

## **PNP SDWAN Overlay Migration Guide**

**PNP SDWAN Overlay Smart Account Migration** 

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### Introduction/Purpose

This document is to clarify the process for a customer looking to move Edge routers from one Cisco PNP Smart Account to another. In any non-SDWAN case this would be trivial. However, with the added dependency of the "controller profile" within Cisco Software Central's Plug and Play Connect, extra steps must be taken.

#### **Overall Process**

- Access the PnP page on software.cisco.com
- Disassociate the current serial numbers associated with the controller profile
- Transfer the serial numbers from the old Smart Account to the new Smart Account
- Move the Controller Profile from smart account to the other by deleting it from the old Smart Account and recreating it in the new Smart Account
- Re-associate the serial numbers in the new Smart Account with the newly placed Controller Profile

Each Step is detailed with screenshots below. This workflow process has no impact to the overlay. It is recommended that a full backup of the controller environment is taken prior to performing this migration procedure – inclusive of VM snapshots, configuration-db backups and running-config backups on vManage.

### Step 1. Access the Plug and Play Connect page on Cisco.com

Login to the current Smart Account/Virtual Account at software.cisco.com. Once logged in, navigate to the Plug and Play Connect page by selecting the menu button in the top right corner and selecting Cisco Software Central  $\rightarrow$  Provisioning  $\rightarrow$  Plug and Play Connect:



Figure 1 - Software Central Menu Button



Figure 2 - Software Central PnP Connect Menu Navigation Example

From the Plug and Play Connect page verify that you're in the right Smart Account / Virtual Account. For the purposes of this test, we will be migrating from the following:

	Source (Legacy)			
Smart Account	Cisco SVS temp-request access licensing@cisco.com			
Virtual Account	FP.TAC			
Table 1 – Source Smart Account / Virtu	al Account Details			
Cisco Software Central	cisco	Q	DB	⊕ <sup>US</sup> EN
Cisco Software Central > Plug and Play Conn Plug and Play Connect Devices   Controller Profiles   Network	et EPTAG	C V		
+ Add Devices + Add Software Serial Number Base P	Devices     ✓ Edit Selected     Enable External Management     Transfer selected     ①       D     Product Group     Controller     Last Modified     Status     Actions       ×     Any     ✓     Im Select Range     Any     ✓     Clear Filters			

Figure 3 – SVS Lab Source SA/VA Example

#### And migrating to the following:

Destination (Target)					
Smart Account	InternalTestDemoAccount42.cisco.com				
Virtual Account	SDWAN-SA-Migration_Testing				

Table 2 – Destination Smart Account / Virtual Account Details

Ξ	Cisco S	oftware Centra	al		cisco				Q	(DB)	₩US EN
		Cisco Software Central > Plug and Play	Plug and Play Connect y Connect			internalTestDe	moAccount42.cisco.com	✓ SDWAN-SA-Migration_Testing ▼ Peedback Support Help	>		
		Devices Controller Pro	ofiles   Network   Certificates	Manage External Virtua	I Account   Event Log	Transactions					_
		+ Add Devices	+ Add Software Devices	/ Edit Selected	Delete Selected	Enable External Manageme	nt Transfer sel	octed			
		Serial Number	Base PID	Product Group	Controller	Last Modified	Status	Actions			_
			×	× Any	▼ Any	▼ Belect Range	▼ Any	✓ Clear Filters			
					No Devices to disp	lay.					

Figure 4 – SVS Lab Destination SA/VA Example

## Step 2. Disassociate all device serials from the current controller profile in the Legacy Smart Account / Virtual Account

Note: This <u>will not</u> affect your production overlay, unless you do Sync Smart Account on the vManage right away after this step. First, select the devices that are currently associated with your SDWAN controller profile.

Prior to disassociation, it's wise to grab a baseline to see just how many devices are associated with the profile. By having this information, you can confirm you see the same number of associations post migration to ensure nothing was missed. To get this number, look at the "Used By" column within the current controller profile:

Plug and Play Connect					Feedba	ack Support Help
Devices Controller Profiles Network	Certificates Manage External Virtu	al Account   Event Log	Transactions			
+ Add Profile / Edit Selected	Delete Selected	ake Default	w Log C	_		
Profile Name	Controller Type	Default	Description		Used By	Download
	× Any	-				
V-BOND-SVS-LAB	VBOND	~	V-BOND for SVS-Lab		39	Provisioning File
						Showing 1 Record

*Figure 5 – Controller Profile Association Number Baseline* 

Select your devices to disassociate with the current controller profile. In your selection, you must group devices by their "Status". If you try to select all at once and there is a mix of Status among the selection {example – some "Pending (Redirection)" and others "Provisioned"} then you will get an error:



Figure 6 – Example Error If You Select A Mixed Capability Set For Disassociation

Once you've selected your devices, in the edit workflow choose "Controller Profile" in the device property pulldown:

#### Edit Devices

Select the property of the device, provide the value and apply to all selected devices. Once done submit the changes.

