



P Commands

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periodic-inventory (Call Home)

To configure the switch to periodically send a message with an inventory of all software services currently enabled and running on the device with hardware inventory information, use the `periodic-inventory` command. To disable the periodic messages, use the `no` form of this command.

```
periodic-inventory notification [interval time-period | timeofday time-of-day]
no periodic-inventory notification [interval time-period | timeofday time-of-day]
```

Syntax Description

notification	Enables sending periodic software inventory messages.
interval time-period	(Optional) Specifies the time period for periodic inventory notification. The time period range is from 1 to 30 days, and the default is 7 days.
timeofday time-of-day	(Optional) Specifies the time of day for periodic inventory notification. The time of day is in HH:MM format.

Command Default

Interval: 7 days

Command Modes

Callhome configuration mode

Command History

Release	Modification
	This command was introduced.

Usage Guidelines

The switch generates two Call Home notifications: periodic configuration messages and periodic inventory messages.

Examples

This example shows how to configure a periodic inventory notification to generate every 5 days:

```
switch(config-callhome)# periodic-inventory notification interval 5
switch(config-callhome)#
```

This example shows how to disable a periodic inventory notification for Call Home:

```
switch(config-callhome)# no periodic-inventory notification interval 5
switch(config-callhome)#
```

Related Commands

Command	Description
copy running-config startup-config	Saves this configuration change.
show callhome	Displays Call Home configuration information.
show running-config callhome	Displays the running configuration information for Call Home.

ptp vlan

To specify the VLAN for the interface where PTP is being enabled, use the `ptp vlan` command. To disable this feature, use the `no` form of this command.

```
ptp vlan vlan-id
no ptp vlan
```

Syntax Description

vlan-id	The VLAN ID for the interface where PTP is being enabled. The range is from 1 to 4094.
---------	--

Command Default

1

Command Modes

Interface configuration mode

Command History

Release	Modification
5.2(1)N1(1)	This command was introduced.

Usage Guidelines

PTP can only be enabled on one VLAN on an interface.

Examples

This example shows how to specify VLAN 10 as the interface where PTP is being enabled:

```
switch# configure terminal
switch(config) # interface ethernet
5/1
switch(config-if) # ptp vlan 10
```

Related Commands

Command	Description
<code>feature ptp</code>	Enables or disables PTP on the device.
<code>ptp announce</code>	Configures the interval between PTP announce messages on an interface or the number of PTP intervals before a timeout occurs on an interface.
<code>ptp delay request minimum interval</code>	Configures the minimum interval allowed between PTP delay-request messages when the port is in the master state.
<code>ptp sync interval</code>	Configures the interval between PTP synchronization messages on an interface.
<code>show ptp brief</code>	Displays the PTP status.
<code>show ptp port interface ethernet</code>	Displays the status of the PTP port on the switch.

ptp sync interval

To configure the interval between PTP synchronization messages, use the `ptp sync interval` command. To disable this feature, use the `no` form of this command.

```
ptp sync interval log-seconds
no ptp sync interval
```

Syntax Description

log-seconds	The number of log seconds between PTP synchronization messages on an interface. The range is from -3 seconds to 1 second.
-------------	---

Command Default

None

Command Modes

Interface configuration mode

Command History

Release	Modification
5.2(1)N1(1)	This command was introduced.

Examples

This example shows how to set the PTP synchronization interval to -3:

```
switch# configure terminal
switch(config) # interface ethernet
5/1
switch(config-if) # ptp sync interval -3
```

Related Commands

Command	Description
<code>feature ptp</code>	Enables or disables PTP on the device.
<code>ptp announce</code>	Configures the interval between PTP announce messages on an interface or the number of PTP intervals before a timeout occurs on an interface.
<code>ptp delay request minimum interval</code>	Configures the minimum interval allowed between PTP delay-request messages when the port is in the master state.
<code>ptp vlan</code>	Configures the VLAN for the interface where PTP is being enabled.
<code>show ptp brief</code>	Displays the PTP status.
<code>show ptp port interface ethernet</code>	Displays the status of the PTP port on the switch.

ptp source

To configure the source IP address for all PTP packets, use the `ptp source` command. To unconfigure the source IP address for all PTP packets, use the `no` form of this command.

```
ptp source ip-address [vrf vrf]
no ptp source ip-address [vrf vrf]
```

Syntax Description

ip-address	Specifies the source IP address for all PTP packets. The IP address can be in IPv4 or IPv6 format.
vrf vrf	Specifies the VRF.

