



Verifying the Port Profile Configuration

This chapter contains the following sections:

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

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 running-config port-profile [profile-name]`
- `show port-profile virtual usage [name profile-name]`
- `show running-config port-profile [prof-name]`

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

show port profile

```
switch# show port-profile
port-profile PVLAN_MAC
type: Ethernet
description: NSM created profile. Do not delete.
status: enabled
max-ports: 512
min-ports: 1
inherit: MAC
config attributes:
switchport mode private-vlan trunk promiscuous
switchport private-vlan mapping trunk 356 357-358
switchport private-vlan trunk allowed vlan 342,3000-3500
no shutdown
evaluated config attributes:
mtu 4074
switchport mode private-vlan trunk promiscuous
switchport private-vlan mapping trunk 356 357-358
switchport private-vlan trunk allowed vlan 342,3000-3500
channel-group auto mode on mac-pinning
no shutdown
assigned interfaces:
port-channell
```

```

port-channel3
Ethernet3/1
Ethernet3/2
port-group:
system vlans: none
capability l3control: no
capability iscsi-multipath: no
capability vxlan: no
capability l3-vn-service: no
port-profile role: none
port-binding: static

port-profile check
type: Vethernet
description:
status: disabled
max-ports: 32
min-ports: 1
inherit:
config attributes:
evaluated config attributes:
assigned interfaces:
port-group: check
system vlans: none
capability l3control: no
capability iscsi-multipath: no
capability vxlan: no
capability l3-vn-service: no
port-profile role: none
port-binding: static

port-profile default
type: Vethernet
description:
status: enabled
max-ports: 32
min-ports: 1
inherit:
config attributes:
no shutdown
evaluated config attributes:
no shutdown
assigned interfaces:
Vethernet9
port-group: default
system vlans: none
capability l3control: no
capability iscsi-multipath: no
capability vxlan: no
capability l3-vn-service: no
port-profile role: none
port-binding: static

port-profile dynpp_5a2a23c6-10a0-4cdd-b459-7840e2db118d_0cf1a4ea-a6e0-4cdf-b4ec-fcfa95ced562
type: Vethernet
description: NSM created profile. Do not delete.
status: enabled
max-ports: 32
min-ports: 1
inherit: check
config attributes:
switchport mode access
switchport access vlan 342
evaluated config attributes:
switchport mode access
switchport access vlan 342
assigned interfaces:
port-group:
system vlans: none
capability l3control: no
capability iscsi-multipath: no
capability vxlan: no
capability l3-vn-service: no

```

```

port-profile role: none
port-binding: static

port-profile dynpp_ebdcbd8e-96ab-4f9a-8975-c71283d0adc7_0cfla4ea-a6e0-4cdf-b4ec-fcfa95ced562
type: Vethernet
description: NSM created profile. Do not delete.
status: enabled
max-ports: 32
min-ports: 1
inherit: default
config attributes:
switchport mode access
switchport access vlan 342
evaluated config attributes:
switchport mode access
switchport access vlan 342
no shutdown
assigned interfaces:
Vethernet2
Vethernet3
Vethernet4
Vethernet5
Vethernet7
Vethernet8
Vethernet11
Vethernet14
port-group:
system vlans: none
capability l3control: no
capability iscsi-multipath: no
capability vxlan: no
capability l3-vn-service: no
port-profile role: none
port-binding: static
switch#

```

show port-profile name UpLinkProfile3

```

switch# 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:
switch#

```

show port-profile name PVLAN_MAC

```

switch# show port-profile name PVLAN_MAC
port-profile PVLAN_MAC
type: Ethernet
description: NSM created profile. Do not delete.
status: enabled
max-ports: 512
min-ports: 1
inherit: MAC
config attributes:
switchport mode private-vlan trunk promiscuous
switchport private-vlan mapping trunk 356 357-358
switchport private-vlan trunk allowed vlan 342,3000-3500

```

```

no shutdown
evaluated config attributes:
mtu 4074
switchport mode private-vlan trunk promiscuous
switchport private-vlan mapping trunk 356 357-358
switchport private-vlan trunk allowed vlan 342,3000-3500
channel-group auto mode on mac-pinning
no shutdown
assigned interfaces:
port-channel1
port-channel3
Ethernet3/1
Ethernet3/2
port-group:
system vlans: none
capability l3control: no
capability iscsi-multipath: no
capability vxlan: no
capability l3-vn-service: no
port-profile role: none
port-binding: static
switch#

