

EX Series Secure WAN Manager Management Information Base User Manual

Document No.: D-020-01-00-0007

Ver. 3.0 10/5/2010



Headquarters

A10 Networks, Inc.
2309 Bering Dr.
San Jose, CA 95131-1125 USA

Tel: +1-408-325-8668 (main)
Tel: +1-408-325-8676 (support - worldwide)
Tel: +1-888-822-7210 (support - toll-free in USA)
Fax: +1-408-325-8666

www.a10networks.com

© A10 Networks, Inc. 10/5/2010 - All Rights Reserved

Information in this document is subject to change without notice.

Trademarks

A10 Networks, the A10 logo, ACOS, aFleX, aFlow, aGalaxy, aVCS, aXAPI, IDaccess, IDSENTRIE, IP to ID, SmartFlow, SoftAX, VirtualADC, Virtual Chassis, and VirtualN are trademarks or registered trademarks of A10 Networks, Inc. All other trademarks are property of their respective owners.

Patents Protection

A10 Networks products including all UIM products are protected by one or more of the following US patents and patents pending: 7716378, 7675854, 7647635, 7552126, 20090049537, 20080229418, 20080040789, 20070283429, 20070271598, 20070180101

Confidentiality

This document contains confidential materials proprietary to A10 Networks, Inc. This document and information and ideas herein may not be disclosed, copied, reproduced or distributed to anyone outside A10 Networks, Inc. without prior written consent of A10 Networks, Inc. This information may contain forward looking statements and therefore is subject to change.

A10 Networks Inc. Software License and End User Agreement

Software for all UIM products contains trade secrets of A10 Networks and its subsidiaries and Customer agrees to treat Software as confidential information.

Anyone who uses the Software does so only in compliance with the terms of this Agreement. Customer shall not:

- 1) reverse engineer, reverse compile, reverse de-assemble or otherwise translate the Software by any means
- 2) sublicense, rent or lease the Software.

Disclaimer

The information presented in this document describes the specific products noted and does not imply nor grant a guarantee of any technical performance nor does it provide cause for any eventual claims resulting from the use or misuse of the products described herein or errors and/or omissions. A10 Networks, Inc. reserves the right to make technical and other changes to their products and documents at any time and without prior notification.

No warranty is expressed or implied; including and not limited to warranties of non-infringement, regarding programs, circuitry, descriptions and illustrations herein.

Environmental Considerations

Some electronic components may possibly contain dangerous substances. For information on specific component types, please contact the manufacturer of that component. Always consult local authorities for regulations regarding proper disposal of electronic components in your area.

Further Information

For additional information about A10 products, terms and conditions of delivery, and pricing, contact your nearest A10 Networks, Inc. location which can be found by visiting www.a10networks.com.

About This Document

This document describes the proprietary Management Information Base (MIB) of the A10 Networks EX Series Secure WAN Manager.

Note: The commands and options described in this edition are supported with EX Release 3.0 or later.

Additional information is available for EX Series systems in the following documents. These documents are included on the documentation CD shipped with your EX Series system, and also are available on the A10 Networks support site:

- *EX Series Installation and Setup Guide*
- *EX Series Command Line Interface User Manual*
- *EX Series Graphical User Interface User Manual*
- *EX Series aFlex Reference*

System Description

FIGURE 1 *The EX Series Secure WAN Manager*



The EX Secure WAN Manager provides the following major features:

- Identity Based Bandwidth Usage Reporting
- Identity Based Applications Logging and Reporting
- Bandwidth Management and QoS
- Link Load Balancing

- Firewall and Server Load Balancing
- Cache Redirection
- Network Intrusion Prevention
- Layer 3 support (RIP and OSPF)
- Transparent Layer 2 Connectivity Support
- High Availability Software and Hardware Redundancy

About This Document	3
System Description	3
Introduction	11
EX MIB Objects: a10System Group	13
a10SysVersion Objects	13
a10SysSoftVersion	13
a10SysMemory Objects	13
a10SysMemoryTotal	13
a10SysMemoryUsage	13
a10SysCpu Objects	13
a10SysCpuNumber	13
a10SysCpuTable	14
a10SysDisk Objects.....	14
a10SysDiskTotalSpace	14
a10SysDiskFreeSpace	14
a10SysHwInfo Objects	15
a10SysHwPhyCpu1Temp	15
a10SysHwPhyCpu2Temp	15
a10SysHwFan1Speed	15
10SysHwFan2Speed	15
a10SysHwVoltageV5	15
a10SysHwVoltageV12	15
EX MIB Objects: a10QosManagement Group	17
a10QosQosIf Objects	17
a10QosQosIfNumber	17
a10QosQosIfTable	17
a10QosShape Objects.....	17
a10QosShapeNumber	17
a10QosShapeCfgTable	18
a10QosShapeStatTable	18
a10QosClass Objects	19
a10QosClassCfgNumber	19
a10QosClassCfgTable	19

a10QosPolicy Objects	20
a10QosPolicyNumber	20
a10QosPolicyTable	20
a10QosPolicyApplyTable	21
a10QosStat Objects	21
a10QosStatTable	21
a10QosIpList Objects	22
a10QosIpListTable	22
a10QosSchedule Objects	23
a10QosScheduleTable	23
a10QosCategory Objects	23
a10QosCategoryTable	23
a10QosIdGroup Objects	24
a10QosIdGroupTable	24
EX MIB Objects: a10FlowManagement Group	25
a10FlowMgrLink Objects	25
a10FlowMgrLinkDefaultLinkGroup	25
a10FlowMgrLinkPreMask	25
a10FlowMgrLinkRttLife	25
a10FlowMgrLinkNumber	25
a10FlowMgrLinkCfgTable	25
a10FlowMgrLinkStatTable	26
a10FlowMgrLinkGroupBindClassTable	27
a10FlowMgrLinkGroupTable	28
a10FlowMgrLinkGroupStatTable	28
a10FlowMgrDomain Objects	29
a10FlowMgrDomainNumber	29
a10FlowMgrDomainTable	29
a10FlowMgrFirewall Objects	30
a10FlowMgrFwNodeNumber	30
a10FlowMgrFwGroupNumber	30
a10FlowMgrFwEnable	30
a10FlowMgrFwNodeCfgTable	31
a10FlowMgrFwNodeStatTable	31
a10FlowMgrFwGroupTable	32
a10FlowMgrFwBindClassTable	33
a10FlowMgrFwGroupStatTable	33

a10FlowMgrCache Objects	34
a10FlowMgrCacheNodeNumber	34
a10FlowMgrCacheGroupNumber	34
a10FlowMgrCacheNodeCfgTable	34
a10FlowMgrCacheNodeStatTable	35
a10FlowMgrCacheGroupTable	36
a10FlowMgrCacheBindClassTable	37
a10FlowMgrCacheGroupStatTable	37
a10FlowMgrService Objects	38
a10FlowMgrServiceNodeNumber	38
a10FlowMgrServiceGroupNumber	38
a10FlowMgrServiceVsNumber	38
a10FlowMgrServiceNodeCfgTable	38
a10FlowMgrServiceNodeStatTable	39
a10FlowMgrServiceGroupTable	40
a10FlowMgrServiceVsTable	41
a10FlowMgrServiceGroupStatTable	41
a10FlowMgrVsGroupStatTable	42
a10FlowMgrVsPortStatTable	43
a10FlowMgrNodePortStatTable	43
EX MIB Objects: a10HealthMonitor Group	45
a10Hmethod Objects	45
a10HmethodIcmpNumber	45
a10HmethodIcmpTable	45
a10HmethodTcpNumber	45
a10HmethodTcpTable	46
a10HmethodUdpNumber	46
a10HmethodUdpTable	46
a10HmethodHttpNumber	47
a10HmethodHttpTable	47
a10HmethodFtpNumber	47
a10HmethodFtpTable	48
a10HmethodSnmpNumber	48
a10HmethodSnmpTable	48
a10HmethodSntpNumber	49
a10HmethodSntpTable	49
a10HmethodDnsNumber	49
a10HmethodDnsTable	50
a10HmethodPop3Number	50
a10HmethodPop3Table	50
a10HmethodRadiusNumber	51
10HmethodRadiusTable	51
a10HmethodLdapNumber	51
a10HmethodLdapTable	52

a10HmethodRtspNumber	52
a10HmethodRtspTable	52
a10HmethodHttpsNumber	53
a10HmethodHttpsTable	53
a10HmethodSipNumber	54
a10HmethodSipTable	54
a10HmethodExternalNumber	54
a10HmethodExternalTable	54
a10Hmonitor Objects	55
a10HmonitorNumber	55
a10HmonitorTable	55
EX MIB Objects: a10Ips Group	57
a10Ips Objects	57
a10IpsHoldSrcIpDropPkts	57
a10IpsPingOfDeathDropPkts	57
a10IpsIpMaxKnownProtocolDropPkts	57
a10IpsIpLandDropPkts	57
a10IpsTcpSynFragmentDropPkts	57
a10IpsTcpCheckFlagDropPkts	58
a10IpsIcmpBroadcastEchReqDropPkts	58
a10IpsUdpBroadcastEchReqDropPkts	58
a10IpsIcmpBroadcastDropPkts	58
a10IpsIpRecordRouteOptionDropPkts	58
a10IpsIpStrictSourceRouteOptionDropPkts	58
a10IpsIpSecurityOptionDropPkts	58
a10IpsIpLooseSourceRouteOptionDropPkts	59
a10IpsIpMalformOptionDropPkts	59
a10IpsIpWithOptionDropPkts	59
a10IpsIpTimestampOptionDropPkts	59
a10IpsIpStreamOptionDropPkts	59
a10IpsIpAllFragmentDropPkts	59
a10IpsSynFloodDropPkts	59
a10IpsIcmpAttackDropPkts	60
a10IpsIcmpFloodDropPkts	60
a10IpsTcpFloodDropPkts	60
a10IpsUdpFloodDropPkts	60
a10IpsIcmpAddressSweepDropPkts	60
a10IpsUdpAddressSweepDropPkts	60
a10IpsPortScanDropPkts	60
a10IpsExceedRateDstDropPkts	61
a10IpsExceedRateSrcDropPkts	61

