.used.bytes

The space used out of the allocated space to the Windows cluster.

Bytes

windows.cluster.offline.resources

The count of offline resources in a Windows cluster

Count

windows.cluster.node

The name of the node on the windows cluster.

String

windows.cluster.outstanding.messages

The count of outstanding messages in cluster MRR.

Count

windows.cluster.quorum.type

String

windows.cluster.quorum.path

The path where the quorum is located on the cluster

String

windows.cluster.disk.capacity.bytes

The space allocated to the windows cluster on the disk

Bytes

windows.cluster.disk.free.bytes

The free space out of the allocated windows cluster space on the disk.

Bytes

windows.cluster.disk.used.percent

The percentage of space used out of the allocated space to the Windows cluster

Percentage

windows.cluster.network

The name of the network.

String

windows.cluster.unacknowledged.message.queue.length

The count of messages that have been sent over the cluster but no acknowledgment has been received for the same.

Count

windows.cluster.normal.messages.per.sec

Count

windows.cluster.normal.message.queue.length

Count

windows.cluster.network.received.bytes.per.sec

The bytes transferred into a Windows cluster per second.

Rate

windows.cluster.network.received.bytes

The amount of bytes transferred into a Windows cluster network.

Bytes

windows.cluster.network.sent.bytes

The amount of bytes transferred out of the Windows cluster network.

Bytes

windows.cluster.network.sent.messages.per.sec

The count of messages sent out of the windows cluster network per second.

Count

windows.cluster.network.reconnects

The number of attempts made to reconnect to the cluster network.

Count

windows.cluster.unacknowledged.messages.per.sec

Count

windows.cluster.urgent.messages.per.sec

Count

Windows Cluster Disk

â€‹

Metrics

Description

Type

windows.cluster.disk.volume.owner.node

The owner node of the disk volume.

String

windows.cluster.disk.volume.state

String

windows.cluster.disk.volume.type

The type of the disk volume.â€™Physical Diskâ€™ if the disk volume is a physical disk. â€˜Virtual

Diskâ€™ if the disk volume is a virtual disk.

String

windows.cluster.disk.volume

The name of the disk volume.

String

windows.cluster.disk.volume.file.system

The file system of the disk volume.

String

windows.cluster.disk.volume.label

The label of the disk volume.

String

windows.cluster.disk.volume.used.percent

The percentage of disk volume used.

Percentage

windows.cluster.disk.volume.used.bytes

The amount of used space in the disk volume.

Bytes

windows.cluster.disk.volume.free.bytes

The amount of free space in the disk volume.

Bytes

windows.cluster.disk.volume.capacity.bytes

The total capacity of the disk volume

Bytes

windows.cluster.disk.volume.cluster.shared

'True' if the disk volume is shared with other nodes. 'False' if the disk volume is not shared with other nodes.

String

Page Title: windows-dhcp

Windows DHCP

Overview

â€‹

Windows DHCP, the dynamic host configuration protocol service on Windows-based systems, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Windows DHCP servers. Monitor critical DHCP metrics such as lease activity, IP address allocation, and server response times to ensure efficient and reliable IP address management.

Supported Versions

â€‹

Versions

6.3

Prerequisites for Microsoft Windows DHCP Integration with Motadata AIOps

â€‹

Obtain the server credentials required for discovering the Windows DHCP server.

Ensure that the user has administrator privileges on the Windows DHCP server.

Ensure that the Microsoft Windows DHCP service is active and running on the server.

Confirm that the Microsoft Windows DHCP process and service are listed in the process and service monitor settings of Motadata AIOps. While these may be listed by default, verify that the names of the service and process match the specific Microsoft Windows DHCP version that you intend to monitor.

By meeting these prerequisites, you can integrate Microsoft Windows DHCP with Motadata AIOps and enable effective monitoring and management of your Microsoft Windows DHCP server.