Select De	vice Property	Provide a value	Divide a value     Apply     Reset	
Descrip	Description <ul> <li>Enter short optional description for this optional description</li> <li>Enter short optional description for this optional description</li> <li>Enter short optional description for this optional description</li> <li>Enter short optional description</li> <li>Enter short optional description</li> <li>Enter short optional description</li> <li>Enter short optional description</li></ul>	Enter short optional description for this device.	Apply	Reset
Descrip	lion			
Controll	er Profile			
Selected I	Devices			
Product Group	Router			
Figure 7 – Nav	vigation to the Controller Profile	e / Edit Properties Selection		

Leave the Provide a value pulldown set to "Choose Controller Profile" and click the green Apply button. In doing so, you will see the New controller set to – for all devices. Once that is the case, click the blue Submit button on the bottom right:

#### Edit Devices

Select Device Property		Provide a value			
Controller Profile	•	Choose Controller Profile	Apply	Rejet	
elected Devices oduct Group : Router			$\frown$		
Serial Number	Base PID	Certificate Serial Numb	er Controller	Description	Actions
	ASR1002-X	9E303C16	<u>New:</u> <u>Current</u> : V-BOND-SVS-LAB		/ 前
	ASR1002-X	35F9BD35	<u>New:</u> <u>Current</u> : V-BOND-SVS-LAB	-	/ 💼
	ASR1002-X	01	<u>New:</u> <u>Current</u> : V-BOND-SVS-LAB		/ 💼
	ISR4431/K9	DA7F7E	<u>New:</u> <u>Current</u> : V-BOND-SVS-LAB	-	/ 🛍
	ASR1002-X		<u>New:</u> <u>Current</u> : V-BOND-SVS-LAB		/ 🛍
puble click to edit certificate serial numb	ber		$\checkmark$		Showing All 14 Re

Figure 8 – Disassociation From Controller Profile Example

Give the portal some time to make the changes and refresh the device table. You should no longer see anything listed under the Controller column and the Status column should now show as "Unconfigured" for all devices:

cisco S Pluç	oftware Central > g and Play	Plug and Pla / Conn	ay Connect IECt			🛍 Cis	co SVS temp-request access l	icensing@ ▼ FP.TAC ▼ Feedback Support Help
Device	s Controller Pro	files   Net	work Certificates M	Manage External Virtual A	ccount   Event Log	Transactions		
+	Add Devices	+ Add S	oftware Devices	Edit Selected	Delete Selected	Enable External Management.	Transfer selected	C
	Serial Number		Base PID	Product Group	Controller	Last Modified	Status	Actions
		×		× Any •	Any	▼ Belect Range ▼	Any 🔻	Clear Filters
			ASR1002-X	Router	-	2021-May-20, 18:22:52	Unconfigured	Show Log 🗸
			ISR4351/K9	Router	-	2021-May-20, 18:22:52	Unconfigured	Show Log 🔻
			ISR4331/K9	Router	-	2021-May-20, 18:22:52	Unconfigured	Show Log 🔻
			ASR1002-X	Router	-	2021-May-20, 18:22:52	Unconfigured	Show Log 🔻
			ISR4331/K9	Router	-	2021-May-20, 18:22:52	Unconfigured	Show Log 🔻
			ASR1002-HX	Router	-	2021-May-20, 18:22:52	Unconfigured	Show Log 🔻
			ISR4431/K9	Router	-	2021-May-20, 18:22:52	Unconfigured	Show Log 🔻

