

CVP Configlet, Change Control, and Rollback

Let's create a new CloudVision configlet. CloudVision configlets are snippets of configuration that are used to create a switch configuration.

All of the switches have a base Configlet. Additional Configlets have been defined for AAA and VLANs.

Getting Started:

1. Log into the Arista Test Drive portal with your assigned URL. If you don't have one, please see your ATD staff.

Welcome to Arista's Dual Data Center Lab!

Your topology is currently: Running

Access Topology: [Click Here to Access Topology](#)

Topology Address: Address .topo.testdrive-dev.arista.com [Copy Address](#)

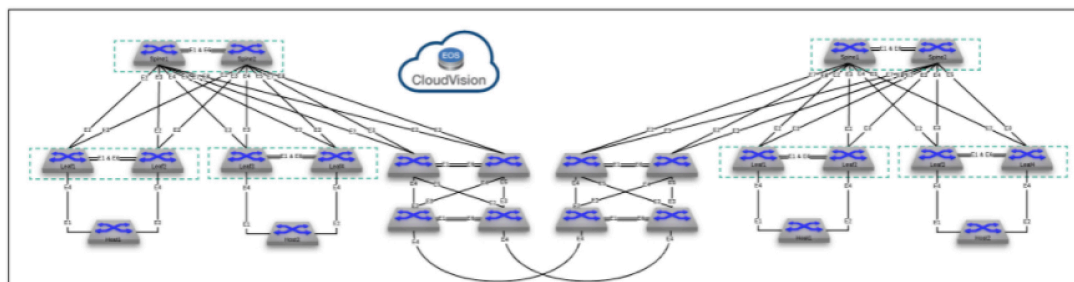
Time Remaining: 02:22:35
Deployment Date: 3/14/2022, 9:00:00 AM
Termination Date: 3/17/2022, 9:00:00 AM

START

STOP

*This page will update automatically every minute.
Please allow up to 10 minutes for a topology to start.

Lab Setup Overview:



(_images/nested_cvp_overview_1.png)

2. Click on the link **Click Here To Access Topology** and navigate to the below page. Click the **CVP** link on the left side of the screen.

ARISTA

Lab Guides (PDF)

Console Access

Programmability IDE

WebUI

CVP

Event Alert API

Jenkins

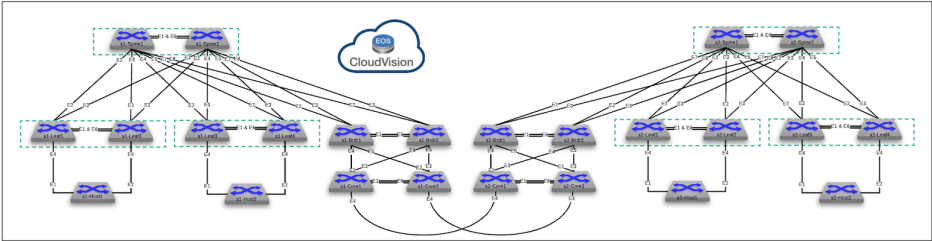
Arista Dual Data Center Lab

Welcome to the Arista Dual Data Center Lab! Please use the links on the left to navigate through the lab.

Time Remaining: 07:44:25

Topology

Click on a device to access CLI.



CVP 2022.3.1 is currently UP

No pending tasks in CVP.

Username and Passwords

Use the following usernames and passwords to access the ATD:

Device	Username	Password
Lab Credentials	arista	arista1k55
Programmability IDE		arista1k55
WebUI		@rista1

(_images/nested_cvp_landing_1.png)

3. You will come to a login screen for CloudVision Portal. Enter the username `arista` and the password `arista8dos`

Creating the Change Control:

1. For this lab, select **Provisioning** -> **Configlets** from CloudVision. If you do not see **Provisioning**, hover over the Wrench Icon on the Left Navigation Menu.