EX MIB Objects: a10Vlan Group	63
a10Vlan Objects	63
a10VlanNumber	63
a10VlanTable	63
EX MIB Objects: a10Ha Group	65
a10Ha Objects	65
a10HaGroupNumber	65
a10HaGroupTable	65
a10HaGroupIpTable	66
a10HaGroupTrackIfTable	67
EX MIB Objects: a10AppLog Group	69
a10AppLogAIM Objects	69
a10AppLogAIMLogon	69
a10AppLogAIMLogoff	69
a10AppLogYIM Objects.....	69
a10AppLogYIMLogon	69
a10AppLogYIMLogoff	69
a10AppLogMSNIM Objects	70
a10AppLogMSNIMLogon	70
a10AppLogMSNIMLogoff	70
a10AppLogFTP Objects	70
a10AppLogFTPLogon	70
a10AppLogFTPPassword	70
a10AppLogFTPMkdir	70
a10AppLogFTPRmdir	70
a10AppLogFTPRetr	71
a10AppLogFTPStor	71
a10AppLogFTPRename	71
a10AppLogFTPSite	71
a10AppLogFTPDelete	71
a10AppLogNFS Objects.....	71
a10AppLogNFSMount	71
a10AppLogNFSUmount	72
a10AppLogNFSLookup	72
a10AppLogNFSRead	72
a10AppLogNFSWrite	72
a10AppLogNFSCreate	72
a10AppLogNFSRemove	72

a10AppLogNFSMkdir	72
a10AppLogNFSRmdir	73
a10AppLogNFSRename	73
a10AppLogNFSReaddir	73
a10AppLogCIFS Objects	73
a10AppLogCIFSSetup	73
a10AppLogCIFSConnect	73
a10AppLogCIFSRead	73
a10AppLogCIFSWrite	74
a10AppLogCIFSCreate	74
a10AppLogCIFSOpen	74
a10AppLogCFSMkdir	74
a10AppLogCFSRename	74
a10AppLogCFSDelete	74
a10AppLogCFSLogoff	74
a10AppLogCFSRmdir	75
a10AppLogPOP3 Objects	75
a10AppLogPOP3Mail	75
a10AppLogSMTP Objects.....	75
a10AppLogSMTPMail	75
EX MIB Objects: a10Logging Group	77
a10Logging Objects	77
a10LogBufferSize	77
a10LogBufferPri	77
a10LogConsolePri	78
a10LogEmailPri	78
a10LogEmailAddr	79
a10LogTrapPri	79
a10LogSyslogPri	79
a10LogSyslogHost	80
a10LogSyslogPort	80
a10LogMonitorPri	80
a10SyslogTrapPrefix Objects.....	81
a10SyslogTrap	81
a10SyslogTrapObjects Objects.....	81
a10SyslogModuleName	81
a10SyslogPriority	81
a10SyslogMsg	81

Introduction

This document describes the EX Series Secure WAN Manager proprietary Management Information Base (MIB). The EX MIB consists of the following groups:

- a10System – Provides system-level information about the EX device, such as the installed software versions, the serial number, and current CPU utilization. See [“EX MIB Objects: a10System Group” on page 13.](#)
- a10QoSManagement – Provides information about objects that define QoS management, such as QoS interfaces, QoS shaping, QoS classes, and QoS policies. See [“EX MIB Objects: a10QoSManagement Group” on page 17.](#)
- a10FlowManagement – Provides information about the objects that define various load balancing applications, such as Link Load Balancing (LLB), FireWall Load Balancing (FWLB), Server Load Balancing (SLB). See [“EX MIB Objects: a10FlowManagement Group” on page 25.](#)
- a10HealthMonitor – Provides information about the health methods configured on the EX device. See [“EX MIB Objects: a10HealthMonitor Group” on page 45.](#)
- a10Ips – Provides Intrusion Prevention System (IPS) statistics. See [“EX MIB Objects: a10Ips Group” on page 57.](#)
- a10Vlan – Provides information about the Virtual LANs (VLANs) configured on the EX device. See [“EX MIB Objects: a10Vlan Group” on page 63.](#)
- a10HA – Provides information about configuration for High Available systems. See [“EX MIB Objects: a10Ha Group” on page 65.](#)
- a10AppLog – Provides state information for application logging. See [“EX MIB Objects: a10AppLog Group” on page 69.](#)
- a10Logging – Provides information about parameters for logging utilities on an EX device. See [“EX MIB Objects: a10Logging Group” on page 77.](#)

MIB Access

SNMP access to the EX device is read-only. You can use SNMP managers to retrieve information using GET or GET NEXT requests. SET requests are not supported.

SNMP RFCs Supported

The EX device supports the following SNMP-related RFCs:

- SNMPv1/v2c (RFC 1157, RFC 1901)
- SNMP MIB-II (RFC 1213, RFC 1573)
- Ethernet Interface MIB (RFC 1643)
- SNMP View-based Access Control Model SNMP (RFC 2575)
- SNMPv3 Introduction to Framework (RFC 2570)
- SNMPv3 User-based Security Model (RFC 2574)

EX MIB Objects: a10System Group

This chapter describes the MIB objects in the a10System group.

a10SysVersion Objects

a10SysSoftVersion

Description Get the version of the image stored in the primary image area of the hard disk.

OID .1.3.6.1.4.1.22610.2.3.1.1.1

a10SysMemory Objects

a10SysMemoryTotal

Description Get the total amount of memory on the system. Memory is measured in Kilobytes (Kb).

OID .1.3.6.1.4.1.22610.2.3.1.2.1

a10SysMemoryUsage

Description Get the amount of memory that is currently in use. Memory is measured in Kb.

OID .1.3.6.1.4.1.22610.2.3.1.2.2

a10SysCpu Objects

a10SysCpuNumber

Description Get the number of CPUs the EX device has.

OID .1.3.6.1.4.1.22610.2.3.1.3.1

a10SysCpuTable

Description Get the CPU table, which contains usage information for each CPU.

OID .1.3.6.1.4.1.22610.2.3.1.3.2

[Table 1](#) describes the fields in this table.

TABLE 1 a10SysCpuTable fields

Field	Description
axSysCpuIndex .1.1	CPU index. (This object is not accessible.)
axSysCpuUsage .1.2	Current utilization of the CPU, measured as a percentage. The measurement is taken at the time the EX device receives the GET request. The value is a string value.

a10SysDisk Objects

a10SysDiskTotalSpace

Description Get the total amount of space on the EX hard disk. The space is measured in Megabytes (MB).

OID .1.3.6.1.4.1.22610.2.3.1.4.1

a10SysDiskFreeSpace

Description Get the amount of hard disk space that is currently free (unused). The space is measured in MB.

OID .1.3.6.1.4.1.22610.2.3.1.4.2

a10SysHwInfo Objects

a10SysHwPhyCpu1Temp

Description Get the current temperature of CPU 1. The temperature is measured in degrees Celsius.

OID .1.3.6.1.4.1.22610.2.3.1.5.1

a10SysHwPhyCpu2Temp

Description Get the current temperature of CPU 2. The temperature is measured in degrees Celsius.

OID .1.3.6.1.4.1.22610.2.3.1.5.2

a10SysHwFan1Speed

Description Get the current speed of fan number 1. The speed is measured in rotations per minute (RPMs).

OID .1.3.6.1.4.1.22610.2.3.1.5.3

10SysHwFan2Speed

Description Get the current speed of fan number 2. The speed is measured in RPMs.

OID .1.3.6.1.4.1.22610.2.3.1.5.4

a10SysHwVoltageV5

Description Get the current real voltage on the 5-volt power supply.

OID .1.3.6.1.4.1.22610.2.3.1.5.6

a10SysHwVoltageV12

Description Get the current real voltage on the 12-volt power supply.

OID .1.3.6.1.4.1.22610.2.3.1.5.7

EX MIB Objects: a10QosManagement Group

This chapter describes the MIB objects in the a10QosManagement group.

a10QosQosIf Objects

a10QosQosIfNumber

Description Get the number of QoS interfaces configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.2.1.1

a10QosQosIfTable

Description Get the EX QoS interface configuration table.

OID .1.3.6.1.4.1.22610.2.3.2.1.2

[Table 2](#) describes the fields in this table.

TABLE 2 a10QosQosIfTable fields

Field	Description
a10QosQosIfName .1.1	QoS interface name.
a10QosQosIfMap .1.2	Index of Ethernet ports binded in the QoS interface.

a10QosShape Objects

a10QosShapeNumber

Description Get the rate of traffic leaving the QoS interface, in kbps per second.

OID .1.3.6.1.4.1.22610.2.3.2.2.1

a10QosShapeCfgTable

Description Get the EX QoS shape configuration table.

OID .1.3.6.1.4.1.22610.2.3.2.2.2

[Table 3](#) describes the fields in this table.

TABLE 3 a10QosShapeCfgTable fields

Field	Description
a10QosShapeCfgIfName .1.1	Shaped QoS interface name or Ethernet port name.
a10QosShapeCfgIfType .1.2	Type of shaped interface: <ul style="list-style-type: none"> Ethernet port (0) QoS interface (1)
a10QosShapeCfgRate .1.3	Shape rate in kbps.

a10QosShapeStatTable

Description Get the EX QoS shaping statistics.

OID .1.3.6.1.4.1.22610.2.3.2.2.3

[Table 4](#) describes the fields in this table.

TABLE 4 a10QosShapeStatTable fields

Field	Description
a10QosShapeStatIfName .1.1	QoS interface name or Ethernet port name.
a10QosShapeStatIfType .1.2	Interface type: <ul style="list-style-type: none"> Ethernet port (0) QoS interface (1)
a10QosShapeStatAvrRate .1.3	Average rate in kbps.
a10QosShapeStatQueueLen .1.4	Number of queued packets on the interface.
a10QosShapeStatDropPkts .1.5	Number of dropped packets.

a10QosClass Objects

a10QosClassCfgNumber

Description Number of QoS classes configured on the EX appliance.

OID .1.3.6.1.4.1.22610.2.3.2.3.1

a10QosClassCfgTable

Description Get the EX QoS class configuration table.

OID .1.3.6.1.4.1.22610.2.3.2.3.2

[Table 5](#) describes the fields in this table.

