

How to configure CPU ACL for Ethernet on DES-3200 A1 B1

1) Create an CPU ACL profile for Ethernet:

```
create cpu access_profile profile_id 3 ethernet vlan source_mac FF-FF-FF-FF-FF-FF destination_mac  
FF-FF-FF-FF-FF-FF
```

```
snmpset -v2c -c private 10.90.90.90  
1.3.6.1.4.1.171.12.9.4.1.1.2.3 i 1  
1.3.6.1.4.1.171.12.9.4.1.1.3.3 i 4  
1.3.6.1.4.1.171.12.9.4.1.1.4.3 x ffffffff  
1.3.6.1.4.1.171.12.9.4.1.1.5.3 x ffffffff  
1.3.6.1.4.1.171.12.9.4.1.1.8.3 i 4
```

2) Create an CPU ACL rule in the profile created above:

```
config cpu access_profile profile_id 4 add access_id 10 ethernet vlan default source_mac 00-00-  
01-00-00-01 destination_mac 00-00-02-00-00-02 port 15 permit
```

```
snmpset -v2c -c private 10.90.90.90  
1.3.6.1.4.1.171.12.9.5.1.1.3.3.5 s default  
1.3.6.1.4.1.171.12.9.5.1.1.4.3.5 x 000001000001  
1.3.6.1.4.1.171.12.9.5.1.1.5.3.5 x 000002000002  
1.3.6.1.4.1.171.12.9.5.1.1.8.3.5 i 2  
1.3.6.1.4.1.171.12.9.5.1.1.9.3.5 i 4  
1.3.6.1.4.1.171.12.9.5.1.1.10.3.5 x 0002000000000000
```

- Explanation of port number:
0002000000000000 = port 15
Each character 0 can turn into binary 0000, which can stand for 4 ports.
For example, character "2" turns into binary is "0010", which means port 3;
Character "6" turns into binary is "0110", which means port s 2-3.
Hence, if you want to select ports 15, which is binary 0000 0000 0000 0010 0000 0000 0000
0000 => 00020000]

3) Delete an CPU ACL rule in the profile:

```
config cpu access_profile profile_id 3 delete access_id 5
```

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.9.5.1.1.9.3.5 i 6
```

4) Delete an CPU ACL profile:

```
delete cpu access_profile profile_id 3
```

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.9.4.1.1.8.3 i 6
```

5) Enable CPU ACL (CPU interface filtering):

enable cpu_interface_filtering

snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.9.1.1.0 i 1

6) Disable CPU ACL (CPU interface filtering):

disable cpu_interface_filtering

snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.9.1.1.0 i 2

MIB: [ACLMGMT-MIB](#)

OIDs:

1.3.6.1.4.1.171.12.9.1.1

The screenshot shows a MIB browser interface. On the left, a tree view displays the hierarchy: swAcctl > swCpuInterfaceFilterState. The right pane shows the details for swCpuInterfaceFilterState:

Object name	swCpuInterfaceFilterState
Object ID	1.3.6.1.4.1.171.12.9.1.1
Module	ACLMGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : enable(1) 2 : disable(2)
Parent node	swAcctl
First child	None
Description	Enable or disable CPU Interface Filtering (also called Software ACL). The default is disabled. If enabled, the filtering entries in the swAcctlRuleMgmt tables will be set to active if its RuleSwAcctlState is enabled. If disabled, the software ACL function will be disabled.

1.3.6.1.4.1.171.12.9.4.1.1.1

The screenshot shows a MIB browser interface. On the left, a tree view displays the hierarchy: swCpuAcclEthernetEntry > swCpuAcclEthernetProfileID. The right pane shows the details for swCpuAcclEthernetProfileID:

Object name	swCpuAcclEthernetProfileID
Object ID	1.3.6.1.4.1.171.12.9.4.1.1.1
Module	ACLMGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Parent node	swCpuAcclEthernetEntry
First child	None
Description	The ID of the software ACL mask entry, which is unique to the mask list. The maximum value of this object depends on the device.

