Verifying the Port Profile Configuration

This chapter contains the following sections:

Verifying the Port Profile Configuration

Use one of the following commands to verify the configuration:

- **show port-profile** [**brief** | **expand-interface** | **usage**] [**name** *profile-name*]

- **show port-profile-role** [**name** *port-profile-role-name*]

- **show running-config port-profile** [*profile-name*]

- **show port-profile-role users**

- **show port-profile sync-status** [**interface** *if-name*]

- **show port-profile virtual usage** [**name** *profile-name*]

For detailed information about the command output, see the *Cisco Nexus 1000V Command Reference*.

show port profile

```
switch# show port-profile
port-profile UpLinkProfile1
  description:
  type: vethernet
  status: disabled
  pinning control-vlan: -
  pinning packet-vlan: -
  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-group:
  system vlans: none
  capability l3control: no
  capability iscsi-multipath: no
```

```
    capability vxlan: no
    capability l3-vservice: no
    port-profile role: none
    port-binding: static
port-profile UpLinkProfile2
  description:
  type: vethernet
  status: disabled
  pinning control-vlan: -
  pinning packet-vlan: -
  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-group:
  system vlans: none
  capability l3control: no
  capability iscsi-multipath: no
  capability vxlan: no
  capability l3-vservice: no
  port-profile role: none
  port-binding: static
port-profile UpLinkProfile3
  description:
  type: vethernet
  status: disabled
  pinning control-vlan: -
  pinning packet-vlan: -
  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:
  port-group:
  system vlans: none
  capability l3control: no
  capability iscsi-multipath: no
  capability vxlan: no
  capability l3-vservice: no
  port-profile role: none
  port-binding: static
switch#
```

show port-profile name UpLinkProfile

```
switch# show port-profile name UpLinkProfile3
port-profile UpLinkProfile3
  description:
  type: vethernet
  status: disabled
  pinning control-vlan: -
  pinning packet-vlan: -
  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:
```

```
      port-group:
      system vlans: none
      capability l3control: no
      capability iscsi-multipath: no
      capability vxlan: no
      capability l3-vservice: no
      port-profile role: none
      port-binding: static

switch#
```

show port-profile brief

```
switch# show port-profile brief
--------------------------------------------------------------------------------
Port                    Profile     Profile  Conf   Eval   Assigned  Child
Profile                 Type        State    Items  Items  Intfs     Profs
--------------------------------------------------------------------------------
UplinkProfile1          Vethernet   1        3      3      0         0
UplinkProfile2          Ethernet    1        3      3      0         0
Ubuntu-Profile          Vethernet   1        1      3      0         0
pvlan_uplink            Vethernet   1        1      1      0         0
VM_PP                   Vethernet   0        0      0      0         0
L3_mode                 Vethernet   1        3      3      0         0
switch#
```

show port-profile virtual usage

```
switch# show port-profile virtual usage
--------------------------------------------------------------------------------
Port Profile            Port        Adapter         Owner
--------------------------------------------------------------------------------
n1kv-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
ch-inband1766           Veth3       Net Adapter 3   bl-h-p
switch#
```

show port-profile expand-interface name UplinkProfile1

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

show port-profile expand-interface

```
switch# 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
switch#
```

show port-profile sync-status

```
switch# 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
switch#
```

show running-config port-profile

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

show port-profile-role

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

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

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

Feature Name	Release	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	4.0(4)SV1(2)	This command output has the following changes: • Shows the port profile type (Ethernet or vEthernet). • Optionally, you can display the running configurations for all port profiles or a specific port profile.
show port-profile *name*	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 because port profiles used as uplinks are now configured as Ethernet type instead.
Port profile verification	4.0(4)SV1(1)	This feature was introduced.