List of Supported KPIs

â€‹

Name

Description

Type

windows.dhcp.ip.addresses

The total number of IP addresses assigned by the Windows DHCP

Count

windows.dhcp.acks

The number of DHCP acknowledgment messages received by the server

Count

windows.dhcp.requests

The number of DHCP request messages received by the server

Count

windows.dhcp.available.ip.addresses

The number of available IP addresses in the DHCP address pool

Count

windows.dhcp.naks

The number of DHCP negative acknowledgment messages received

Count

windows.dhcp.delay.config.scopes

The number of DHCP scopes with a delayed configuration

Count

windows.dhcp.delay.offer.scopes

The number of DHCP scopes with a delayed offer

Count

windows.dhcp.offers

The number of DHCP offer messages sent by the server

Count

windows.dhcp.ip.address.pool.free.percent

The percentage of free IP addresses in the DHCP address pool

Count

windows.dhcp.releases

The number of IP address releases from DHCP clients

Count

windows.dhcp.offer.pending.percent

The percentage of DHCP offers pending to be sent by the server

Count

windows.dhcp.discovers

The number of DHCP discover messages received by the server

Count

windows.dhcp.used.ip.addresses

The number of IP addresses currently in use by DHCP clients

Count

windows.dhcp.delayed.offers

The number of DHCP offers that were delayed for transmission

Count

windows.dhcp.ip.address.scopes

The number of DHCP scopes defined in the DHCP server

Count

windows.dhcp.pending.offers

The number of DHCP offers pending to be sent to clients

Count

windows.dhcp.declines

The number of DHCP decline messages received by the server

Count

windows.dhcp.ip.address.pool.utilization.percent

The percentage of utilized IP addresses in the DHCP address pool

Count

started.time.sec

The uptime duration in seconds

Count

started.time

The uptime duration as a string

String

windows.dhcp.acks

The number of DHCP acknowledgment messages received by the server

Count

windows.dhcp.requests

The number of DHCP request messages received by the server

Count

windows.dhcp.available.ip.addresses

The number of available IP addresses in the DHCP address pool

Count

windows.dhcp.naks

The number of DHCP negative acknowledgment messages received

Count

windows.dhcp.offers

The number of DHCP offer messages sent by the server
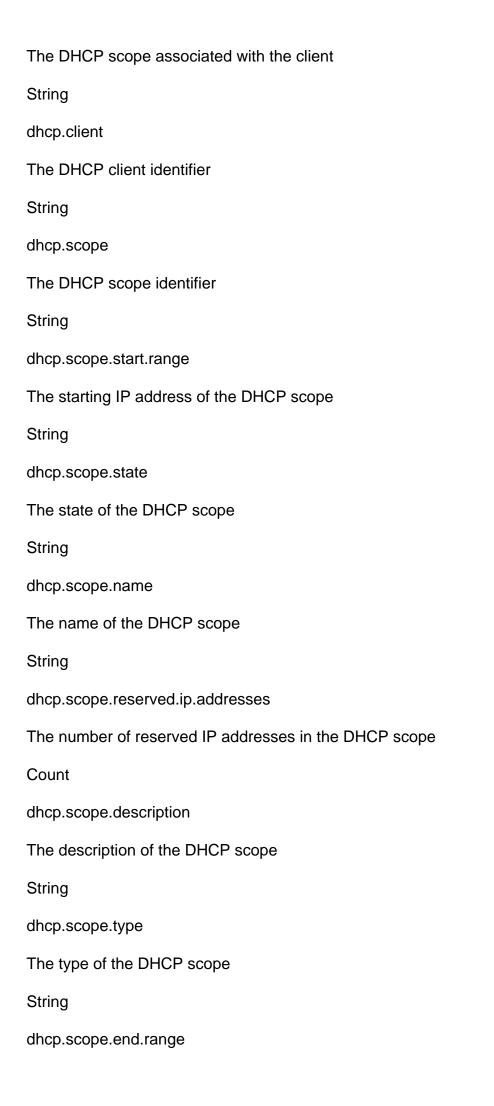
Count

