## Page Title: custom-runbook

On this page

Create a Custom Runbook

Overview

â€‹

Custom Runbooks in Motadata AIOps offer a flexible solution for executing specialized actions on monitors, utilizing user-defined settings and scripts. This type of Runbook is particularly useful in scenarios where predefined Runbook templates (such as SSH, HTTP, etc.) are not applicable or sufficient. Custom Runbooks allow IT professionals to define their own scripts and parameters, ensuring that specific, non-standardized actions can be automated and executed efficiently within the IT environment.

Navigation

â€‹

Go to Menu, Select

Settings

. After that, Go to

Plugin Library

. Select

Runbook

. The Runbook screen is now displayed.

Select

to start creating a Runbook. Select

Custom

to create a Custom Runbook.

Custom Runbook Configuration

â€‹

The Custom Runbook creation screen presents various parameters to define the Runbook's functionality and assign it to monitors or groups. Hereâ€™s a detailed breakdown of each parameter:

Field

Description

Runbook Name

Assign a logical and unique name that identifies the task performed by the runbook.

Description

Provide a description of the Runbook.

Monitor/Group/IP-Host

Select

Monitor

,

Group

, or

IP/Host

based on the device(s) to which you want to assign the runbook.

Select Monitor

Select desired monitor from the 'Monitors' dropdown if you want to assign the Runbook to an individual monitor. This option is available when you select

Monitor

in the previous field.

Select Group

Select desired group from the 'Groups' dropdown if you want to assign the Runbook to a group of monitors. This option is available when you select

Group

in the previous field.

Select IP/Host

Specify the IP/Host if you want to assign the Runbook to a device that is not discovered in Motadata AIOps as a Monitor. This option is available when you select

IP/Host

in the previous field.

Credential Profile

Select the credential profile from the dropdown to enable the Runbook to access and perform tasks on the monitor securely.

Create Credential Profile

Select this option if you need to create a new credential profile.

Port

Specify the port number in this field. In case you select a credential profile, the port number specified in the credential profile will be used. You can override the port number from the credential profile by specifying a port number in this field.

Timeout

Specify the timeout in this field. In case you select a credential profile, the timeout specified in the credential profile will be used. You can override the timeout from the credential profile by specifying a timeout in this field.

Log Collection

Enable this check-box to use the runbook for log collection. When you enable this field, the runbook will be available for selection while creating a

log collection profile

Script Language

Specify the language(Go or Python) you want use to write the parsing script.

Parsing Script

Write the script to parse the output.

Add Variable

Add a variable if required in the script.

Click on

Test

option to validate the credential profile against the selected monitor.

Click on the

Create Runbook Plugin

to create the Runbook ensuring all parameters are defined as per your requirements. Note that this option becomes available only after successful testing.

Click on the

Reset

option to clear all input fields.

## Page Title: database-runbook

On this page

Create a Database Runbook

Overview

â€‹

Database Runbooks in Motadata AIOps are instrumental for executing specific actions on a database, such as performing queries, releasing memory, and executing various other database operations. Utilizing the JDBC protocol, the Database Runbook establishes a connection with the database to perform the specified actions securely and efficiently.

Navigation

â€‹

Go to Menu, Select

Settings

. After that, Go to

Plugin Library

. Select

Runbook

. The Runbook screen is now displayed.

Select

to start creating a Runbook. Select

Database

to create a Database Runbook.

Database Runbook Configuration

â€‹

The Database Runbook creation screen presents various parameters to define the Runbook's functionality and assign it to monitors or groups. Below is a detailed breakdown of each parameter:

Field

Description

Runbook Name

Assign a logical and unique name that identifies the task performed by the runbook.

Description

Provide a description of the Runbook.

Type

Select the type of database for which you are creating the runbook.

Monitor/Group/IP-Host

Select

Monitor

,

Group

, or

IP/Host

based on the device(s) to which you want to assign the runbook.

Select Monitor

Select desired monitor from the 'Monitors' dropdown if you want to assign the Runbook to an individual monitor. This option is available when you select

Monitor

in the previous field.

Select Group

Select desired group from the 'Groups' dropdown if you want to assign the Runbook to a group of monitors. This option is available when you select

Group

in the previous field.

Select IP/Host

Specify the IP/Host if you want to assign the Runbook to a device that is not discovered in Motadata AIOps as a Monitor. This option is available when you select

IP/Host

in the previous field.