CloudVision

Inventory

Device Registration

Compliance Overview

Endpoint Overview

Connectivity Monitor

Traffic Flows

Endpoint Search

Comparison

Network Segmentation

Inventory

View all devices onboarded to CloudVision

Showing all 24 devices

Onboard Devices

Device	Streaming	Issues	Model	Software	Streaming Agent	IP Address	MAC Address	Device ID
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
s1-brdr1	Active		cEOSLab	4.32.0F	1.32.0_951dba3fb9f4a24d	192.168.0.100	00:1c:73:c0:c1:00	s1-brdr1
s1-brdr2	Active		cEOSLab	4.32.0F	1.32.0_951dba3fb9f4a24d	192.168.0.101	00:1c:73:c0:c1:01	s1-brdr2
s1-core1	Active		cEOSLab	4.32.0F	1.32.0_951dba3fb9f4a24d	192.168.0.102	00:1c:73:c0:c1:02	s1-core1
s1-core2	Active		cEOSLab	4.32.0F	1.32.0_951dba3fb9f4a24d	192.168.0.103	00:1c:73:c0:c1:03	s1-core2
s1-host1	Active		cEOSLab	4.32.0F	1.32.0_951dba3fb9f4a24d	192.168.0.16	00:1c:73:c0:c6:16	s1-host1
s1-host2	Active		cEOSLab	4.32.0F	1.32.0_951dba3fb9f4a24d	192.168.0.17	00:1c:73:c0:c6:17	s1-host2
s1-leaf1	Active		cEOSLab	4.32.0F	1.32.0_951dba3fb9f4a24d	192.168.0.12	00:1c:73:c0:c6:12	s1-leaf1
s1-leaf2	Active		cEOSLab	4.32.0F	1.32.0_951dba3fb9f4a24d	192.168.0.13	00:1c:73:c0:c6:13	s1-leaf2
s1-leaf3	Active		cEOSLab	4.32.0F	1.32.0_951dba3fb9f4a24d	192.168.0.14	00:1c:73:c0:c6:14	s1-leaf3
s1-leaf4	Active		cEOSLab	4.32.0F	1.32.0_951dba3fb9f4a24d	192.168.0.15	00:1c:73:c0:c6:15	s1-leaf4
s1-spine1	Active		cEOSLab	4.32.0F	1.32.0_951dba3fb9f4a24d	192.168.0.10	00:1c:73:c0:c6:10	s1-spine1
s1-spine2	Active		cEOSLab	4.32.0F	1.32.0_951dba3fb9f4a24d	192.168.0.11	00:1c:73:c0:c6:11	s1-spine2
s2-brdr1	Active		cEOSLab	4.32.0F	1.32.0_951dba3fb9f4a24d	192.168.0.200	00:1c:73:c0:c2:00	s2-brdr1

(_images/cvp_configlet_0.gif)

2. Click the + in the top right and select **Configlets** to create a new configlet.
3. In the configuration section enter the command information as shown:
- alias snz show interface counter | nz
4. Name the Configlet **Alias**.
5. The Configlet can be validated against a device to ensure there isn't a conflict and the configuration is validated. To validate, click the checkbox in the top right section.
6. Once the configuration is validated, Click the **Save** button to save the Configlet.

