Campus A-02 Wired Lab Guide
Access Interface Configuration

This Lab Guide:
https://github.com/arista-rockies/Workshops/tree/main/Campus

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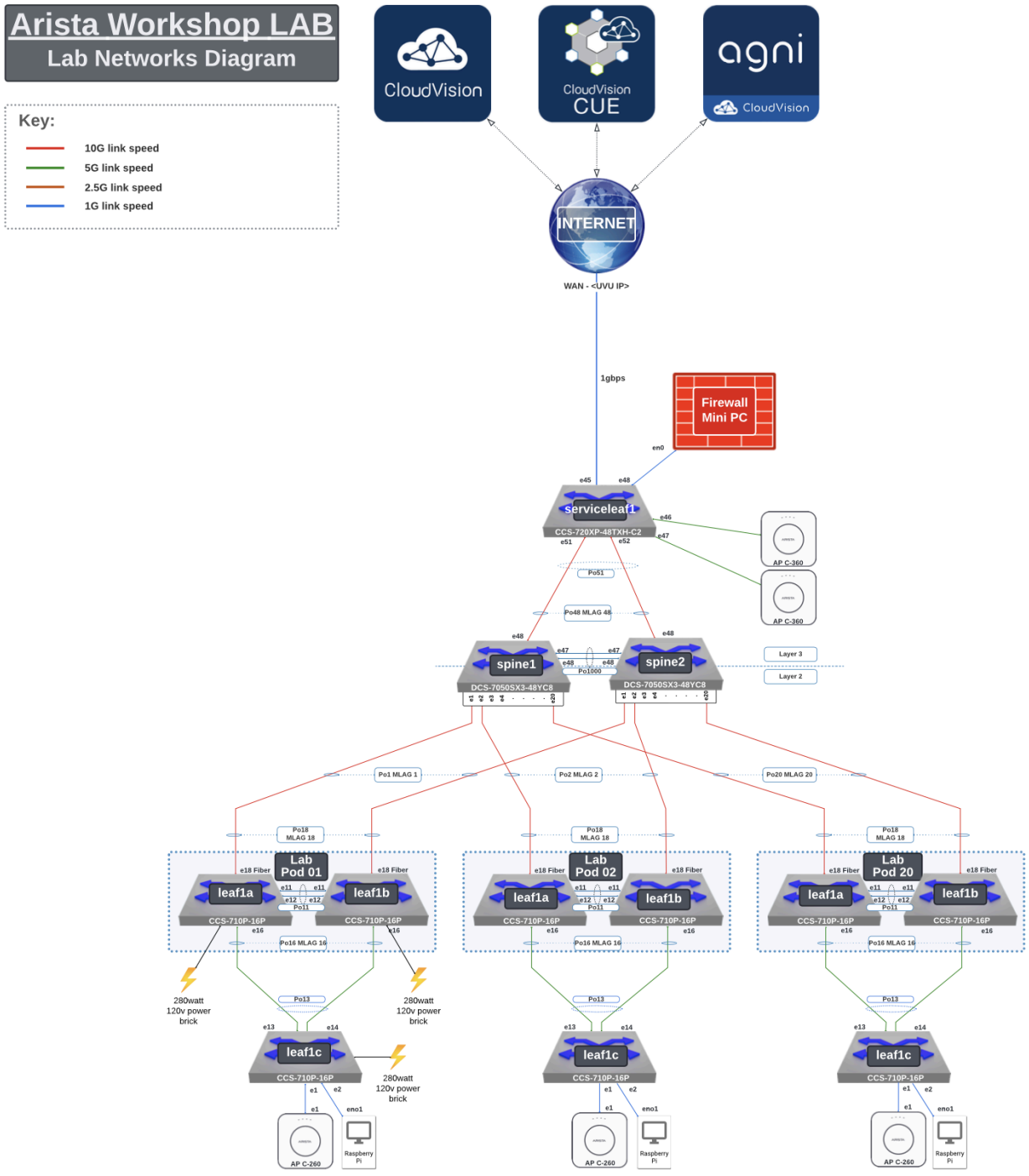
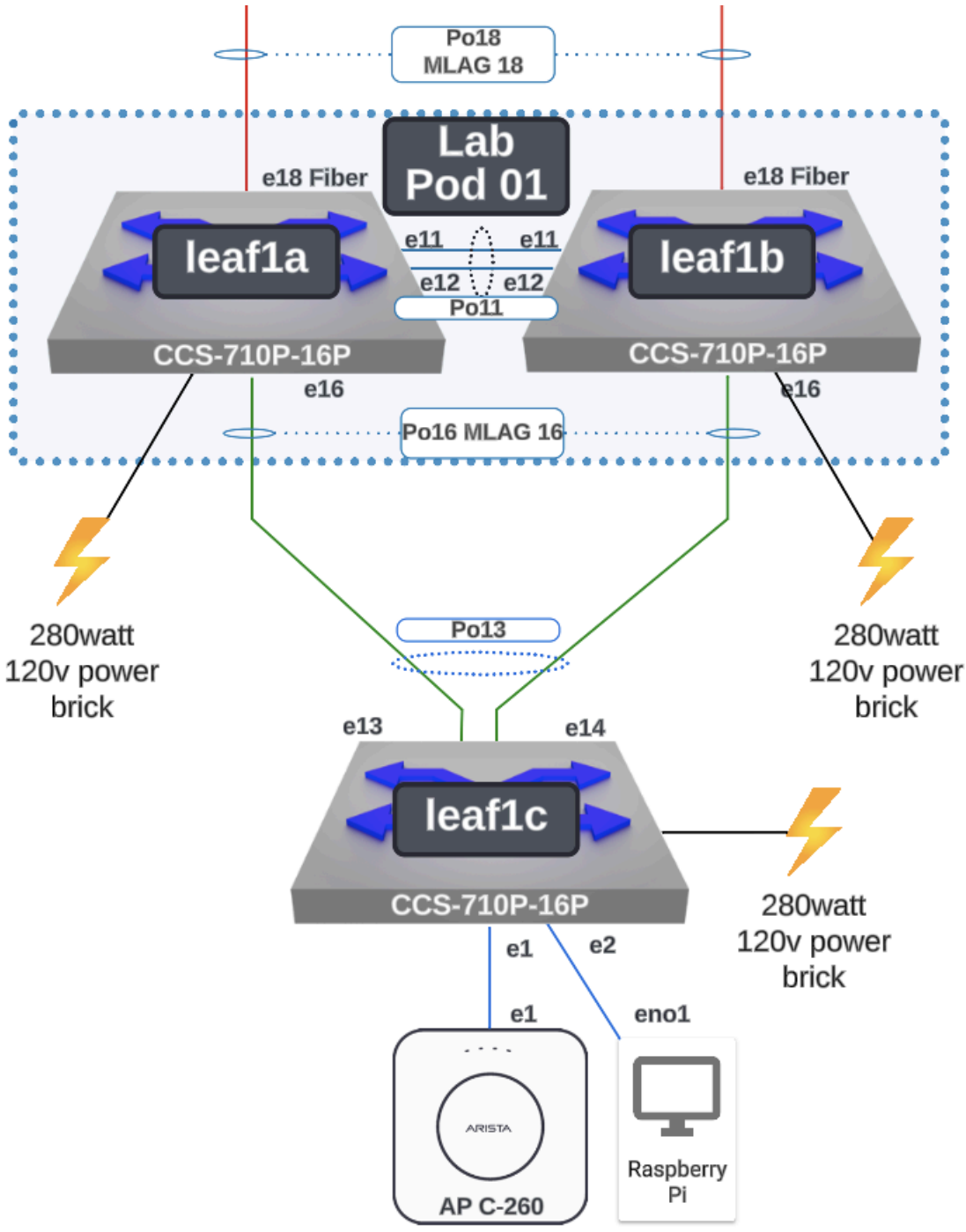
Full Lab Topology