1.3.6.1.4.1.171.12.9.4.1.1.2

swCpuAcIEthernetEntry	Object name	swCpuAcIEthernetUsevlan
swCpuAcIEthernetProfileID	Object ID	1.3.6.1.4.1.171.12.9.4.1.1.2
swCpuAcIEthernetUsevlan	Module	ACLMGMT-MIB
swCpuAcIEthernetMacAddrMaskState	Base syntax	Integer
swCpuAcIEthernetSrcMacAddrMask	Composed syntax	INTEGER
swCpuAcIEthernetDstMacAddrMask	Access	Read-Create
swCpuAcIEthernetUse8021p	Status	Current
swCpuAcIEthernetUseEthernetType	Value list	1 : enabled(1) 2 : disabled(2)
swCpuAcIEthernetRowStatus	Parent node	swCpuAcIEthernetEntry
CpuAcIpTable	First child	None
swCpuAcIpEntry	Description	Specifies that the switch will examine the VLAN part of each packet header.
swCpuAcIpProfileID		
swCpuAcIpUsevlan		
swCpuAcIpAddrMaskState		

1.3.6.1.4.1.171.12.9.4.1.1.3

swCpuAcIEthernetEntry	Object name	swCpuAcIEthernetMacAddrMaskState
swCpuAcIEthernetProfileID	Object ID	1.3.6.1.4.1.171.12.9.4.1.1.3
swCpuAcIEthernetUsevlan	Module	ACLMGMT-MIB
swCpuAcIEthernetMacAddrMaskState	Base syntax	Integer
swCpuAcIEthernetSrcMacAddrMask	Composed syntax	INTEGER
swCpuAcIEthernetDstMacAddrMask	Access	Read-Create
swCpuAcIEthernetUse8021p	Status	Current
swCpuAcIEthernetUseEthernetType	Value list	1 : other(1) 2 : dst-mac-addr(2) 3 : src-mac-addr(3) 4 : dst-src-mac-addr(4)
swCpuAcIEthernetRowStatus	Parent node	swCpuAcIEthernetEntry
CpuAcIpTable	First child	None
swCpuAcIpEntry	Description	This object indicates the status of the MAC address mask.
swCpuAcIpProfileID		
swCpuAcIpUsevlan		
swCpuAcIpAddrMaskState		
swCpuAcIpSrcAddrMask		
swCpuAcIpDstAddrMask		
swCpuAcIpUseSCP		
swCpuAcIpUseProtoType		
swCpuAcIpIcmpOption		
swCpuAcIpIcmpOption		
swCpuAcIpTcpOption		
swCpuAcIpUdpOption		
swCpuAcIpTcpPortUDPSrcPortMask		
swCpuAcIpTcpPortUDPdstPortMask		

1.3.6.1.4.1.171.12.9.4.1.1.4

swCpuAcIEthernetMacAddrMaskState	Object name	swCpuAcIEthernetSrcMacAddrMask
swCpuAcIEthernetSrcMacAddrMask	Object ID	1.3.6.1.4.1.171.12.9.4.1.1.4
swCpuAcIEthernetDstMacAddrMask	Module	ACLMGMT-MIB
swCpuAcIEthernetUse8021p	Base syntax	Octet String
swCpuAcIEthernetUseEthernetType	Composed syntax	MacAddress
swCpuAcIEthernetRowStatus	Access	Read-Create
CpuAcIpTable	Status	Current
swCpuAcIpEntry	Value list	1 : 6..6
swCpuAcIpProfileID	Parent node	swCpuAcIEthernetEntry
swCpuAcIpUsevlan	First child	None
swCpuAcIpAddrMaskState	Description	This object specifies the MAC address mask for the source MAC address.
swCpuAcIpSrcAddrMask		
swCpuAcIpDstAddrMask		

