

Contents

EPA commands	1
display epa monitor-information	1
epa monitor-rule	2
epa online-offline-log disable	3

EPA commands

display epa monitor-information

Use **display epa monitor-information** to display endpoint association and disassociation information detected by EPA.

Syntax

```
display epa monitor-information [ online | offline ] [ device device-id | mac mac-address [ vlan vlan-id ] ]
```

Views

Any view

Predefined user roles

network-admin

network-operator

Parameters

online: Displays endpoint association information.

offline: Displays endpoint disassociation information.

device *device-id*: Specifies a device by its bridge MAC address in the H-H-H format. In a SmartMC network, you can specify the bridge MAC address of a member to display only information about endpoints connecting to the member.

mac *mac-address*: Specifies an endpoint by its MAC address in the H-H-H format.

vlan *vlan-id*: Specifies a VLAN by its ID in the range of 1 to 4094. If you do not specify this option, the command displays information in all VLANs.

Usage guidelines

Only devices of Release 6320 or a higher version support this command.

In a SmartMC network, you can execute this command on the commander or on a member.

- If you execute this command on the commander, you can view information on all devices in the network or information on a specific device.
- If you execute this command on a member, you can view only association events of endpoints connecting to the member.

In a non-SmartMC network, this command displays information only on the device on which the command is executed.

For more information about SmartMC, see *Network Management and Monitoring Configuration Guide*.

Examples

In a SmartMC network, display endpoint association and disassociation information on the member device with bridge MAC address **3cf5-cc97-772f**.

```
<Sysname> display epa monitor-information device 3cf5-cc97-772f
```

```
Local device type   : SmartMC TM
```

```
Local device ID    : ae05-0607-eaaa
```

```
Endpoint information:
```

Access device ID	MAC address	VLAN	Interface	Status
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```

3cf5-cc97-772f    0e74-e2fb-0400 11    GE1/0/1    Online
3cf5-cc97-772f    5caf-2e5f-0100 11    GE1/0/2    Offline

```

In a non-SmartMC network, display endpoint association and disassociation information on the current device.

```
<Sysname> display epa monitor-information
```

```
Local device type   : Self-managed
```

```
Local device ID    : 3cf5-cc97-772e
```

```
Endpoint information:
```

```

Access device ID  MAC address  VLAN  Interface  Status
3cf5-cc97-772e   1cab-34aa-d00e 10    GE1/0/1    Online
3cf5-cc97-772e   0000-02b5-ed00 10    GE1/0/2    Offline

```

Table 1 Command output

Field	Description
Local device type	Local device type. Options include: <ul style="list-style-type: none"> Self-managed—Indicates a device in a non-SmartMC network. SmartMC TM—Indicates the commander in a SmartMC network. SmartMC TC—Indicates a member in a SmartMC network.
Local device ID	Local device ID (bridge MAC address).
Access device ID	ID (bridge MAC address) of the connected device.
MAC address	MAC address of the endpoint.
VLAN	VLAN in which the endpoint resides.
Interface	Interface to which the endpoint is connected.
Status	Endpoint status. Options include: <ul style="list-style-type: none"> Online. Offline.

Related commands

`epa monitor-rule`

epa monitor-rule

Use `epa monitor-rule` to create an endpoint monitor rule.

Use `undo epa monitor-rule` to remove an endpoint monitor rule.

Syntax

```
epa monitor-rule [ monitor-rule-id ] mac mac-address [ mask mac-mask ]
[ vlan vlan-id ]
```

```
undo epa monitor-rule { monitor-rule-id | mac mac-address [ mask mac-mask ]
[ vlan vlan-id ] }
```

Default

No endpoint monitor rules exist.

Views

System view

Predefined user roles

network-admin

Parameters

monitor-rule-id: Specifies the rule ID in the range of 1 to 1024. If you do not specify this argument, the command assigns the smallest available ID to the rule.

mac *mac-address*: Specifies the MAC address of the endpoint to monitor, in the H-H-H format.

mask *mac-mask*: Specifies the MAC address mask of the endpoints to monitor, in the H-H-H format.

vlan *vlan-id*: Specifies the VLAN in which the endpoint will be monitored. The *vlan-id* argument represents the VLAN ID in the range of 1 to 4094. If you do not specify this option, the command creates a rule that monitors the endpoint in all VLANs.

Usage guidelines

Only devices of Release 6320 or a higher version support this command.

In a SmartMC network, you can execute this command only on the commander. The commander will deploy the rule to all members to monitor associations and disassociations of the specified endpoint in the entire network.

In a non-SmartMC network, this command enables the device to monitor associations and disassociations of the specified endpoint only on the device itself.

Examples

Create an endpoint monitor rule to monitor the endpoints whose MAC address starts with **0e74** in all VLANs.

```
<Sysname> system-view
```

```
[Sysname] epa monitor-rule mac 0e74-e2fb-0400 mask ffff-0000-0000
```

Related commands

```
display epa monitor-information
```

epa online-offline-log disable

Use **epa online-offline-log disable** to disable EPA logging.

Use **undo epa online-offline-log disable** to enable EPA logging.

Syntax

```
epa online-offline-log disable
```

```
undo epa online-offline-log disable
```

Default

EPA logging is enabled.

Views

System view

Predefined user roles

network-admin

Usage guidelines

Only devices of Release 6320 or a higher version support this command.

By default, the EPA module logs endpoint associations and disassociations. If a monitored endpoint comes online or goes offline frequently, the device will generate a large number of log entries. In this case, to avoid affecting device performance, disable EPA logging as a best practice.

Examples

```
# Disable EPA logging.
```

```
<Sysname> system-view
```

```
[Sysname] epa online-offline-log disable
```

Related commands

```
epa monitor-rule
```