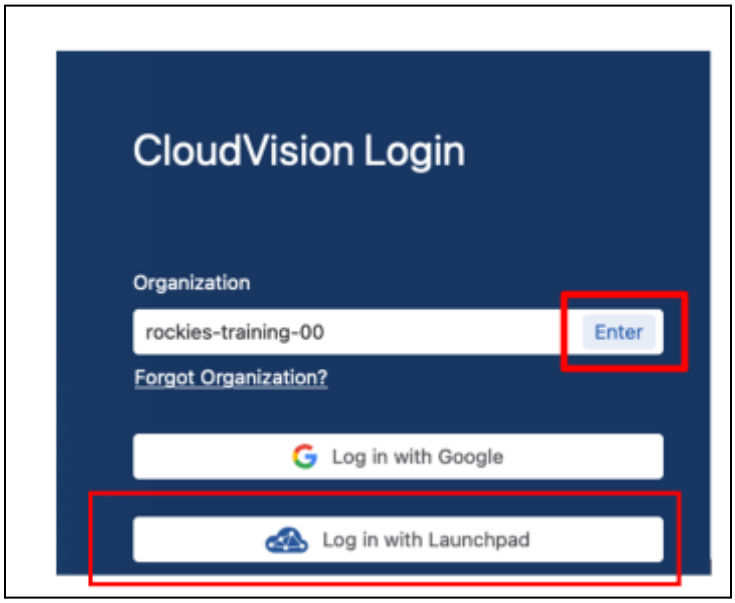
POD Topology



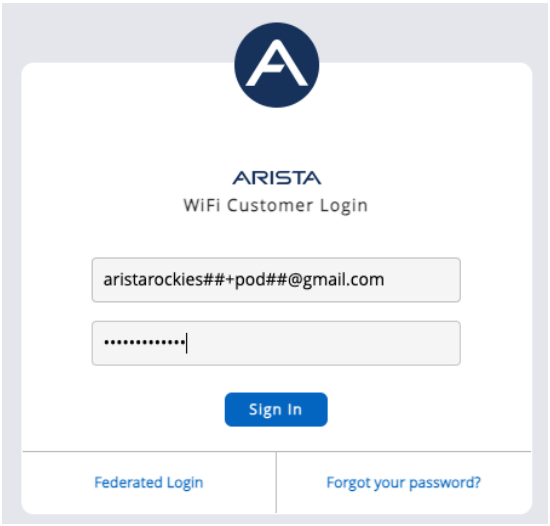
1. Accessing CloudVision as a Service

In your Google Chrome browser, enter the following URL: https://www.arista.io/ to access CloudVision as a Service (CVaaS).