1.3.6.1.4.1.171.12.9.4.1.1.5

swCpuAcIEthernetMacAddrMaskState	Object name	swCpuAcIEthernetDstMacAddrMask
swCpuAcIEthernetSrcMacAddrMask	Object ID	1.3.6.1.4.1.171.12.9.4.1.1.5
swCpuAcIEthernetDstMacAddrMask	Module	ACLMGMT-MIB
swCpuAcIEthernetUse8021p	Base syntax	Octet String
swCpuAcIEthernetUseEthernetType	Composed syntax	MacAddress
swCpuAcIEthernetRowStatus	Access	Read-Create
CpuAcIpTable	Status	Current
swCpuAcIpEntry	Value list	1 : 6..6
swCpuAcIpProfileID	Parent node	swCpuAcIEthernetEntry
swCpuAcIpUsevlan	First child	None
swCpuAcIpAddrMaskState	Description	This object specifies the MAC address mask for the destination MAC address.
swCpuAcIpSrcAddrMask		
swCpuAcIpDstAddrMask		

1.3.6.1.4.1.171.12.9.4.1.1.6

swCpuAcIEthernetMacAddrMaskState	Object name	swCpuAcIEthernetUse8021p
swCpuAcIEthernetSrcMacAddrMask	Object ID	1.3.6.1.4.1.171.12.9.4.1.1.6
swCpuAcIEthernetDstMacAddrMask	Module	ACLMGMT-MIB
swCpuAcIEthernetUse8021p	Base syntax	Integer
swCpuAcIEthernetUseEthernetType	Composed syntax	INTEGER
swCpuAcIEthernetRowStatus	Access	Read-Create
cpuAcIpTable	Status	Current
swCpuAcIpEntry	Value list	1 : enabled(1) 2 : disabled(2)
swCpuAcIpProfileID	Parent node	swCpuAcIEthernetEntry
swCpuAcIpUseVlan	First child	None
swCpuAcIpAddrMaskState	Description	Specifies if the switch will examine the 802.1p priority value in the frame's header or not.
swCpuAcIpSrcAddrMask		
swCpuAcIpDstAddrMask		
swCpuAcIpUseDSCP		
swCpuAcIpUseProtoType		

1.3.6.1.4.1.171.12.9.4.1.1.7

swCpuAcIEthernetUse8021p	Object name	swCpuAcIEthernetUseEthernetType
swCpuAcIEthernetUseEthernetType	Object ID	1.3.6.1.4.1.171.12.9.4.1.1.7
swCpuAcIEthernetRowStatus	Module	ACLMGMT-MIB
cpuAcIpTable	Base syntax	Integer
swCpuAcIpEntry	Composed syntax	INTEGER
swCpuAcIpProfileID	Access	Read-Create
swCpuAcIpUseVlan	Status	Current
swCpuAcIpAddrMaskState	Value list	1 : enabled(1) 2 : disabled(2)
swCpuAcIpSrcAddrMask	Parent node	swCpuAcIEthernetEntry
swCpuAcIpDstAddrMask	First child	None
swCpuAcIpUseDSCP	Description	Specifies if the switch will examine the Ethernet type value in each frame's header or not.
swCpuAcIpUseProtoType		
swCpuAcIpIcmpOption		
swCpuAcIpIcmpOption		
swCpuAcIpTcpOption		

