

EdgeXOS Platform Notes

XRoads Networks

Edge Network Appliance Platform Notes

EdgeXOS SNMP 101

SNMP Overview

This document provides an overview of how to SNMP (simple network management protocol) works on the EdgeXOS platform. XRoads Networks has obtained a custom MIB number from the IANA and developed an SNMP module which can be modified to provide data points for every object within its database.

This highly flexible capability is unique in the industry and will be developed in the future to provide unsurpassed capabilities for remote monitoring and management via our XGM global management system.

XOS MIB: The following default MIB set provides basic information about the EdgeXOS appliance. By performing either a direct query to the assigned MIB ID .1.3.6.1.2.1.x.x.x or through an SNMP walk command you can obtain this information.

NOTE: SNMP access can be enabled or disabled via the Tools menu, when enabled all SNMP queries are done using the "public" community string. For security purposes XRoads Networks recommends using firewall rules to limit SNMP access.

.1.3.6.1.2.1.1.1.0	OCTET_STR	System Name
.1.3.6.1.2.1.1.3.0	INTEGER	Current Uptime
.1.3.6.1.2.1.1.4.0	OCTET_STR	Company Name
.1.3.6.1.2.1.1.5.0	OCTET_STR	Tech Phone
.1.3.6.1.2.1.1.6.0	OCTET_STR	Tech Email
.1.3.6.1.2.1.2.1.0	INTEGER 7	
.1.3.6.1.2.1.2.1.1	INTEGER 0	
.1.3.6.1.2.1.2.1.2	INTEGER 1	
.1.3.6.1.2.1.2.1.3	INTEGER 2	
.1.3.6.1.2.1.2.1.4	INTEGER 3	
.1.3.6.1.2.1.2.1.5	INTEGER 4	
.1.3.6.1.2.1.2.1.6	INTEGER 5	
.1.3.6.1.2.1.2.1.7	INTEGER 6	
.1.3.6.1.2.1.2.2.1.2.1	OCTET_STR	LAN NAME
.1.3.6.1.2.1.2.2.1.2.2	OCTET_STR	WAN1 NAME
.1.3.6.1.2.1.2.2.1.2.3	OCTET_STR	WAN2 NAME
.1.3.6.1.2.1.2.2.1.2.4	OCTET_STR	WAN3 NAME
.1.3.6.1.2.1.2.2.1.2.5	OCTET_STR	WAN4 NAME
.1.3.6.1.2.1.2.2.1.2.6	OCTET_STR	WAN5 NAME
.1.3.6.1.2.1.2.2.1.2.7	OCTET_STR	WAN6 NAME
.1.3.6.1.2.1.2.2.1.10.1	OCTET_STR	INT1 INBOUND
.1.3.6.1.2.1.2.2.1.10.2	OCTET_STR	INT2 INBOUND
.1.3.6.1.2.1.2.2.1.10.3	OCTET_STR	INT3 INBOUND
.1.3.6.1.2.1.2.2.1.10.4	OCTET_STR	INT4 INBOUND
.1.3.6.1.2.1.2.2.1.10.5	OCTET_STR	INT5 INBOUND
.1.3.6.1.2.1.2.2.1.10.6	OCTET_STR	INT6 INBOUND
.1.3.6.1.2.1.2.2.1.10.7	OCTET_STR	INT7 INBOUND
.1.3.6.1.2.1.2.2.1.16.1	OCTET_STR	INT1 OUTBOUND
.1.3.6.1.2.1.2.2.1.16.2	OCTET_STR	INT2 OUTBOUND
.1.3.6.1.2.1.2.2.1.16.3	OCTET_STR	INT3 OUTBOUND
.1.3.6.1.2.1.2.2.1.16.4	OCTET_STR	INT4 OUTBOUND
.1.3.6.1.2.1.2.2.1.16.5	OCTET_STR	INT5 OUTBOUND
.1.3.6.1.2.1.2.2.1.16.6	OCTET_STR	INT6 OUTBOUND
.1.3.6.1.2.1.2.2.1.16.7	OCTET_STR	INT7 OUTBOUND