Figure 9 – Disassociation Confirmation Example

# Step 3. Transfer all the devices to the new Smart Account / Virtual Account

	Software Central > Plug an	nd Play Connect					🗊 Cis	co SVS temp-request acce	ss licensing@ ▼ FP.TAC ▼
Device	es Controller Profiles	Network Certificates	Mana	age External Virtual	Account   Event Log	Trans	actions		
<b>—</b>					<b></b>				
+	Add Devices + An	dd Software Devices Base PID	/ 6	Product Group	Controller	En	Last Modified	Status	Actions
_		×	×	Any	Any	•	🛗 Select Range <	Any	Clear Filters
		VEDGE-CLOUD-DNA	N.	Router			2021-May-20, 18:25:27	Unconfigured	Show Log 🔻
		VEDGE-CLOUD-DNA	A.	Router	-		2021-May-20, 18:25:27	Unconfigured	Show Log 🗸
		VEDGE-CLOUD-DN4	λ.	Router	-		2021-May-20, 18:25:27	Unconfigured	Show Log 🗸
		VEDGE-CLOUD-DNA	λ.	Router	-		2021-May-20, 18:25:27	Unconfigured	Show Log 🔻
		VEDGE-CLOUD-DNA	λ.	Router	-		2021-May-20, 18:25:27	Unconfigured	Show Log 🔻
		. VEDGE-CLOUD-DNA		Router	-		2021-May-20, 18:25:27	Unconfigured	Show Log 🔻
		VEDGE-CLOUD-DNA		Router			2021-May-20, 18:25:27	Unconfigured	Show Log 🔻

Figure 10 – Serial Transfer Workflow Example

Virtual Account	SDWAN-SA-Migration_Testing V		
Serial Number	Base PID	Description	Actions
E	VEDGE-CLOUD-DNA		â
A	VEDGE-CLOUD-DNA	-	â
8	VEDGE-CLOUD-DNA	-	â
5	VEDGE-CLOUD-DNA	-	â
1	VEDGE-CLOUD-DNA	-	â
1	VEDGE-CLOUD-DNA	-	â
F	VEDGE-CLOUD-DNA	-	â
F	VEDGE-CLOUD-DNA	-	â
F	VEDGE-CLOUD-DNA	-	â
D	VEDGE-CLOUD-DNA	-	â

Figure 11 – Serial Transfer Workflow Confirmation

# Step 4. Grab all the data from the current Controller Profile and delete it from the old Smart Account

Go to your controller profile tab and select your profile and choose the "Edit Selected" button to display your current profile settings. Grab a screenshot of this and be sure to copy the Server Root CA over into a text file and save it for later use.

Edit Controller Profile				×
STEP <b>1</b> Profile Settings	STEP 2 Review	STEP <b>3</b> Confirmation		
Profile Settings:				
* Profile Name:	V-BOND-SVS-LAB			]
Description:	V-BOND for SVS-Lab	Note the se	ttings here for the	controller profile
Default Profile:	Yes 🔻	<u>before</u> rem	oving it. Be sure to	o copy this data
Deployment Type:	Customer Hosted	(especially t	he Server Root CA	data) so you have it for
Multi-Tenancy	No 🔻	recreation s	teps later	
* Organization Name:	BBT-SVS		-	]
* Primary Controller:				
Host Name 🗸	DTLS://  vbond.bbtnet.com		12346	]
Server Root CA:	BEGIN CERTIFICATE MIIF7DCCBNSgAwIBAgIQbsx6pacDIAm4	zrz06VLUkTANBgkahkiG9w0BA	QU Browse	
				Cancel

Figure 12 – IMPORTANT!!!! – Pre-deletion Controller Profile Information Gathering / Backup

Click cancel to exit out of the popup. Highlight the controller profile, and click the "Delete Selected" Button. Click Yes on the popup to confirm that you want to delete the controller profile.

Cisc	o Software Central	Are you sure you profile?	want to delete the selected controller	1	Q	DB
	Cisco Software Central > Plug and Play Connect Plug and Play Connect		Yes No	moAccount42.cisco.com 👻	SDWAN-SA-Migration_Testing ▼ Feedback Support Help	
	Devices Controller Profiles Network Controller Profiles.	erlificates Manage External Virtual Accoun	it			
	Profile Name	Controller Type	Default Description		Used By Download	
	×	Any				
(	V-B ND-SVS-LAB	VBOND	✓ V-BOND for SVS-Lab		39 Provisioning File	
					Showing 1 Record	

*Figure 13 – Deletion of Controller Profile Example* 

Step 5. Navigate to your new Smart Account / Virtual Account and Recreate the Controller Profile in the new Smart Account

In the upper right corner of the page, select the Smart account pulldown and click the new Smart Account where you placed the serial numbers when you completed transferring them in step 3 above.