1.3.6.1.4.1.171.12.9.4.1.1.8

swCpuAcIEthernetUse8021p	Object name	swCpuAcIEthernetRowStatus
swCpuAcIEthernetUseEthernetType	Object ID	1.3.6.1.4.1.171.12.9.4.1.1.8
swCpuAcIEthernetRowStatus	Module	ACLMGMT-MIB
cpuAcIpTable	Base syntax	Integer
swCpuAcIpEntry	Composed syntax	RowStatus
swCpuAcIpProfileID	Access	Read-Create
swCpuAcIpUseVlan	Status	Current
swCpuAcIpAddrMaskState	Value list	1 : active(1) 2 : notInService(2) 3 : notReady(3) 4 : createAndGo(4) 5 : createAndWait(5) 6 : destroy(6)
swCpuAcIpSrcAddrMask	Parent node	swCpuAcIEthernetEntry
swCpuAcIpDstAddrMask	First child	None
swCpuAcIpUseDSCP	Description	This object indicates the status of this entry.
swCpuAcIpUseProtoType		
swCpuAcIpIcmpOption		
swCpuAcIpIcmpOption		
swCpuAcIpTcpOption		
swCpuAcIpUdpOption		
swCpuAcIpTcpPortUDPSrcPortMask		
swCpuAcIpTcpPortUDPDstPortMask		

1.3.6.1.4.1.171.12.9.5.1.1.1

cpuAcLMaskDelAllState	Object name	cpuAcIEtherRuleProfileID
cpuAcRuleMgmt	Object ID	3.6.1.4.1.171.12.9.5.1.1.1
cpuAcIEtherRuleTable	Module	ACLMGMT-MIB
swCpuAcIEtherRuleEntry	Base syntax	Integer
swCpuAcIEtherRuleProfileID	Composed syntax	INTEGER
swCpuAcIEtherRuleAccessID	Access	read-Only
swCpuAcIEtherRuleVlan	Status	Current
swCpuAcIEtherRuleSrcMacAddress	Parent node	cpuAcIEtherRuleEntry
swCpuAcIEtherRuleDstMacAddress	First child	None
swCpuAcIEtherRule8021P	Description	the ID of the software ACL mask entry, which is unique to the mask list. The maximum value of this object depends on the device.
swCpuAcIEtherRuleEtherType		
swCpuAcIEtherRulePermit		

1.3.6.1.4.1.171.12.9.5.1.1.2

<ul style="list-style-type: none"> • CpuACLMaskDelAllState • AclRuleMgmt • CpuAclEtherRuleTable • swCpuAclEtherRuleEntry <ul style="list-style-type: none"> • swCpuAclEtherRuleProfileID • swCpuAclEtherRuleAccessID • swCpuAclEtherRuleVlan • swCpuAclEtherRuleSrcMacAddress • swCpuAclEtherRuleDstMacAddress • swCpuAclEtherRule8021P • swCpuAclEtherRuleEtherType • swCpuAclEtherRulePermit • swCpuAclEtherRuleRowStatus 	<table border="1"> <tr> <td>Object name</td> <td>swCpuAclEtherRuleAccessID</td> </tr> <tr> <td>Object ID</td> <td>1.3.6.1.4.1.171.12.9.5.1.1.2</td> </tr> <tr> <td>Module</td> <td>ACLMGMT-MIB</td> </tr> <tr> <td>Base syntax</td> <td>Integer</td> </tr> <tr> <td>Composed syntax</td> <td>INTEGER</td> </tr> <tr> <td>Access</td> <td>Read-Only</td> </tr> <tr> <td>Status</td> <td>Current</td> </tr> <tr> <td>Value list</td> <td>1 : 1..65535</td> </tr> <tr> <td>Parent node</td> <td>swCpuAclEtherRuleEntry</td> </tr> <tr> <td>First child</td> <td>None</td> </tr> <tr> <td>Description</td> <td>The ID of the software ACL rule entry as it relates to swCpuAclEtherRuleProfileID.</td> </tr> </table>	Object name	swCpuAclEtherRuleAccessID	Object ID	1.3.6.1.4.1.171.12.9.5.1.1.2	Module	ACLMGMT-MIB	Base syntax	Integer	Composed syntax	INTEGER	Access	Read-Only	Status	Current	Value list	1 : 1..65535	Parent node	swCpuAclEtherRuleEntry	First child	None	Description	The ID of the software ACL rule entry as it relates to swCpuAclEtherRuleProfileID.
Object name	swCpuAclEtherRuleAccessID																						
Object ID	1.3.6.1.4.1.171.12.9.5.1.1.2																						
Module	ACLMGMT-MIB																						
Base syntax	Integer																						
Composed syntax	INTEGER																						
Access	Read-Only																						
Status	Current																						
Value list	1 : 1..65535																						
Parent node	swCpuAclEtherRuleEntry																						
First child	None																						
Description	The ID of the software ACL rule entry as it relates to swCpuAclEtherRuleProfileID.																						