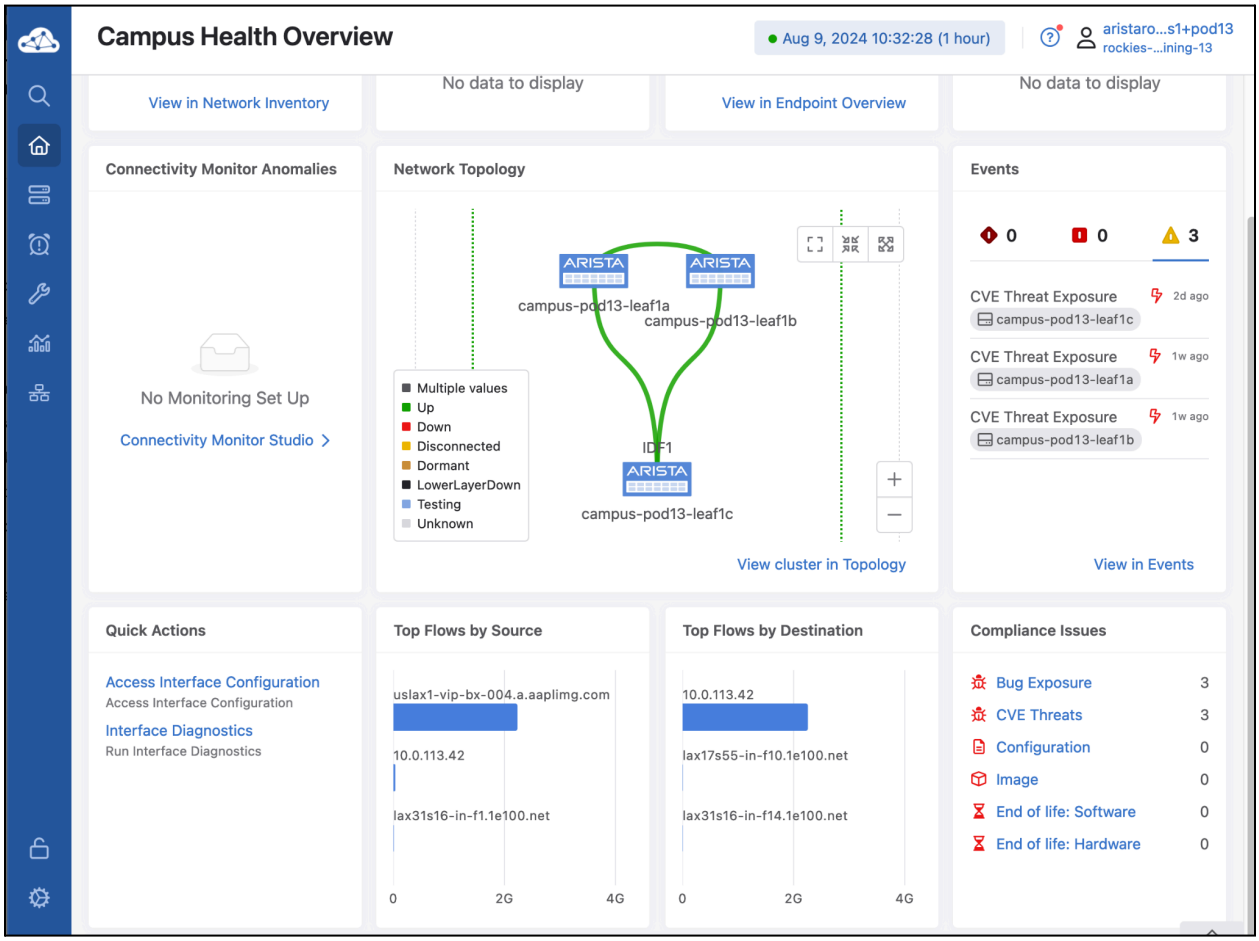
1. in the "**Organization**" box enter the Organization name "**rockies-training-##**" where **##** is a 2 digit character between 01-20 that was assigned to your lab/Pod, then click "**Enter**".



2. Click the Log in with Launchpad button and provide your assigned lab/Pod email address and password:



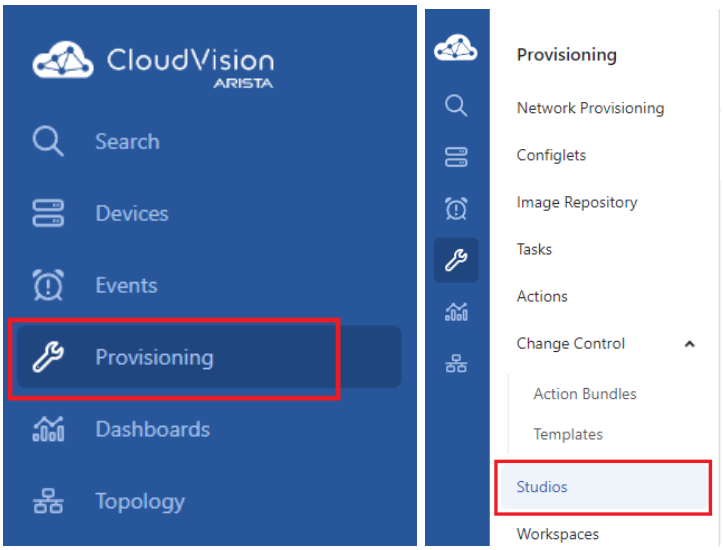
3. You will now be logged into CloudVision



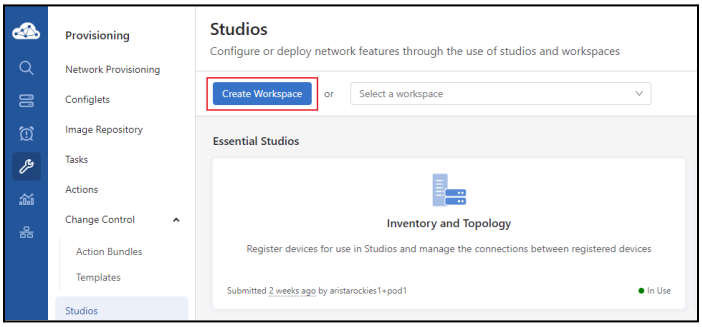
2. Creating Port Profiles

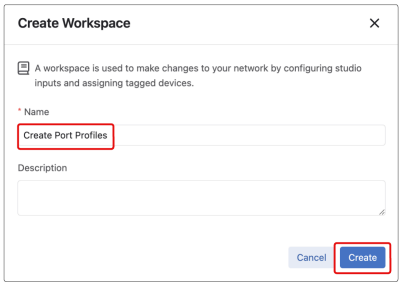
This lab will help you create port profiles and apply them to interfaces in your ATD network.

