LAB GUIDE



NetEdit 2.1 - Part 3 - Overlays and Solution Deployment

IMPORTANT! THIS GUIDE ASSUMES THAT THE AOS-CX OVA HAS BEEN INSTALLED AND WORKS IN GNS3 OR EVE-NG. PLEASE REFER TO GNS3/EVE-NG INITIAL SETUP LABS IF REQUIRED.

https://www.eve-ng.net/index.php/documentation/howtos/howto-add-aruba-cx-switch/

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Lab Objective

This is the first of a NetEdit lab series. At the end of the lab series, you will be able to operate an Aruba AOS-CX Network using Aruba NetEdit 2.1.

Lab Overview

In this third lab of the NetEdit Series, you will configure a Static VXLAN Tunnel using the Multi-Editor Tool and use the Deploy Solution tool as an alternative way of managing configurations.

This lab requires is the continuation of Lab 1 and assumes that:

- you have completed Lab 1 and Lab 2
- the configuration of the switches is still active
- NetEdit is in the same state as it was at the end of Lab 2

Lab Network Layout

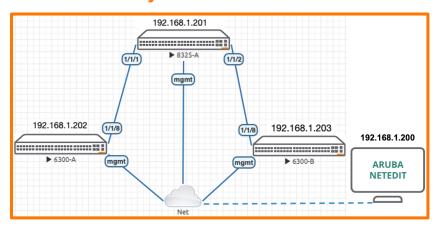
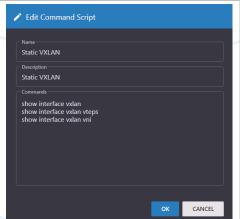


Figure 1. Lab topology and addresses

Lab Task 1. Creating and Visualizing an Overlay

Repeat the steps of Part 2 - Lab Task 2 to create the Change Validation test and

Create the change validation Command Script

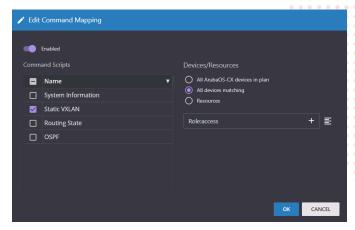


Commands

show interface vxlan show interface vxlan vni show interface vxlan vteps

Create the corresponding Command Mapping

Note: The VXLAN change validation will only be applied to the access switches. In the sceen capture below, notice the right panel where the Access query has been applied. This is one of the most important use cases of the query feature.



Configure Static VXLAN

In the Device page, select both access switches, and select the Edit Config (ACTION).

Configure the static VXLAN interface



Source IP - Loopback 0

ACC1A: 10.254.1.2

ACC1B: 10.254.1.3

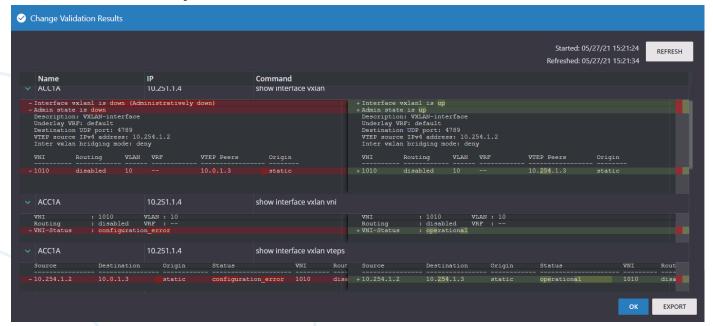
VTEP-peer - Peer Loopback 0

ACC1A: 10.254.1.3ACC1B: 10.254.1.2

Validate the configuration, and deploy.

- At the top of the editor panel find these 3 options ## VIEWS 📋 RETURN TO PLAN 🤝 VALIDATE and click on VALIDATE
- If the validation is successful, RETURN TO PLAN and DEPLOY
- Open Change Validation
- Analyze the outputs of the commands included in the Static VXLAN script

```
show interface vxlan show interface vxlan vni show interface vxlan vteps
```



• A successful deployment is reflected by:

Command: show interface vxlan

Interface vxlan1 is <mark>up</mark> Admin state is <mark>up</mark>

Command: show interface vxlan vni

VNI-status : operational

Command: show interface vteps

Source	Destination	Origin	Status VNI
10.254.1.3	10.254.1.2	static	operational 1010

If the state is different from operation, ensure that the command "no shutdown" was included in the interface vxlan 1 configuration. By default, the interface is down.

- If the configuration change was successful, COMMIT the changes.
- Return to the Network page
- On the left panel, locate the Segmentation and enable the display for VNI 1010

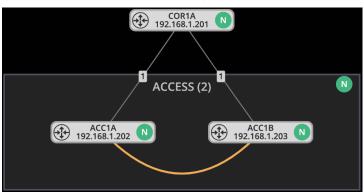


Segmentation: enabled

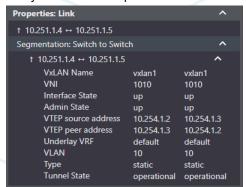
Switch to Switch: Selected

VNI: 1010

The network graph should have changed:



- Click on the yellow link (VXLAN Tunnel)
- On the right panel, locate the Properties: Link box
- Verify the information provided



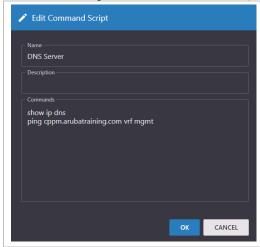
Lab Task 2. Changing Configurations using Deploy Solutions

In this activity, you will use "Deploy Solution" to configure the DNS Server on all switches at once.

As you go through the lab activity, compare the steps with the multi-editor process.

Create the Change Validation test.

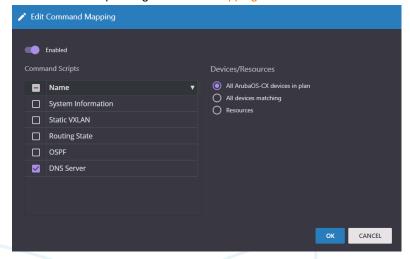
Create the change validation Command Script



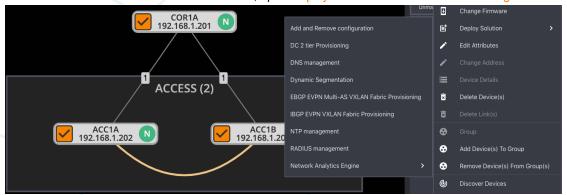
Commands

show ip dns ping cppm.arubatraining.com vrf mgmt

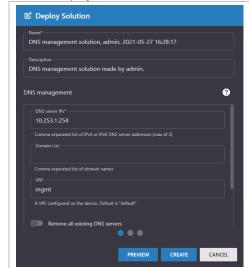
• Create the corresponding Command Mapping



- Select all 3 switches and in the ACTION menu, open Deploy Solutions and select DNS management



• In the Deploy Solution form enter



VRF: mgmt

Leave all other parameters in default state.

DNS Server IPs: 10.253.1.254

PREVIEW

Scroll down to verifiy that the right command is ready for deployment. Click OK.

• CREATE



If all the validation is successful, DEPLOY



Open Change Validation and look for the result of the ping command

COMMIT

Important: Keep the lab as it is at this point for the NetEdit 2.1 Part 4