1.3.6.1.4.1.171.12.9.5.1.1.3

<ul style="list-style-type: none"> • swCpuAclEtherRuleEntry <ul style="list-style-type: none"> • swCpuAclEtherRuleProfileID • swCpuAclEtherRuleAccessID • swCpuAclEtherRuleVlan • swCpuAclEtherRuleSrcMacAddress • swCpuAclEtherRuleDstMacAddress • swCpuAclEtherRule8021P • swCpuAclEtherRuleEtherType • swCpuAclEtherRulePermit • swCpuAclEtherRuleRowStatus • swCpuAclEtherRulePort • swCpuAclEtherRuleMatchVID • CpuAclRuleTable 	<table border="1"> <tr> <td>Object name</td> <td>swCpuAclEtherRuleVlan</td> </tr> <tr> <td>Object ID</td> <td>1.3.6.1.4.1.171.12.9.5.1.1.3</td> </tr> <tr> <td>Module</td> <td>ACLMGMT-MIB</td> </tr> <tr> <td>Base syntax</td> <td>Octet String</td> </tr> <tr> <td>Composed syntax</td> <td>SnmpAdminString</td> </tr> <tr> <td>Access</td> <td>Read-Create</td> </tr> <tr> <td>Status</td> <td>Current</td> </tr> <tr> <td>Value list</td> <td>1 : 1..32</td> </tr> <tr> <td>Parent node</td> <td>swCpuAclEtherRuleEntry</td> </tr> <tr> <td>First child</td> <td>None</td> </tr> <tr> <td>Description</td> <td>Specifies that the access rule will only apply to packets with the VLAN ID indexed by this VLAN name.</td> </tr> </table>	Object name	swCpuAclEtherRuleVlan	Object ID	1.3.6.1.4.1.171.12.9.5.1.1.3	Module	ACLMGMT-MIB	Base syntax	Octet String	Composed syntax	SnmpAdminString	Access	Read-Create	Status	Current	Value list	1 : 1..32	Parent node	swCpuAclEtherRuleEntry	First child	None	Description	Specifies that the access rule will only apply to packets with the VLAN ID indexed by this VLAN name.
Object name	swCpuAclEtherRuleVlan																						
Object ID	1.3.6.1.4.1.171.12.9.5.1.1.3																						
Module	ACLMGMT-MIB																						
Base syntax	Octet String																						
Composed syntax	SnmpAdminString																						
Access	Read-Create																						
Status	Current																						
Value list	1 : 1..32																						
Parent node	swCpuAclEtherRuleEntry																						
First child	None																						
Description	Specifies that the access rule will only apply to packets with the VLAN ID indexed by this VLAN name.																						