Cisco So	oftware Ce	entral		cisco	•		Q (DE	) (
	Software Central > g and Play s   Controller Pro	Plug and Play Connect y Connect pfiles   Network   Certificates	Manage External Virtual A	ccount   Event Log	Transactions	Cisco SVS temp-reque Cisco SVS temp-req InternalTestDemoAcc InternalTestDemoAcc	<u>est access licensing</u> ▼ FP17. ▼ <b>quest access licensin</b> Support Help ocunt23.cisco.com	
+	Add Devices	+ Add Software Devices	Edit Selected      Resturt Group	Delete Selected	Enable External Man	Display All in List Vier	w	
		X	× Any •	Any	East Modified	Any	Clear Filters	
				No Devices to dis	play.		No Records to Display	

Figure 14 – SA/VA Navigation Pulldown

From within the new Smart Account, navigate to the Controller Profiles Tab and click the "Add Profile" Button.

Cisco Software Central > Plug and Play Connect				Cisco SVS temp	o-request access licen	sing@	▼ FP.TAC ▼
Plug and Play Connect						Feedback	k Support Help
Devices Controller Profiles Hetwork Ce	ertificates Annage External Virtual Account	Event Log	Transactions				
+ Add Profile / Edit Selected	Delete Selected	t 🗈 Show	Log C				
Profile Name	Controller Type	Default	Description		Used B	у	Download
×	Any						
	N	lo items found.					
						No	Records to Display

Figure 15 – Creation of New Controller Profile Example

In the resultant pop-up, for Step 1 (Profile Type), select VBOND from the pulldown and click next.

00	Add Controller Profile		×	.2
l	STEP	Conditional Steps		
l	Choose the type of Profile to be created	ated:		
	* Controller Type:	PNP SERVER		
	<	VBOND	Carcel Next	>
			No items found.	

Figure 16 – VBOND Controller Type

For Step 2 (Profile Settings), place back the information you noted above in *Figure 12* above. Click next and review your input settings to ensure they are correct. When ready, click submit.

Add Controller Profile					×
STEP 1 V	STEP 2 Profile Settings	STEP 3 Review	STEP <b>4</b> Confirmation		
SAN in the server certi	ficate should match either the IP or hos	tname specified in the controller profi	le, SSL connectivity will fail otherw	ise if there is mismatch	in the 'server Root CA'
Profile Settings:					
* Profile Name:	V-BOND-SVS-LAB				
Description:	V-BOND-SVS-LAB				
Default Profile:	Yes 🗸				
Deployment Type:	Customer Hosted 🗸				
Multi-Tenancy	No 🗸				
* Organization Name:	BBT-SVS				
* Primary Controller:					
Host Name 🗸	DTLS:// vbond.bbtnet.com		12346		
Server Root CA:	BEGIN CERTIFICATE MUE7DCCBNSgAwIBAgIQbsx6pacD	IAm4zrz06YLUkTANBgkqbkiG9w0BA	Browse		
					Cancel Back Next

Figure 17 – Recreation of Controller Profile

## Step 6. Re-associate the serial numbers in the new Smart Account with the newly placed Controller Profile

Now that you have the serial numbers and controller profile created within the new Smart Account, re-attach the profile to the serials. Go to the Devices tab, select all and click the "Edit Devices" button.

Cisco 8 Plu	Software Central > Plu g and Play (	ig and Play Connect			InternalTestDemoAc	count42.cisco.com 💌	SDWAN-SA-Migration_Testing Feedback Support He
Device	es Controller Profile	s Network Certificates	Manage External Virtual /	Account   Event Log   T	ransactions		
+	Add Devices	+ Add Software Devices	/ Edit Selected	Delete Selected	Enable External Management	Transfer selected.	· C
	erial Number	Base PID	Product Group	Controller	Last Modified	Status	Actions
_		×	× Any •	Any	▼ Select Range ▼	Any	Clear Filters
		ASR1002-HX	Router	V-BOND-SVS-LAB	2021-May-21, 01:45:07	Pending (Redirection	n) Show Log 🔻
		ASR1002-X	Router	V-BOND-SVS-LAB	2021-May-21, 01:45:07	Pending (Redirection	Show Log 🔻
		ASR1002-HX	Router	V-BOND-SVS-LAB	2021-May-21, 01:45:07	Pending (Redirection	n) Show Log 🔻
		ISR4431/K9	Router	V-BOND-SVS-LAB	2021-May-21, 01:45:07	Pending (Redirection	n) Show Log 🔻
172		ISR4351/K9	Router	V-BOND-SVS-LAB	2021-Mav-21 01:45:07	Pendino (Redirectio	Show Lon.