Credential Profile

Select the credential profile from the dropdown to enable the Runbook to access and perform tasks on the monitor securely.

Create Credential Profile

Select this option if you need to create a new credential profile.

Port

Specify the port number in this field. In case you select a credential profile, the port number specified in the credential profile will be used. You can override the port number from the credential profile by specifying a port number in this field.

Timeout

Specify the timeout in this field. In case you select a credential profile, the timeout specified in the credential profile will be used. You can override the timeout from the credential profile by specifying a timeout in this field.

Log Collection

Enable this check-box to use the runbook for log collection. When you enable this field, the runbook will be available for selection while creating a

log collection profile

Database Script

Write the script detailing the task that you wish to execute using the Runbook.

Script Language

Specify the language(Go or Python) you want use to write the parsing script.

Parsing Script

Write the script to parse the output derived post database script execution.

Add Variable

Add a variable if required in the parsing script.

Click on

Test

option to validate the credential profile against the selected monitor.

Click on the

Create Runbook Plugin

to create the Runbook ensuring all parameters are defined as per your requirements. Note that this option becomes available only after successful testing.

Click on the

Reset

option to clear all input fields.

## Page Title: how-to-clone-a-runbook

On this page

How to Clone a Runbook?

Overview

â€‹

Suppose you want to create a Runbook similar to an existing one but with minor changes, you can use the

Clone Runbook

option.

This will help create a new Runbook with similar parameters. You can then change the parameters as per your requirement and create a new Runbook.

Navigation

â€‹

Go to Menu, Select Settings

. After that, Go to

Plugin Library

. Select

Runbook

. The Runbook Screen is now displayed.

Navigate to the Runbook you want to clone. Under

Actions

, select

on the Runbook you want to Clone. Select

Clone Runbook

A new Runbook creation screen is now displayed with all the parameters.

You can now make changes to the parameters as per your requirement and create a new Runbook.

## Page Title: how-to-create-a-runbook

On this page

How to create a Custom Runbook?

Overview

â€‹

In the current scenario of complex infrastructure, the necessity for specialized actions tailored to unique organizational needs is important. While Motadata AIOps provides a diverse set of inbuilt Runbooks, the platform empowers you to build custom Runbooks, ensuring that specific custom tasks are executed smoothly.

Creating a custom Runbook not only streamlines recurrent tasks, enhancing operational speed, but also ensures accuracy and efficiency by minimizing human intervention.

Navigation

â€‹

Go to Menu, Select

Settings

. After that, Go to

Plugin Library

. Select

Runbook

. The Runbook screen is now displayed.

Select

to start creating a runbook.

Types of Runbook

â€‹

Motadata AIOps offers a versatile platform to create various types of Runbooks, each tailored to communicate effectively with monitors via distinct protocols. Hereâ€™s a categorization of Runbook types along with links to detailed documentation:

Runbook Type

Description

SSH Runbook

Employ Secure Shell protocol for secure network services operation.

Power Shell Runbook

Utilize PowerShell scripting for managing and automating Windows tasks.

SNMP Runbook

Leverage Simple Network Management Protocol for network management operations.

Trace Route Runbook

Utilize to trace the route packets take across an IP network.

Database Runbook

Manage database operations and execute SQL queries.

HTTP Runbook

Engage in operations requiring HTTP requests and responses.

Custom Runbook

Craft Runbooks for specialized tasks beyond predefined categories.

By harnessing the power of custom Runbooks, Motadata AIOps enables you to automate, optimize, and enhance your IT operations, ensuring a resilient and efficient IT infrastructure.

## Page Title: how-to-schedule-a-runbook-execution

On this page

Runbook Execution

Overview

â€‹

Motadata AIOps empowers you to automate operational tasks efficiently through Runbooks. You can choose to execute Runbooks at predefined times or in response to specific alerts, allowing you to streamline your IT operations effectively.

Motadata AIOps allows you to execute Runbooks in two distinct ways:

Scheduling a Runbook Execution at Specific Times

Executing a Runbook When an Alert Is Triggered

In this guide, we'll look into each method individually to help you effectively manage your automation tasks.