1.3.6.1.4.1.171.12.9.5.1.1.4

<ul style="list-style-type: none"> • swCpuAclEtherRuleEntry <ul style="list-style-type: none"> • swCpuAclEtherRuleProfileID • swCpuAclEtherRuleAccessID • swCpuAclEtherRuleVlan • swCpuAclEtherRuleSrcMacAddress • swCpuAclEtherRuleDstMacAddress • swCpuAclEtherRule8021P • swCpuAclEtherRuleEtherType • swCpuAclEtherRulePermit • swCpuAclEtherRuleRowStatus • swCpuAclEtherRulePort • swCpuAclEtherRuleMatchVID • CpuAclRuleTable • swCpuAclEtherRuleEntry 	<table border="1"> <tr> <td>Object name</td> <td>swCpuAclEtherRuleSrcMacAddress</td> </tr> <tr> <td>Object ID</td> <td>1.3.6.1.4.1.171.12.9.5.1.1.4</td> </tr> <tr> <td>Module</td> <td>ACLMGMT-MIB</td> </tr> <tr> <td>Base syntax</td> <td>Octet String</td> </tr> <tr> <td>Composed syntax</td> <td>MacAddress</td> </tr> <tr> <td>Access</td> <td>Read-Create</td> </tr> <tr> <td>Status</td> <td>Current</td> </tr> <tr> <td>Value list</td> <td>1 : 6..6</td> </tr> <tr> <td>Parent node</td> <td>swCpuAclEtherRuleEntry</td> </tr> <tr> <td>First child</td> <td>None</td> </tr> <tr> <td>Description</td> <td>Specifies that the access rule will only apply to the packets with this source MAC address.</td> </tr> </table>	Object name	swCpuAclEtherRuleSrcMacAddress	Object ID	1.3.6.1.4.1.171.12.9.5.1.1.4	Module	ACLMGMT-MIB	Base syntax	Octet String	Composed syntax	MacAddress	Access	Read-Create	Status	Current	Value list	1 : 6..6	Parent node	swCpuAclEtherRuleEntry	First child	None	Description	Specifies that the access rule will only apply to the packets with this source MAC address.
Object name	swCpuAclEtherRuleSrcMacAddress																						
Object ID	1.3.6.1.4.1.171.12.9.5.1.1.4																						
Module	ACLMGMT-MIB																						
Base syntax	Octet String																						
Composed syntax	MacAddress																						
Access	Read-Create																						
Status	Current																						
Value list	1 : 6..6																						
Parent node	swCpuAclEtherRuleEntry																						
First child	None																						
Description	Specifies that the access rule will only apply to the packets with this source MAC address.																						

1.3.6.1.4.1.171.12.9.5.1.1.5

<ul style="list-style-type: none"> • swCpuAclEtherRuleVlan • swCpuAclEtherRuleSrcMacAddress • swCpuAclEtherRuleDstMacAddress • swCpuAclEtherRule8021P • swCpuAclEtherRuleEtherType • swCpuAclEtherRulePermit • swCpuAclEtherRuleRowStatus • swCpuAclEtherRulePort • swCpuAclEtherRuleMatchVID • CpuAclRuleTable • swCpuAclRuleEntry <ul style="list-style-type: none"> • swCpuAclRuleProfileID • swCpuAclRuleAccessID 	<table border="1"> <tr> <td>Object name</td> <td>swCpuAclEtherRuleDstMacAddress</td> </tr> <tr> <td>Object ID</td> <td>1.3.6.1.4.1.171.12.9.5.1.1.5</td> </tr> <tr> <td>Module</td> <td>ACLMGMT-MIB</td> </tr> <tr> <td>Base syntax</td> <td>Octet String</td> </tr> <tr> <td>Composed syntax</td> <td>MacAddress</td> </tr> <tr> <td>Access</td> <td>Read-Create</td> </tr> <tr> <td>Status</td> <td>Current</td> </tr> <tr> <td>Value list</td> <td>1 : 6..6</td> </tr> <tr> <td>Parent node</td> <td>swCpuAclEtherRuleEntry</td> </tr> <tr> <td>First child</td> <td>None</td> </tr> <tr> <td>Description</td> <td>Specifies that the access rule will only apply to the packets with this destination MAC address.</td> </tr> </table>	Object name	swCpuAclEtherRuleDstMacAddress	Object ID	1.3.6.1.4.1.171.12.9.5.1.1.5	Module	ACLMGMT-MIB	Base syntax	Octet String	Composed syntax	MacAddress	Access	Read-Create	Status	Current	Value list	1 : 6..6	Parent node	swCpuAclEtherRuleEntry	First child	None	Description	Specifies that the access rule will only apply to the packets with this destination MAC address.
Object name	swCpuAclEtherRuleDstMacAddress																						
Object ID	1.3.6.1.4.1.171.12.9.5.1.1.5																						
Module	ACLMGMT-MIB																						
Base syntax	Octet String																						
Composed syntax	MacAddress																						
Access	Read-Create																						
Status	Current																						
Value list	1 : 6..6																						
Parent node	swCpuAclEtherRuleEntry																						
First child	None																						
Description	Specifies that the access rule will only apply to the packets with this destination MAC address.																						