1. Click on the **Provisioning**”menu option, then choose **Studios**

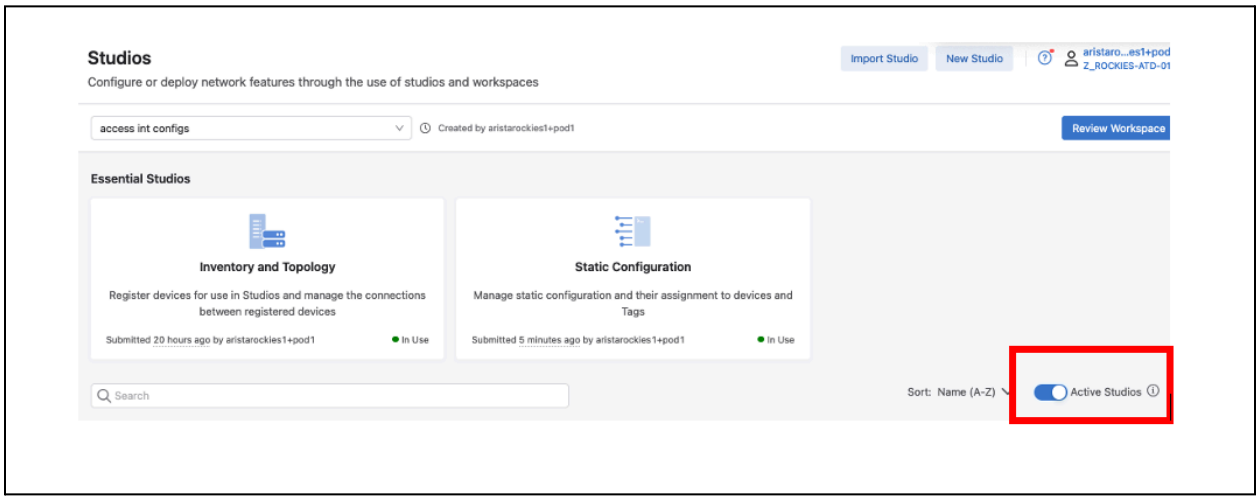


2. Click **Create Workspace** and name it **Create Port Profiles** then select **Create**. *A workspace acts as a sandbox where you can stage your configuration changes before deploying them*

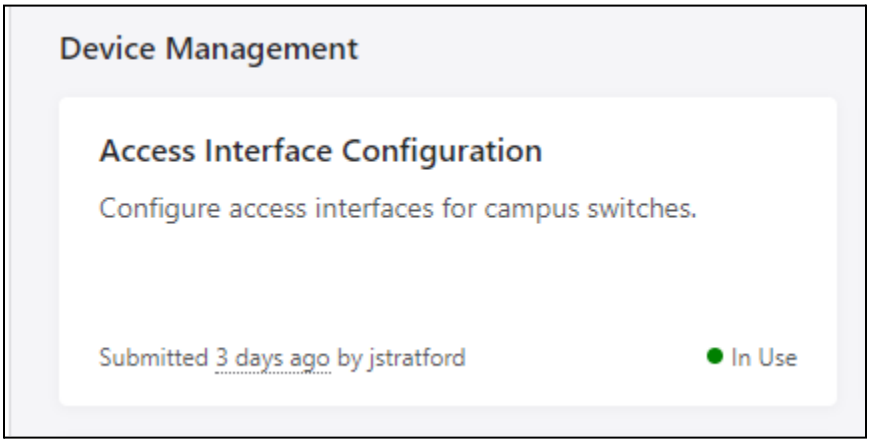




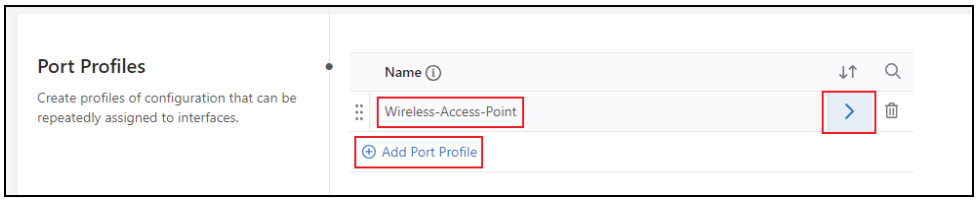
3. Disable the **Active Studios** toggle to display all available CloudVision Studios (which when enabled will only show used/active Studios). ***Note:**- *the toggle may already be in the disabled position.*



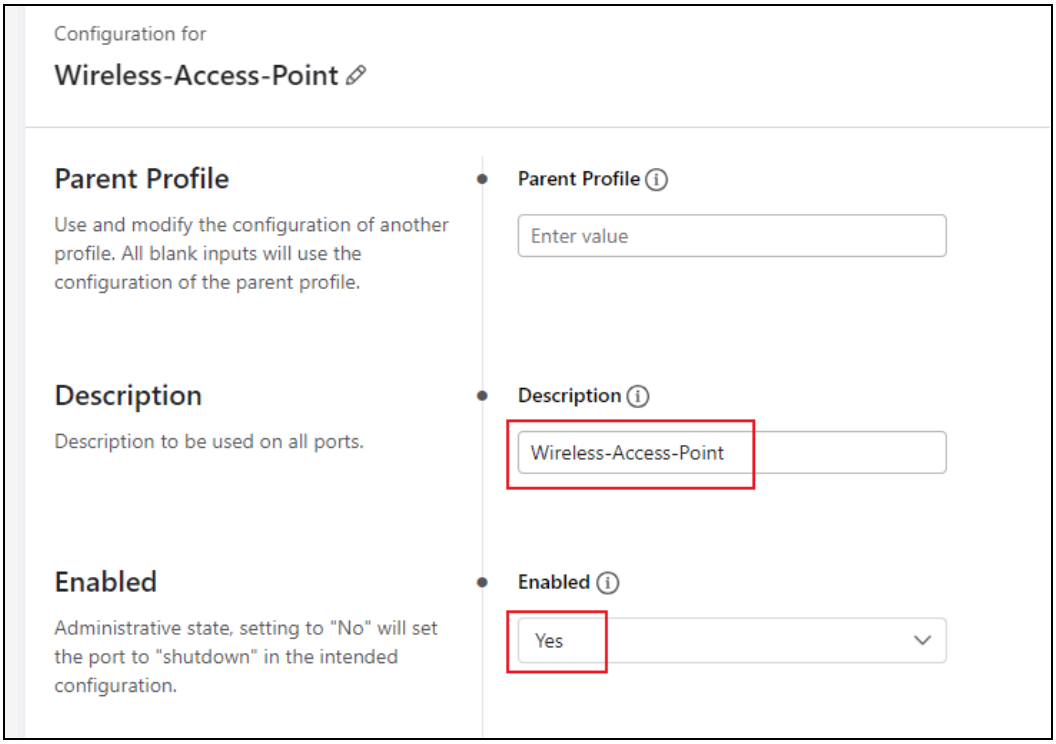
4. Create two port profiles using the **Access Interface Configuration** studio that will be used to provision connected hosts.
    a. Launch the **Access Interface Configuration**