Scheduling a Runbook Execution at Specific Times

â€‹

To execute Runbooks at specific times, you first need to assign the Runbook to a monitor and then schedule it to run at the desired times. This method is ideal for scenarios like starting and stopping virtual machines at appropriate times during business hours.

1. Assigning a Runbook to a Monitor

â€‹

Under the

Actions

 Tab, select

 to display permissible actions for each runbook. After that, select

Assign Monitor

 to display the list of monitors to which the runbook can be assigned. The monitors using the same

communication protocol as the runbook are displayed for assignment.

Now, Select the monitors to which you need to assign the runbook using the check-box against it. You can select multiple monitors in case you need to assign the runbook to more than one monitor at once.

Select

Assign Monitor

to assign the runbook to the selected monitor(s).

Select

Cancel

if you do not wish to assign the runbook to the monitor(s).

2. Scheduling a Runbook

â€‹

Once you have assigned the Runbook to the selected monitor(s), you can now schedule the Runbook to be executed for that monitor at specific times.

Under the

Actions

Tab, select

to display permissible actions for each runbook. After that, select

Schedule Runbook

to display a scheduler pop-up as shown below.

Fill the details in the pop-up to create a scheduler.

Field

Description

Scheduler Type

Select the frequency at which you want to schedule the execution

Start Date

Select the date at which you want to start the Runbook execution.

Hours

Select the time at which you want to start the Runbook execution.

Notify via Email

Enter the E-mail addresses to receive a notification after the execution of the Runbook is complete.

Notify via SMS

Enter the SMS to receive a notification after the execution of the runbook is complete.

Days

Select the days on which you want to schedule the Runbook execution. This field is only available when you select the

Scheduler Type

as

Weekly

.

Months

Select the months in which you want to schedule the Runbook execution. This field is only available when you select the

Scheduler Type

as

Months

.

Dates

Select the dates of the month on which you want to schedule the Runbook execution. This field is only available when you select the

Scheduler Type

as

Months

Select the

Schedule

button to schedule the Runbook execution as per the details you configure.

Executing a Runbook When an Alert Is Triggered

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In this method, Runbooks are triggered automatically in response to specific

alerts

within your infrastructure. For instance, you can set up a Runbook to kill processes with high CPU utilization or list the top 10 processes with the highest CPU utilization when an alert for high CPU usage is triggered.

To execute Runbooks when alerts are triggered, you need to map the Runbooks to policies while configuring a policy

. When you create alert policies to monitor events in your infrastructure, you can specify which Runbook to execute when a particular alert criterion is met under the

Take Actions

section of a policy configuration.

Motadata AIOps provides you with flexible options for executing Runbooks, whether it's on a predefined schedule or in response to real-time alerts. This automation capability enhances your operational efficiency, reduces manual intervention, and ensures your IT infrastructure runs smoothly.

Now, you can choose the method that best suits your needs and follow the respective steps to streamline your automation processes.

## Page Title: http-runbook

On this page

Create a HTTP Runbook

Overview

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HTTP Runbooks in Motadata AIOps provide a versatile tool for executing actions on monitors using the HTTP protocol, particularly beneficial in scenarios where triggering actions on an API under specific conditions is required. This can be important for interacting with various devices and platforms like Ruckus devices, VMware, and any platform providing API endpoints, enabling automated interactions and data retrieval through API calls, in turn enhancing the automation and response mechanism in your IT environment.

Navigation

â€‹

Go to Menu, Select

Settings

. After that, Go to

Plugin Library

. Select

Runbook

. The Runbook screen is now displayed.

Select

to start creating a Runbook. Select

HTTP

to create a HTTP Runbook.

HTTP Runbook Configuration

â€‹

The HTTP Runbook creation screen presents various parameters to define the runbook's functionality and assign it to monitors or groups. Hereâ€™s a detailed breakdown of each parameter:

Field

Description

Runbook Name

Assign a logical and unique name that identifies the task performed by the runbook.

Description

Provide a description of the Runbook.

Monitor/Group/IP-Host

Select

Monitor

,

Group

, or

IP/Host

based on the device(s) to which you want to assign the runbook.

Select Monitor

Select desired monitor from the 'Monitors' dropdown if you want to assign the Runbook to an individual monitor. This option is available when you select

Monitor

in the previous field.

Select Group

Select desired group from the 'Groups' dropdown if you want to assign the Runbook to a group of monitors. This option is available when you select

Group

in the previous field.

