LAB GUIDE

aruba

a Hewlett Packard
Enterprise company

NetEdit 2.1 - Part 4 – NAE Agents and Notifications

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/

TABLE OF CONTENTS

Lab Objective

This is the fourth lab in the NetEdit lab. 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 lab of the NetEdit Series, you will use NetEdit to deploy an NAE agent and monitor critical alerts. Additionally, you will explore NetEdit's notification feature.

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

- you have completed labs 1 to 3
- the configuration of the switches is still active
- NetEdit is in the same state as it was at the end of Lab 3

Lab Network Layout
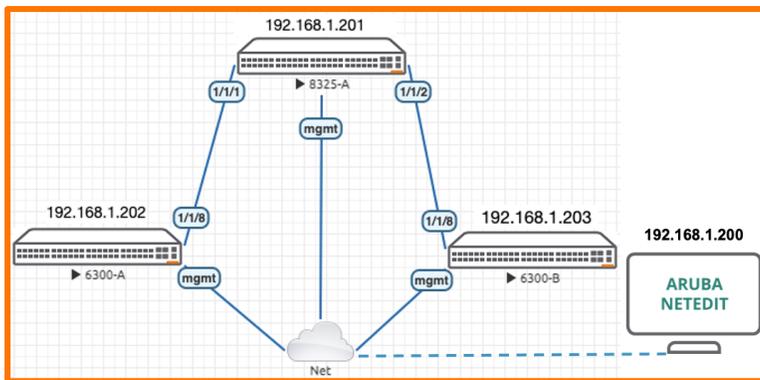
Figure 1. Lab topology and addresses

Lab Task 1. Create a Notification for NAE Critical Alerts

In this task you will prepare a NetEdit notification for NAE critical alerts. For simplicity, the alert will be "Log Only".

- Go to the Notifications page 🔔
- In the Notifications tab, go to Actions and Add Notification
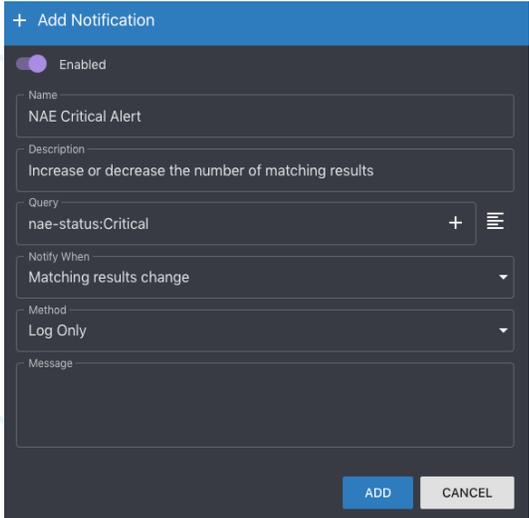
Name: NAE Critical Alert

Description: Increase or decrease the number of matching results

Query: nae-status:Critical

Notify when: Matching results change

Method: Log only

- Click Add to confirm and verify that the notification has been created

Enabled	Name	Description	Query	Notify When	Method
✅	NAE Critical Alert	Increase or decrease the number of match...	nae-status:Critical	Matching results change	Log Only

> Note: take a few minutes to explore the Methods tab, and learn what methods can be created

Lab Task 2. Deploying and Using NAE Scripts

Test your network connections COR1A's WebUI (192.168.1.201) in Chrome and login with admin/admin
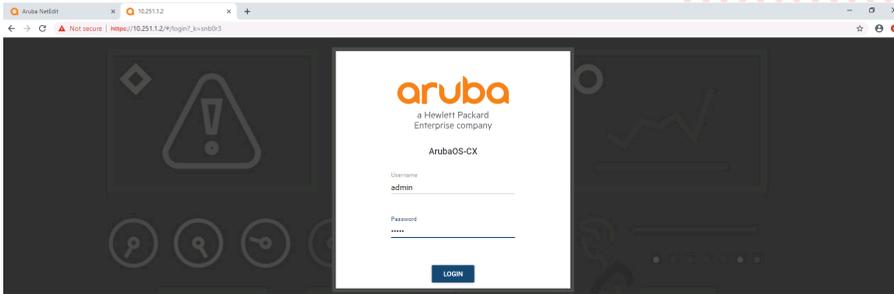
Leave the WebUI open and return to the NetEdit tab.

Deploy an NAE Agent

- **Return to NetEdit**
- Select COR1A and in the ACTION menu choose Deploy Solution.
- Go to the Deploy Networks Analytics Engine and select network_health_monitor.1.3
- Use the NAE Agent Name LAG_Health and setup monitoring for LAG 1 and LAG 2

- PREVIEW

- CREATE and if all the validation is successful, DEPLOY

-
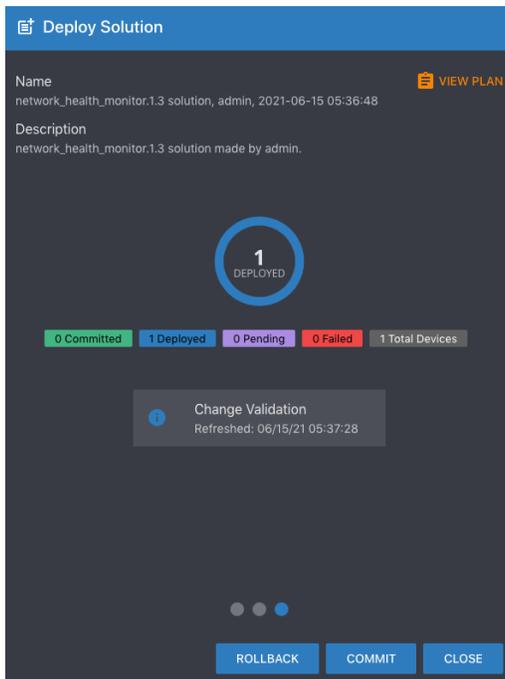
    - Review Change Validation and check the differences in the output of show running-config command
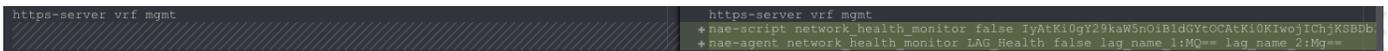

