The Location of SafeGuard Engine OID



MIB File: SAFEGUARD-ENGINE-MIB OID: 1.3.6.1.4.1.171.12.19

Switch Safe Guard Global Management

Object name	swSafeGuardGblMgmt
Object ID	1.3.6.1.4.1.171.12.19.1
Module	SAFEGUARD-ENGINE-MIB
Base syntax	Object Identifier
Access	Not_Accessible
Status	Mandatory
Parent node	swSafeGuardMIB
First child	swSafeGuardAdminState

Object name	swSafeGuardAdminState
Object ID	1.3.6.1.4.1.171.12.19.1.1
Module	SAFEGUARD-ENGINE-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : other(1)
	2 : disabled (2)
	3 : enabled(3)
Parent node	swSafeGuardGblMgmt
First child	None
Description	This object indicates the Safeguard engine state of the switch.

Show Switch SafeGuard Administrate State

snmpwalk -v2C -c public 10.90.90.90 1.3.6.1.4.1.171.12.19.1.1

Enable SafeGuard Administrate State

snmpset -v2C -c private 10.90.90.90 1.3.6.1.4.1.171.12.19.1.1.0 i 3

Disable SafeGuard Administrate State

snmpset -v2C -c private 10.90.90.90 1.3.6.1.4.1.171.12.19.1.1.0 i 2

Switch Safe Guard Control

	Object name	swSafeGuardctrl
	Object ID	1.3.6.1.4.1.171.12.19.2
	Module	SAFEGUARD-ENGINE-MIB
	Base syntax	Object Identifier
	Access	Not Accessible
	Status	Mandatory
	Parent node	swSafeGuardMIB
	First child	swSafeGuardRisingThreshold
)bject:	name	swSafeGuardRisingThreshold
)bject.	ID	1.3.6.1.4.1.171.12.19.2.1
lodule	•	SAFEGUARD-ENGINE-MIB
lase sy	mtax	Integer
lompo	ised syntax	INTEGER
locess		Read-Write
tatus		Current
alue l	ıst	1:20100
arentu	node	swSafeGuardctrl
irst ch	ild	None
)escrin	tion	The object indicates Safeguard engine rising threshold in nementage
		the range is between 20%-100%, if the CPU utilization is over the
		rising threshold, the switch enters exhausted mode.

Show Switch SafeGuard Rising Threshold

snmpwalk -v2C -c public 10.90.90.90 1.3.6.1.4.1.171.12.19.2.1

Set Switch SafeGuard Rising Threshold (Example Set to 30)

snmpset -v2C -c private 10.90.90.90 1.3.6.1.4.1.171.12.19.2.1.0 i 30

Object name	swSafeGuardFallingThreshold
Object ID	1.3.6.1.4.1.171.12.19.2.2
Module	SAFEGUARD-ENGINE-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1:20100
Parent node	swSafeGuardetrl
First child	None
Description	The object indicates Safeguard engine falling threshold in percentage.
	the range is between 20%-100%, if the CPU utilization is lower than
	the falling threshold, the switch enters normal mode.

Show Switch SafeGuard Falling Threshold snmpwalk -v2C -c public 10.90.90.90 1.3.6.1.4.1.171.12.19.2.2

Set Switch SafeGuard Falling Threshold (Example Set to 30)

snmpset -v2C -c private 10.90.90.90 1.3.6.1.4.1.171.12.19.2.2.0 i 30

Object name	swSafeGuardmode
Object ID	1.3.6.1.4.1.171.12.19.2.3
Module	SAFEGUARD-ENGINE-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : strict(1)
	2:fuzzy(2)
Parent node	swSafeGuardctrl
First child	None
Description	determine the controlling method of broadcast traffic.
	Here are two modes (strict and fuzzy). In strict,
	the Switch will stop receiving all 'ARP not to me' packets (the protocol
	address of target in ARP packet is the Switch itself). That means no matter
	what reasons cause the high CPII utilization (may not caused by ARP storm).
	the Switch reluctantly processes any 'ARP not to me' nackets in exhausted mode
	In fuzzy mode, the Switch will edjust the bandwidth dynamically depend on some
	manually moved at the owner will employ the bene when a ynamioarly depend on some
	reasonable algorithm.

Show Switch SafeGuard mode

snmpwalk -v2C -c public 10.90.90.90 1.3.6.1.4.1.171.12.19.2.3

Set Switch SafeGuard mode (Example Set to Strict)

snmpset -v2C -c private 10.90.90.90 1.3.6.1.4.1.171.12.19.2.3.0 i 1

Objectnesse	au Cafa Canad à la ma à duain Cinta
Object name	SwSateGuatu Atatin Aumini State
Object ID	1.3.6.1.4.1.171.12.19.2.4
Module	SAFEGUARD-ENGINE-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : other(1)
	2 : disabled (2)
	3 : enabled (3)
Parent node	swSafeGuardctrl
First child	None
Description	This object indicates the state of Safeguard engine related trap/log mechanism (enable or disable). If set to enable, trap and log will be active while Safeguard engine current mode changed. If set to disable,
	current mode change will not nigger hap and tog events.

Show Switch SafeGuard Alarm Administrate State snmpwalk -v2C -c public 10.90.90.90 1.3.6.1.4.1.171.12.19.2.4

Enable SafeGuard Alarm Administrate State

snmpset -v2C -c private 10.90.90.90 1.3.6.1.4.1.171.12.19.2.4.0 i 3

Disable SafeGuard Alarm Administrate State

snmpset -v2C -c private 10.90.90.90 1.3.6.1.4.1.171.12.19.2.4.0 i 2

Object name	swSafeGuardCurrentStatus
Object ID	1.3.6.1.4.1.171.12.19.2.5
Module	SAFEGUARD-ENGINE-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : normal(1)
	2 : exhausted (2)
Parent node	swSafeGuardctrl
First child	None
Description	This object indicates current operation mode of Safeguard engine

Show Switch SafeGuard Current State snmpwalk -v2C -c public 10.90.90.90 1.3.6.1.4.1.171.12.19.2.5