Select IP/Host

Specify the IP/Host if you want to assign the Runbook to a device that is not discovered in Motadata AIOps as a Monitor. This option is available when you select

IP/Host

in the previous field.

Credential Profile

Select the credential profile from the dropdown to enable the Runbook to access and perform tasks on the monitor securely.

Create Credential Profile

Select this option if you need to create a new credential profile.

Port

Specify the port number in this field. In case you select a credential profile, the port number specified in the credential profile will be used. You can override the port number from the credential profile by specifying a port number in this field.

Timeout

Specify the timeout in this field. In case you select a credential profile, the timeout specified in the credential profile will be used. You can override the timeout from the credential profile by specifying a timeout in this field.

Log Collection

Enable this check-box to use the runbook for log collection. When you enable this field, the runbook will be available for selection while creating a

log collection profile

URL Type

Select the type of connection (HTTP/HTTPS) for which you want to create the Runbook.

URL Method

Select the method (GET/POST) for which you want to create this Runbook.

JSON URL

Select whether the URL is a JSON URL or not.

URL Endpoint

Specify the URL Endpoint where the HTTP request will be sent.

URL Content

Enter a keyword to search within the page mapped to the URL.

Add Parameter

Add any additional parameters required for the API call.

Add Header

Specify any additional header information required for the API call.

Script Language

Specify the language(Go or Python) you want use to write the parsing script.

Parsing Script

Write the script to parse the output derived from the API call.

Add Variable

Add a variable if required in the parsing script.

Click on

Test

option to validate the credential profile against the selected monitor.

Click on the

Create Runbook Plugin

to create the Runbook ensuring all parameters are defined as per your requirements. Note that this option becomes available only after successful testing.

Click on the

Reset

option to clear all input fields.

## Page Title: inbuilt-runbooks

On this page

Inbuilt Runbooks in Motadata AIOps

Motadata AIOps provides a suite of inbuilt Runbooks built to automate a range of IT tasks, ensuring smooth operations. These Runbooks are precisely designed to address common issues that arise in IT environments, reducing the need for manual intervention and enhancing system efficiency. In this page we will discuss overview of the inbuilt Runbooks available in Motadata AIOps

Navigation

â€‹

Go to Menu, Select

Settings

. After that, Go to

Plugin Library

. Select

Runbook

. The Runbook screen is displayed.

Here you can view the list of all the inbuilt runbooks in Motadata AIOps. You can also view the list of custom runbooks you have created, if any.

Runbook Screen

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The Runbook screen provides a detailed overview of each Runbook:

Field

Description

Runbook Name

A descriptive name that encapsulates the Runbook's functionality. It's essential to maintain a logical naming convention for clarity and ease of identification.

Used Count

Indicates the total number of monitors using the Runbook.

Runbook Type

Classifies the Runbook based on its communication protocol.

Scheduler

Displays scheduling details if the Runbook is set to execute at specific times. If no schedule is defined, this column remains blank.

Last Run Result

This field displays the result of the last execution of the runbook.

Actions

Selecting

displays permissible actions for each runbook. The following actions are available for each user:

-

Assign Monitor

: This button is used to assign the runbook to a monitor.

-

Remove Assigned Monitor

: This button is used to unassign a runbook from a monitor.

-

Clone Runbook

: This button can be used to duplicate an existing runbook in the system.

-

Schedule Runbook

: This button can be used to Schedule the Runbook to operate at a particular time in advance.

List of Inbuilt Runbooks

â€‹

Runbook

Description

Citrix Xen VM Start

This Runbook is designed to start a virtual machine (VM) running on the Citrix Xen platform. It can be particularly useful in scenarios where VMs need to be started remotely or automatically based on specific triggers.

Citrix Xen VM Stop

This Runbook automates the process of stopping a VM on the Citrix Xen platform. It ensures safe and efficient VM shutdown, especially in situations where manual intervention is not feasible.

Esxi VM Start

This Runbook facilitates the automated starting of VMs for the ESXi environment. It's beneficial in scenarios where rapid VM deployment is essential.

Esxi VM Stop

This Runbook ensures a systematic and automated shutdown of VMs for the ESXi platform.

HyperV VM Start

This Runbook is built for the HyperV environment enabling users to start VMs automatically. It's ideal for scenarios that require swift VM activation without manual oversight.