Figure 18 – Bulk Device Edit Example

Select Controller Profile in the Property pulldown and choose your new controller profile. Click Apply.



Figure 19 – Associating the Devices with the Controller Profile

Note that you may see a padlock icon next to the newly created controller profile stating that the profile is Locked and cannot be accessed at this time. This is normal. Essentially this is there to let you know that the system is processing the profile programming internally and won't let you change it until internal systems are fully synchronized.

Cisco Software Central > Plug	g and Play Connect
Plug and Play C	Connect
Devices Controller Profile	S Network Certificates Manage External Virtual Account
+ Add Profile	Edit Selected 🕅 💼 Delete Selected 🗸 Make Default.
Profile Name	Controller Type
Controller Profile is Locked and cannot be accessed at this time.	× Any •
V-BOND-SVS-LAB	VBOND

*Figure 20 – Lock Icon Example (to be expected at profile creation)* 

That's it! You've completed the migration! You should now confirm that you see the device serial numbers all showing the Controller Profile in the Controller Column.

 Cisco Software Co	entral		cisco			Q	(DB)
Cisco Software Central > Plug and Pla	Plug and Play Connect Y Connect			internalTestDemoAd	ccount42.cisco.com 👻 Si	DWAN-SA-Migration_Testing 💌 Feedback Support Help	
Devices Controller P	rofiles Network Certificates	Manage External Virtual	Account   Event Log	Transactions	Transformed	<b>a</b>	
Add Devices     Serial Number	Base PID	Product Group	Controller	Last Modified	Status	Actions	
	×	× Any	✓ Any	▼ 🗎 Select Range 🔹	Any	Clear Filters	
	ASR1002-HX	Router	V-BOND-SVS-LAB	2021-May-21, 01:45:07	Pending (Redirection)	Show Log 🗸	
	ASR1002-X	Router	V-BOND-SVS-LAB	2021-May-21, 01:45:07	Pending (Redirection)	Show Log 🗸	
	ASR1002-HX	Router	V-BOND-SVS-LAB	2021-May-21, 01:45:07	Pending (Redirection)	Show Log 🗸	
	ISR4431/K9	Router	V-BOND-SVS-LAB	2021-May-21, 01:45:07	Pending (Redirection)	Show Log 🔻	
	ISR4351/K9	Router	V-BOND-SVS-LAB	2021-May-21, 01:45:07	Pending (Redirection)	Show Log 🔻	
	ISR4331/K9	Router	V-BOND-SVS-LAB	2021-May-21, 01:45:07	Pending (Redirection)	Show Log 🔻	
	ASR1002-X	Router	V-BOND-SVS-LAB	2021-May-21, 01:45:07	Pending (Redirection)	Show Log 🔻	

Figure 21 – Completion Check #1

One additional confirmation is to look at the Controller Profile page and ensure the "Used By" Column matches the number you captured in your Baseline collection back in Figure 5.

Cisco Software Central > Plug and Play Connect	InternalTestDemoAd	count42.cisco.com	<ul> <li>SDWAN-SA-M</li> </ul>	Migration_Testing 🔻	
Plug and Play Connect			Feedb	oack Support Help	
Devices   Controller Profiles   Network   Certificates   Manage External Virtual Account	it   Event Log	Transactions			
+ Add Profile / Edit Selected    Compared to the selected   Compared to the selected  Compa	ult 🗈 Si	how Log			
Profile Name     Controller Type	Default	Description		Used By	Download
Any	·				
V-BOND-SVS-LAB VBOND	~	V-BOND for SVS-Lab		39	Provisioning File
					Showing 1 Record

Figure 22 – Completion Check #2

## Step 7. Test newly placed Controller Profile by adding a new serial number to the list, and performing a provisioning file upload to vManage

Now that the migration is complete and all looks well in Software Central, add a new cEdge device serial list to the SA/VA and associate it with the controller profile. Since the Sync Smart Account feature is not synchronous, this change will not be automatically pushed to the vManage.

