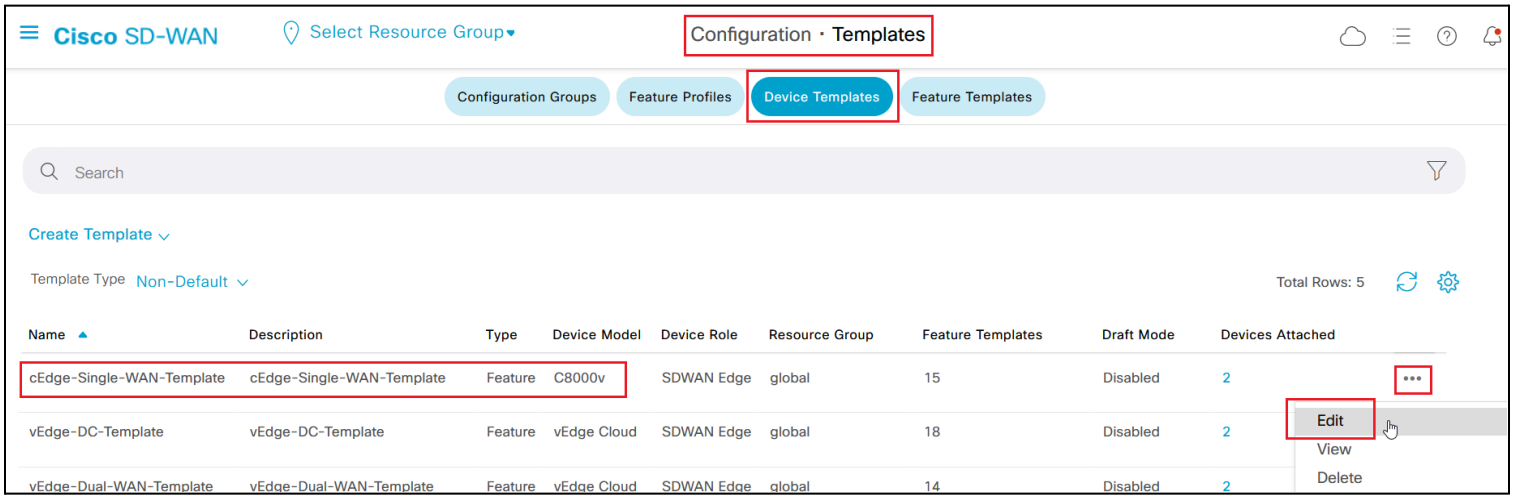
HOW TO ENABLE SERIAL CONSOLE ACCESS ON CATALYST 8000V ROUTERS IN VMANAGE MODE

- In Cisco SD-WAN, Catalyst 8000v Routers do not accept Console connections by default
- This doc outlines the steps to enable Console access on Cat8Kv Routers in vManage Mode

