

# Create a vSmart CLI Template to Push a Centralized Policy

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## Introduction

This document describes an easy way to create a CLI Template for vSmarts as they are needed to push a Centralized Policy for the overlay.

## Prerequisites

## Requirements

Fundamental knowledge of these topics:

- SD-WAN general solution overview
- vManage Templates
- Centralized

## Components Used

The information in this document is based on these software and hardware versions:

- vManage Version 20.6.4
- vBond Version 20.6.4
- vSmart Version 20.6.4

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

## Problem

The error message **Failed to activate policy vSmarts x.x.x.x are not in vManage mode** can be seen after the Activation of the Centralized Policy.

## Activate Policy



Failed to activate policy  
vSmarts [redacted].1 are not in vManage mode

Cancel

## Solution

### Step 1. Confirm the vSmarts are in CLI mode with Stable Control Connections

In this step, you need to validate that the Control Connections between vManage and vSmart are up and stable. This is mandatory to push the template.

Navigate to **vManage > Monitor > Network > vSmart**.

**Note:** From version 20.9 and higher, navigate to **vManage > Monitor > Devices > vSmart**.

Please notice Reachability and Up Since.

The screenshot shows the Cisco vManage interface. At the top, there is a navigation bar with 'Cisco vManage' and 'Select Resource Group'. Below this, there are tabs for 'WAN - Edge' and 'Colocation Clusters'. The main content area has filters for 'VPN GROUP' (No VPN Group Available) and 'VPN SEGMENT' (All segments). A search bar is present. Below the search bar, there is a table with columns: Hostname, System IP, Device Model, Chassis Number/ID, State, Reachability, Site ID, BFD, Control, and Version. The table contains three rows of data:

Hostname	System IP	Device Model	Chassis Number/ID	State	Reachability	Site ID	BFD	Control	Version
vmanage_20_6_4	[redacted].1	vManage	f1310071-c808-47aa-bd18-22...	✓	reachable	10	--	6	20.6.4
vsmart1_20_6_4	[redacted].1	vSmart	13fafb25-b8c1-4083-835d-27...	✓	reachable	10	--	6	20.6.4
vbond_20_6_4	[redacted].1	vEdge Cloud (vB...	5b063548-f955-425d-b94e-fc...	✓	reachable	10	--	--	20.6.4

### Step 2. Create the CLI Template

In this step, you need to load the running-configuration from the vSmart to the CLI Template. The vManage has an option to automatically load the configuration into the template.

Navigate to **vManage > Configuration > Templates > Create Template > CLI Template**.

Device Feature

Device Model

Template Name

Description

CLI Configuration

Config Preview

Load Running config from reachable device:

Fill in all the necessary template parameters as the Template Name and Description.

Device Feature

Device Model

Template Name

Description

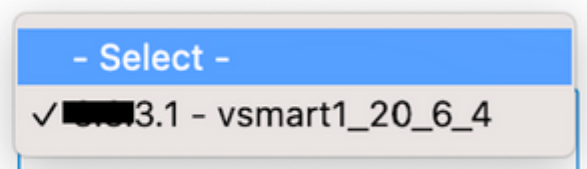
CLI Configuration

Config Preview

Load Running config from reachable device:  [Search](#)

Click **Next** to Load Running config from reachable device to select the configuration of the desired device.

Load Running config from reachable device:



The vManage automatically loads the running-configuration from the device to the CLI Template.

Device

Feature

Device Model: vSmart

Template Name: vSmart\_East

Description: Template for vSmart East

CLI Configuration

Load Running config from reachable device: 3.1 - vsmart1\_20\_6\_4 Search

Config Preview

```
1 system
2 host-name vsmart1_20_6_4
3 system-ip 3.1
4 site-id 10
5 admin-tech-on-failure
6 no vrrp-advt-with-phyloc
7 organization-name CISCORTPLAB
8 clock timezone America/Detroit
9 vbond 192.168.18.189
10 aaa
11 auth-order local radius tacacs
12 usergroup basic
13 task system read
14 task interface read
15 !
16 usergroup netadmin
17 !
18 usergroup operator
19 task system read
20 task interface read
21 task policy read
22 task routing read
23 task security read
24 !
25 usergroup tenantadmin
26 !
27 user admin
28 password $6$75F48285de4oda30$b/9R340279MjxutEyiHgKUU/CiA7wAH4dPN3R5y90eYMRX1E.F422QsJdLKZYKntaVklFmySSPbpQz.9BkNn/
29 !
30 ciscotacro-user true
31 ciscotacrw-user true
32
```

Add

Cancel

Click **Add** to create the template.