    b. Click **Add Port Profile**, name it "**Wireless-Access-Point**", and click the arrow on the right



    c. Enter the following values on this configuration page
        i. Description: "**Wireless-Access-Point"**
        ii. Enabled: **Yes**

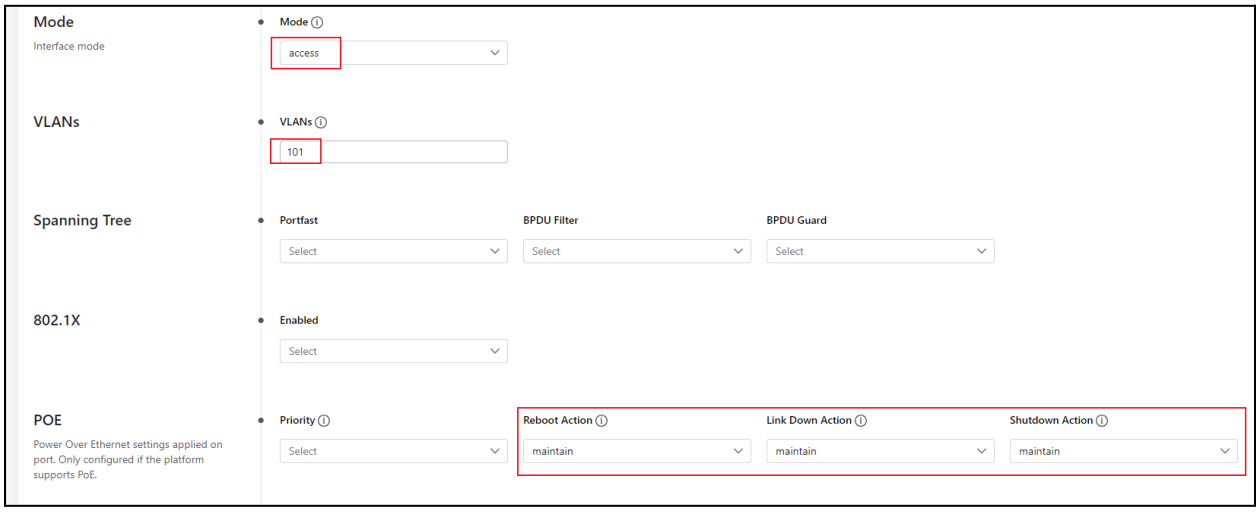


iii. Mode: **Access**

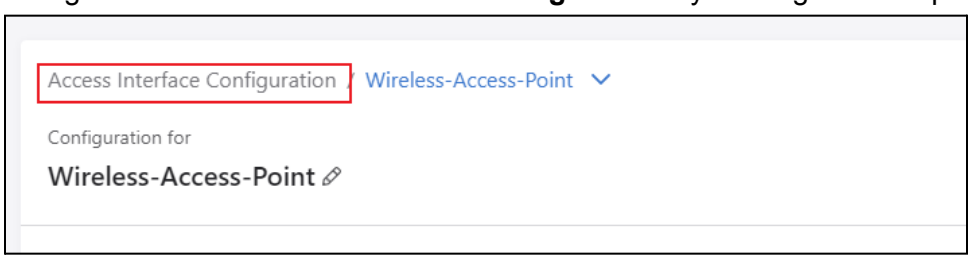
iv. VLANs: "**1##**" where **##** is a 2 digit character between 01-20 that was assigned to your lab/Pod. e.g Pod01 is VLAN101, Pod13 is VLAN113

v. POE:

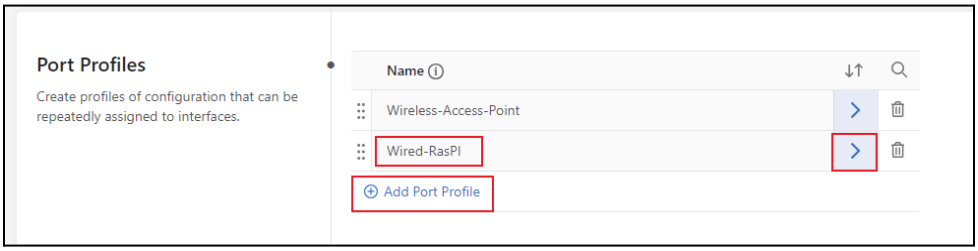
1. Reboot Action: **Maintain**
2. Link Down Action: **Maintain**
3. Shutdown Action: **Maintain**



