

Nexus Dashboard Controller License Consumption

• Nexus Dashboard controller license consumption, on page 1

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Nexus Dashboard (ND) controller or cluster is bundled with Day2Ops applications. These applications request for controller licenses such as controller-ess, controller-adv, or controller-pre from the NX-OS switch. Based on this request, the corresponding licenses such as NXOS_ESSENTIALS, NXOS_ADVANTAGE, or DCN_PREMIER are used on the switch.

You can verify the license usage using the **show license controller usage** or **show license usage** commands.

Note If you downgrade from NX-OS Release 10.5(2)F to a lower image version, and upgrade to the 10.5(2)F or later versions, you must verify the controller license again.

This is a sample output for **show license controller usage** command.

```
switch# show license controller usage
cluster01
NXOS_ESSENTIALS: TRUE
NXOS_ADVANTAGE: FALSE
DCN_PREMIER: FALSE

cluster02
NXOS_ESSENTIALS: FALSE
NXOS_ADVANTAGE: TRUE
DCN_PREMIER: FALSE

cluster03
NXOS_ESSENTIALS: FALSE
NXOS_ADVANTAGE: FALSE
DCN_PREMIER: TRUE

switch#
```

This is a sample output for **show license usage** command.

```
switch# show license usage
```

```
License Authorization:
Status: Not Applicable

(DCN_PREMIER):
Description: ACI Premier SW license for a 10/25/40G (XF) N9K Leaf
Count: 1
Version: 1.0
Status: IN USE
Enforcement Type: NOT ENFORCED
License Type: Generic

switch# show license usage DCN_PREMIER
Feature List:
controller-adv
controller-ess
controller-pre

switch#
```

When the feature is enabled on the NX-OS switch with the license feature on the ND controller side, the highest between the two licenses is used. This is a sample output that depicts this scenario.

```
switch# show license usage

License Authorization:
Status: Not Applicable

(DCN_PREMIER):
Description: ACI Premier SW license for a 10/25/40G (XF) N9K Leaf
Count: 1
Version: 1.0
Status: IN USE
Enforcement Type: NOT ENFORCED
License Type: Generic

switch# show license usage DCN_PREMIER
Feature List:
bgp
controller-adv
controller-ess
controller-pre

switch#
```



Note If there is no communication between the NX-OS switch and the ND controller for more than 24 hours, then the controller license usage information is deleted from the switch.