Configlets
Manage configlets and view configlet details

Search

Configlets

Name	Containers	Devices	Notes	Type	Created By	Created Date
<input type="checkbox"/> ATD-INFRA	1	24	Add Note	Static	arista	2024-05-31 08:27:08
<input type="checkbox"/> Add_Loopbacks	0	0	Add Note	Builder	arista	2024-05-31 08:26:46
<input type="checkbox"/> BASE_s1-brdr1	0	1	Add Note	Static	arista	2024-05-31 08:26:47
<input type="checkbox"/> BASE_s1-brdr2	0	1	Add Note	Static	arista	2024-05-31 08:26:47
<input type="checkbox"/> BASE_s1-core1	0	1	Add Note	Static	arista	2024-05-31 08:26:47
<input type="checkbox"/> BASE_s1-core2	0	1	Add Note	Static	arista	2024-05-31 08:26:47
<input type="checkbox"/> BASE_s1-host1	0	1	Add Note	Static	arista	2024-05-31 08:26:47
<input type="checkbox"/> BASE_s1-host2	0	1	Add Note	Static	arista	2024-05-31 08:26:48
<input type="checkbox"/> BASE_s1-leaf1	0	1	Add Note	Static	arista	2024-05-31 08:26:48
<input type="checkbox"/> BASE_s1-leaf2	0	1	Add Note	Static	arista	2024-05-31 08:26:48
<input type="checkbox"/> BASE_s1-leaf3	0	1	Add Note	Static	arista	2024-05-31 08:26:48
<input type="checkbox"/> BASE_s1-leaf4	0	1	Add Note	Static	arista	2024-05-31 08:26:48
<input type="checkbox"/> BASE_s1-spine1	0	1	Add Note	Static	arista	2024-05-31 08:26:49
<input type="checkbox"/> BASE_s1-spine2	0	1	Add Note	Static	arista	2024-05-31 08:26:49
<input type="checkbox"/> BASE_s2-brdr1	0	1	Add Note	Static	arista	2024-05-31 08:26:49
<input type="checkbox"/> BASE_s2-brdr2	0	1	Add Note	Static	arista	2024-05-31 08:26:49
<input type="checkbox"/> BASE_s2-core1	0	1	Add Note	Static	arista	2024-05-31 08:26:49
<input type="checkbox"/> BASE_s2-core2	0	1	Add Note	Static	arista	2024-05-31 08:26:49
<input type="checkbox"/> BASE_s2-host1	0	1	Add Note	Static	arista	2024-05-31 08:26:50
<input type="checkbox"/> BASE_s2-host2	0	1	Add Note	Static	arista	2024-05-31 08:26:50
<input type="checkbox"/> BASE_s2-leaf1	0	1	Add Note	Static	arista	2024-05-31 08:26:50
<input type="checkbox"/> BASE_s2-leaf2	0	1	Add Note	Static	arista	2024-05-31 08:26:51
<input type="checkbox"/> BASE_s2-leaf3	0	1	Add Note	Static	arista	2024-05-31 08:26:51
<input type="checkbox"/> BASE_s2-leaf4	0	1	Add Note	Static	arista	2024-05-31 08:26:51
<input type="checkbox"/> BASE_s2-spine1	0	1	Add Note	Static	arista	2024-05-31 08:26:51
<input type="checkbox"/> BASE_s2-spine2	0	1	Add Note	Static	arista	2024-05-31 08:26:52
<input type="checkbox"/> EVPN-SINGLE_s1-brdr1	0	0	Add Note	Static	arista	2024-05-31 08:26:52

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(_images/cvp_configlet_1.gif)

Applying the Configlet with a Change Control:

1. To apply the Configlet, navigate to **Network Provisioning** expand the **S1** container, right click on the **S1-Leaf** container and select **Manage -> Configlet**.
2. Select the **Alias** Configlet and click **Update**. This activity is to simply add a new configlet to the existing configlets applied on the 'Leaf' container. **Do not Remove** existing configlets from the Proposed Configuration section.
***Expert Tip - Use search bar to find Configlets faster*
3. On the 'Network Provisioning' page, Click the **Save** button to save the changes to the topology.
4. The screen will refresh and a 'T' for task will appear above each device, representing that tasks have been generated that need to run to push the configuration change.