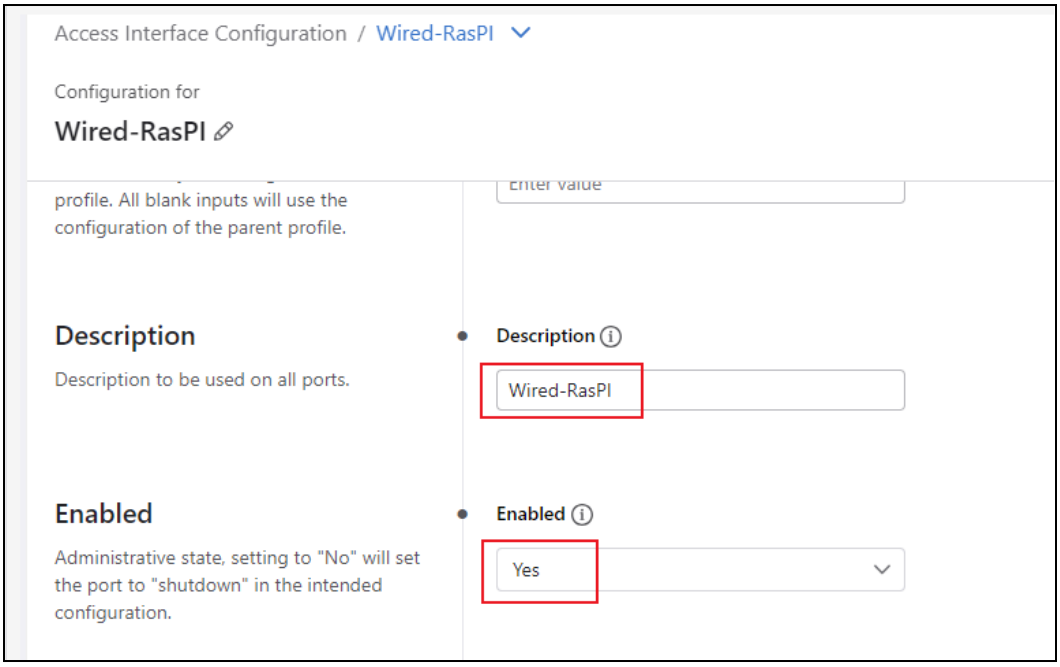
d. Navigate back to **Access interface Configuration** by clicking on the top



e. Click **Add Port Profile**, name it "**Wired-RasPI"**, and click the arrow on the right



f. Enter the following values on this configuration page
   i. Description: "**Wired-RasPI"**
   ii. Enabled: **Yes**

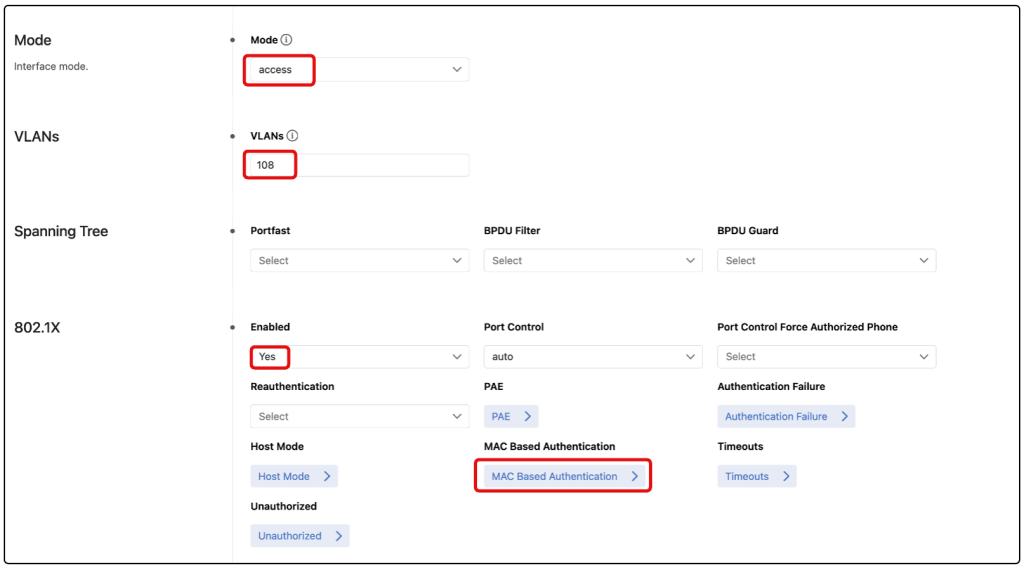


iii. Mode: **Access**

iv. VLANs: "**1##**" where **##** is a 2 digit character between 01-20 that was assigned to your lab/Pod. e.g Pod01 is VLAN101, Pod13 is VLAN113