TABLE 5 *a10QosClassCfgTable fields*

Field	Description
a10QosClassName .1.1	Class name.
a10QosClassRule .1.2	Index of rules in the class.
a10QosClassDip .1.3	Destination IP address.
a10QosClassDmask .1.4	Mask of the destination IP address.
a10QosClassDport .1.5	TCP/UDP port number, with value ranging from 1 - 65,535.
a10QosClassIfname .1.6	Interface name.
a10QosClassAppType .1.7	Layer 7 protocol name.
a10QosClassProtocal .1.8	Layer 4 protocol number, (e.g. TCP, UDP, ICMP, etc.)
a10QosClassSip .1.9	Source IP address.
a10QosClassSmask .1.10	Mask of the source IP address.
a10QosClassSport .1.11	TCP/UDP port number, with value ranging from 1 - 65,535.

TABLE 5 *a10QosClassCfgTable fields (Continued)*

Field	Description
a10QosClassVlan .1.12	VLAN number ranging from value 1 - 4,094.

a10QosPolicy Objects

a10QosPolicyNumber

Description Get the number of QoS policies.

OID .1.3.6.1.4.1.22610.2.3.2.4.1

a10QosPolicyTable

Description Get the EX QoS policy table.

OID .1.3.6.1.4.1.22610.2.3.2.4.2

[Table 5](#) describes the fields in this table.

TABLE 6 *a10QosPolicyTable fields*

Field	Description
a10QosPolicyName .1.1	QoS policy name.
a10QosClassApplyName .1.2	Class name.
a10QosClassPrecedence .1.3	Precedence of the class with values ranging from 1-10. The highest (most preferred) precedence is 1.
a10QosClassSubPolicy .1.4	Child policy name.
a10QosAction .1.5	QoS action be applied to the class.

a10QosPolicyApplyTable

Description Get the table of bindings between the QoS interface and QoS policy.

OID .1.3.6.1.4.1.22610.2.3.2.4.3

[Table 7](#) describes the fields in this table.

TABLE 7 a10QosPolicyApplyTable fields

Field	Description
a10QosPolicyApplyInterface .1.1	QoS interface name.
a10QosPolicyApplyIngressEgress .1.2	Stage of the policy being applied: <ul style="list-style-type: none"> • Ingress (0) • Egress (1)
a10QosPolicyApplyName .1.3	QoS policy name.

a10QosStat Objects

a10QosStatTable

Description Statistics of the QoS interface and classes contained.

OID .1.3.6.1.4.1.22610.2.3.2.5.1

[Table 8](#) describes the fields in this table.

TABLE 8 a10QosStatTable fields

Field	Description
a10QosStatIfName .1.1	QoS interface name.
a10QosStatPolicyName .1.2	QoS policy name.
a10QosStatClassName .1.3	QoS class name.
a10QosStatCurrRate .1.4	Current rate of the class in kbps.

TABLE 8 *a10QosStatTable fields (Continued)*

Field	Description
a10QosStatAverRate .1.5	Average rate of the class in kbps.
a10QosStatPeakRate .1.6	Peak rate of the class in kbps.
a10QosStatDropPkts .1.7	Number of dropped packet for the class.
a10QosStatActiveSession .1.8	Number of active sessions for the class.
a10QosStatPktConformLimit .1.9	Number of packets conforming to the class limit.
a10QosStatExceedLimit .1.10	Number of packets exceeding the class limit.

a10QosIpList Objects

a10QosIpListTable

Description Get the QoS IP list table. A QoS IP address list can be used to define source or destination IP addresses in QoS match rules.

OID .1.3.6.1.4.1.22610.2.3.2.6.1

[Table 9](#) describes the fields in this table.

TABLE 9 *a10QosIpListTable fields*

Field	Description
a10QosIpListName .1.1	Name of QoS IP list.
a10QosIpListIndex .1.2	Index of sub IP list.
a10QosIpListFirstIp .1.3	First IP address in sub IP list.
a10QosIpListLastIp .1.4	Last IP address in sub IP list.

a10QosSchedule Objects

a10QosScheduleTable

Description Get the EX QoS schedule table.

OID .1.3.6.1.4.1.22610.2.3.2.7.1

[Table 10](#) describes the fields in this table.

TABLE 10 a10QosScheduleTable fields

Field	Description
a10QosScheduleIndex .1.1	Index of QoS schedule.
a10QosSchedulePolicyName .1.2	QoS policy name.
a10QosScheduleDirection .1.3	Direction of the stage: <ul style="list-style-type: none"> Ingress (0) Egress (1)
a10QosScheduleStartTime .1.4	Start time at which the policy will be activated.
a10QosScheduleEndtime .1.5	End time at which the policy will be de-activated.
a10QosScheduleInterface .1.6	QoS interface to which the policy will be applied.

a10QosCategory Objects

a10QosCategoryTable

Description Configurations of the QoS category, which consists of a group of QoS classes.

OID .1.3.6.1.4.1.22610.2.3.2.8.1

[Table 11](#) describes the fields in this table.

TABLE 11 a10QosCategoryTable fields

Field	Description
a10QosCategoryName .1.1	QoS Category name.
a10QosCategoryDesc .1.2	QoS Category description.

a10QosIdGroup Objects

a10QosIdGroupTable

Description Get the QoS user ID.

OID .1.3.6.1.4.1.22610.2.3.2.9.1

[Table 12](#) describes the fields in this table.

TABLE 12 a10QosIdGroupTable fields

Field	Description
a10QosIdGroupName .1.1	QoS ID group name.
a10QosIdGroupMember .1.2	QoS ID group member.

EX MIB Objects: a10FlowManagement Group

This chapter describes the MIB objects in the a10FlowManagement group. The a10FlowManagement objects provide information about Link Load Balancing (LLB).

a10FlowMgrLink Objects

a10FlowMgrLinkDefaultLinkGroup

Description Get the name of the default LLB group.

OID .1.3.6.1.4.1.22610.2.3.3.2.1

a10FlowMgrLinkPreMask

Description Get the proximity mask used for round-trip-time (RTT) collection.

OID .1.3.6.1.4.1.22610.2.3.3.2.3

a10FlowMgrLinkRttLife

Description Get the age time for collected RTT information.

OID .1.3.6.1.4.1.22610.2.3.3.2.4

a10FlowMgrLinkNumber

Description Get the number of LLB links configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.3.2.5

a10FlowMgrLinkCfgTable

Description Get configuration information for LLB links.

OID .1.3.6.1.4.1.22610.2.3.3.2.6

[Table 13](#) describes the fields in this table.

TABLE 13 *a10FlowMgrLinkCfgTable fields*

Field	Description
a10FlowMgrLinkName .1.1	Name of the LLB link.
a10FlowMgrLinkEnable .1.2	State of the LLB link: <ul style="list-style-type: none"> • Disable (0) • Enable (1)
a10FlowMgrLinkConnLimit .1.3	Maximum number of concurrent connections allowed on the link.
(not used) .1.4	(not used)
a10FlowMgrLinkGatewayIp .1.5	IP address of next-hop gateway.
a10FlowMgrLinkGatewayMask .1.6	IP mask of next-hop gateway.
a10FlowMgrLinkNatpool .1.7	Network Address Translation (NAT) pool for QoS traffic classes on the current LLB link.
a10FlowMgrLinkBandwidth .1.8	Maximum bandwidth of the LLB link.
a10FlowMgrLinkWeight .1.9	Administrative weight of the link.
a10FlowMgrLinkMonitername .1.10	Health monitor used to check the health of the link.

a10FlowMgrLinkStatTable

Description Get statistics for LLB links.

OID .1.3.6.1.4.1.22610.2.3.3.2.7

[Table 14](#) describes the fields in this table.

TABLE 14 *a10FlowMgrLinkStatTable fields*

Field	Description
a10FlowMgrLinkStatName .1.1	Name of the LLB link.

TABLE 14 *a10FlowMgrLinkStatTable fields (Continued)*

Field	Description
a10FlowMgrLinkStatStatus .1.2	Status of the link: <ul style="list-style-type: none"> • Disable (0) • Enable (1)
a10FlowMgrLinkStatCurrentConn .1.3	Number of connections currently on the link.
a10FlowMgrLinkStatTotalConn .1.4	Total number of connections on the link.
a10FlowMgrLinkStatRecvPkts .1.5	Total number of packets received on the link.
a10FlowMgrLinkStatRecvBytes .1.6	Total number of bytes received on the link.
a10FlowMgrLinkStatSentPkts .1.7	Total number of packets sent on the link.
a10FlowMgrLinkStatSendBytes .1.8	Total number of bytes sent on the link.
a10FlowMgrLinkStatUpPkts .1.9	Total number of upstream packets on the link.
a10FlowMgrLinkStatUpBytes .1.10	Total number of upstream bytes on the link.
a10FlowMgrLinkStatDownPkts .1.11	Total number of downstream packets on the link.
a10FlowMgrLinkStatDownBytes .1.12	Total number of downstream bytes on the link.
a10FlowMgrLinkStatConnPerSecond .1.13	Number of connections per second on the link.

a10FlowMgrLinkGroupBindClassTable

Description Get the list of the QoS class bindings to LLB groups.

OID .1.3.6.1.4.1.22610.2.3.3.2.8

[Table 15](#) describes the fields in this table.

TABLE 15 *a10FlowMgrLinkGroupBindClassTable fields*

Field	Description
a10FlowMgrLinkGroupBindClassName .1.1	Class name.

TABLE 15 *a10FlowMgrLinkGroupBindClassTable fields (Continued)*

Field	Description
a10FlowMgrLinkGroupBindLinkName .1.2	LLB group name.

a10FlowMgrLinkGroupTable

Description Get configuration information for LLB groups.

OID .1.3.6.1.4.1.22610.2.3.3.2.9

[Table 16](#) describes the fields in this table.

TABLE 16 *a10FlowMgrLinkGroupStatTable fields*

Field	Description
a10FlowMgrLinkGroupName .1.1	LLB group name.
a10FlowMgrLinkGroupNode .1.2	LLB link name.
a10FlowMgrLinkGroupMethod .1.3	Load balancing method used to select links in the group.
a10FlowMgrLinkGroupPersistent .1.4	State of the persistence option: <ul style="list-style-type: none"> • Disable (0) • Enable (1)

a10FlowMgrLinkGroupStatTable

Description Get LLB group statistics.