Configlets
Manage configlets and view configlet details

Search

Configlets

Name	Containers	Devices	Notes	Type	Created By	Created Date
<input type="checkbox"/> ATD-INFRA	1	24	Add Note	Static	arista	2024-05-31 08:27:08
<input type="checkbox"/> Add_Loopbacks	0	0	Add Note	Builder	arista	2024-05-31 08:26:46
<input type="checkbox"/> Alias	0	0	Add Note	Static	arista	2024-05-31 12:52:20
<input type="checkbox"/> BASE_s1-brdr1	0	1	Add Note	Static	arista	2024-05-31 08:26:47
<input type="checkbox"/> BASE_s1-brdr2	0	1	Add Note	Static	arista	2024-05-31 08:26:47
<input type="checkbox"/> BASE_s1-core1	0	1	Add Note	Static	arista	2024-05-31 08:26:47
<input type="checkbox"/> BASE_s1-core2	0	1	Add Note	Static	arista	2024-05-31 08:26:47
<input type="checkbox"/> BASE_s1-host1	0	1	Add Note	Static	arista	2024-05-31 08:26:47
<input type="checkbox"/> BASE_s1-host2	0	1	Add Note	Static	arista	2024-05-31 08:26:48
<input type="checkbox"/> BASE_s1-leaf1	0	1	Add Note	Static	arista	2024-05-31 08:26:48
<input type="checkbox"/> BASE_s1-leaf2	0	1	Add Note	Static	arista	2024-05-31 08:26:48
<input type="checkbox"/> BASE_s1-leaf3	0	1	Add Note	Static	arista	2024-05-31 08:26:48
<input type="checkbox"/> BASE_s1-leaf4	0	1	Add Note	Static	arista	2024-05-31 08:26:48
<input type="checkbox"/> BASE_s1-spine1	0	1	Add Note	Static	arista	2024-05-31 08:26:49
<input type="checkbox"/> BASE_s1-spine2	0	1	Add Note	Static	arista	2024-05-31 08:26:49
<input type="checkbox"/> BASE_s2-brdr1	0	1	Add Note	Static	arista	2024-05-31 08:26:49
<input type="checkbox"/> BASE_s2-brdr2	0	1	Add Note	Static	arista	2024-05-31 08:26:49
<input type="checkbox"/> BASE_s2-core1	0	1	Add Note	Static	arista	2024-05-31 08:26:49
<input type="checkbox"/> BASE_s2-core2	0	1	Add Note	Static	arista	2024-05-31 08:26:49
<input type="checkbox"/> BASE_s2-host1	0	1	Add Note	Static	arista	2024-05-31 08:26:50
<input type="checkbox"/> BASE_s2-host2	0	1	Add Note	Static	arista	2024-05-31 08:26:50
<input type="checkbox"/> BASE_s2-leaf1	0	1	Add Note	Static	arista	2024-05-31 08:26:50
<input type="checkbox"/> BASE_s2-leaf2	0	1	Add Note	Static	arista	2024-05-31 08:26:51
<input type="checkbox"/> BASE_s2-leaf3	0	1	Add Note	Static	arista	2024-05-31 08:26:51
<input type="checkbox"/> BASE_s2-leaf4	0	1	Add Note	Static	arista	2024-05-31 08:26:51
<input type="checkbox"/> BASE_s2-spine1	0	1	Add Note	Static	arista	2024-05-31 08:26:51
<input type="checkbox"/> BASE_s2-spine2	0	1	Add Note	Static	arista	2024-05-31 08:26:52

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(_images/cvp_configlet_2.gif)

- Click **Tasks** in the left navigation column.
- Check each Task in the 'Assignable Tasks' section, then click the **Create Change Control with 4 Tasks** button. Select **Parallel** then **Create Change Control**.
- Select **Review and Approve** in the top right. You will see the *Designed Configuration vs. Running Configuration*. The Designed Configuration is a combination of all configlets to build a full device configuration. The Running Configuration is the running-config prior to executing the task. Configuration differences are highlighted to show New Lines, Mismatch Lines, and To Reconcile.
- Select **Approve** in the bottom right to approve the Change Control.
- Select **Execute Change Control** in the top right and then **Execute** to execute the Change Control tasks.
- When the tasks are completed, navigate into the task by clicking on the task object.

The screenshot shows the 'Network Provisioning' section of the Arista ATD 1 interface. On the left is a sidebar with navigation options: Provisioning, Network Provisioning, Configlets, Image Repository, Tasks, Actions, Change Control, Action Bundles, Templates, Studios, Workspaces, Snapshot Configuration, Public Cloud Accounts, Tags, and Zero Touch Provisioning. The main area displays a table of network devices under the 'Tenant (24)' group. The table has columns for Name, IP Address, Mac Address, Serial No., Container, Status, and Tenant. The devices are organized into two groups: S1 (12) and S2 (12). The S1 group includes devices like s1-brdr1, s1-brdr2, s1-core1, s1-core2, s1-host1, s1-host2, s1-leaf1, s1-leaf2, s1-leaf3, s1-leaf4, s1-spine1, and s1-spine2. The S2 group includes devices like s2-brdr1, s2-brdr2, s2-core1, s2-core2, s2-host1, s2-host2, s2-leaf1, s2-leaf2, s2-leaf3, s2-leaf4, s2-spine1, and s2-spine2. The Status column shows some devices with a yellow 'T' icon, indicating a task or error. At the bottom of the table, there are 'Preview', 'Save', and 'Cancel' buttons.