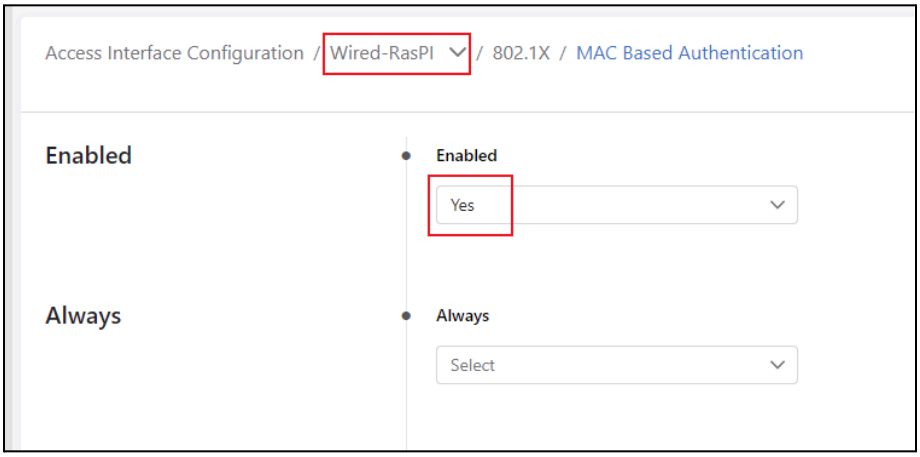
v. 802.1X: Enabled = **Yes**

vi. Click **MAC Based Authentication**



vii. Set Enabled:**Yes**

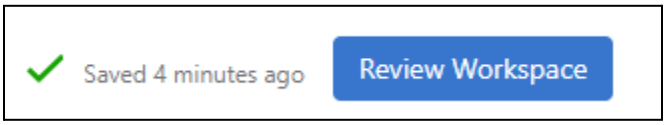
1. Navigate back to the previous page



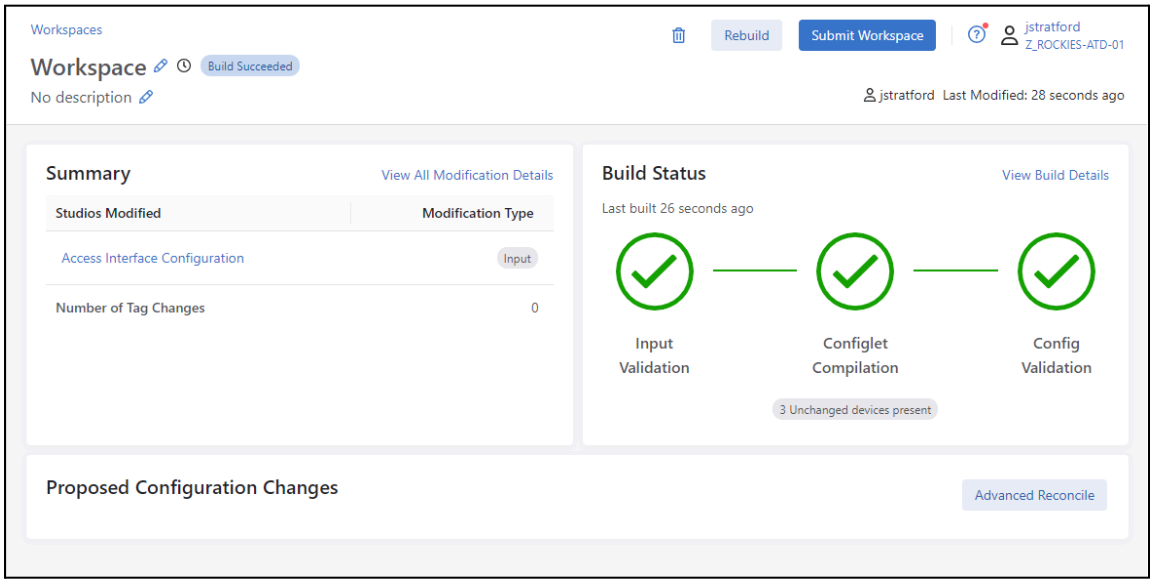
viii. **POE**:

1. Reboot Action: **Maintain**
2. Link Down Action: **Maintain**
3. Shutdown Action: **Maintain**

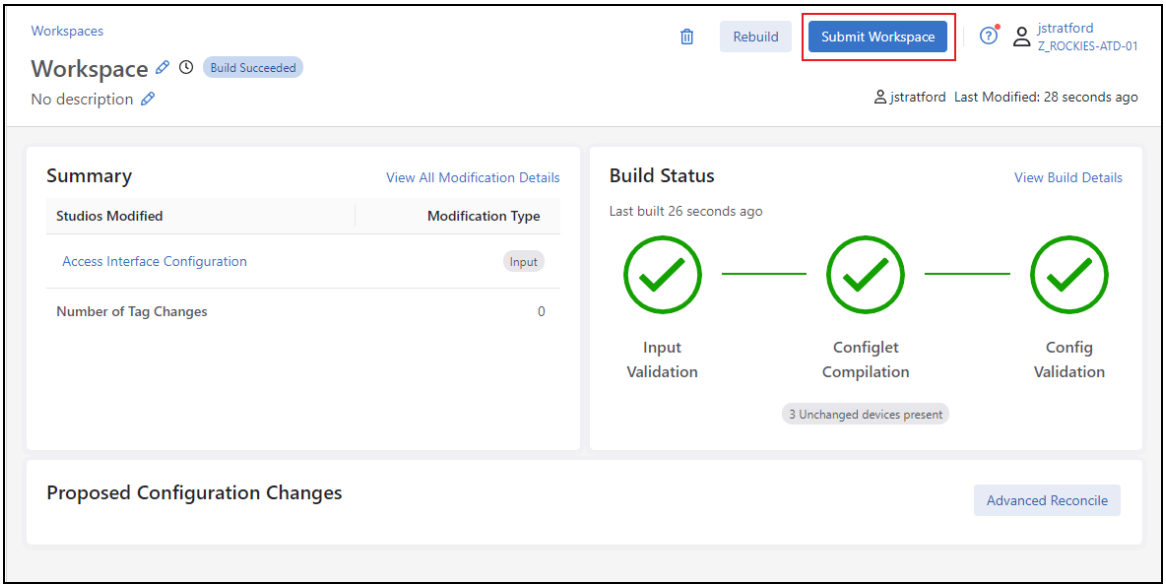
5. Review and Submit the Workspace
   i. Click **Review Workspace**



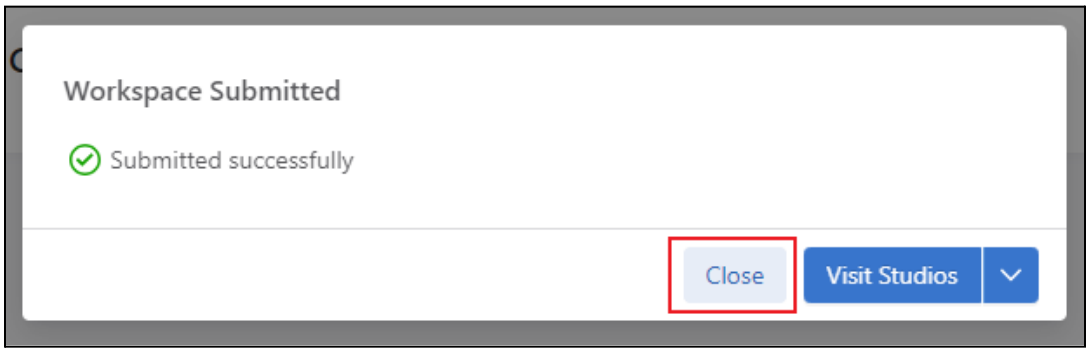
   ii. Note that none of the device configurations have been changed after submitting this workspace



