



CHAPTER 7

Verifying the Port Profile Configuration

This chapter describes the commands used to verify port profile configurations and includes the following sections:

- [Verifying the Port Profile Configuration, page 7-1](#)
- [Feature History for Port Profile Verification, page 7-5](#)

Verifying the Port Profile Configuration

You can use the following commands to verify the port profile configuration.

Command	Purpose
show port-profile [brief expand-interface usage] [name <i>profile-name</i>]	Displays the port profile configuration. See Example 7-1 on page 7-2 . See Example 7-2 on page 7-3 . See Example 7-3 on page 7-3 . See Example 7-5 on page 7-4 . See Example 7-6 on page 7-4 .
show port-profile-role [name <i>port-profile-role-name</i>]	Displays the port profile role configuration, including role names, descriptions, assigned users, and assigned groups. See Example 7-9 on page 7-5 .
show running-config port-profile [<i>profile-name</i>]	Displays the port profile configuration. See Example 7-8 on page 7-4 .
show port-profile-role users	Displays available users and groups. See Example 7-10 on page 7-5 .
show port-profile sync-status [interface <i>if-name</i>]	Displays interfaces that are out of sync with the port profile. See Example 7-7 on page 7-4 .

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Command	Purpose
show port-profile virtual usage [name profile-name]	Displays the port profile usage by interface. See Example 7-4 on page 7-3 .
show running-config port-profile [prof-name]	Displays the port profile configuration, including interface assignments. See Example 7-8 on page 7-4 .

For detailed information about the command output, see the *Cisco Nexus 1000V Command Reference, Release 4.2(1)SV1(4)*.

EXAMPLES

Example 7-1 show port-profile

```
n1000v# show port-profile
port-profile UpLinkProfile1
  description:
  type: vethernet
  status: disabled
  capability l3control: no
  pinning control-vlan: -
  pinning packet-vlan: -
  system vlans: none
  port-group:
  max ports: 32
  inherit:
  config attributes:
    channel-group auto mode on mac-pinning
  evaluated config attributes:
    channel-group auto mode on mac-pinning
  assigned interfaces:
port-profile UpLinkProfile2
  description:
  type: vethernet
  status: disabled
  capability l3control: no
  pinning control-vlan: -
  pinning packet-vlan: -
  system vlans: none
  port-group:
  max ports: 32
  inherit:
  config attributes:
    channel-group auto mode on sub-group cdp
  evaluated config attributes:
    channel-group auto mode on sub-group cdp
  assigned interfaces:
port-profile UpLinkProfile3
  description:
  type: vethernet
  status: disabled
  capability l3control: no
  pinning control-vlan: -
  pinning packet-vlan: -
  system vlans: none
  port-group:
  max ports: 32
  inherit:
```

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```
config attributes:
  channel-group auto mode on sub-group manual
evaluated config attributes:
  channel-group auto mode on sub-group manual
assigned interfaces:n1000v#
```

Example 7-2 show port-profile name UpLinkProfile

```
n1000v# show port-profile name UpLinkProfile3
port-profile UpLinkProfile3
description:
type: vethernet
status: disabled
capability l3control: no
pinning control-vlan: -
pinning packet-vlan: -
system vlans: none
port-group:
max ports: 32
inherit:
config attributes:
  channel-group auto mode on sub-group manual
evaluated config attributes:
  channel-group auto mode on sub-group manual
assigned interfaces:
n1000v#
```

Example 7-3 show port-profile brief

```
n1000v# show port-profile brief
-----
Port Profile                               Profile State Remote Mgmt Conf Items Eval Items Child Intfs Child Profs
-----
UplinkProfile1                            enabled vmware      3      3      1      0
UplinkProfile2                            enabled vmware      3      3      2      0
Ubuntu-Profile                            enabled vmware      3      3      1      0
n1000v#
```

Example 7-4 show port-profile virtual usage