HyperV VM Stop

This Runbook ensures automated and safe VM shutdown for the HyperV platform.

Linux Process Kill

This Runbook is designed to terminate specific Linux processes that can be passed to the runbook as a parameter.

Linux Top 10 Processes

This Runbook fetches and displays the top 10 CPU-consuming processes on a Linux system. It aids administrators in monitoring and managing system performance.

Linux Top 10 Processes By Memory

This Runbook provides insights into the top 10 memory-consuming processes on a Linux system. It's an essential tool for administrators to identify potential memory leaks or applications that are using excessive memory.

Ping

The Ping Runbook is designed to test the reachability of a host on an IP network. It's a fundamental diagnostic tool to check network connectivity and response times.

SNMP Next Hop

This Runbook retrieves the next hop details in a network path using the SNMP protocol. It aids in network troubleshooting and understanding routing paths.

Solaris Top 10 Processes

This Runbook fetches and displays the top 10 CPU-consuming processes on the Solaris environment. It's a valuable tool for monitoring and optimizing system performance in Solaris systems.

Solaris Top 10 Processes By Memory

This Runbook is designed to showcase the top 10 memory-intensive processes on a Solaris system. It assists administrators in identifying and managing memory usage effectively.

Trace Route

The Trace Route Runbook is used to display the path that packets take to reach a network destination. It's a crucial diagnostic tool for identifying network bottlenecks and routing issues.

Windows Process Kill

This Runbook allows administrators to terminate specific processes on Windows environment that you can pass to the runbook as a parameter.

Windows Service Start

This Runbook facilitates the automated starting of Windows services which you can pass to the runbook as a parameter.

Windows Service Stop

This Runbook provides an automated way to safely stop Windows services based on the service

that you pass to the runbook as a parameter.

Windows Top 10 Processes

This Runbook fetches and displays the top 10 CPU-consuming processes on a Windows system helping administrators in system performance monitoring and optimization.

These are some of the inbuilt Runbooks available in Motadata AIOps to automate tasks that would generally have to be performed manually by the IT teams. This feature not only reduces the effort required by the IT teams but also reduces the probability of human error for critical tasks vital for business continuity.

Now, let us look into how you can create custom runbooks to perform custom tasks as per your requirement.

## Page Title: ncm-runbooks

On this page

NCM Runbooks

NCM Runbooks in Motadata AIOps can be created by executing SSH Runbooks, enabling you to automate various tasks and streamline network configuration management. Runbooks allow you to achieve numerous use cases, such as changing the description of all interfaces, modifying VLANs on specific interfaces, enabling SNMP across all devices, and activating SNMP traps on all devices simultaneously.

Once a runbook is created, you can execute it for an NCM device either manually through the NCM Explorer or by scheduling it to run at a specific time. Before scheduling, you need to assign the runbook to the NCM device.

Use Cases for Runbooks

â€‹

Here are some of the scenarios for which a Runbook can be employed:

Change the Description of All Interfaces at Once

: Update the description field for all network interfaces on a device. This is particularly useful for standardizing interface descriptions across multiple devices, making it easier to manage and identify them.

Modify VLAN Settings on a Specific Interface

: Adjust VLAN settings on a targeted interface. This can include adding, modifying, or removing VLANs, ensuring that your network segments are correctly configured according to your requirements.

Enable SNMP Across All Devices at Once

: Activate SNMP (Simple Network Management Protocol) on all network devices. This is crucial for network monitoring and management, allowing you to collect valuable performance data and manage devices remotely.

Activate SNMP Traps Across All Devices at Once

: Enable SNMP traps on all network devices to receive alerts and notifications about specific events. This helps in proactive network management and quick troubleshooting.

NCM Runbook Execution

â€‹

Executing a Runbook Manually

â€‹

To execute a runbook manually for an NCM device:

Create a Runbook

: Ensure that you have created a

SSH runbook

 for the NCM device.

Navigate to NCM Explorer

: Go to the NCM Explorer and locate the NCM device for which you need to execute the runbook.

Select Execute Runbook

: In the

Actions

 column against the device, select the

Execute Runbook

 option.

Choose the Runbook

: A list of all runbooks created for the same vendor type as the NCM device will be displayed. Select the runbook to execute.

.

Upload CSV (Optional)

: You can also upload a CSV file to use with the runbook script to execute your custom use cases.