Command Default

None

Command Modes

Global configuration mode

Command History

Release	Modification
5.2(1)N1(1)	This command was introduced.

Examples

This example shows how to configure the source IP address for all PTP packets:

```
switch(config)# ptp source 192.0.2.1
```

Related Commands

Command	Description
feature ptp	Enables or disables PTP on the device.
ptp domain	Configures the domain number to use for this clock.
ptp priority1	Configures the priority 1 value to use when advertising this clock.
ptp priority2	Configures the priority 1 value to use when advertising this clock.
show ptp brief	Displays the PTP status.
show ptp clock	Displays the properties of the local clock.

ptp priority2

To configure the priority2 value to use when advertising this clock, use the ptp priority2 command.

```
ptp priority2 value
no ptp priority2 value
```

Syntax Description

value	The configured value is used to decide between two devices that are otherwise equally matched in the default criteria. For example, you can use the priority2 value to give a specific switch priority over other identical switches. The range is from 0 to 255.
-------	---

Command Default

255 when advertising the clock

Command Modes

Global configuration mode

Command History

Release	Modification
5.2(1)N1(1)	This command was introduced.

Examples

This example shows how to set the priority2 value used to advertise this clock:

```
switch(config)# ptp priority2 20
```

Related Commands

Command	Description
feature ptp	Enables or disables PTP on the device.
ptp source	Configures the source IP address for all PTP packets.
ptp domain	Configures the domain number to use for this clock.
ptp priority1	Configures the priority1 value to use when advertising this clock.
show ptp brief	Displays the PTP status.
show ptp clock	Displays the properties of the local clock.

ptp priority1

To configure the priority1 value to use when advertising this clock, use the ptp priority1 command.

```
ptp priority1 value
no ptp priority1 value
```

Syntax Description

value	The configured value overrides the default criteria (clock quality, clock class, etc.) for best master clock selection. Lower values take precedence. The range is from 0 to 255.
-------	---

Command Default

255 when advertising the clock

Command Modes

Global configuration mode

Command History

Release	Modification
5.2(1)N1(1)	This command was introduced.

Examples

This example shows how to set the priority1 value used to advertise this clock:

```
switch(config)# ptp priority1 10
```

Related Commands

Command	Description
feature ptp	Enables or disables PTP on the device.
ptp source	Configures the source IP address for all PTP packets.
ptp domain	Configures the domain number to use for this clock.
ptp priority2	Configures the priority2 value to use when advertising this clock.
show ptp brief	Displays the PTP status.
show ptp clock	Displays the properties of the local clock.

ptp domain

To configure the domain number to use for this clock, use the `ptp domain` command. PTP domains allow you to use multiple independent PTP clocking subdomains on a single network.

```
ptp domain number
no ptp domain number
```

Syntax Description

number	Configures the domain number to use for this clock. The range is from 0 to 128.
--------	---

Command Default

0

Command Modes

Global configuration mode

Command History

Release	Modification
5.2(1)N1(1)	This command was introduced.

Examples

This example shows how to configure the domain number for use with a clock:

```
switch(config)# ptp domain 1
```

Related Commands

Command	Description
<code>feature ptp</code>	Enables or disables PTP on the device.
<code>ptp source</code>	Configures the source IP address for all PTP packets.
<code>ptp priority1</code>	Configures the priority 1 value to use when advertising this clock.
<code>ptp priority2</code>	Configures the priority 1 value to use when advertising this clock.
<code>show ptp brief</code>	Displays the PTP status.
<code>show ptp clock</code>	Displays the properties of the local clock.

ptp delay request minimum interval

To configure the minimum interval allowed between PTP delay request messages when the port is in the master state, use the `ptp delay request minimum interval` command. To disable this feature, use the `no` form of this command.

```
ptp delay request minimum interval log-seconds
no ptp delay request minimum interval
```

Syntax Description

log-seconds	The number of log seconds between PTP delay request messages. The range is from -1 to 6 seconds.
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Command Default

0 log seconds

Command Modes

Interface configuration mode

Command History

Release	Modification
5.2(1)N1(1)	This command was introduced.