windows.dhcp.releases

The number of IP address releases from DHCP clients

Count

windows.dhcp.discovers

The number of DHCP discover messages received by the server

Count

windows.dhcp.used.ip.addresses

The number of IP addresses currently in use by DHCP clients

Count

windows.dhcp.delayed.offers

The number of DHCP offers that were delayed for transmission

Count

windows.dhcp.ip.address.scopes

The number of DHCP scopes defined in the DHCP server

Count

windows.dhcp.delay.config.scopes

The number of DHCP scopes with a delayed configuration

Count

windows.dhcp.pending.offers

The number of DHCP offers pending to be sent to clients

Count

windows.dhcp.declines

The number of DHCP decline messages received by the server

Count

dhcp.scope

The DHCP scope identifier

String

dhcp.scope.start.range

The starting IP address of the DHCP scope

String

dhcp.scope.utilization.percent

The percentage of IP addresses in use in the DHCP scope

Count

dhcp.scope.state

The state of the DHCP scope

String

dhcp.scope.name

The name of the DHCP scope

String

dhcp.scope.maxbootp.clients

The maximum number of BOOTP clients allowed in the scope

Count

dhcp.scope.used.ip.addresses

The number of IP addresses currently in use in the scope

Count

dhcp.scope.nap.enabled

Indicates whether NAP (Network Access Protection) is enabled for the scope

String

dhcp.scope.reserved.ip.addresses

The number of reserved IP addresses in the DHCP scope

Count

dhcp.scope.description

The description of the DHCP scope

String

dhcp.scope.lease.duration

The duration of IP address leases in the DHCP scope

String

dhcp.scope.used.ip.addresses.of.current.server

The number of IP addresses in use by the current DHCP server for the scope

Count

dhcp.scope.superscope

The superscope that the DHCP scope belongs to

String

dhcp.scope.activated.policies

The policies activated for the DHCP scope

String

dhcp.scope.type

The type of the DHCP scope (e.g., Subnet, Multicast)

String

dhcp.scope.end.range

The ending IP address of the DHCP scope

String

dhcp.scope.available.ip.addresses

The number of available IP addresses in the DHCP scope

Count

dhcp.scope.available.ip.addresses.of.partner.server

The number of available IP addresses in the partner server for the scope

Count

dhcp.scope.free.percent

The percentage of free IP addresses in the DHCP scope

Count

dhcp.scope.used.ip.addresses.of.partner.server

The number of IP addresses in use by the partner server for the DHCP scope

Count

dhcp.scope.available.ip.addresses.of.current.server

The number of available IP addresses on the current server for the DHCP scope

Count

dhcp.scope.subnet.mask

The subnet mask used for the DHCP scope

String

dhcp.scope.delay.ms

The delay in milliseconds for DHCP operations

Count

dhcp.scope.nap.profile

The NAP (Network Access Protection) profile for the DHCP scope

String

dhcp.scope.pending.offers

The number of pending DHCP offers in the scope

Count

dhcp.range.policy

The DHCP range policy identifier

Count

dhcp.range.policy.end.range

The ending IP address of the DHCP range policy

Count

dhcp.range.policy.scope

The DHCP scope associated with the range policy

Count

dhcp.range.policy.start.range

The starting IP address of the DHCP range policy

Count

dhcp.client.type

The type of DHCP client

Count

dhcp.client.description

The description of the DHCP client

Count

dhcp.client.name

The name of the DHCP client

Count

dhcp.client.ip.address

The IP address of the DHCP client

Count

dhcp.client.scope

The DHCP scope associated with the client

Count

dhcp.client

The DHCP client identifier

Count

dhcp.client.type

The type of the DHCP client

String

dhcp.client.ip.address

The IP address of the DHCP client

String

dhcp.client.scope

The DHCP scope associated with the client

String

dhcp.client

The DHCP client identifier

String

dhcp.scope

The DHCP scope identifier

String

dhcp.scope.start.range

The starting IP address of the DHCP scope

String

dhcp.scope.state

The state of the DHCP scope

String

dhcp.scope.name

The name of the DHCP scope

String

dhcp.scope.reserved.ip.addresses

The number of reserved IP addresses in the DHCP scope

Count

dhcp.scope.description

The description of the DHCP scope

String

dhcp.scope.type

The type of the DHCP scope

String

dhcp.scope.end.range

The ending IP address of the DHCP scope

String

dhcp.scope.subnet.mask

The subnet mask used for the DHCP scope

String

Page Title: windows-dns

On this page

Windows DNS

Overview

â€‹

Windows DNS, the domain name system service on Windows-based systems, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Windows DNS servers. Monitor critical DNS metrics such as query rates, response times, and zone transfer status to ensure efficient and reliable domain name resolution.

Prerequisites for Microsoft Windows DNS Integration with Motadata AIOps

â€‹

Obtain the server credentials required for discovering the server on which Microsoft Windows DNS is installed.

Ensure that the user has administrator privileges on the server where Microsoft Windows DNS is installed.

Ensure that the Microsoft Windows DNS service is active and running on the server.