1.3.6.1.4.1.171.12.9.5.1.1.6

- swCpuAclEtherRule8021P
- swCpuAclEtherRuleEtherType
- swCpuAclEtherRulePermit
- swCpuAclEtherRuleRowStatus
- swCpuAclEtherRulePort
- swCpuAclEtherRuleMatchVID
- CpuAclpRuleTable
 - swCpuAclpRuleEntry
 - swCpuAclpRuleProfileID
 - swCpuAclpRuleAccessID
 - swCpuAclpRuleVlan
 - swCpuAclpRuleSrcIpaddress
 - swCpuAclpRuleDstIpaddress
 - swCpuAclpRuleDscp

Object name	swCpuAclEtherRule8021P
Object ID	1.3.6.1.4.1.171.12.9.5.1.1.6
Module	ACLMGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Create
Status	Current
Value list	1 : -1..7
Parent node	swCpuAclEtherRuleEntry
First child	None
Description	Specifies that the access rule will only apply to packets with this 802.1p priority value. A value of -1 indicates that this node is not actively used.

1.3.6.1.4.1.171.12.9.5.1.1.7

- swCpuAclEtherRule8021P
- swCpuAclEtherRuleEtherType
- swCpuAclEtherRulePermit
- swCpuAclEtherRuleRowStatus
- swCpuAclEtherRulePort
- swCpuAclEtherRuleMatchVID
- CpuAclpRuleTable
 - swCpuAclpRuleEntry
 - swCpuAclpRuleProfileID
 - swCpuAclpRuleAccessID
 - swCpuAclpRuleVlan
 - swCpuAclpRuleSrcIpaddress
 - swCpuAclpRuleDstIpaddress
 - swCpuAclpRuleDscp

Object name	swCpuAclEtherRuleEtherType
Object ID	1.3.6.1.4.1.171.12.9.5.1.1.7
Module	ACLMGMT-MIB
Base syntax	Octet String
Composed syntax	OCTET STRING
Access	Read-Create
Status	Current
Value list	1 : 2..2
Parent node	swCpuAclEtherRuleEntry
First child	None
Description	Specifies that the access rule will only apply to packets with this 802.1Q Ethernet type value in the packet header.

1.3.6.1.4.1.171.12.9.5.1.1.8

- swCpuAclEtherRule8021P
- swCpuAclEtherRuleEtherType
- swCpuAclEtherRulePermit
- swCpuAclEtherRuleRowStatus
- swCpuAclEtherRulePort
- swCpuAclEtherRuleMatchVID
- CpuAclpRuleTable
 - swCpuAclpRuleEntry
 - swCpuAclpRuleProfileID
 - swCpuAclpRuleAccessID
 - swCpuAclpRuleVlan
 - swCpuAclpRuleSrcIpaddress
 - swCpuAclpRuleDstIpaddress
 - swCpuAclpRuleDscp
 - swCpuAclpRuleProtocol
 - swCpuAclpRuleType
 - swCpuAclpRuleCode
 - swCpuAclpRuleSrcPort
 - swCpuAclpRuleDstPort

Object name	swCpuAclEtherRulePermit
Object ID	1.3.6.1.4.1.171.12.9.5.1.1.8
Module	ACLMGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Create
Status	Current
Value list	1 : deny(1) 2 : permit(2)
Parent node	swCpuAclEtherRuleEntry
First child	None
Description	This object indicates if the result of the packet examination is to 'permit' or 'deny'. The default is 'permit'. permit - Specifies that packets that match the access profile are permitted to be forwarded by the switch. deny - Specifies that packets that match the access profile are not permitted to be forwarded by the switch and will be filtered.