Name	IP Address	Mac Address	Serial No.	Container	Status	Tenant
s1-brdr1.atd.lab	192.168.0.100	00:1c:73:c0:c1:00	s1-brdr1	S1-Brdr		S1 (12)
s1-brdr2.atd.lab	192.168.0.101	00:1c:73:c0:c1:01	s1-brdr2	S1-Brdr		
s1-core1.atd.lab	192.168.0.102	00:1c:73:c0:c1:02	s1-core1	S1-Core		
s1-core2.atd.lab	192.168.0.103	00:1c:73:c0:c1:03	s1-core2	S1-Core		
s1-host1.atd.lab	192.168.0.16	00:1c:73:c0:c6:16	s1-host1	S1-Hosts		
s1-host2.atd.lab	192.168.0.17	00:1c:73:c0:c6:17	s1-host2	S1-Hosts		
s1-leaf1.atd.lab	192.168.0.12	00:1c:73:c0:c6:12	s1-leaf1	S1-Leaf	T	
s1-leaf2.atd.lab	192.168.0.13	00:1c:73:c0:c6:13	s1-leaf2	S1-Leaf	T	
s1-leaf3.atd.lab	192.168.0.14	00:1c:73:c0:c6:14	s1-leaf3	S1-Leaf	T	
s1-leaf4.atd.lab	192.168.0.15	00:1c:73:c0:c6:15	s1-leaf4	S1-Leaf	T	
s1-spine1.atd.lab	192.168.0.10	00:1c:73:c0:c6:10	s1-spine1	S1-Spine		
s1-spine2.atd.lab	192.168.0.11	00:1c:73:c0:c6:11	s1-spine2	S1-Spine		
s2-brdr1.atd.lab	192.168.0.200	00:1c:73:c0:c2:00	s2-brdr1	S2-Brdr		S2 (12)
s2-brdr2.atd.lab	192.168.0.201	00:1c:73:c0:c2:01	s2-brdr2	S2-Brdr		
s2-core1.atd.lab	192.168.0.202	00:1c:73:c0:c2:02	s2-core1	S2-Core		
s2-core2.atd.lab	192.168.0.203	00:1c:73:c0:c2:03	s2-core2	S2-Core		
s2-host1.atd.lab	192.168.0.26	00:1c:73:c0:c6:26	s2-host1	S2-Hosts		
s2-host2.atd.lab	192.168.0.27	00:1c:73:c0:c6:27	s2-host2	S2-Hosts		
s2-leaf1.atd.lab	192.168.0.22	00:1c:73:c0:c6:22	s2-leaf1	S2-Leaf		
s2-leaf2.atd.lab	192.168.0.23	00:1c:73:c0:c6:23	s2-leaf2	S2-Leaf		
s2-leaf3.atd.lab	192.168.0.24	00:1c:73:c0:c6:24	s2-leaf3	S2-Leaf		
s2-leaf4.atd.lab	192.168.0.25	00:1c:73:c0:c6:25	s2-leaf4	S2-Leaf		
s2-spine1.atd.lab	192.168.0.20	00:1c:73:c0:c6:20	s2-spine1	S2-Spine		
s2-spine2.atd.lab	192.168.0.21	00:1c:73:c0:c6:21	s2-spine2	S2-Spine		

(_images/cvp_configlet_3.gif)