Confirm that the Microsoft Windows DNS process and service are listed in the process and service monitor settings of Motadata AIOps. While these may be listed by default, verify that the names of the service and process match the specific Microsoft Windows DNS version that you intend to monitor.

By meeting these prerequisites, you can integrate Microsoft Windows DNS with Motadata AIOps and enable effective monitoring and management of your Microsoft Windows DNS server.

List of Supported KPIs

â€‹

Name

Description

Type

dns.received.wins.reverse.lookups.per.sec

Number of WINS reverse lookup requests received per second.

Count

dns.received.udp.queries.per.sec

Number of UDP DNS queries received per second.

Count

dns.recursive.queries

Total number of recursive DNS queries made.

Count

dns.udp.message.memory.bytes

Memory usage in bytes for UDP DNS messages.

Count

dns.sent.axfr.requests

Number of AXFR (zone transfer) requests sent.

Count

dns.received.udp.queries

Total number of UDP DNS queries received.

Count

dns.axfr.success.sends

Number of successful AXFR (zone transfer) sends.

Count

dns.recursive.queries.per.sec

Number of recursive DNS queries made per second.

Count

dns.dynamic.update.noops.per.sec

Number of dynamic DNS update NOOPs (no operations) per second.

Count

dns.dynamic.queued.updates

Number of dynamic DNS queued updates waiting to be processed.

Count

dns.received.notifications

Total number of DNS notifications received.

Count

dns.dynamic.update.timeouts

Number of dynamic DNS update timeouts occurred.

Count

dns.dynamic.update.receives

Number of dynamic DNS update messages received.

Count

dns.received.tcp.queries

Total number of TCP DNS queries received.

Count

dns.sent.wins.reverse.responses

Number of WINS reverse lookup responses sent.

Count

dns.sent.ixfr.requests

Number of IXFR (incremental zone transfer) requests sent.

Count

dns.sent.tcp.responses.per.sec

Number of TCP DNS responses sent per second.

Count

dns.dynamic.update.receives.per.sec

Number of dynamic DNS update messages received per second.

Count

dns.sent.udp.responses

Total number of UDP DNS responses sent.

Count

dns.received.wins.lookups

Total number of WINS lookups received.

Count

dns.sent.responses.per.sec

Number of DNS responses sent per second.

Count

dns.ixfr.success.sends

Number of successful IXFR (incremental zone transfer) sends.

Count

dns.record.flow.memory.bytes

Memory usage in bytes for DNS record flow.

Count

dns.received.ixfr.requests

Total number of IXFR (incremental zone transfer) requests received.

Count

dns.received.tcp.queries.per.sec

Number of TCP DNS queries received per second.

Count

dns.sent.tcp.responses

Total number of TCP DNS responses sent.

Count

dns.sent.udp.responses.per.sec

Number of UDP DNS responses sent per second.

Count

dns.recursive.query.failures.per.sec

Number of failed recursive DNS queries per second.

Count

dns.sent.notifications

Total number of DNS notifications sent.

Count

dns.secure.update.receives

Number of secure DNS update messages received.

Count

dns.dynamic.update.rejects

Number of dynamic DNS update rejections.

Count

dns.received.unmatched.responses

Total number of unmatched DNS responses received.

Count

dns.ixfr.tcp.success.receives

Number of successful TCP IXFR (incremental zone transfer) receives.

Count

dns.axfr.success.receives

Total number of successful AXFR (full zone transfer) receives.

Count

dns.secure.update.failures

Total number of failed secure DNS updates.

Count

dns.nbstat.memory.bytes

Memory usage in bytes for DNS NBSTAT.

Count

dns.received.axfr.requests

Total number of AXFR (full zone transfer) requests received.

Count

dns.tcp.message.memory.bytes

Memory usage in bytes for TCP DNS messages.

Count

dns.received.queries.per.sec

Number of DNS queries received per second.

Count

dns.received.wins.reverse.lookups

Total number of WINS reverse lookups received.

Count

dns.ixfr.udp.success.receives

Total number of successful UDP IXFR (incremental zone transfer) receives.

Count

dns.received.zone.transfer.requests

Total number of zone transfer requests received.

Count

dns.dynamic.update.database.writes.per.sec

Number of dynamic DNS update database writes per second.

Count

dns.received.wins.lookup.per.sec

Number of WINS lookups received per second.