```
n1000v# show port-profile virtual usage
-----
Port Profile                               Port Adapter Owner
-----
nlkv-uplink0                               Po1
Eth3/2 vmnic1 localhost.
Eth3/3 vmnic2 localhost.
vlan1767                                   Veth7 Net Adapter 1 all-tool-7
Veth8 Net Adapter 1 all-tool-8
aipc1765                                    Veth4 Net Adapter 1 bl-h-s
inband1766                                  Veth6 Net Adapter 3 bl-h-s
mgmt1764                                     Veth5 Net Adapter 2 bl-h-s
vpc-mac-uplink                             Po7
Eth5/2 vmnic1 localhost.
Eth5/3 vmnic2 localhost.
ch-vpc-mac-uplink                         Po2
Po3
Eth4/2 vmnic1 VDANIKLNCOS
Eth4/3 vmnic2 VDANIKLNCOS
ch-aipc1765                                 Veth1 Net Adapter 1 bl-h-p
ch-mgmt1764                                 Veth2 Net Adapter 2 bl-h-p
```

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```
ch-inband1766          Veth3          Net Adapter 3  bl-h-p
n1000v#
```

Example 7-5 show port-profile expand-interface name UplinkProfile1

```
n1000v# show port-profile expand-interface name UplinkProfile1
port-profile UplinkProfile1
Ethernet2/2
  switchport mode trunk
  switchport trunk allowed vlan 110-119
  no shutdown
n1000v#
```

Example 7-6 show port-profile expand-interface

```
n1000v# show port-profile expand-interface
port-profile UplinkProfile1
Ethernet2/2
  switchport mode trunk
  switchport trunk allowed vlan 110-119
  no shutdown

port-profile UplinkProfile2
Ethernet2/3
  switchport mode trunk
  switchport trunk allowed vlan 117
  no shutdown
Ethernet2/4
  switchport mode trunk
  switchport trunk allowed vlan 117
  no shutdown

port-profile Ubuntu-Profile
Vethernet439
  switchport mode access
  switchport access vlan 118
  no shutdown
n1000v#
```

Example 7-7 show port-profile sync-status

```
n1000v# show port-profile sync-status interface ethernet 3/2
Ethernet3/2
port-profile: uplink
interface status: quarantine
sync status: out of sync
cached commands:
errors:
  command cache overrun
recovery steps:
  bring interface online
n1000v#
```

Example 7-8 show running-config port-profile

```
n1000v# show running-config port-profile
port-profile type ethernet UplinkProfile1
  description "Profile for critical system ports"
  vmware port-group
  switchport mode access
  switchport access vlan 113
```

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```
switchport trunk native vlan 113
channel-group auto mode on
no shutdown
port-profile type vethernet UplinkProfile2
vmware port-group
vmware max-ports 5
switchport mode trunk
switchport trunk native vlan 112
channel-group auto mode on sub-group cdp
no shutdown
n1000v#
```

Example 7-9 show port-profile-role

```
n1000v# show port-profile-role name adminUser

Name: adminUser
Description: adminOnly
Users:
    hdbaar (user)
Assigned port-profiles:
    allaccess2
n1000v#
```

Example 7-10 show port-profile-role users

```
switch# show port-profile-role users
Groups:
    Administrators
    TestGroupB
Users:
    dbaar
    fgreen
    suchen
    mariofr
switch#
```

Feature History for Port Profile Verification

This section provides the feature history for port profile verification.

Feature Name	Releases	Feature Information
show port-profile-role users	4.2(1)SV1(4)	This command output shows the available users and groups.
show port-profile-role	4.2(1)SV1(4)	This command output shows the configuration for port profile roles.
show running-config port-profile	4.0(4)SV1(2)	This command output shows the configuration for port profiles.
show running-config command	4.0(4)SV1(2)	This command output has the following changes: <ul style="list-style-type: none"> Shows the port profile type (Ethernet or vEthernet). Optionally, you can display running configurations for all port profiles or a specific port profile.

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Feature Name	Releases	Feature Information
<code>show port-profile name</code> command	4.0(4)SV1(2)	This command output shows the port profile type, pinning, and channel-group configuration. The uplink capability is removed from the output of this command since port profiles used as uplinks are now configured as Ethernet type instead.
Port Profile verification	4.0(4)SV1(1)	This feature was introduced.