---

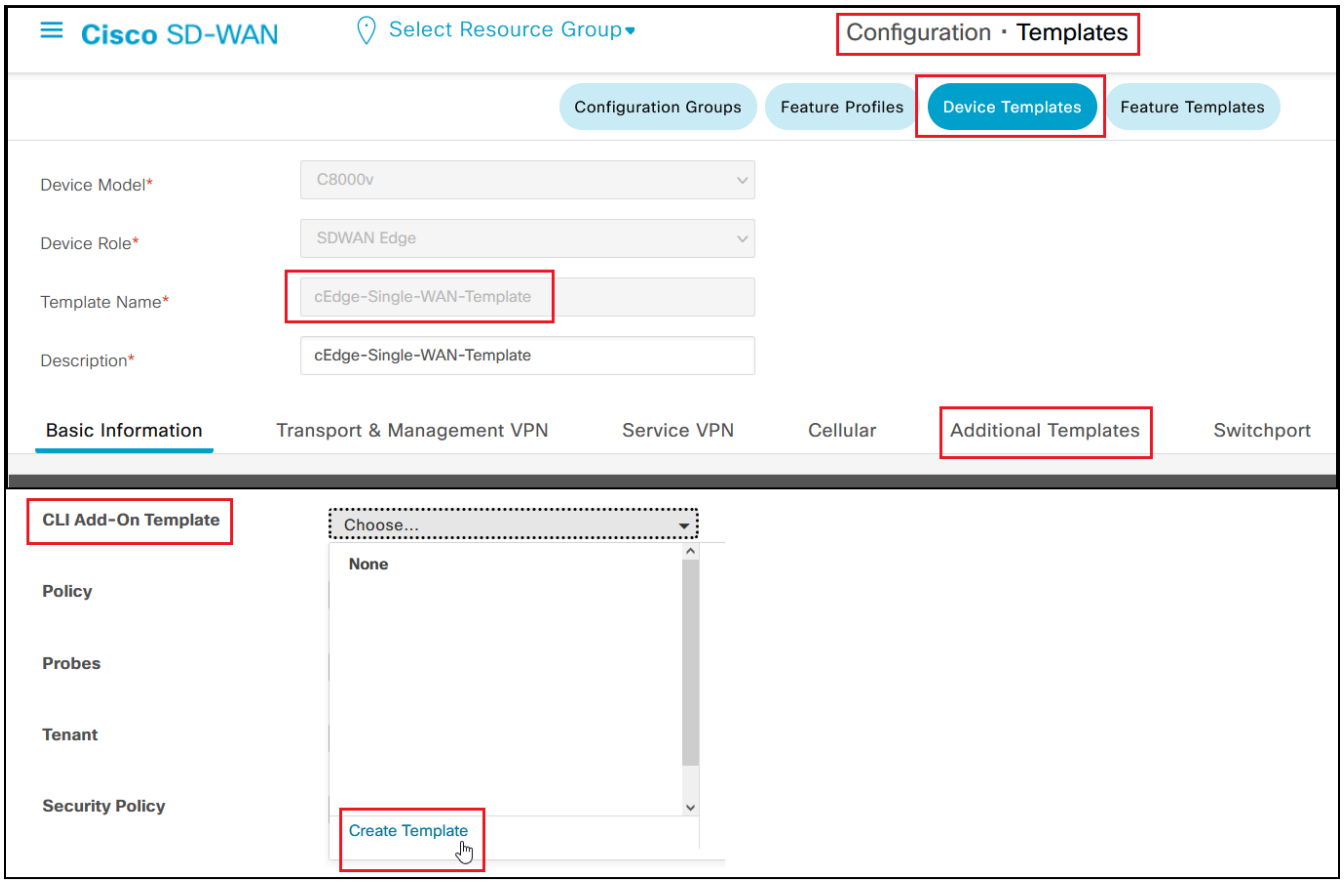
Step 1: Edit the Device Template attached to the cEdge Routers

- From the vManage GUI, go to **Configuration > Templates > Device Templates**
- Edit the Device Template attached to the cEdge Routers (C8000v's)



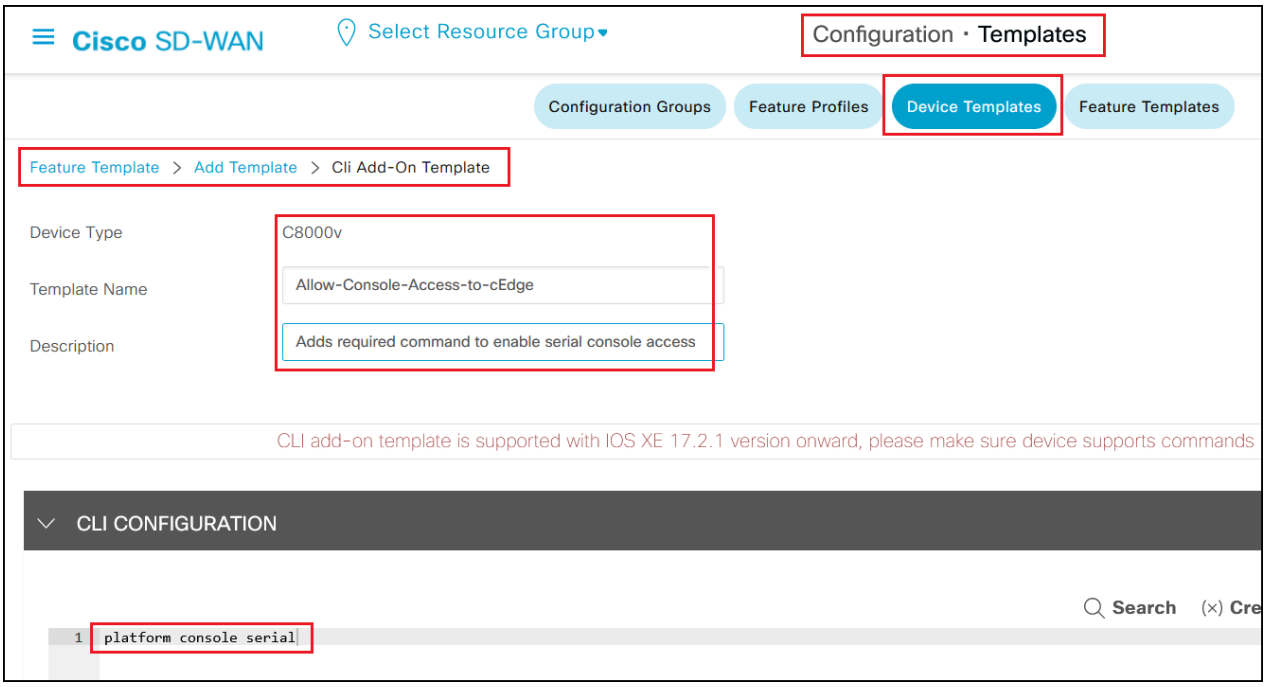
Step 2: Create a CLI Add-On Template

- Click Additional Templates, then under the **CLI Add-On Template,** click the dropdown and **Create Template**