1.3.6.1.4.1.171.12.9.5.1.1.9

- swCpuAclEtherRule8021P
- swCpuAclEtherRuleEtherType
- swCpuAclEtherRulePermit
- **swCpuAclEtherRuleRowStatus**
- swCpuAclEtherRulePort
- swCpuAclEtherRuleMatchVID
- CpuAclpRuleTable
 - swCpuAclpRuleEntry
 - swCpuAclpRuleProfileID
 - swCpuAclpRuleAccessID
 - swCpuAclpRuleVlan
 - swCpuAclpRuleSrcIpaddress
 - swCpuAclpRuleDstIpaddress
 - swCpuAclpRuleDscp
 - swCpuAclpRuleProtocol
 - swCpuAclpRuleType
 - swCpuAclpRuleCode
 - swCpuAclpRuleSrcPort

Object name	swCpuAclEtherRuleRowStatus
Object ID	1.3.6.1.4.1.171.12.9.5.1.1.9
Module	ACLMGMT-MIB
Base syntax	Integer
Composed syntax	RowStatus
Access	Read-Create
Status	Current
Value list	1 : active(1) 2 : notInService(2) 3 : notReady(3) 4 : createAndGo(4) 5 : createAndWait(5) 6 : destroy(6)
Parent node	swCpuAclEtherRuleEntry
First child	None
Description	This object indicates the status of this entry.

1.3.6.1.4.1.171.12.9.5.1.1.10

- swCpuAclEtherRuleRowStatus
- **swCpuAclEtherRulePort**
- swCpuAclEtherRuleMatchVID
- CpuAclpRuleTable
 - swCpuAclpRuleEntry
 - swCpuAclpRuleProfileID
 - swCpuAclpRuleAccessID
 - swCpuAclpRuleVlan
 - swCpuAclpRuleSrcIpaddress
 - swCpuAclpRuleDstIpaddress
 - swCpuAclpRuleDscp
 - swCpuAclpRuleProtocol
 - swCpuAclpRuleType

Object name	swCpuAclEtherRulePort
Object ID	1.3.6.1.4.1.171.12.9.5.1.1.10
Module	ACLMGMT-MIB
Base syntax	Octet String
Composed syntax	PortList
Access	Read-Create
Status	Current
Value list	1 : 0..127
Parent node	swCpuAclEtherRuleEntry
First child	None
Description	Specifies that the access rule will only apply to port(s).

1.3.6.1.4.1.171.12.9.5.1.1.11

- swCpuAclEtherRuleRowStatus
- swCpuAclEtherRulePort
- **swCpuAclEtherRuleMatchVID**
- CpuAclpRuleTable
 - swCpuAclpRuleEntry
 - swCpuAclpRuleProfileID
 - swCpuAclpRuleAccessID
 - swCpuAclpRuleVlan
 - swCpuAclpRuleSrcIpaddress
 - swCpuAclpRuleDstIpaddress
 - swCpuAclpRuleDscp
 - swCpuAclpRuleProtocol
 - swCpuAclpRuleType
 - swCpuAclpRuleCode

Object name	swCpuAclEtherRuleMatchVID
Object ID	1.3.6.1.4.1.171.12.9.5.1.1.11
Module	ACLMGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Create
Status	Current
Value list	1 : 0..4094
Parent node	swCpuAclEtherRuleEntry
First child	None
Description	Specifies that the access rule will apply only to packets with this VLAN ID.