```

show port-profile brief

```
switch# show port-profile brief
```

Port Profile	Profile Type	Profile State	Conf Items	Eval Items	Assigned Intfs	Child Profs
DATA-Lacp	Ethernet	1	3	4	10	0
DATA-Macpin	Ethernet	1	3	4	13	0
Eth-Profile-Mgmt	Ethernet	1	1	1	0	1
Lacp-Policy	Ethernet	1	2	2	0	4
Macpin-Policy	Ethernet	1	2	2	0	8
Macpin-Policy2	Ethernet	1	2	2	0	0
NSM_template_segmentation	Vethernet	1	1	1	0	0
NSM_template_vlan	Vethernet	1	1	1	0	0
PVLAN_Macpin	Ethernet	1	4	5	15	0
Uplink-10G-Lacp	Ethernet	1	3	4	0	0
dynpp_03ac7d00-933d-4fc6-89c6-83bdaadf4248_42cce283-638e-4b90-9762-4734bd78739c	Vethernet	1	2	12	0	0
dynpp_03ac7d00-933d-4fc6-89c6-83bdaadf4248_55e79594-417c-42b2-a574-8f28779dfbb2	Vethernet	1	2	12	0	0
dynpp_03ac7d00-933d-4fc6-89c6-83bdaadf4248_96d80bc3-aa5b-43b8-a784-ca023f59759a	Vethernet	1	2	12	8	0
dynpp_03ac7d00-933d-4fc6-89c6-83bdaadf4248_db8f0159-5f86-4c20-a424-d777a7086801	Vethernet	1	2	12	0	0
dynpp_4959aadf-c362-4bbf-8d80-0bbede356b9f_96d80bc3-aa5b-43b8-a784-ca023f59759a	Vethernet	1	2	4	0	0
system8	Vethernet	1	1	1	0	0
system9	Vethernet	1	1	1	0	0
test	Vethernet	0	1	1	0	1
uplink_network_default_policy	Ethernet	1	1	1	0	0
veth-no-policy	Vethernet	1	1	1	0	2
veth-policy	Vethernet	1	3	3	0	4
veth-policy3	Vethernet	1	3	3	0	1

Profile Type	Assigned Intfs	Total Prfls	Sys Prfls	Parent Prfls	Child Prfls	UsedBy Prfls
Vethernet	8	64	32	58	14	1
Ethernet	38	18	0	15	13	3

```
switch#
```

show port-profile virtual usage

```
switch# show port-profile virtual usage
```

Port Profile	Port	Adapter	Owner
--------------	------	---------	-------

```

PVLAN_Macpin          Po2
                    Po4
                    Po6
                    Po8
                    Po9
                    Eth3/1      vmnic0      NODE-135
                    Eth3/2      vmnic1      NODE-135
                    Eth4/1      vmnic0      NODE-137
                    Eth4/2      vmnic1      NODE-137
                    Eth5/2      vmnic1      NODE-139
                    Eth5/3      vmnic2      NODE-139
                    Eth6/1      vmnic0      NODE-141
                    Eth6/2      vmnic1      NODE-141
                    Eth7/1      vmnic0      NODE-UCS-158
                    Eth7/2      vmnic1      NODE-UCS-158
dynpp_03ac7d00-933d-4fc6-8 Veth1      LINUX-RHEL-01
                    Veth2      LINUX-RHEL-02
                    Veth3      LINUX-RHEL-03
                    Veth4      LINUX-RHEL-04
                    Veth5      LINUX-RHEL-05
                    Veth6      LINUX-RHEL-06
                    Veth7      LINUX-RHEL-07
switch#