Scheduling a Runbook

â€‹

To schedule a runbook for execution at a specific time:

Assign Runbook to Monitor

: Ensure the Runbook is assigned to the monitor.

Schedule the Runbook

: Refer to the

Scheduling a Runbook

for detailed steps on how to schedule the runbook.

By leveraging runbooks in Motadata AIOps, you can automate repetitive tasks, ensure consistency across network configurations, and enhance the efficiency of your network management operations. Whether you choose to execute runbooks manually or schedule them for future execution, the flexibility and power of runbooks will help you achieve various network configuration management goals with ease.

## Page Title: overview

On this page

Runbooks

Overview

â€‹

With the IT infrastructure constantly evolving, the ability to respond swiftly and efficiently to issues is vital. Motadata's Runbook feature is not just another tool; it's a critical component designed to automate vital tasks, ensuring smooth operation of your systems.

Our in-built Runbooks are precisely crafted to reduce the burden of routine administrative tasks. By automating these processes, we not only reduce the risk of human error but also ensure that your IT operations remain uninterrupted, even in the face of unexpected challenges, without human intervention.

When specific conditions arise, such as policy threshold breaches, Motadata's Runbooks are executed, performing predefined tasks without the need for manual intervention.

Use Case Scenario

â€‹

Imagine a scenario where a system alert indicates that CPU utilization has exceeded a certain threshold. Instead of manual troubleshooting, a Runbook can be associated with this alert. Upon activation, the Runbook identifies and terminates the Top 5 high CPU-consuming processes, restoring system stability.

In essence, with Motadata AIOps, when a CPU utilization alert is triggered, the Runbook associated with a specific severity of the alert is executed automatically, ensuring that potential issues are addressed promptly, maintaining optimal system performance.

Furthermore, Motadata AIOps offers a user-friendly interface to create, manage, and execute customised Runbooks. This ensures that you have complete control over your automated processes, tailoring them to your specific needs.

## Page Title: powershell-runbook

On this page

Create a PowerShell Runbook

Overview

â€‹

PowerShell Runbooks in Motadata AIOps stand as a robust tool, enabling the execution of specific actions on monitors by utilizing the PowerShell protocol. Predominantly employed for Windows environments, PowerShell Runbooks empower administrators to perform tasks remotely, ensuring secure and authenticated communications between the orchestrator and the hosts.

Navigation

â€‹

Go to Menu, Select

Settings

. After that, Go to

Plugin Library

. Select

Runbook

. The Runbook screen is now displayed.

Select

to start creating a Runbook. Select

PowerShell

to create a PowerShell Runbook.

PowerShell Runbook Configuration

â€‹

The SSH Runbook creation screen presents various parameters to define the runbook's functionality and assign it to monitors or groups. Below is a detailed breakdown of each parameter:

Field

Description

Runbook Name

Assign a logical and unique name that identifies the task performed by the runbook.

Description

Provide a description of the Runbook.

Monitor/Group/IP-Host

Select

Monitor

,

Group

, or

IP/Host

based on the device(s) to which you want to assign the runbook.

Select Monitor

Select desired monitor from the 'Monitors' dropdown if you want to assign the Runbook to an individual monitor. This option is available when you select

Monitor

in the previous field.

Select Group

Select desired group from the 'Groups' dropdown if you want to assign the Runbook to a group of monitors. This option is available when you select

Group

in the previous field.

Select IP/Host

Specify the IP/Host if you want to assign the Runbook to a device that is not discovered in Motadata AIOps as a Monitor. This option is available when you select

IP/Host

in the previous field.

Credential Profile

Select the credential profile from the dropdown to enable the Runbook to access and perform tasks on the monitor securely.

Create Credential Profile

Select this option if you need to create a new credential profile.

Port

Specify the port number in this field. In case you select a credential profile, the port number specified in the credential profile will be used. You can override the port number from the credential profile by specifying a port number in this field.

Timeout

Specify the timeout in this field. In case you select a credential profile, the timeout specified in the credential profile will be used. You can override the timeout from the credential profile by specifying a timeout in this field.

Log Collection

Enable this check-box to use the runbook for log collection. When you enable this field, the runbook will be available for selection while creating a

log collection profile

PowerShell Script

Write the script detailing the task that you wish to execute using the Runbook.