OID .1.3.6.1.4.1.22610.2.3.3.2.10

[Table 17](#) describes the fields in this table.

TABLE 17 *a10FlowMgrLinkGroupStatTable fields*

Field	Description
a10FlowMgrLinkGroupStatName .1.1	LLB group name.

TABLE 17 *a10FlowMgrLinkGroupStatTable fields (Continued)*

Field	Description
a10FlowMgrLinkGroupStatCurrentConn .1.2	Number of connections currently on the group.
a10FlowMgrLinkGroupStatTotalConn .1.3	Total number of connections on the group.
a10FlowMgrLinkGroupStatRecvPkts .1.4	Total number of packets received on the group.
a10FlowMgrLinkGroupStatRecvBytes .1.5	Total number of bytes received on the group.
a10FlowMgrLinkGroupStatSentPkts .1.6	Total number of packets sent on the group.
a10FlowMgrLinkGroupStatSendBytes .1.7	Total number of bytes sent on the group.

a10FlowMgrDomain Objects

a10FlowMgrDomainNumber

Description Get the number of LLB domains configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.3.3.1

a10FlowMgrDomainTable

Description Get configuration information for LLB domains.

OID .1.3.6.1.4.1.22610.2.3.3.3.2

[Table 18](#) describes the fields in this table.

TABLE 18 *a10FlowMgrDomainTable fields*

Field	Description
a10FlowMgrDomainName .1.1	Domain name.

TABLE 18 a10FlowMgrDomainTable fields (Continued)

Field	Description
a10FlowMgrDomainPolicy .1.2	Include/exclude policy: <ul style="list-style-type: none"> • Include (0) – An FQDN matches only when it matches the domain and one of its hosts. • Exclude (0) – An FQDN matches only when it matches the domain but does not match any of its hosts.
a10FlowMgrDomainHostname .1.3	Hostname that belongs to the domain.
a10FlowMgrDomainGroup .1.4	N/A

a10FlowMgrFirewall Objects

a10FlowMgrFwNodeNumber

Description Get the number of Firewall Load Balanced (FWLB) nodes.

OID .1.3.6.1.4.1.22610.2.3.3.4.1

a10FlowMgrFwGroupNumber

Description Get the number of FWLB groups.

OID .1.3.6.1.4.1.22610.2.3.3.4.2

a10FlowMgrFwEnable

Description FWLB status:

- Disabled (0)
- Enabled inside FWLB (1)
- Enabled outside FWLB (2)

OID .1.3.6.1.4.1.22610.2.3.3.4.3

a10FlowMgrFwNodeCfgTable

Description Get the EX flow manager firewall node configuration table.

OID .1.3.6.1.4.1.22610.2.3.3.4.11

[Table 19](#) describes the fields in this table.

TABLE 19 a10FlowMgrFwNodeCfgTable fields

Field	Description
a10FlowMgrFwNodeName .1.1	Name of firewall node.
(not used) .1.2	(not used)
a10FlowMgrFwNodeType .1.3	Server type (firewall type value = 7).
a10FlowMgrFwNodeIp .1.4	IP address of firewall node.
a10FlowMgrFwNodeMask .1.5	Network mask of firewall node.
a10FlowMgrFwNodeEnable .1.6	State of the firewall node: <ul style="list-style-type: none"> • Disabled (0) • Enabled (1)
a10FlowMgrFwNodeMonitername .1.7	Name of the health monitor bound to the firewall node.
a10FlowMgrFwNodeConnLimit .1.8	Connection limit of firewall node.
a10FlowMgrFwNodeWeight .1.9	Weight of firewall node.

a10FlowMgrFwNodeStatTable

Description Get the EX firewall node statistics table.

OID .1.3.6.1.4.1.22610.2.3.3.4.12

[Table 20](#) describes the fields in this table.

TABLE 20 *a10FlowMgrFwNodeStatTable fields*

Field	Description
a10FlowMgrFwNodeStatName .1.1	Name of firewall node.
a10FlowMgrFwNodeStatStatus .1.2	Firewall server status: <ul style="list-style-type: none"> • Running (1) • Stopped (2) • Incomplete (configuration) (3) • Deleted (5)
a10FlowMgrFwNodeStatCurrentConn .1.3	Number of current connections on the firewall node.
a10FlowMgrFwNodeStatTotalConn .1.4	Total number of connections on the firewall node.
a10FlowMgrFwNodeStatRecvPkts .1.5	Number of received packets on the firewall node.
a10FlowMgrFwNodeStatRecvBytes .1.6	Number of received bytes on the firewall node.
a10FlowMgrFwNodeStatSentPkts .1.7	Number of packets sent from the firewall node.
a10FlowMgrFwNodeStatSendBytes .1.8	Sent bytes sent from the firewall node.

a10FlowMgrFwGroupTable

Description Get the EX flow manager firewall group table.

OID .1.3.6.1.4.1.22610.2.3.3.4.13

[Table 21](#) describes the fields in this table.

TABLE 21 *a10FlowMgrFwGroupTable fields*

Field	Description
a10FlowMgrFwGroupName .1.1	Firewall group name.
a10FlowMgrFwGroupNode .1.2	Node name in the firewall group.

TABLE 21 *a10FlowMgrFwGroupTable fields (Continued)*

Field	Description
a10FlowMgrFwGroupMethod .1.3	Firewall load balancing method: <ul style="list-style-type: none"> • Round Robin (1) • Least Connection (2) • Weighted Round Robin (5) • Weighted Least Connection (6)
a10FlowMgrFwGroupPersistent .1.4	Persistent.

a10FlowMgrFwBindClassTable

Description Get the EX flow manager FWLB bind class table.

OID .1.3.6.1.4.1.22610.2.3.3.4.14

[Table 22](#) describes the fields in this table.

TABLE 22 *a10FlowMgrFwBindClassTable fields*

Field	Description
a10FlowMgrFwBindClassName .1.1	Class name.
a10FlowMgrFwBindGroupName .1.2	Firewall group name.

a10FlowMgrFwGroupStatTable

Description Get the EX flow manager FWLB group statistics table.

OID .1.3.6.1.4.1.22610.2.3.3.4.15

[Table 23](#) describes the fields in this table.

TABLE 23 *a10FlowMgrFwGroupStatTable fields*

Field	Description
a10FlowMgrFwGroupStatName .1.1	Firewall group name.

TABLE 23 *a10FlowMgrFwGroupStatTable fields (Continued)*

Field	Description
a10FlowMgrFwGroupStatCurrentConn .1.2	Current connections.
a10FlowMgrFwGroupStatTotalConn .1.3	Total connections.
a10FlowMgrFwGroupStatRecvPkts .1.4	Received packets.
a10FlowMgrFwGroupStatRecvBytes .1.5	Received bytes.
a10FlowMgrFwGroupStatSentPkts .1.6	Sent packets.
a10FlowMgrFwGroupStatSendBytes .1.7	Sent bytes.

a10FlowMgrCache Objects

a10FlowMgrCacheNodeNumber

Description Get the number of Cache Load Balancing (CLB) nodes.

OID .1.3.6.1.4.1.22610.2.3.3.5.1

a10FlowMgrCacheGroupNumber

Description Get the number of CLB groups.

OID .1.3.6.1.4.1.22610.2.3.3.5.2

a10FlowMgrCacheNodeCfgTable

Description Get the EX flow manager cache node configuration table.

OID .1.3.6.1.4.1.22610.2.3.3.5.3

[Table 24](#) describes the fields in this table.

TABLE 24 *a10FlowMgrCacheNodeCfgTable fields*

Field	Description
(not used)	(not used)
.1.1	
a10FlowMgrCacheNodeName	Cache node name.
.1.2	
a10FlowMgrCacheNodeType	Type.
.1.3	
a10FlowMgrCacheNodeIp	IP address.
.1.4	
a10FlowMgrCacheNodeEnable	State of the cache node: <ul style="list-style-type: none"> • Disabled (0) • Enabled (1)
.1.5	
a10FlowMgrCacheNodeMonitername	Health monitor.
.1.6	
a10FlowMgrCacheNodeConnLimit	Connection limit.
.1.7	
a10FlowMgrCacheNodeWeight	Weight.
.1.8	

a10FlowMgrCacheNodeStatTable

Description Get the EX flow manager cache node statistics table.

OID .1.3.6.1.4.1.22610.2.3.3.5.4

[Table 25](#) describes the fields in this table.

TABLE 25 *a10FlowMgrCacheNodeStatTable fields*

Field	Description
a10FlowMgrCacheNodeStatus	Name.
.1.1	
a10FlowMgrCacheNodeStatName	Cache node status: <ul style="list-style-type: none"> • Running (1) • Stopped (2) • Incomplete (configuration) (3) • Deleted (5)
.1.2	

TABLE 25 *a10FlowMgrCacheNodeStatTable fields (Continued)*

Field	Description
a10FlowMgrCacheNodeStatCurrentConn .1.3	Current connections.
a10FlowMgrCacheNodeStatTotalConn .1.4	Total connections.
a10FlowMgrCacheNodeStatRecvPkts .1.5	Received packets.
a10FlowMgrCacheNodeStatRecvBytes .1.6	Received bytes.
a10FlowMgrCacheNodeStatSentPkts .1.7	Sent packets.
a10FlowMgrCacheNodeStatSendBytes .1.8	Sent bytes.

a10FlowMgrCacheGroupTable

Description Get the EX flow manager cache group table.

OID .1.3.6.1.4.1.22610.2.3.3.5.5

[Table 26](#) describes the fields in this table.

TABLE 26 *a10FlowMgrCacheGroupTable fields*

Field	Description
a10FlowMgrCacheGroupName .1.1	Group name.
a10FlowMgrCacheGroupNode .1.2	Node name.
a10FlowMgrCacheGroupMethod .1.3	Cache load balancing method: <ul style="list-style-type: none"> • Round robin (1) • Least Connection (2) • 5: Weighted Round Robin (5) • 6: Weighted Least Connection (6)
a10FlowMgrCacheGroupPersistent .1.4	Persistent.

a10FlowMgrCacheBindClassTable

Description Get the EX CLB group and class bindings table.

OID .1.3.6.1.4.1.22610.2.3.3.5.6

[Table 27](#) describes the fields in this table.