Count

dns.received.ixfr.responses

Total number of IXFR (incremental zone transfer) responses received.

Count

dns.sent.responses

Total number of DNS responses sent.

Count

dns.recursive.timeouts.per.sec

Number of recursive DNS query timeouts per second.

Count

dns.sent.zone.transfer.soa.requests

Total number of SOA (Start of Authority) requests sent for zone transfer.

Count

dns.succeeded.zone.transfers

Total number of successful DNS zone transfers.

Count

dns.received.axfr.responses

Total number of AXFR (full zone transfer) responses received.

Count

dns.sent.recursive.timeouts

Total number of recursive DNS query timeouts sent.

Count

dns.sent.wins.reverse.responses.per.sec

Number of WINS reverse responses sent per second.

Count

dns.sent.wins.responses

Total number of WINS responses sent.

Count

dns.zone.transfer.failures

Total number of DNS zone transfer failures.

Count

dns.caching.memory.bytes

Memory usage in bytes for DNS caching.

Count

dns.received.queries

Total number of DNS queries received.

Count

dns.database.node.memory.bytes

Memory usage in bytes for DNS database nodes.

Count

dns.secure.update.receives.per.sec

Number of secure DNS update receives per second.

Count

dns.ixfr.success.receives

Total number of successful IXFR (incremental zone transfer) receives.

Count

dns.recursive.query.failures

Total number of recursive DNS query failures.

Count

dns.dynamic.update.database.writes

Total number of dynamic DNS update database writes.

Count

dns.dynamic.update.noops

Total number of dynamic DNS update noops.

Count

dns.sent.wins.responses.per.sec

Number of WINS responses sent per second.

Count

Page Title: windows-rdp

On this page

Windows RDP

Overview

â€‹

Windows RDP (Remote Desktop Protocol), the built-in remote desktop service on Windows-based systems, seamlessly integrates with Motadata AIOps to provide comprehensive monitoring and management capabilities. With this integration, organizations gain real-time visibility into the performance and health of their Windows RDP sessions and servers. Monitor critical RDP metrics such as connection latency, session duration, and server resource utilization to ensure efficient remote desktop access.

Supported Versions

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Versions

Windows 2011

Windows 2012

Prerequisites for Microsoft Windows RDP Integration with Motadata AIOps

â€‹

Obtain the server credentials required for discovering the Windows RDP server.

Ensure that the user has administrator privileges on the Windows RDP server.

Ensure that the Microsoft Windows RDP service is active and running on the server.

Confirm that the Microsoft Windows RDP process and service are listed in the process and service monitor settings of Motadata AIOps. While these may be listed by default, verify that the names of the service and process match the specific Microsoft Windows RDP version that you intend to monitor.

By meeting these prerequisites, you can integrate Microsoft Windows RDP with Motadata AIOps

and enable effective monitoring and management of your Microsoft Windows RDP server.

List of Supported KPIs

â€‹

Name

Description

Type

windows.rdp.inactive.sessions

Number of inactive RDP sessions

Count

windows.rdp.active.sessions

Number of active RDP sessions

Count

windows.rdp.sessions

Total number of RDP sessions

Count

windows.rdp.session.user

Username of the user who is connected to the RDP session

String

windows.rdp.session.id

ID of the RDP session

String

windows.rdp.session.state

State of the RDP session (active, inactive, disconnected)

String

windows.rdp.session.logon.time

Time when the RDP session was logged on

String

windows.rdp.session.idle.time.minutes

Number of minutes since the RDP session was last active

String

windows.rdp.session.type

Type of RDP session (console, remote)