Examples

This example shows how to set the minimum delay request interval to 3:

```
switch# configure terminal
switch(config) # interface ethernet
5/1
switch(config-if) # ptp delay request minimum interval 3
```

Related Commands

Command	Description
<code>feature ptp</code>	Enables or disables PTP on the device.
<code>ptp announce</code>	Configures the interval between PTP announce messages on an interface or the number of PTP intervals before a timeout occurs on an interface.
<code>ptp sync interval</code>	Configures the interval between PTP synchronization messages on an interface.
<code>ptp vlan</code>	Configures the VLAN for the interface where PTP is being enabled.
<code>show ptp brief</code>	Displays the PTP status.
<code>show ptp port interface ethernet</code>	Displays the status of the PTP port on the switch.

ptp announce

To configure the interval between PTP announcement messages on an interface or the number of PTP intervals before a timeout occurs on an interface, use the `ptp announce` command. To disable this feature, use the `no` form of this command.

```
ptp announce interval log-seconds | timeout count
no ptp announce
```

Syntax Description

interval log-seconds	The number of log seconds between PTP announcement messages. The range is from 0 to 4 seconds.
timeout count	The number of PTP intervals before a timeout occurs on the interface. The range is from 2 to 10.

Command Default

The default interval is 1 log second.

The default timeout is 3 announce intervals.

Command Modes

Interfaces configuration mode

Command History

Release	Modification
5.2(1)N1(1)	This command was introduced.

Examples

This example shows how to set the announcement interval on interface 5/1 to 1:

```
switch# configure terminal
switch(config) # interface ethernet
  5/1
switch(config-if)# ptp announce interval 1
switch(config-if)
```

Related Commands

Command	Description
feature ptp	Enables or disables PTP on the device.
ptp delay request minimum interval	Configures the minimum interval allowed between PTP delay-request messages when the port is in the master state.
ptp sync interval	Configures the interval between PTP synchronization messages on an interface.
ptp vlan	Configures the VLAN for the interface where PTP is being enabled.
show ptp brief	Displays the PTP status.
show ptp port interface ethernet	Displays the status of the PTP port on the switch.

poweroff module

To power off a module, use the poweroff module command. To return power to the module, use the no form of this command.

```
poweroff module module
no poweroff module module
```

Syntax Description	module	Module number. The range is from 1 to 18.
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Command Default	None
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Command Default	Global configuration (config)
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Command History	Release	Modification
	5.2(1)N1(1)	The command was introduced.

Usage Guidelines	This command does not require a license.
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Examples	This example shows how to power off module 2:
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```
switch# poweroff module 2
```

Related Commands	Command	Description
	show module	Displays information about modules.

phone-contact (Call Home)

To configure the phone number for the primary person responsible for the device, use the phone-contact command. To remove a phone contact, use the no form of this command.

```
phone-contact phone-no
no phone-contact
```

Syntax Description

phone-no	Phone number in international phone number format, such as +1-800-123-4567. The phone number can be a maximum of 17 alphanumeric characters and cannot contain spaces. Note You must use the + prefix before the number.
----------	--

Command Default

None

Command Modes

Callhome configuration mode

Command History

Release	Modification
	This command was introduced.

Examples

This example shows how to configure a phone number for the primary person responsible for the device:

```
switch(config-callhome) # phone-contact +1-800-123-4567
switch(config-callhome) #
```

Related Commands

Command	Description
copy running-config startup-config	Saves this configuration change.
show callhome	Displays a summary of the Call Home configuration.
streetaddress	Configures the street address for the primary person responsible for the switch.