Script Language

Specify the language (Go or Python) you want use to write the parsing script.

Parsing Script

Write the script to parse the output derived post PowerShell script execution.

Add Variable

Add a variable if required in the parsing script.

Click on

Test

option to validate the credential profile against the selected monitor.

Click on the

Create Runbook Plugin

to create the Runbook ensuring all parameters are defined as per your requirements. Note that this option becomes available only after successful testing.

Click on the

Reset

option to clear all input fields.

## Page Title: snmp-runbook

On this page

Create a SNMP Runbook

Overview

â€‹

SNMP Runbooks in Motadata AIOps provide a mechanism to execute specific actions on monitors, utilizing the Simple Network Management Protocol (SNMP) for accessing the monitor. SNMP Runbooks are pivotal for managing and monitoring network devices efficiently and securely.

Navigation

â€‹

Go to Menu, Select

Settings

. After that, Go to

Plugin Library

. Select

Runbook

. The Runbook screen is now displayed.

Select

to start creating a Runbook. Select

SNMP

to create a SNMP Runbook.

SNMP Runbook Configuration

â€‹

The SNMP Runbook creation screen presents various parameters to define the Runbook's

functionality and assign it to monitors or groups. Below is a detailed breakdown of each parameter:

Field

Description

Runbook Name

Assign a logical and unique name that identifies the task performed by the runbook.

Description

Provide a description of the Runbook.

Monitor/Group/IP-Host

Select

Monitor

,

Group

, or

IP/Host

based on the device(s) to which you want to assign the runbook.

Select Monitor

Select desired monitor from the 'Monitors' dropdown if you want to assign the Runbook to an individual monitor. This option is available when you select

Monitor

in the previous field.

Select Group

Select desired group from the 'Groups' dropdown if you want to assign the Runbook to a group of monitors. This option is available when you select

Group

in the previous field.

Select IP/Host

Specify the IP/Host if you want to assign the Runbook to a device that is not discovered in Motadata

AIOps as a Monitor. This option is available when you select

IP/Host

in the previous field.

Credential Profile

Select the credential profile from the dropdown to enable the Runbook to access and perform tasks on the monitor securely.

Create Credential Profile

Select this option if you need to create a new credential profile.

Port

Specify the port number in this field. In case you select a credential profile, the port number specified in the credential profile will be used. You can override the port number from the credential profile by specifying a port number in this field.

Timeout

Specify the timeout in this field. In case you select a credential profile, the timeout specified in the credential profile will be used. You can override the timeout from the credential profile by specifying a timeout in this field.

SNMP Group Type

Select either Scalar or Tabular based on the type of Object Identifier (OID).

OID Name

Provide a unique name to the OID which will be referred to in the Runbook script.

OID

Enter the OID that will be included in the runbook script. The script will perform tasks on this OID.

Script Language

Specify the language(Go or Python) you want use to write the parsing script.

Parsing Script

Write the script to parse the metrics you would derive from the OIDs specified.

Add Variable

Add a variable if required in the parsing script.

Click on

Test

option to validate the credential profile against the selected monitor.

Click on the

Create Runbook Plugin

to create the Runbook ensuring all parameters are defined as per your requirements. Note that this option becomes available only after successful testing.

Click on the

Reset

option to clear all input fields.

## Page Title: ssh-runbook

On this page

Create a SSH Runbook

Overview

â€‹

SSH Runbooks in Motadata AIOps serve as a tool to execute specific actions on monitors, leveraging the Secure Shell (SSH) protocol for secure access. Primarily utilized for Linux and Network devices, SSH Runbooks facilitate the execution of tasks remotely, ensuring secure and authenticated communications between two hosts.

Navigation

â€‹

Go to Menu, Select

Settings

. After that, Go to

Plugin Library

. Select

Runbook

. The Runbook screen is now displayed.

Select

to start creating a Runbook. SSH Runbook is selected by default.

SSH Runbook Configuration

â€‹

The SSH Runbook creation screen presents various parameters to define the runbook's functionality and assign it to monitors or groups. Below is a detailed breakdown of each parameter:

Field

Description

Runbook Name

Assign a logical and unique name that identifies the task performed by the runbook.

Description

Provide a description of the Runbook.

Monitor/Group/IP-Host

Select

Monitor

,

Group

, or

IP/Host

based on the device(s) to which you want to assign the runbook.