TABLE 27 a10FlowMgrCacheBindClassTable fields

Field	Description
a10FlowMgrCacheBindClassName .1.1	Class.
a10FlowMgrCacheBindGroupName .1.2	Group.

a10FlowMgrCacheGroupStatTable

Description Get the EX flow manager cache group statistics table.

OID .1.3.6.1.4.1.22610.2.3.3.5.7

[Table 28](#) describes the fields in this table.

TABLE 28 a10FlowMgrCacheGroupStatTable fields

Field	Description
a10FlowMgrCacheGroupStatName .1.1	Name.
a10FlowMgrCacheGroupStatCurrentConn .1.2	Current connections.
a10FlowMgrCacheGroupStatTotalConn .1.3	Total connections.
a10FlowMgrCacheGroupStatRecvPkts .1.4	Received packets.
a10FlowMgrCacheGroupStatRecvBytes .1.5	Received bytes.
a10FlowMgrCacheGroupStatSentPkts .1.6	Sent packets.
a10FlowMgrCacheGroupStatSendBytes .1.7	Sent bytes.

a10FlowMgrService Objects

a10FlowMgrServiceNodeNumber

Description Get the number of SLB nodes.

OID .1.3.6.1.4.1.22610.2.3.3.6.1

a10FlowMgrServiceGroupNumber

Description Get the number of SLB groups.

OID .1.3.6.1.4.1.22610.2.3.3.6.2

a10FlowMgrServiceVsNumber

Description Get the number of Server Load Balancer (SLB) virtual servers.

OID .1.3.6.1.4.1.22610.2.3.3.6.3

a10FlowMgrServiceNodeCfgTable

Description Get the EX service node configuration table.

OID .1.3.6.1.4.1.22610.2.3.3.6.4

[Table 29](#) describes the fields in this table.

TABLE 29 a10FlowMgrServiceNodeCfgTable fields

Field	Description
(not used)	(not used)
.1.1	
a10FlowMgrServiceNodeName	Name.
.1.2	
a10FlowMgrServiceNodeType	Server Type (value = 7).
.1.3	
a10FlowMgrServiceNodeIp	IP address.
.1.4	
a10FlowMgrServiceNodeEnable	State of the service node:
.1.5	<ul style="list-style-type: none"> Disabled (0) Enabled (1)

TABLE 29 *a10FlowMgrServiceNodeCfgTable fields (Continued)*

Field	Description
a10FlowMgrServiceNodeMonitername .1.6	Health monitor.
a10FlowMgrServiceNodeConnLimit .1.7	Connection limit.
a10FlowMgrServiceNodeWeight .1.8	Weight.
a10FlowMgrServiceNodePortProto .1.9	Protocol (port).
a10FlowMgrServiceNodePortNumber .1.10	Port number (port).
a10FlowMgrServiceNodePortEnable .1.11	State of the service node port: <ul style="list-style-type: none"> • Disabled (0) • Enabled (1)
a10FlowMgrServiceNodePortConnLimit .1.12	Connection limit (port).
a10FlowMgrServiceNodePortWeight .1.13	Weight (port).

a10FlowMgrServiceNodeStatTable

Description Get the EX flow manager service node statistics table.

OID .1.3.6.1.4.1.22610.2.3.3.6.5

[Table 30](#) describes the fields in this table.

TABLE 30 *a10FlowMgrServiceNodeStatTable fields*

Field	Description
a10FlowMgrServiceNodeStatName .1.1	Name.
a10FlowMgrServiceNodeStatStatus .1.2	Service node status: <ul style="list-style-type: none"> • Running (1) • Stopped (2) • Incomplete (configuration) (3) • Deleted (5)
a10FlowMgrServiceNodeStatCurrentConn .1.3	Current connections.

TABLE 30 *a10FlowMgrServiceNodeStatTable fields (Continued)*

Field	Description
a10FlowMgrServiceNodeStatTotalConn .1.4	Total connections.
a10FlowMgrServiceNodeStatRecvPkts .1.5	Received packets.
a10FlowMgrServiceNodeStatRecvBytes .1.6	Received bytes.
a10FlowMgrServiceNodeStatSentPkts .1.7	Sent packets.
a10FlowMgrServiceNodeStatSendBytes .1.8	Sent bytes.

a10FlowMgrServiceGroupTable

Description Get the EX flow manager service group table.

OID .1.3.6.1.4.1.22610.2.3.3.6.6

[Table 31](#) describes the fields in this table.

TABLE 31 *a10FlowMgrServiceGroupTable fields*

Field	Description
a10FlowMgrServiceGroupName .1.1	Group name.
a10FlowMgrServiceGroupNode .1.2	Name.
a10FlowMgrServiceGroupMethod .1.3	Server load balancing method: <ul style="list-style-type: none"> • Round Robin (1) • Least Connection (2) • Weighted Round Robin (5) • Weighted Least Connection (6)
a10FlowMgrServiceGroupPersistent .1.4	Persistent.
a10FlowMgrServiceGroupType .1.5	Service group type: <ul style="list-style-type: none"> • TCP (1) • UDP (2) • L3 (3)
a10FlowMgrServiceGroupPortProto .1.6	Protocol.

TABLE 31 *a10FlowMgrServiceGroupTable fields (Continued)*

Field	Description
a10FlowMgrServiceGroupPortNumber .1.7	Port number (port).

a10FlowMgrServiceVsTable

Description Get the EX flow manager service virtual server table.

OID .1.3.6.1.4.1.22610.2.3.3.6.7

[Table 32](#) describes the fields in this table.

TABLE 32 *a10FlowMgrServiceVsTable fields*

Field	Description
a10FlowMgrServiceVsName .1.1	Name.
a10FlowMgrServiceVsGroup .1.2	Service group (real servers) behind the virtual server.
a10FlowMgrServiceVsIp .1.3	IP address of virtual server.
a10FlowMgrServiceVsPort .1.4	Port number (virtual port).
a10FlowMgrServiceVsProtocol .1.5	Protocol (virtual port).

a10FlowMgrServiceGroupStatTable

Description Get the EX flow manager service group statistics table.

OID .1.3.6.1.4.1.22610.2.3.3.6.8

[Table 33](#) describes the fields in this table.

TABLE 33 *a10FlowMgrServiceGroupStatTable fields*

Field	Description
a10FlowMgrServiceGroupStatName .1.1	Name.

TABLE 33 *a10FlowMgrServiceGroupStatTable fields (Continued)*

Field	Description
a10FlowMgrServiceGroupStatCurrentConn .1.2	Current connection.
a10FlowMgrServiceGroupStatTotalConn .1.3	Total connection.
a10FlowMgrServiceGroupStatRecvPkts .1.4	Received packets.
a10FlowMgrServiceGroupStatRecvBytes .1.5	Received bytes.
a10FlowMgrServiceGroupStatSentPkts .1.6	Sent packets.
a10FlowMgrServiceGroupStatSendBytes .1.7	Sent bytes.

a10FlowMgrVsGroupStatTable

Description Get the EX virtual server group statistics table.

OID .1.3.6.1.4.1.22610.2.3.3.6.9

[Table 34](#) describes the fields in this table.

TABLE 34 *a10FlowMgrVsGroupStatTable fields*

Field	Description
a10FlowMgrVsGroupStatName .1.1	Name.
a10FlowMgrVsGroupStatCurrentConn .1.2	Current connections.
a10FlowMgrVsGroupStatTotalConn .1.3	Total connections.
a10FlowMgrVsGroupStatRecvPkts .1.4	Received packets.
a10FlowMgrVsGroupStatRecvBytes .1.5	Received bytes.
a10FlowMgrVsGroupStatSentPkts .1.6	Sent packets.
a10FlowMgrVsGroupStatSendBytes .1.7	Sent bytes.

a10FlowMgrVsPortStatTable

Description Get the EX fow manager virtual server port statistics table.

OID .1.3.6.1.4.1.22610.2.3.3.6.10

[Table 35](#) describes the fields in this table.

TABLE 35 a10FlowMgrVsPortStatTable fields

Field	Description
a10FlowMgrVsPortStatName .1.1	Name.
a10FlowMgrVsPortStatProtocol .1.2	Protocol.
a10FlowMgrVsPortStatPort .1.3	Port number.
a10FlowMgrVsPortStatCurrentConn .1.4	Current connections.
a10FlowMgrVsPortStatTotalConn .1.5	Total connections.
a10FlowMgrVsPortStatRecvPkts .1.6	Received packets.
a10FlowMgrVsPortStatRecvBytes .1.7	Received bytes.
a10FlowMgrVsPortStatSentPkts .1.8	Sent packets.
a10FlowMgrVsPortStatSendBytes .1.9	Sent bytes.

a10FlowMgrNodePortStatTable

Description Get the EX flow manager node port statistics table.

OID .1.3.6.1.4.1.22610.2.3.3.6.11

[Table 36](#) describes the fields in this table.

TABLE 36 *a10FlowMgrNodePortStatTable fields*

Field	Description
a10FlowMgrNodePortStatName .1.1	Name.
a10FlowMgrNodePortStatProtocol .1.2	Protocol.
a10FlowMgrNodePortStatPort .1.3	Port number.
a10FlowMgrNodePortStatCurrentConn .1.4	Current connections.
a10FlowMgrNodePortStatTotalConn .1.5	Total connections.
a10FlowMgrNodePortStatRecvPkts .1.6	Received packets.
a10FlowMgrNodePortStatRecvBytes .1.7	Received bytes.
a10FlowMgrNodePortStatSentPkts .1.8	Sent packets.
a10FlowMgrNodePortStatSendBytes .1.9	Sent bytes.

EX MIB Objects: a10HealthMonitor Group

This chapter describes the MIB objects in the a10HealthMonitor group.

a10Hmethod Objects

a10HmethodIcmpNumber

Description Get the number of ICMP health methods configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.4.1.1.1

a10HmethodIcmpTable

Description Get configuration information about the ICMP health methods.

OID .1.3.6.1.4.1.22610.2.3.4.1.1.2

[Table 37](#) describes the fields in this table.