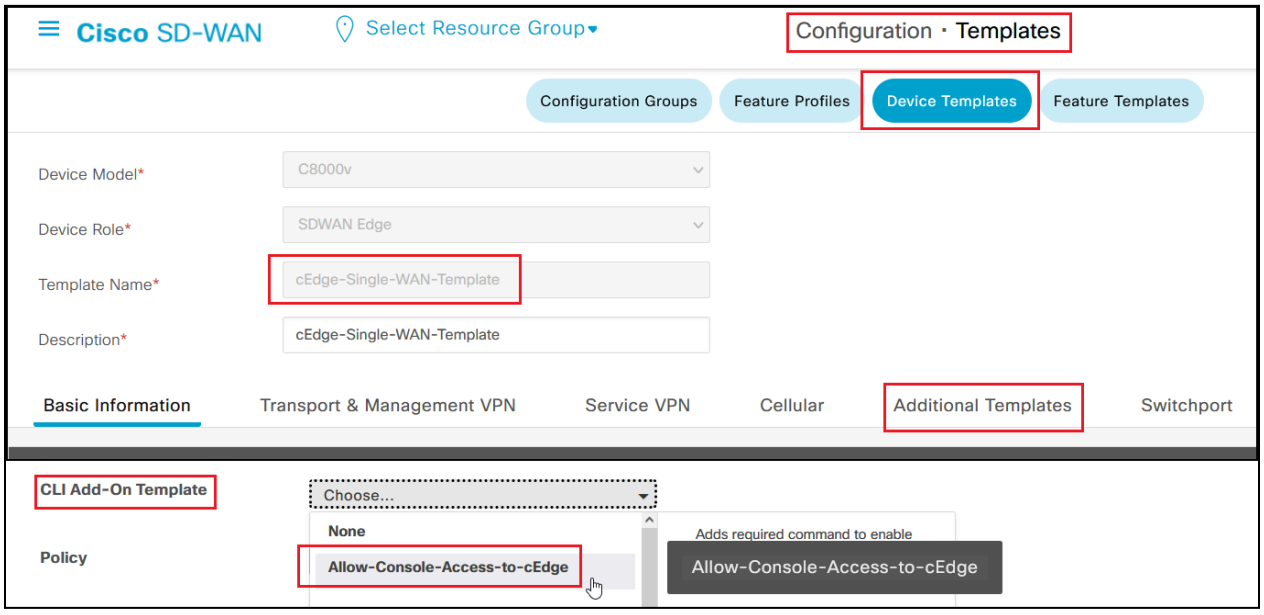
Step 3: Add the "platform console serial" command

- Give the **CLI Add-On Template** a Name and optional Description
- Under **CLI CONFIGURATION** add the command **`platform console serial`** and save



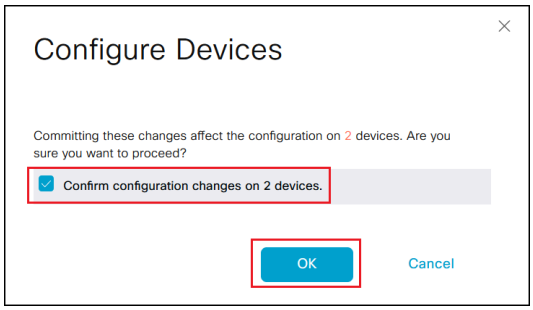
Step 4: Apply the CLI Add-On Template

- Click the dropdown next to CLI Add-On Template and choose the template you created