### Step 3. Push the New CLI Template to the vSmart

In this step, you need to push the template you just created to the correct vSmart.

Navigate to **vManage > Configuration > Templates > Template you just created > ... > Attach Devices.**

Device Feature

Search

Create Template

Template Type Non-Default

Name	Description	Type	Device Model	Device Role	Resource Group	Feature Templates	Draft Mode	Devices Attached	Up
cedge1_base_config	cedge1_base_config	CLI	C8000v		global	0	Disabled	0	ad
cedge2_base_config	cedge2_base_config	CLI	C8000v		global	0	Disabled	0	ad
cedge3_base_config	cedge3_base_config	CLI	C8000v		global	0	Disabled	0	ad
vSmart_FW	vSmart_FW	CLI	vSmart		global	0	Disabled	1	ad
cedge2_template	cedge2_template	CLI	C8000v		global	0	Disabled	0	ad
<b>vSmart_East</b>	<b>Template for vSmart East</b>	<b>CLI</b>	<b>vSmart</b>		<b>global</b>	<b>0</b>	<b>Disabled</b>	<b>0</b>	<b>ad</b>
test_cedge	test cedge	Feature	C1101-4P	SDWAN Edge	global	10	Disabled	0	ad

## Attach Devices

Attach device from the list below

Available Devices  Select All

All Search

Name	Device IP
vsmart1_20_6_4	10.10.10.1



Selected Devices

All Search

Name

Choose the device you need to push the template to, and take it to the right. Then, click **Attach**.

# Attach Devices

Attach device from the list below

Available Devices

All

Name	Device IP
------	-----------



Selected Devices

All

Name
vsmart1_20_6_4

On your left, click **vSmart Serial Number** to review the configuration.

Device Template: vSmart\_East

Total: 1

Device list (Total: 1 devices)

Filter/Search

13fab25-b8c1-4083-835d-27ac3a9b694c

vsmart1\_20\_6\_4 3.1

[Configure Device Rollback Timer](#)

Config Preview

```

system
host-name          vsmart1_20_6_4
system-ip          3.1
site-id            10
admin-tech-on-failure
no vrrp-advt-with-phymac
sp-organization-name CISCORTPLAB
organization-name  CISCORTPLAB
clock timezone America/Detroit
vbond 192.168.18.189 port 12346
aaa
auth-order         local radius tacacs
usergroup basic
  task system read
  task interface read
!
usergroup netadmin
!
usergroup operator
  task system read
  task interface read
  task policy read
  task routing read
  task security read
!
usergroup tenantadmin
!
user admin
  password $6$75f48285de4ada30$b/9R340279MjxutEyihgKUU/CiA7wAH4dPN3R5y90eYMIrXlE.F422QsJdLKZYKntaVklfmyS5PbpQz.9BkNn/
!
ciscotacro-user true
ciscotacrw-user true
!
logging
disk
enable
!
                    
```

[Configure Devices](#)
[Cancel](#)

Finally, Click **Configure Devices** to push the template.

To confirm the template has been pushed, navigate to **vManage > Configuration > Devices > Controllers > vSmart**.

Cisco vManage Select Resource Group

Configuration · Devices

[WAN Edge List](#)
[Controllers](#)

Search

[Add Controller](#) [Change Mode](#)

Controller Type	Hostname	System-ip	Site ID	Mode	Assigned Template	Draft Mode	Device Status	Certificate Sta...	Policy
vManage	vmanage_20_6_4	1.1	10	CLI	--	Disabled	In Sync	Installed	--
<b>vSmart</b>	<b>vsmart1_20_6_4</b>	<b>3.1</b>	<b>10</b>	<b>vManage</b>	<b>vSmart_East</b>	<b>Disabled</b>	<b>In Sync</b>	<b>Installed</b>	<b>--</b>
vBond	vbond_20_6_4	2.1	10	CLI	--	Disabled	In Sync	Installed	--

At this point, you can activate the Centralized Policy that was configured.

## **Related Information**

[Cisco SD-WAN Getting Started Guide](#)

[Cisco SD-WAN Policies Configuration Guide, Cisco IOS XE Release 17.x](#)