You can trigger the Sync Smart Account from the vManage or you can go the manual route by going to the Controller Profile tab and click to download the Provisioning file (ensuring you select 18.3 and newer for Controller Versions):

Plug and Play Connect				Feed	back Support Help
Devices Controller Profiles Network	Certificates Manage External Virtu	al Account   Event Log   Transactions			
+ Add Profile Edit Selected.	Delete Selected V M	ake Default	C		
Profile Name	Controller Type	Default Description	1	Used By	Download
	× Any	•			$\sim$
V-BOND-SVS-LAB	VBOND	✓ V-BOND fo	vr SVS-Lab	39	Provisioning File
					Showing 1 Record

Figure 23 – Download Link for Provisioning File

	Download Provisioning File ×	
c	* Controller Versions 18.3 and newer	
	Download	>

Figure 24 – Provisioning File Version Selection

The file will be placed in your downloads folder as "serialFile.viptela". If there are already older versions present in the directory it will append a file number – this is normal. (i.e. – "serialFile (4).viptela").

Open a browser and access the vManage GUI. Take note of the number of WAN Edge devices in the device list:

≡	Used:     Cisco vManage					0	admin 👻				
55	CONFIGURATION   DEVICES										
ם	WAN Edge List Controllers										
٠	Configuration Upload WAN Edge List 🖉 Export Bootstrap Configuration 🖉 Sync Smart Account							Ø	00		
عر	Devices	Search Options 🗸						Tot	al Rows: 39		
		Chassis Number									
<b>*</b>	TLS/SSL Proxy	17faa1b8-3071-2116-1348-ebdc7bfb33fa	Token - 2731e0a60fcf4	NA	NA	NA		-			
	Certificates	07923150-34ba-1c50-306a-da5d5c969	Token - f52950c4bfabff	NA	NA	NA					
		20234bf5-0204-f659-8add-e1b388dfb09e	Token - 4eedbd601404	NA	NA	NA					
Figure 25 Note Total Power											

Figure 25 – Note Total Rows

Click the "Upload WAN Edge List" button on this page and select the serial file you downloaded. Check the box to "Validate the uploaded vEdge List and send to controllers". Checking this box ensures that not only vManage gets the new device added, but that it also synchronizes the certificate whitelist to the other controllers (vBonds / vSmarts) so that the new device can onboard to the overlay successfully.

≡		isco vManage						
	CONF	IGURATION   DEVIC	CES					
	WAN Edg	e List Controlle	ers					
-	[]] Char	nge Mot e 🔹 主 I	Upload WAN Edge List 🛛 xport E	ootstrap Configuration	☑ Sync Smart Account			
** a	٩		Search Opti	ons 🗸				
	State							
÷	۲	vEdge Cloud	17faa1b8-3071-2116-1348-ebdc7b	1226 Teken 2723-0660fe	(A		NA	
	٢	vEdge Cloud	07923150-34ba-1c50-306a-da5d5	Upload WAN Edge List		×	NA	
	3	vEdge Cloud	20234bf5-0204-f659-8add-e1b388	WAN 5 1 - 11			NA	
613	3	vEdge Cloud	b10c51f5-0338-3fab-154b-15d71:	WAN Edge Line	serialFile (16).viptela		NA	
	3	vEdge Cloud	1ebc1181-8055-422f-e51a-9faf58	Upload a signed file (.viptela	a file) from Cisco Plug and Play		NA	
	3	vEdge Cloud	929db8bf-9658-8278-287c-917f0	Or an un-signed file (.csv file), prepared from the Sample CSV			NA	
	3	vEdge Cloud	f0f4c24a-b22d-b340-6d64-deebc	Validate the uploaded vi	Edge List and send to controllers		NA	
	(š)	vEdge Cloud	d6687da3-3444-775d-4b8e-60642				NA	
	(3)	vEdge Cloud	5d85cf95-127c-56ac-ce0b-7479a				NA	
	(3)	vEdge Cloud	4350deb9-d4be-c908-8cac-af68fb		C C	Upload Cancel	NA	
	(8)	vEdge Cloud	40359b58-7cfa-b793-8037-b37a7a1	328 Token - d62c7dcc111	1 NA	NA	NA	