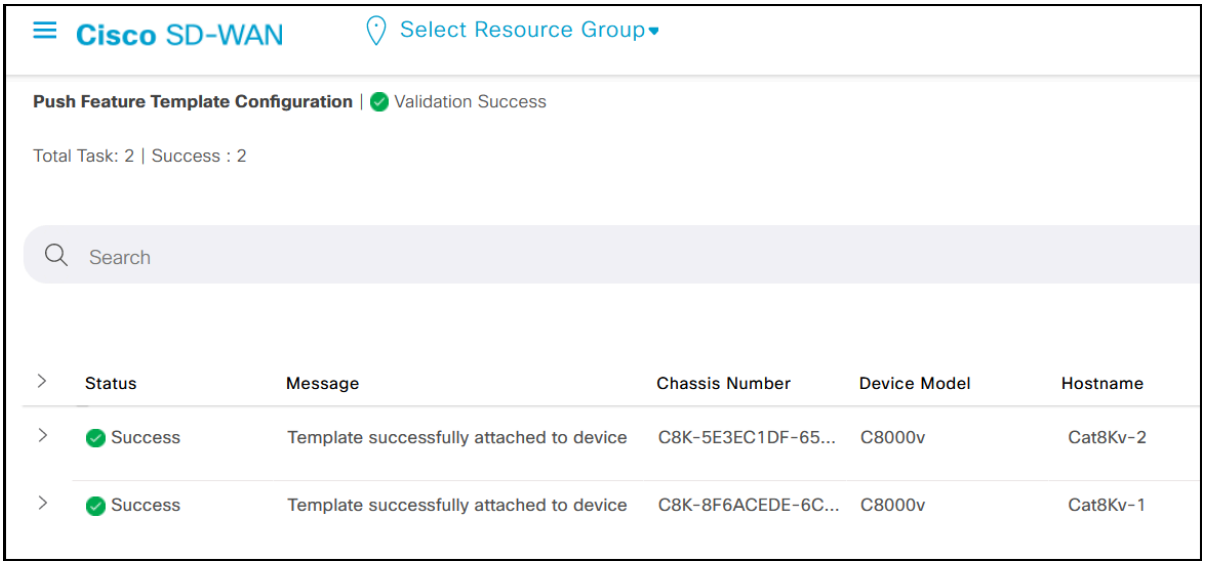


Step 5: Push the configuration changes to the cEdge Routers

- Click through the configuration deployment screens and confirm the changes on the devices

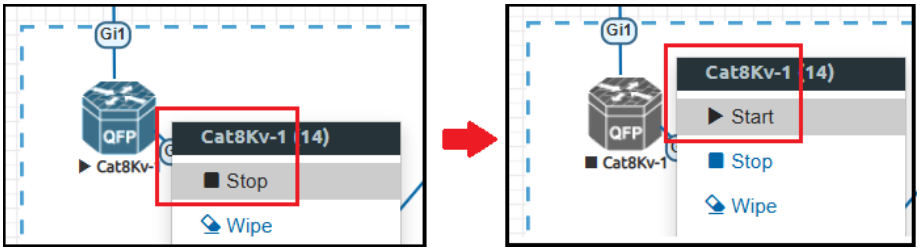


- You should see the **Status** of ***Success*** once complete



Step 6: Reboot the cEdge Routers

- In the virtual topology, right-click the **Cat8Kv-1** and **Cat8Kv-2** routers, **Stop** them - wait a few seconds for the operation to complete - then **Start** them again



Step 7: Log in to the cEdge Routers via the Console

- Double-click the cEdge routers in the virtual topology to open the console window
- Login credentials are listed in the virtual topology

```
Restricted UseUn authorised Logins tracked

User Access Verification

Username: admin
Password: C1sc0123!

Cat8Kv-2>enable
Cat8Kv-2#show ip int brief
Interface              IP-Address      OK? Method Status                Protocol
GigabitEthernet1       150.101.2.1     YES other  up                    up
GigabitEthernet2       unassigned      YES unset  up                    up
GigabitEthernet2.101   192.168.101.102 YES other  up                    up
GigabitEthernet2.169   169.254.111.2   YES other  up                    up
GigabitEthernet3       unassigned      YES unset  up                    up
GigabitEthernet4       unassigned      YES unset  up                    up
Sdwan-system-intf      172.17.102.1    YES unset  up                    up
vmanage_system         unassigned      YES unset  up                    up
Loopback65528          192.168.1.1     YES other  up                    up
Loopback65529          11.1.102.1      YES other  up                    up
NVI0                   unassigned      YES unset  up                    up
Tunnel1                150.101.2.1     YES TFTP   up                    up
```

Note: cEdge Routers in vManage mode do not support configuration changes from the CLI:

```
Cat8Kv-2#config t
This command is not supported in Controller mode.
Please use the equivalent command - config-transaction

Cat8Kv-2#config-transaction

admin connected from 127.0.0.1 using console on Cat8Kv-2
Cat8Kv-2(config)# interface Tunnel1
Cat8Kv-2(config-if)# shut
Cat8Kv-2(config-if)# commit
Aborted: 'system is-vmanaged': This device is being managed by vManage, configuration through
CLI is not allowed.
Cat8Kv-2(config-if)#
```