String

windows.rdp.session.device

Device that the RDP session is connected to

String

windows.rdp.session.process.cpu.percent

CPU usage of the RDP session process

Count

windows.rdp.session.process.virtual.memory.bytes

Virtual memory usage of the RDP session process

Count

windows.rdp.session.process.page.faults.per.sec

Number of page faults per second of the RDP session process

Count

windows.rdp.session.process.memory.bytes

Memory usage of the RDP session process

Count

windows.rdp.session.process.threads

Number of threads used by the RDP session process

Count

windows.rdp.session.process.handles

Number of handles used by the RDP session process

Count

windows.rdp.session.process.process

Name of the RDP session process

String

windows.rdp.session.process.protocol.brush.cache.hit.ratio.percent

Percentage of brush cache hits

Count

windows.rdp.session.process.output.wdbytes

Number of bytes written to the RDP session output stream

Count

windows.rdp.session.process.output.bytes

Total number of bytes written to the RDP session output stream

Count

windows.rdp.session.process.output.compression.ratio.percent

Percentage of compression used for the RDP session output stream

Count

windows.rdp.session.process.input.transport.errors

Number of transport errors encountered by the RDP session process

Count

windows.rdp.session.process.output.compressed.bytes

Number of bytes compressed by the RDP session process

Count

windows.rdp.session.process.async.overruns

Number of asynchronous overruns encountered by the RDP session process

Count

windows.rdp.session.process.timeouts

Number of timeouts encountered by the RDP session process

Count

windows.rdp.session.process.bytes

Total number of bytes processed by the RDP session process

Count

windows.rdp.session.process.input.async.parity.errors

Number of asynchronous parity errors encountered by the RDP session process

Count

windows.rdp.session.process.async.parity.errors

Number of parity errors encountered by the RDP session process

Count

windows.rdp.session.process.frames

Number of frames processed by the RDP session process

Count

windows.rdp.session.process.transport.errors

Number of transport errors encountered by the RDP session process

Count

windows.rdp.session.process.compressed.bytes

Number of bytes compressed by the RDP session process

Count

windows.rdp.session.process.output.frames

Number of frames sent by the RDP session process

Count

windows.rdp.session.process.output.transport.errors

Number of transport errors encountered by the RDP session process

Count

windows.rdp.session.process.input.timeouts

Number of timeouts encountered by the RDP session process

Count

windows.rdp.session.process.protocol.cache.hit.ratio.percent

Percentage of cache hits for protocol data

Count

windows.rdp.session.process.output.async.overruns

Number of asynchronous overruns encountered by the RDP session process

Count

windows.rdp.session.process.input.errors

Number of input errors encountered by the RDP session process

Count

windows.rdp.session.process.wdbytes

Number of bytes written to the RDP session process's output stream

Count

windows.rdp.session.process.input.async.overruns

Number of asynchronous overruns encountered by the RDP session process

Count

windows.rdp.session.process.async.frame.errors

Number of asynchronous frame errors encountered by the RDP session process

Count

windows.rdp.session.process.protocol.bitmap.cache.hit.ratio.percent

Percentage of cache hits for bitmap data

Count

windows.rdp.session.process.output.timeouts

Number of timeouts encountered by the RDP session process

Count

windows.rdp.session.process.input.compression.ratio.percent

Percentage of input data that was compressed

Count

windows.rdp.session.process.output.async.overflows

Number of asynchronous overflows encountered by the RDP session process

Count

windows.rdp.session.process.wdframes

Number of frames received by the RDP session process

Count

windows.rdp.session.process.input.async.overflows

Number of asynchronous overruns encountered by the RDP session process

Count

windows.rdp.session.process.input.frames

Number of frames received by the RDP session process

Count

windows.rdp.session.process.async.overflows

Number of asynchronous overflows in the Windows RDP session process.

Count

windows.rdp.session.process.input.wdframes

Number of input WD frames in the Windows RDP session process.

Count

windows.rdp.session.process.input.wdbytes

Number of input WD bytes in the Windows RDP session process.

Count

windows.rdp.session.process.output.wdframes

Number of output WD frames in the Windows RDP session process.

Count

windows.rdp.session.process.output.async.frame.errors

Number of errors in output async frame in the Windows RDP session process.

Count

windows.rdp.session.process.errors

Number of errors in the Windows RDP session process.

Count

windows.rdp.session.process.protocol.glyph.cache.hit.ratio.percent

Cache hit ratio percentage for protocol glyph cache in the Windows RDP session process.

Count

windows.rdp.session.process.output.async.parity.errors

Number of errors in output async parity in the Windows RDP session process.

Count

windows.rdp.session.process.compression.ratio.percent

Compression ratio percentage in the Windows RDP session process.

Count

windows.rdp.session.process.input.bytes

Number of input bytes in the Windows RDP session process.

Count

windows.rdp.session.process.input.compressed.bytes

Number of input compressed bytes in the Windows RDP session process.

Count

windows.rdp.session.process.output.errors

Number of output errors in the Windows RDP session process.

Count

windows.rdp.session.process.input.async.frame.errors

Number of errors in input async frame in the Windows RDP session process.

Count