Figure 26 – Upload New Provisioning File

#### Click OK to confirm you want to take this action:



Figure 27 – Confirm Upload

The resultant popup will show quickly if there has been any change that is going to be pushed. In my example, we added one (1) new cEdge. Click OK to add the device to vManage and push the serial number / certificates for it to the controllers:



Figure 28 – Clicking OK takes you to the Task Status view

Ensure the Task completed successfully for all controllers:

- ali Ci	sco.	Cisco vManage					•	8	<mark>ම                                    </mark>	ı admin
Ê	TAS	SK VIEW								
P	ush vē	Edge List						Initiated By:	admin Fro	m: 172.31.251.1
Т	otal Ta	ask: 13   Success : 13								
										0
F	Q		Search Options 🗸							Total Rows: 1
	>	Status	Message	Device Type	Hostname	System IP	Site ID	vMa	nage IP	
10	>	Success	Pushed serial list to vSmart-9a	vSmart	z0003-h1-vsmart1	10.170.255.153	11000001	10.1	70.255.151	
	>	Success	Pushed serial list to vSmart-6e	vSmart	z0003-h1-vsmart2	10.170.255.154	11000001	10.1	70.255.151	
	>	<ul> <li>Success</li> </ul>	Pushed serial list to vSmart-47	vSmart	c0002-vsmart1a	10.130.255.155	11000002	10.1	70.255.151	
	>	Success	Pushed serial list to vSmart-7b	vSmart	z0003-h2-vsmart1	10.171.255.153	11000001	10.1	70.255.151	
	>	<ul> <li>Success</li> </ul>	Pushed serial list to vSmart-c1	vSmart	z0003-h2-vsmart2	10.171.255.154	11000001	10.1	70.255.151	
	>	Success	Pushed serial list to vSmart-8b	vSmart	c0002-vsmart1b	10.130.255.156	11000002	10.1	70.255.151	
	>	Success	Pushed serial list to vSmart-46	vSmart	c0002-vsmart2a	10.130.255.157	11000002	10.1	70.255.151	
	>	🖉 Success	Pushed serial list to vSmart-1c	vSmart	c0002-vsmart2b	10.130.255.158	11000002	10.1	70.255.151	
	>	Success	Pushed serial list to vManage	vManage	z0001-h1-vmanage1	10.170.255.150	11000001	10.1	70.255.151	
	>	Success	Pushed serial list to vManage	vManage	z0003-h2-vmanage2	10.170.255.151	11000001	10.1	70.255.151	
	>	Success	Pushed serial list to vManage	vManage	z0003-h1-vmanage3	10.171.255.150	11000001	10.1	70.255.151	
	>	Success	Pushed serial list to vBond-de	vBond	z0003-h1-vbond1	10.170.255.152	11000001	10.1	70.255.151	
	>	Success	Pushed serial list to vBond-ea8	vBond	c0002-vbond1a	10.130.255.153	11000002	10.1	70.255.151	

Figure 29 – Push vEdge List Task Status

Now that you have successfully uploaded the additional device, confirm once more that the number of devices in the WAN Edge list has increased by the expected amount (one for this example) in the Configuration  $\rightarrow$  Devices page:

≡	cisco vManage					•	ê j	<u>1</u> 20	<b>@</b> a	dmin 🔫
55	CONFIGURATION   DEVICES									
	WAN Edge List Controllers									
٠	Configuration Upload WAN Edge List 🖸 Export Bootstrap Configuration 🗹 Sync Smart Account									
عر	Devices	Search Options 🗸							Total F	tows: 40
		Chassis Number	Serial No./Token	Enterprise Cert Serial No	Enterprise Cert Expiration Date	Subject SI	UDI serial #		Hostname	
*	TLS/SSL Proxy	17faa1b8-3071-2116-1348-ebdc7bfb33fa	Token - 2731e0a60fcf4	NA	NA	NA				
	Certificates	07923150-34ba-1c50-306a-da5d5c969	Token - f52950c4bfabff	NA	NA	NA				
		20234bf5-0204-f659-8add-e1b388dfb09e	Token - 4eedbd601404	NA	NA	NA				
11	Network Design	b10c51f5-0338-3fab-154b-15d712891c	Token - 79f65be97f4fef	NA	NA	NA				
	Templates	1ebc1181-8055-422f-e51a-9faf587420ee	Token - 609ec7b5fef2e	NA	NA	NA				
	Templates	929db8bf-9658-8278-287c-917f0493ec	Token - 822352e64fc31	NA	NA	NA				