Select Monitor

Select desired monitor from the 'Monitors' dropdown if you want to assign the Runbook to an individual monitor. This option is available when you select

Monitor

in the previous field.

Select Group

Select desired group from the 'Groups' dropdown if you want to assign the Runbook to a group of monitors. This option is available when you select

Group

in the previous field.

Select IP/Host

Specify the IP/Host if you want to assign the Runbook to a device that is not discovered in Motadata AIOps as a Monitor. This option is available when you select

IP/Host

in the previous field.

Credential Profile

Select the credential profile from the dropdown to enable the Runbook to access and perform tasks on the monitor securely.

Create Credential Profile

Select this option if you need to create a new credential profile.

Port

Specify the port number in this field. In case you select a credential profile, the port number specified in the credential profile will be used. You can override the port number from the credential profile by specifying a port number in this field.

Timeout

Specify the timeout in this field. In case you select a credential profile, the timeout specified in the credential profile will be used. You can override the timeout from the credential profile by specifying a timeout in this field.

Vendor

Specify the vendor of the device for which you are creating the runbook.

Log Collection

Enable this check-box to use the runbook for log collection. When you enable this field, the runbook will be available for selection while creating a

log collection profile

Apply to NCM

Use this toggle button to enable the Runbook to be used for a NCM device.

SSH Script

Write the script detailing the task that you wish to execute using the Runbook.

Script Language

Specify the language(Go or Python) you want use to write the parsing script.

Parsing Script

Write the script to parse the output derived post SSH script execution.

Add Variable

Add a variable if required in the parsing script.

Click on

Test

option to validate the credential profile against the selected monitor.

Click on the

Create Runbook Plugin

to create the Runbook ensuring all parameters are defined as per your requirements. Note that this option becomes available only after successful testing.

Click on the

Reset

option to clear all input fields.

## Page Title: trace-route-runbook

On this page

Create a Trace Route Runbook

Overview

â€‹

The Trace Route Runbook in Motadata AIOps is designed to trace the path of a packet as it traverses from the Motadata AIOps server to the designated Monitor. Unlike other runbooks, the Trace Route Runbook does not necessitate script writing, providing a straightforward method to visualize the route taken by a packet through the network to its destination.

The output of the Trace Route Runbook includes:

Field

Description

No. Of Hops

The count of intermediary devices the packet traverses.

Round Trip Time (RTT)

Time in milliseconds for the packet to reach its destination and return.

Domain Name/IP Address

The address of the destination.

Navigation

â€‹

Go to Menu, Select

Settings

. After that, Go to

Plugin Library

. Select

Runbook

. The Runbook screen is now displayed.

Select

to start creating a Runbook. Select

Trace Route

to create a Trace Route Runbook.

Trace Route Runbook Configuration

â€‹

The Trace Route Runbook creation screen presents various parameters to define the Runbook's functionality and assign it to monitors or groups. Below is a detailed breakdown of each parameter:

Field

Description

Runbook Name

Assign a logical and unique name that identifies the task performed by the runbook.

Description

Provide a description of the Runbook.

Monitor/Group/IP-Host

Select

Monitor

,

Group

, or

IP/Host

based on the device(s) to which you want to assign the runbook.

Select Monitor

Select desired monitor from the 'Monitors' dropdown if you want to assign the Runbook to an

individual monitor. This option is available when you select

Monitor

in the previous field.

Select Group

Select desired group from the 'Groups' dropdown if you want to assign the Runbook to a group of monitors. This option is available when you select

Group

in the previous field.

Select IP/Host

Specify the IP/Host if you want to assign the Runbook to a device that is not discovered in Motadata AIOps as a Monitor. This option is available when you select

IP/Host

in the previous field.

Maximum Hops

Specify the maximum number of hops allowed before the Runbook times out. Default is â€˜15â€™.

Probes

Specify the maximum number of probes allowed for your Trace Route. Default is â€˜2â€™.

Timeout

Specify the time (in seconds) that Trace Route will run before it times out to prevent indefinite running in case it cannot reach its destination.

Click on

Test

option to validate the credential profile against the selected monitor.

Click on the

Create Runbook Plugin

to create the Runbook ensuring all parameters are defined as per your requirements. Note that this option becomes available only after successful testing.

Click on the

Reset

option to clear all input fields.