IP Aging

This chapter contains the following sections:

Overview

The IP Aging policy tracks and ages unused IP addresses on an endpoint. Tracking is performed using the endpoint retention policy configured for the bridge domain to send ARP requests (for IPv4) and neighbor solicitations (for IPv6) at 75% of the local endpoint aging interval. When no response is received from an IP address, that IP address is aged out.

This document explains how to configure the IP Aging policy.

Configuring the IP Aging Policy Using the GUI

This section explains how to enable and disable the IP Aging policy.

Procedure

Step 1   From the menu bar, click the **System** tab.

Step 2   From the submenu bar, click **System Settings**.

Step 3   In the navigation pane, click **Endpoint Controls**.

Step 4   In the work pane, click **Ip Aging**.
The **IP Aging Policy** appears with the **Administrative State Disabled** button selected.

Step 5   From the **Administrative State**, click one of the following options:

- **Enabled**—Enables IP aging

> • **Disabled**—Disables IP aging

What to do next

To specify the interval used for tracking IP addresses on endpoints, create an End Point Retention policy by navigating to **Tenants** > *tenant-name* > **Policies** > **Protocol**, right-click **End Point Retention**, and choose **Create End Point Retention Policy**.

Configuring the IP Aging Policy Using the NX-OS-Style CLI

This section explains how to enable and disable the IP Aging policy using the CLI.

Procedure

Step 1   To enable the IP aging policy:

Example:
```
ifc1(config)# endpoint ip aging
```

Step 2   To disable the IP aging policy:

Example:
```
ifav9-ifc1(config)# no endpoint ip aging
```

What to do next

To specify the interval used for tracking IP addresses on endpoints, create an Endpoint Retention policy.

Configuring IP Aging Using the REST API

This section explains how to enable and disable the IP aging policy using the REST API.

Procedure

Step 1   To enable the IP aging policy:

Example:
```
<epIpAgingP adminSt="enabled" descr="" dn="uni/infra/ipAgingP-default" name="default"
ownerKey="" ownerTag=""/>
```

Step 2   To disable the IP aging policy:

Example:

```
<epIpAgingP adminSt="disabled" descr="" dn="uni/infra/ipAgingP-default" name="default"
ownerKey="" ownerTag=""/>
```

What to do next

To specify the interval used for tracking IP addresses on endpoints, create an Endpoint Retention policy by sending a post with XML such as the following example:

```
<fvEpRetPol bounceAgeIntvl="630" bounceTrig="protocol"
holdIntvl="350" lcOwn="local" localEpAgeIntvl="900" moveFreq="256"
name="EndpointPol1" remoteEpAgeIntvl="350"/>
```