TABLE 37 a10HmethodIcmpTable fields

Field	Description
a10HmethodIcmpName .1.1	Name of the health method.
a10HmethodIcmpMode .1.2	State of the transparent mode option: <ul style="list-style-type: none"> • Disabled (0) • Enabled (1)
a10HmethodIcmpTargetHost .1.3	IP address checked by the health method.

a10HmethodTcpNumber

Description Get the number of TCP health methods configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.4.1.2.1

a10HmethodTcpTable

Description Get configuration information about the TCP health methods.

OID .1.3.6.1.4.1.22610.2.3.4.1.2.2

[Table 38](#) describes the fields in this table.

TABLE 38 a10HmethodTcpTable fields

Field	Description
a10HmethodTcpName .1.1	Name of the health method.
a10HmethodHalfOpenEnable .1.2	State of the half-open option: <ul style="list-style-type: none"> • Disabled (0) – The EX device responds to the SYN ACK by sending an ACK. • Enabled (1) – The EX device responds to the SYN ACK by sending a RST (Reset).
a10HmethodTcpPort .1.3	Protocol port number checked by the health method.

a10HmethodUdpNumber

Description Get the number of UDP health methods configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.4.1.3.1

a10HmethodUdpTable

Description Get configuration information about the UDP health methods.

OID .1.3.6.1.4.1.22610.2.3.4.1.3.2

[Table 39](#) describes the fields in this table.

TABLE 39 a10HmethodUdpTable fields

Field	Description
a10HmethodUdpName .1.1	Name of the health method.
a10HmethodUdpPort .1.2	Protocol port number checked by the health method.

a10HmethodHttpNumber

Description Get the number of HTTP health methods configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.4.1.4.1

a10HmethodHttpTable

Description Get configuration information about the HTTP health methods.

OID .1.3.6.1.4.1.22610.2.3.4.1.4.2

[Table 40](#) describes the fields in this table.

TABLE 40 a10HmethodHttpTable fields

Field	Description
a10HmethodHttpName .1.1	Name of the health method.
a10HmethodHttpPort .1.2	Protocol port number checked by the health method.
a10HmethodhttpUser .1.3	Username required for access to the target of the health check.
a10HmethodHttpPassword .1.4	Password required for access to the target of the health check.
a10HmethodhttpUrl .1.5	URL requested by the health method.
a10HmethodhttpExpect .1.6	Response expected from the server in order to pass a health check.

a10HmethodFtpNumber

Description Get the number of FTP health methods configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.4.1.5.1

a10HmethodFtpTable

Description Get configuration information about the FTP health methods.

OID .1.3.6.1.4.1.22610.2.3.4.1.5.2

[Table 41](#) describes the fields in this table.

TABLE 41 a10HmethodFtpTable fields

Field	Description
a10HmethodFtpName .1.1	Name of the health method.
a10HmethodFtpPort .1.2	Protocol port number checked by the health method.
a10HmethodFtpUser .1.3	Username required for access to the target of the health check.
a10HmethodFtpPassword .1.4	Password required for access to the target of the health check.

a10HmethodSnmpNumber

Description Get the number of SNMP health methods configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.4.1.6.1

a10HmethodSnmpTable

Description Get configuration information about the SNMP health methods.

OID .1.3.6.1.4.1.22610.2.3.4.1.6.2

[Table 42](#) describes the fields in this table.

TABLE 42 a10HmethodSnmpTable fields

Field	Description
a10HmethodSnmpName .1.1	Name of the health method.
a10HmethodSnmpPort .1.2	Protocol port number checked by the health method.

TABLE 42 *a10HmethodSnmptable fields (Continued)*

Field	Description
a10HmethodSnmptCommunity .1.3	Community string sent to the server.
a10HmethodSnmptOperation .1.4	SNMP request type sent to the server: <ul style="list-style-type: none"> • Get (1) • Get Next (2)
a10HmethodSnmptOid .1.5	Object Identifier (OID) sent to the server.

a10HmethodSmtptNumber

Description Get the number of SMTP health methods configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.4.1.7.1

a10HmethodSmtptTable

Description Get configuration information about the SMTP health methods.

OID .1.3.6.1.4.1.22610.2.3.4.1.7.2

[Table 43](#) describes the fields in this table.

TABLE 43 *a10HmethodSmtptTable fields*

Field	Description
a10HmethodSmtptName .1.1	Name of the health method.
a10HmethodSmtptPort .1.2	Protocol port number checked by the health method.
a10HmethodSmtptDomain .1.3	SMTP Domain to which requests are sent.

a10HmethodDnsNumber

Description Get the number of DNS health methods configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.4.1.8.1

a10HmethodDnsTable

Description Get configuration information about the DNS health methods.

OID .1.3.6.1.4.1.22610.2.3.4.1.8.2

[Table 44](#) describes the fields in this table.

TABLE 44 a10HmethodDnsTable fields

Field	Description
a10HmethodDnsName .1.1	Name of the health method.
a10HmethodDnsPort .1.2	Protocol port number checked by the health method.
a10HmethodDnsDomain .1.3	Domain name requested by the health method.

a10HmethodPop3Number

Description Get the number of POP3 health methods configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.4.1.9.1

a10HmethodPop3Table

Description Get configuration information about the POP3 health methods.

OID .1.3.6.1.4.1.22610.2.3.4.1.9.2

[Table 45](#) describes the fields in this table.

TABLE 45 a10HmethodPop3Table fields

Field	Description
a10HmethodPop3Name .1.1	Name of the health method.
a10HmethodPop3Port .1.2	Protocol port number checked by the health method.
a10HmethodPop3User .1.3	Username required for access to the target of the health check.

TABLE 45 *a10HmethodPop3Table fields (Continued)*

Field	Description
a10HmethodPop3Password .1.4	Password required for access to the target of the health check.

a10HmethodRadiusNumber

Description Get the number of RADIUS health methods configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.4.1.10.1

10HmethodRadiusTable

Description Get configuration information about the RADIUS health methods.

OID .1.3.6.1.4.1.22610.2.3.4.1.10.2

[Table 46](#) describes the fields in this table.

TABLE 46 *a10HmethodRadiusTable fields*

Field	Description
a10HmethodRadiusName .1.1	Name of the health method.
a10HmethodRadiusPort .1.2	Protocol port number checked by the health method.
a10HmethodRadiusUser .1.3	Username required for access to the target of the health check.
a10HmethodRadiusPassword .1.4	Password required for access to the target of the health check.
a10HmethodRadiusSecret .1.5	Shared secret required for access to the RADIUS server.

a10HmethodLdapNumber

Description Get the number of LDAP health methods configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.4.1.11.1

a10HmethodLdapTable

Description Get configuration information about the LDAP health methods.

OID .1.3.6.1.4.1.22610.2.3.4.1.11.2

[Table 47](#) describes the fields in this table.

TABLE 47 a10HmethodLdapTable fields

Field	Description
a10HmethodLdapName .1.1	Name of the health method.
a10HmethodLdapPort .1.2	Protocol port number checked by the health method.
a10HmethodLdapOverSSL .1.3	Indicates whether SSL is used for requests: <ul style="list-style-type: none"> • Disabled (0) • Enabled (1)
a10HmethodLdapBindDn .1.4	Distinguished Name requested by the health method.
a10HmethodLdapPassword .1.5	Password required for access to the target of the health check.

a10HmethodRtspNumber

Description Get the number of RTSP health methods configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.4.1.12.1

a10HmethodRtspTable

Description Get configuration information about the RTSP health methods.

OID .1.3.6.1.4.1.22610.2.3.4.1.12.2

[Table 48](#) describes the fields in this table.

TABLE 48 a10HmethodRtspTable fields

Field	Description
a10HmethodRtspName .1.1	Name of the health method.

TABLE 48 *a10HmethodRtspTable fields (Continued)*

Field	Description
a10HmethodRtspPort .1.2	Protocol port number checked by the health method.
a10HmethodRtspURL .1.3	Filename for which the health method requests information.

a10HmethodHttpsNumber

Description Get the number of HTTPS health methods configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.4.1.13.1

a10HmethodHttpsTable

Description Get configuration information about the HTTPS health methods.

OID .1.3.6.1.4.1.22610.2.3.4.1.13.2

[Table 49](#) describes the fields in this table.

TABLE 49 *a10HmethodHttpsTable fields*

Field	Description
a10HmethodHttpsName .1.1	Name of the health method.
a10HmethodHttpsPort .1.2	Protocol port number checked by the health method.
a10HmethodHttpsUser .1.3	Username required for access to the target of the health check.
a10HmethodHttpsPassword .1.4	Password required for access to the target of the health check.
a10HmethodHttpsUrl .1.5	URL requested by the health method.
a10HmethodHttpsExpect .1.6	Response expected from the server in order to pass a health check.

a10HmethodSipNumber

Description Get the number of SIP health methods configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.4.1.14.1

a10HmethodSipTable

Description Get configuration information about the SIP health methods.

OID .1.3.6.1.4.1.22610.2.3.4.1.14.2

[Table 50](#) describes the fields in this table.

TABLE 50 a10HmethodSipTable fields

Field	Description
a10HmethodSipName .1.1	Name of the health method.
a10HmethodSipPort .1.2	Protocol port number checked by the health method.

a10HmethodExternalNumber

Description Get the number of external health methods configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.4.1.15.1

a10HmethodExternalTable

Description Get configuration information about the external health methods.

OID .1.3.6.1.4.1.22610.2.3.4.1.15.2

[Table 51](#) describes the fields in this table.

TABLE 51 a10HmethodExternalTable fields

Field	Description
a10HmethodExternalName .1.1	Name of the health method.

TABLE 51 *a10HmethodExternalTable fields (Continued)*

Field	Description
a10HmethodExternalPort .1.2	Destination protocol port checked by the health method.
a10HmethodExternalProgram .1.3	Name of the external program used by the health method.
a10HmethodExternalArguments .1.4	Name of the program arguments used by the health method.

a10Hmonitor Objects

a10HmonitorNumber

Description Get the number of health monitors configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.4.2.1

a10HmonitorTable

Description Get information about health monitors.

OID .1.3.6.1.4.1.22610.2.3.4.2.2

[Table 52](#) describes the fields in this table.

TABLE 52 *a10HmonitorTable fields*

Field	Description
(not used) .1.1	(not used)
a10HmonitorName .1.2	Name of the health monitor.
a10HmonitorMethod .1.3	Method used by the health monitor.
a10HmonitorRetry .1.4	Number of retries allowed for the health monitor.
a10HmonitorInterval .1.5	Number of seconds between each use of the health monitor.