```

show port-profile expand-interface name PVLAN_Macpin

```

switch# show port-profile expand-interface name PVLAN_Macpin
port-profile PVLAN_Macpin
port-channel2
  switchport mode private-vlan trunk promiscuous
  switchport private-vlan mapping trunk 264 10, 20, 30, 40, 50
  switchport private-vlan trunk allowed vlan 214,224,234,244,254,260,284
  switchport private-vlan trunk allowed vlan add 294,298
  channel-group auto mode on mac-pinning
  no shutdown
port-channel4
  switchport mode private-vlan trunk promiscuous
  switchport private-vlan mapping trunk 264 10, 20, 30, 40, 50
  switchport private-vlan trunk allowed vlan 214,224,234,244,254,260,284
  switchport private-vlan trunk allowed vlan add 294,298
  channel-group auto mode on mac-pinning
  no shutdown
port-channel6
  switchport mode private-vlan trunk promiscuous
  switchport private-vlan mapping trunk 264 10, 20, 30, 40, 50
  switchport private-vlan trunk allowed vlan 214,224,234,244,254,260,284
  switchport private-vlan trunk allowed vlan add 294,298
  channel-group auto mode on mac-pinning
  no shutdown
port-channel8
  switchport mode private-vlan trunk promiscuous
  switchport private-vlan mapping trunk 264 10, 20, 30, 40, 50
switch#

```

show port-profile expand-interface

```

switch# show port-profile expand-interface
port-profile DATA-Lacp
port-channel3
  switchport mode trunk
  switchport trunk allowed vlan 150,205,207,209,211,213,215,217,219,221
  switchport trunk allowed vlan add 223,225,227,229,231,233,235,237,239
  switchport trunk allowed vlan add 241,243,245,247,249,251,253,255,257
  switchport trunk allowed vlan add 261-263,265,267,269,271,273,275,277
  switchport trunk allowed vlan add 281,283,285,287,289,291,293,295,297
  switchport trunk allowed vlan add 299
  channel-group auto mode active
  no shutdown
port-channel5
  switchport mode trunk
  switchport trunk allowed vlan 150,205,207,209,211,213,215,217,219,221

```

```

switchport trunk allowed vlan add 223,225,227,229,231,233,235,237,239
switchport trunk allowed vlan add 241,243,245,247,249,251,253,255,257
switchport trunk allowed vlan add 261-263,265,267,269,271,273,275,277
switchport trunk allowed vlan add 281,283,285,287,289,291,293,295,297
switchport trunk allowed vlan add 299
channel-group auto mode active
no shutdown
Ethernet4/3
switchport mode trunk
switchport trunk allowed vlan 150,205,207,209,211,213,215,217,219,221
switchport trunk allowed vlan add 223,225,227,229,231,233,235,237,239
switch#

```

show running-config port-profile

```

switch# show running-config port-profile
!Command: show running-config port-profile
!Time: Mon Feb 11 14:41:43 2013

version 5.2(1)SM1(5.1)
port-profile default max-ports 32
port-profile default port-binding static
port-profile type vethernet NSM_template_vlan
no shutdown
guid b3f317de-190b-4b55-966a-ba7d4b67f741
description NSM default port-profile for VLAN networks. Do not delete.
state enabled
port-profile type vethernet NSM_template_segmentation
no shutdown
guid ad853f88-11db-48ec-9ab8-f8d616e0ff04
description NSM default port-profile for VXLAN networks. Do not delete.
state enabled
port-profile type ethernet uplink_network_default_policy
no shutdown
guid 8ca21cba-a5b3-46f6-addf-c80d01c81d76
max-ports 512
description NSM created profile. Do not delete.
state enabled

port-profile type vethernet system
no shutdown
guid 44598166-009e-43b1-a7cd-472efe951d44
publish port-profile
system port-profile
state enabled
port-profile type vethernet check
guid 5a2a23c6-10a0-4cdd-b459-7840e2db118d
publish port-profile

port-profile type ethernet PVLAN_MAC
inherit port-profile MAC
switchport mode private-vlan trunk promiscuous
switchport private-vlan mapping trunk 356 357-358
switchport private-vlan trunk allowed vlan 342,3000-3500
no shutdown
guid f8b3719c-e240-4cc0-8096-804c15819c08
max-ports 512
description NSM created profile. Do not delete.
state enabled

port-profile type vethernet
dynpp_5a2a23c6-10a0-4cdd-b459-7840e2db118d_0cfla4ea-a6e0-4cdf-b4ec-fcfa95ced562
inherit port-profile check
switchport mode access
switchport access vlan 342
guid 536bcf06-de07-4857-8f2c-41e134cab0df
description NSM created profile. Do not delete.
state enabled
switch#

```

Feature History for Port Profile Verification

Feature Name	Releases	Feature Information
Port Profile verification	5.2(1)SM1(5.1)	This feature was introduced.