- Click OK and COMMIT
- Select the COR1A and on the right panel look for the Device properties
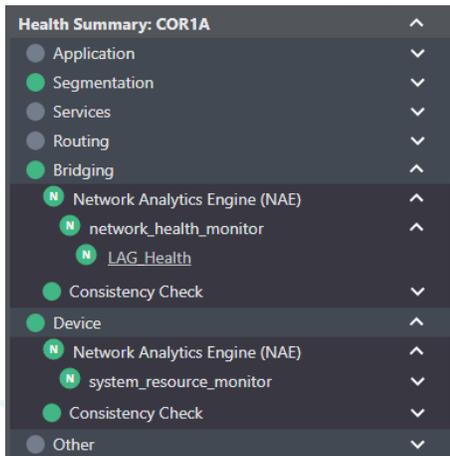

- Click on Bridging and open Network Analytics Engine, Network Health Monitor, LAG_Health
- Click on LAG_Health to open the WebUI's NAE Agent page
- Try the NAE Agent by shutting down interface 1/1/1 and affecting the state of LAG 1
- Use the Multi-Editor for COR1A, shutdown interface 1/1/1, and deploy the change


- Go to the main dashboard (Overview page)

Notice that the NAE Status Critical tile now shows 1 MATCHED

IMPORTANT

This tile is where you will find if there is any critical alert generated by any agent on any switch in the network (managed by NetEdit).

- At the top-right corner, notice the Alert
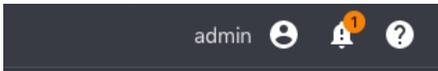
- Click on it and NetEdit will take you to the Notifications page and show you the log message

Time	Notification	Method	Message
06/15/21 06:02:47	NAE Critical Alert	Log Only	NAE Critical Alert https://192.168.1.240/#/app/network?search=nae-status%3ACritical + COR1A (192.168.1.201) (added)

- Right-click on it and acknowledge the message
- Select it to see the details

Time
06/15/21 06:02:47

Notification
NAE Critical Alert

Method
Log Only

Message
NAE Critical Alert

https://192.168.1.240/#/app/network?search=nae-status%3ACritical

+ COR1A (192.168.1.201) (added)
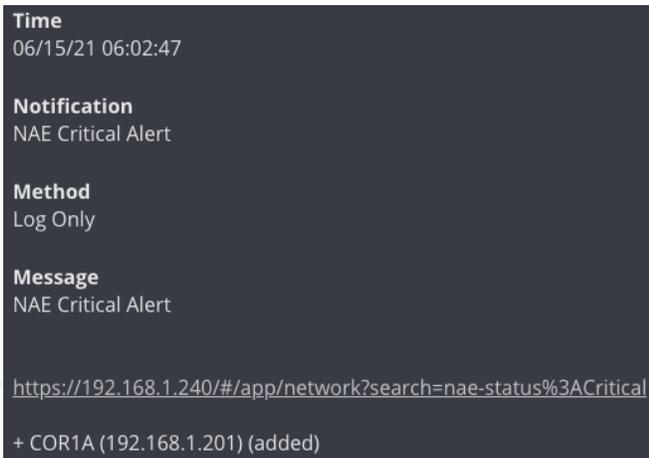
- Return to NetEdit's network page by clicking on the URL shown in the alert details
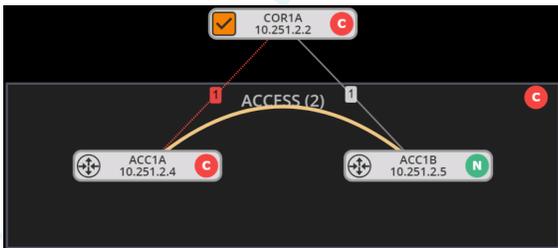
Notice the link between COR1A and ACC1A and the Critical NAE state.

- Go to the WebUI tab, and observe the agent's page: see the status, and, in the Alert box click on the Link State alert and select Details

Agent Details ✏ ☰	Status	▲ Alerts ⬈ NAVIGATE ⓘ DETAILS

Agent Details

Name
LAG_Health

Script Name
network_health_monitor

Status

🔴 Critical

Last Status
an hour ago

Alerts

Time	Rule	Action(s)
05/30/21 13:50:59	Link State	ALERT_LEVEL,CLI(2),SYSLOG

Explore the CLI Command and Output Results

▲ Alert Details

Agent	LAG_Health
Rule	Link State
Time	05/30/21 13:50:59
Action(s)	ALERT_LEVEL,CLI(2),SYSLOG
Monitors:	
	Interface Link status
Time Series:	
	Interface_link_state
Resources:	
	Interface=1/1/1
Action Result(s):	
Alert Level Changed	🔴 Critical
SYSLOG	[local] Interface 1/1/1 Link gone down
CLI (show lldp configuration 1/1/1)	Output - SUCCESS ✅
CLI (show interface 1/1/1 extended)	Output - SUCCESS ✅

CLOSE

End of NetEdit 2.1 Lab 4.

aruba

a Hewlett Packard
Enterprise company

www.arubanetworks.com

3333 Scott Blvd. Santa Clara, CA 95054
1.844.472.2782 | T: 1.408.227.4500 | FAX: 1.408.227.4550 | info@arubanetworks.com