TABLE 52 a10HmonitorTable fields (Continued)

Field	Description
a10HmonitorTimeout .1.6	Number of seconds the EX device waits for a reply to a health check.

EX MIB Objects: a10lps Group

This chapter describes the MIB objects in the a10lps group. The a10lps objects provide statistics for Intrusion Prevention System (IPS) rules.

a10lps Objects

a10lpsHoldSrcIpDropPkts

Description Get the number of packets blocked by a source IP hold rule.

OID .1.3.6.1.4.1.22610.2.3.5.1

a10lpsPingOfDeathDropPkts

Description Get the number of packets dropped by a maximum-length ping rule.

OID .1.3.6.1.4.1.22610.2.3.5.2

a10lpsIpMaxKnownProtocolDropPkts

Description Get the number of packets dropped because the protocol number was higher than the maximum protocol number specified in an IPS rule.

OID .1.3.6.1.4.1.22610.2.3.5.3

a10lpsIpLandDropPkts

Description Get the number of packets dropped by an IP land attack rule.

OID .1.3.6.1.4.1.22610.2.3.5.4

a10lpsTcpSynFragmentDropPkts

Description Get the number of packets dropped by a TCP SYN fragment rule.

OID .1.3.6.1.4.1.22610.2.3.5.5

a10lpsTcpCheckFlagDropPkts

Description Get the number of packets dropped by a TCP checkflag rule.

OID .1.3.6.1.4.1.22610.2.3.5.6

a10lpsIcmpBroadcastEchReqDropPkts

Description Get the number of packets dropped by an ICMP broadcast echo request rule.

OID .1.3.6.1.4.1.22610.2.3.5.7

a10lpsUdpBroadcastEchReqDropPkts

Description Get the number of packets dropped by a UDP broadcast echo request rule.

OID .1.3.6.1.4.1.22610.2.3.5.8

a10lpsIcmpBroadcastDropPkts

Description Get the number of packets dropped by an ICMP broadcast rule.

OID .1.3.6.1.4.1.22610.2.3.5.9

a10lpsIpRecordRouteOptionDropPkts

Description Get the number of packets dropped by a record-route option rule.

OID .1.3.6.1.4.1.22610.2.3.5.10

a10lpsIpStrictSourceRouteOptionDropPkts

Description Get the number of packets dropped by a source-route option rule.

OID .1.3.6.1.4.1.22610.2.3.5.11

a10lpsIpSecurityOptionDropPkts

Description Get the number of packets dropped by an IP security option rule.

OID .1.3.6.1.4.1.22610.2.3.5.12

a10lpsIpLooseSourceRouteOptionDropPkts

Description Get the number of packets dropped by an IP loose-source route option rule.

OID .1.3.6.1.4.1.22610.2.3.5.13

a10lpsIpMalformOptionDropPkts

Description Get the number of packets dropped by an IP malformed option rule.

OID .1.3.6.1.4.1.22610.2.3.5.14

a10lpsIpWithOptionDropPkts

Description Get the number of packets dropped by an IP option rule. This type of rule drops packets containing any value in the options field of the IP header.

OID .1.3.6.1.4.1.22610.2.3.5.15

a10lpsIpTimestampOptionDropPkts

Description Get the number of packets dropped by an IP timestamp option rule.

OID .1.3.6.1.4.1.22610.2.3.5.16

a10lpsIpStreamOptionDropPkts

Description Get the number of packets dropped by an IP stream option rule.

OID .1.3.6.1.4.1.22610.2.3.5.17

a10lpsIpAllFragmentDropPkts

Description Get the number of packets dropped by an IP fragment rule.

OID .1.3.6.1.4.1.22610.2.3.5.18

a10lpsSynFloodDropPkts

Description Get the number of packets dropped by a TCP SYN flood rule.

OID .1.3.6.1.4.1.22610.2.3.5.19

a10lpslcmpAttackDropPkts

Description Get the number of packets dropped by an ICMP attack rule.

OID .1.3.6.1.4.1.22610.2.3.5.20

a10lpslcmpFloodDropPkts

Description Get the number of packets dropped by an ICMP flood rule.

OID .1.3.6.1.4.1.22610.2.3.5.21

a10lpsTcpFloodDropPkts

Description Get the number of packets dropped by a TCP flood rule.

OID .1.3.6.1.4.1.22610.2.3.5.22

a10lpsUdpFloodDropPkts

Description Get the number of packets dropped by a UDP flood rule.

OID .1.3.6.1.4.1.22610.2.3.5.23

10lpslcmpAddressSweepDropPkts

Description Get the number of packets dropped by an ICMP address sweep rule.

OID .1.3.6.1.4.1.22610.2.3.5.24

a10lpsUdpAddressSweepDropPkts

Description Get the number of packets dropped by a UDP address sweep rule.

OID .1.3.6.1.4.1.22610.2.3.5.25

a10lpsPortScanDropPkts

Description Get the number of packets dropped by a port scan rule.

OID .1.3.6.1.4.1.22610.2.3.5.26

a10IpsExceedRateDstDropPkts

Description Get the number of packets dropped by an exceed-rate destination rule.

OID .1.3.6.1.4.1.22610.2.3.5.27

a10IpsExceedRateSrcDropPkts

Description Get the number of packets dropped by an exceed-rate source rule.

OID .1.3.6.1.4.1.22610.2.3.5.28

EX MIB Objects: a10Vlan Group

This chapter describes the MIB objects in the a10Vlan group.

a10Vlan Objects

a10VlanNumber

Description Get the number of VLANs configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.7.1

a10VlanTable

Description Get configuration information about VLANs.

OID .1.3.6.1.4.1.22610.2.3.7.2

[Table 53](#) describes the fields in this table.

TABLE 53 a10VlanTable fields

Field	Description
a10VlanId .1.1	VLAN ID.
a10VlanPortIndex .1.2	Members (ports) of the VLAN.
a10VlanTagflag .1.3	VLAN tag value.

EX MIB Objects: a10Ha Group

This chapter describes the MIB objects in the a10Ha group.

a10Ha Objects

a10HaGroupNumber

Description Get the number of High Availability (HA) virtual groups configured on the EX device.

OID .1.3.6.1.4.1.22610.2.3.8.1

a10HaGroupTable

Description Get configuration information for HA virtual groups.

OID .1.3.6.1.4.1.22610.2.3.8.2

[Table 54](#) describes the fields in this table.

TABLE 54 a10HaGroupTable fields

Field	Description
a10HaGroupID .1.1	Virtual group ID.
a10HaGroupState .1.2	Current state of the virtual group: <ul style="list-style-type: none"> inactive (0) active (1)
a10HaGroupCurPriority .1.3	Current priority of the virtual group, ranging from 1-255.
a10HaGroupPreempt .1.4	State of preemptive mode of the virtual group: <ul style="list-style-type: none"> disabled (0) enabled (1)
a10HaGroupPriority .1.5	Virtual group configured priority, ranging from 1-255.
a10HaGroupEnable .1.6	State of the virtual group: <ul style="list-style-type: none"> disabled (0) enabled (1)

TABLE 54 *a10HaGroupTable fields (Continued)*

Field	Description
a10HaGroupTimer .1.7	Interval to send advertisement for this virtual group, ranging from 1-255 seconds.
a10HaGroupTag .1.8	Tag of the virtual group, ranging from 1-255.
a10HaGroupHeartbeatIf1 .1.9	Name of heartbeat interface of the virtual group; "none" means no heartbeat interface is specified:
a10HaGroupHeartbeatIf2 .1.10	Second heartbeat interface of the virtual group.
a10HaGroupHeartbeatIf3 .1.11	Third heartbeat interface of the virtual group.
a10HaGroupIntf .1.12	Name of the binded interface of the virtual group.
a10HaGroupWeight .1.13	Weight of the binded interface of the virtual group, ranging from 1-255.
a10HaGroupServiceLogWeight .1.14	Weight of the service log of the virtual group, ranging from 1-255.
a10HaGroupServiceHmWeight .1.15	Weight of service health monitor of the virtual group, ranging from 1-255.
a10HaGroupServiceWebWeight .1.16	Weight of service web of the virtual group, ranging from 1-255.
a10HaGroupServiceSSHWeight .1.17	Weight of service SSH of the virtual group, ranging from 1-255.
a10HaGroupServiceRoutingWeight .1.18	Weight of service routing of the virtual group, ranging from 1-255.
a10HaGroupServiceSystemWeight .1.19	Weight of service system of the virtual group, ranging from 1-255.

a10HaGroupIpTable

Description Get the tables of virtual IP addresses with corresponding virtual group.

OID .1.3.6.1.4.1.22610.2.3.8.3

[Table 55](#) describes the fields in this table.

TABLE 55 *a10HaGroupIpTable fields*

Field	Description
a10HaIpIp .1.1	The virtual IP address of this virtual group.
a10HaGroupIpID .1.2	The ID of the virtual group.

a10HaGroupTrackIfTable

Description Get the track interface table for this virtual group.

OID .1.3.6.1.4.1.22610.2.3.8.4

[Table 56](#) describes the fields in this table.

TABLE 56 *a10HaGroupTrackIfTable fields*

Field	Description
a10HaGroupTrackIfGroupID .1.1	The group ID to which the track interface belongs.
a10HaGroupTrackIfIndex .1.2	The index number of the track interface.
a10HaGroupTrackIfWeight .1.3	The weight of the track interface.

EX MIB Objects: a10AppLog Group

This chapter describes the MIB objects in the a10AppLog group. These objects indicate the state (enabled or disabled) of application logging.

a10AppLogAIM Objects

a10AppLogAIMLogon

Description Get the state of logging for logons to AOL Instant Messenger (AIM).

OID .1.3.6.1.4.1.22610.2.3.9.1.1

a10AppLogAIMLogoff

Description Get the state of logging for logoffs from AIM.

OID .1.3.6.1.4.1.22610.2.3.9.1.2

a10AppLogYIM Objects

a10AppLogYIMLogon

Description Get the state of logging for logons to Yahoo Instant Messenger (YIM).

OID .1.3.6.1.4.1.22610.2.3.9.2.1

a10AppLogYIMLogoff

Description Get the state of logging for logoffs from YIM.