Note

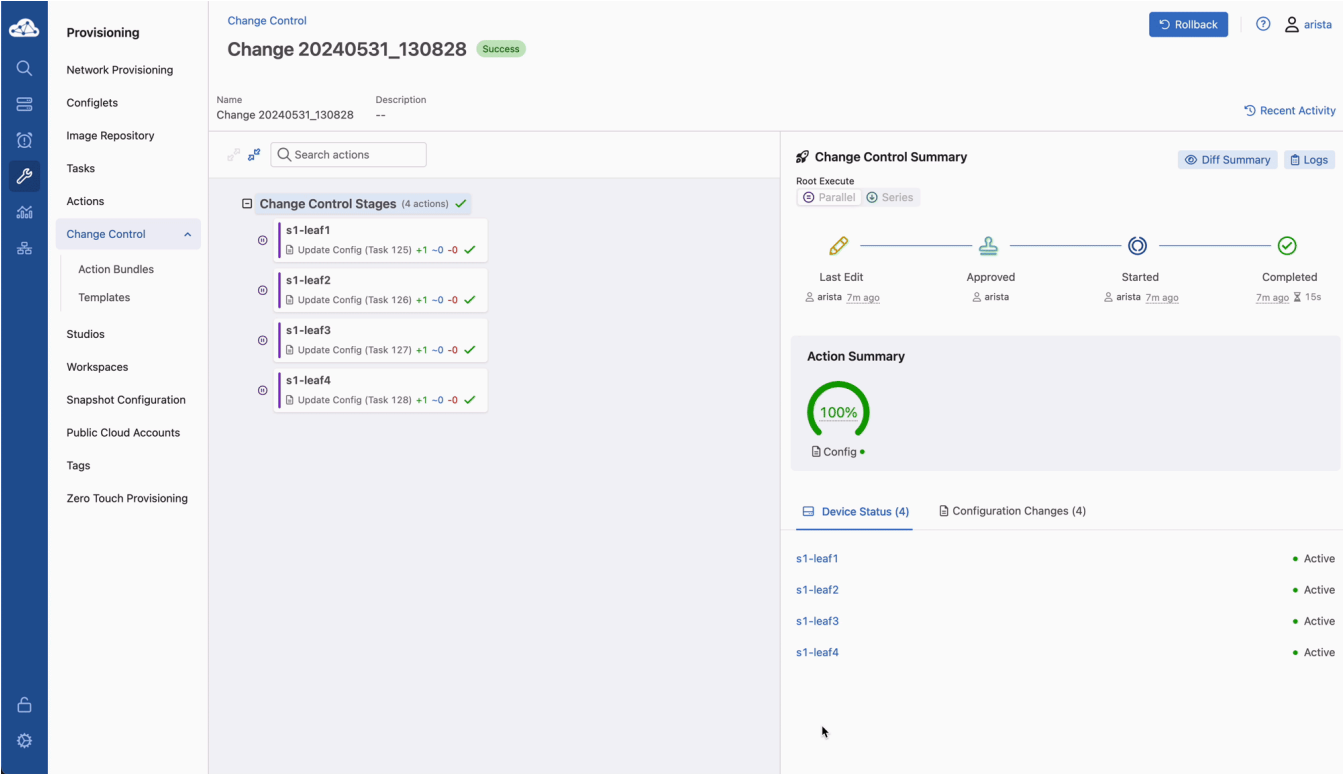
Creating a **Parallel** Change Control will run all 4 tasks simultaneously. If we created a **Series** Change Control, the tasks would run one at a time

***See the 'CVP Advanced Change Control' lab guide for more information on Change Controls*

Rolling Back the Change Control:

Oh no! That Alias wasn't supposed to be deployed to production yet and now we need to return the leaf switches back to their original state. Not a problem, let's quickly do a Rollback.

1. If you're still on the Change Control screen, you should see a **Rollback** button on the upper right. If you already navigated away from this screen, you can choose Provisioning at the top of the page, click on Change Control, then select the name of the last run Change Control
2. Once you select **Rollback**, the screen that pops up will have you select the switches you would like to rollback. Select all 4 switches, then click **Create Rollback Change Control**
3. Click **Review and Approve**. You will be shown the specific lines that will be removed from the running configuration of the switches. This time, let's select the **Execute Immediately** switch, then select **Approve and Execute**. The changes are being rolled back. Whew!



(_images/cvp_configlet_4.gif)

LAB COMPLETE

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