OID .1.3.6.1.4.1.22610.2.3.9.2.2

a10AppLogMSNIM Objects

a10AppLogMSNIMLogon

Description Get the state of logging for logons to Microsoft Instant Messenger (MSNIM).

OID .1.3.6.1.4.1.22610.2.3.9.3.1

a10AppLogMSNIMLogoff

Description Get the state of logging for logoffs from MSNIM.

OID .1.3.6.1.4.1.22610.2.3.9.3.2

a10AppLogFTP Objects

a10AppLogFTPLogon

Description Get the state of logging for FTP logons.

OID .1.3.6.1.4.1.22610.2.3.9.5.1

a10AppLogFTPPassword

Description Get the state of logging for FTP password messages.

OID .1.3.6.1.4.1.22610.2.3.9.5.2

a10AppLogFTPMkdir

Description Get the state of logging for FTP make directory actions.

OID .1.3.6.1.4.1.22610.2.3.9.5.3

a10AppLogFTPRemove

Description Get the state of logging for FTP remove directory actions.

OID .1.3.6.1.4.1.22610.2.3.9.5.4

a10AppLogFTPRetr

Description Get the state of logging for FTP retrieve new file actions.

OID .1.3.6.1.4.1.22610.2.3.9.5.5

a10AppLogFTPStor

Description Get the state of logging for FTP store actions.

OID .1.3.6.1.4.1.22610.2.3.9.5.6

a10AppLogFTPRename

Description Get the state of logging for FTP rename actions.

OID .1.3.6.1.4.1.22610.2.3.9.5.7

a10AppLogFTPSite

Description Get the state of logging for FTP execute actions.

OID .1.3.6.1.4.1.22610.2.3.9.5.8

a10AppLogFTPDelete

Description Get the state of logging for FTP delete actions.

OID .1.3.6.1.4.1.22610.2.3.9.5.9

a10AppLogNFS Objects

a10AppLogNFSMount

Description Get the state of logging for Network File System (NFS) mount actions.

OID .1.3.6.1.4.1.22610.2.3.9.6.1

a10AppLogNFSUmount

Description Get the state of logging for NFS unmount actions.

OID .1.3.6.1.4.1.22610.2.3.9.6.2

a10AppLogNFSLookup

Description Get the state of logging for NFS file handle actions.

OID .1.3.6.1.4.1.22610.2.3.9.6.3

a10AppLogNFSRead

Description Get the state of logging for NFS read file actions.

OID .1.3.6.1.4.1.22610.2.3.9.6.4

a10AppLogNFSWrite

Description Get the state of logging for NFS write file actions.

OID .1.3.6.1.4.1.22610.2.3.9.6.5

a10AppLogNFSCreate

Description Get the state of logging for NFS create new file actions.

OID .1.3.6.1.4.1.22610.2.3.9.6.6

a10AppLogNFSRemove

Description Get the state of logging for NFS delete file actions.

OID .1.3.6.1.4.1.22610.2.3.9.6.7

a10AppLogNFSMkdir

Description Get the state of logging for NFS make directory actions.

OID .1.3.6.1.4.1.22610.2.3.9.6.8

a10AppLogNFSRmdir

Description Get the state of logging for NFS remove directory actions.

OID .1.3.6.1.4.1.22610.2.3.9.6.9

a10AppLogNFSRename

Description Get the state of logging for NFS rename actions.

OID .1.3.6.1.4.1.22610.2.3.9.6.10

a10AppLogNFSReaddir

Description Get the state of logging for NFS read directory actions.

OID .1.3.6.1.4.1.22610.2.3.9.6.11

a10AppLogCIFS Objects

a10AppLogCIFSSetup

Description Get the state of logging for Common Internet File System (CIFS) setup messages.

OID .1.3.6.1.4.1.22610.2.3.9.7.1

a10AppLogCIFSTconnect

Description Get the state of logging for CIFS tree connect messages.

OID .1.3.6.1.4.1.22610.2.3.9.7.2

a10AppLogCIFSRead

Description Get the state of logging for CIFS read file actions.

OID .1.3.6.1.4.1.22610.2.3.9.7.3

a10AppLogCIFSWrite

Description Get the state of logging for CIFS write file actions.

OID .1.3.6.1.4.1.22610.2.3.9.7.4

a10AppLogCIFSCreate

Description Get the state of logging for CIFS create new file actions.

OID .1.3.6.1.4.1.22610.2.3.9.7.5

a10AppLogCIFSOpen

Description Get the state of logging for CIFS open file actions.

OID .1.3.6.1.4.1.22610.2.3.9.7.6

a10AppLogCIFSMkdir

Description Get the state of logging for CIFS make directory actions.

OID .1.3.6.1.4.1.22610.2.3.9.7.7

a10AppLogCIFSRename

Description Get the state of logging for CIFS rename actions.

OID .1.3.6.1.4.1.22610.2.3.9.7.8

a10AppLogCIFSDelete

Description Get the state of logging for CIFS delete file actions.

OID .1.3.6.1.4.1.22610.2.3.9.7.9

a10AppLogCIFSLogoff

Description Get the state of logging for CIFS logoff actions.

OID .1.3.6.1.4.1.22610.2.3.9.7.10

a10AppLogCIFSmdir

Description Get the state of logging for CIFS remove directory actions.

OID .1.3.6.1.4.1.22610.2.3.9.7.11

a10AppLogPOP3 Objects

a10AppLogPOP3Mail

Description Get the state of logging for Post Office Protocol v3 (POP3) actions.

OID .1.3.6.1.4.1.22610.2.3.9.8.1

a10AppLogSMTP Objects

a10AppLogSMTPMail

Description Get the state of logging for Simple Mail Transfer Protocol (SMTP) actions.

OID .1.3.6.1.4.1.22610.2.3.9.9.1

EX MIB Objects: a10Logging Group

This chapter describes the MIB objects in the a10Logging group.

a10Logging Objects

a10LogBufferSize

Description Get the size of the local log buffer. The size indicates the maximum number of messages the buffer can hold.

OID .1.3.6.1.4.1.22610.2.3.10.1

a10LogBufferPri

Description Get the logging priority for the local log buffer. Log messages with severity levels at or above the priority are sent to the local log buffer. Log messages with severity levels lower than the priority are not sent to the local log buffer.

OID .1.3.6.1.4.1.22610.2.3.10.2

This object can have one of the following values:

- 0 – Emergency
- 1 – Alert
- 2 – Critical
- 3 – Error
- 4 – Warning
- 5 – Notice
- 6 – Info
- 7 – Debug
- -1 – NotDefined (disabled)

a10LogConsolePri

Description Get the logging priority for log messages displayed in console sessions. Log messages with severity levels at or above the priority are displayed. Log messages with severity levels lower than the priority are not displayed.

OID .1.3.6.1.4.1.22610.2.3.10.3

This object can have one of the following values:

- 0 – Emergency
- 1 – Alert
- 2 – Critical
- 3 – Error
- 4 – Warning
- 5 – Notice
- 6 – Info
- 7 – Debug
- -1 – NotDefined (disabled)

a10LogEmailPri

Description Get the logging priority for emailed log messages. Log messages with severity levels at or above the priority are sent by email. Log messages with severity levels lower than the priority are not sent by email.

OID .1.3.6.1.4.1.22610.2.3.10.4

This object can have one of the following values:

- 0 – Emergency
- 1 – Alert
- 2 – Critical
- 3 – Error
- 4 – Warning
- 5 – Notice
- 6 – Info
- 7 – Debug

- -1 – NotDefined (disabled)

a10LogEmailAddr

Description

Get the email address(es) to which log messages can be sent.

OID

.1.3.6.1.4.1.22610.2.3.10.5

a10LogTrapPri

Description

Get the logging trap priority. Logging messages with levels above the log trap value must be output to the SNMP trap host.

OID

.1.3.6.1.4.1.22610.2.3.10.7

a10LogSyslogPri

Description

Get the logging priority for log messages sent to external log servers. Log messages with severity levels at or above the priority are sent to external log servers. Log messages with severity levels lower than the priority are not sent to external log servers.

OID

.1.3.6.1.4.1.22610.2.3.10.8

This object can have one of the following values:

- 0 – Emergency
- 1 – Alert
- 2 – Critical
- 3 – Error
- 4 – Warning
- 5 – Notice
- 6 – Info
- 7 – Debug
- -1 – NotDefined (disabled)

a10LogSyslogHost

Description Get the syslog host, used by the external syslog server.

OID .1.3.6.1.4.1.22610.2.3.10.9

a10LogSyslogPort

Get the protocol port number to which the EX device sends log messages on external syslog servers.

OID .1.3.6.1.4.1.22610.2.3.10.10

a10LogMonitorPri

Description Get the logging priority for log messages displayed in Telnet or SSH sessions. Log messages with severity levels at or above the priority are displayed. Log messages with severity levels lower than the priority are not displayed.

OID .1.3.6.1.4.1.22610.2.3.10.11

This object can have one of the following values:

- 0 – Emergency
- 1 – Alert
- 2 – Critical
- 3 – Error
- 4 – Warning
- 5 – Notice
- 6 – Info
- 7 – Debug
- -1 – NotDefined (disabled)

a10SyslogTrapPrefix Objects

a10SyslogTrap

Description	Get a syslog trap prefix.
OID	.1.3.6.1.4.1.22610.2.3.10.100.1

a10SyslogTrapObjects Objects

These objects have information about syslog messages generated by the EX device.

a10SyslogModuleName

Description	Get the name of the system module that sent the syslog message.
OID	.1.3.6.1.4.1.22610.2.3.10.101.1

a10SyslogPriority

Description	Get the message priority.
OID	.1.3.6.1.4.1.22610.2.3.10.101.2

a10SyslogMsg

Description	Get the syslog message.
OID	.1.3.6.1.4.1.22610.2.3.10.101.3



Performance by Design



P e r f o r m a n c e b y D e s i g n

Corporate Headquarters

A10 Networks, Inc.
2309 Bering Dr.
San Jose, CA 95131-1125 USA

Tel: +1-408-325-8668 (main)
Tel: +1-408-325-8676 (support - worldwide)
Tel: +1-888-822-7210 (support - toll-free in USA)
Fax: +1-408-325-8666

www.a10networks.com