   iii. Click **Submit Workspace**

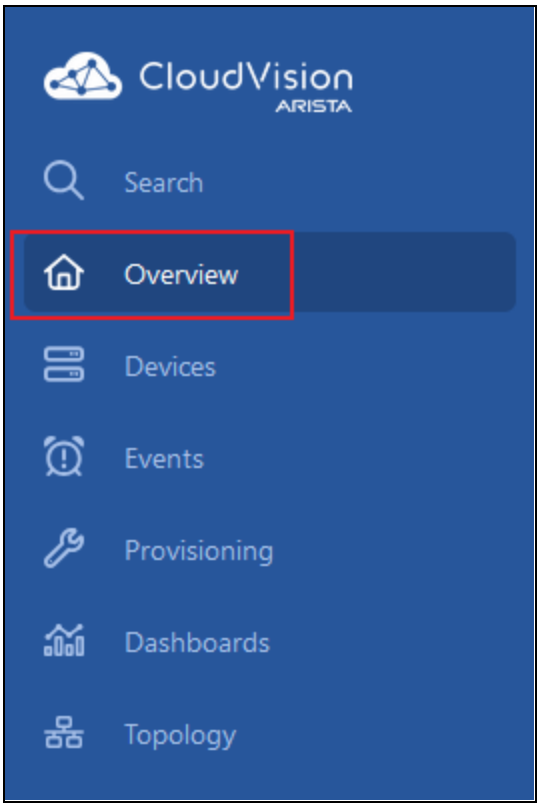


iv. Click **Close**

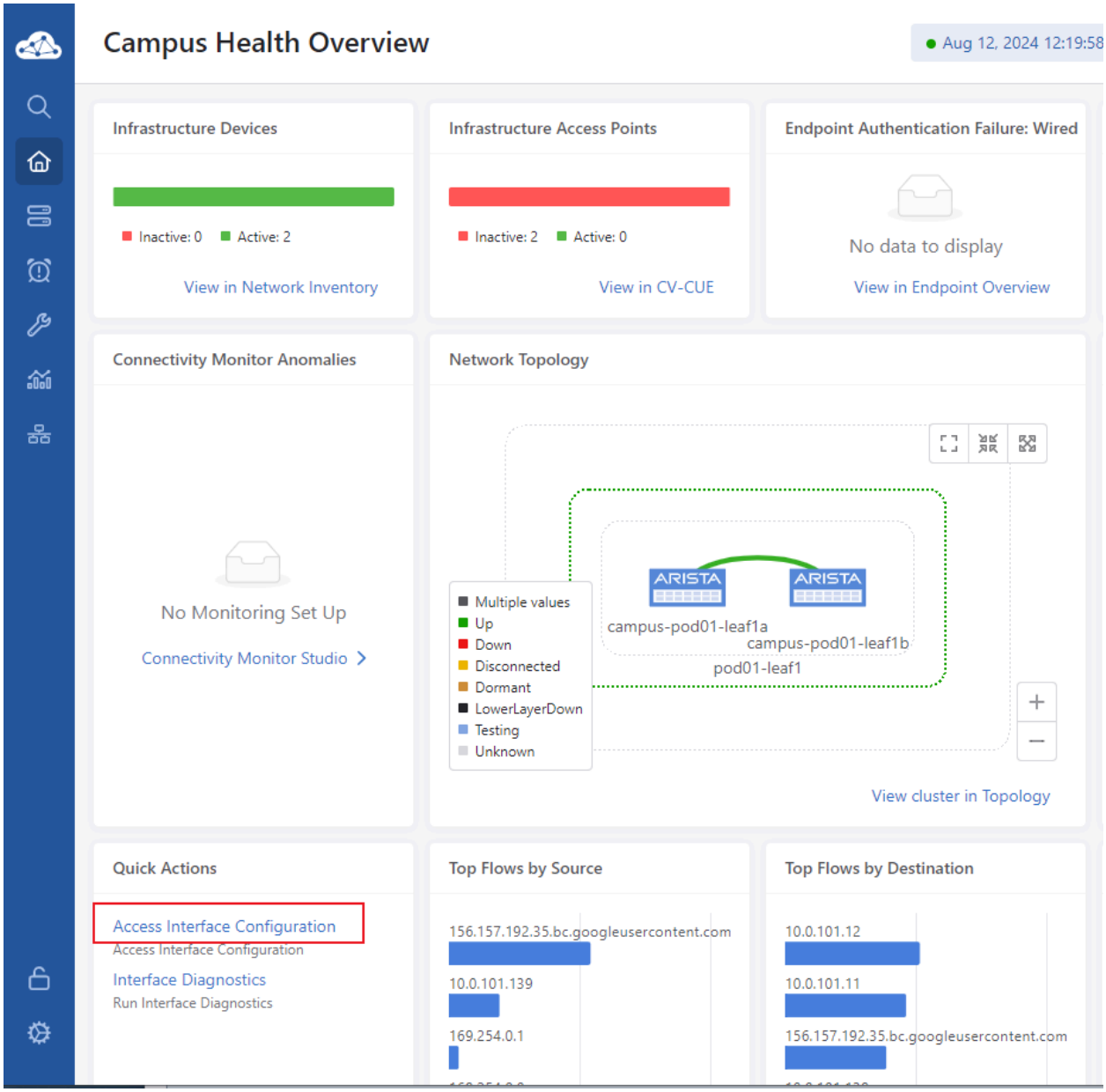


3. Assigning Port Profiles for AP and RPI

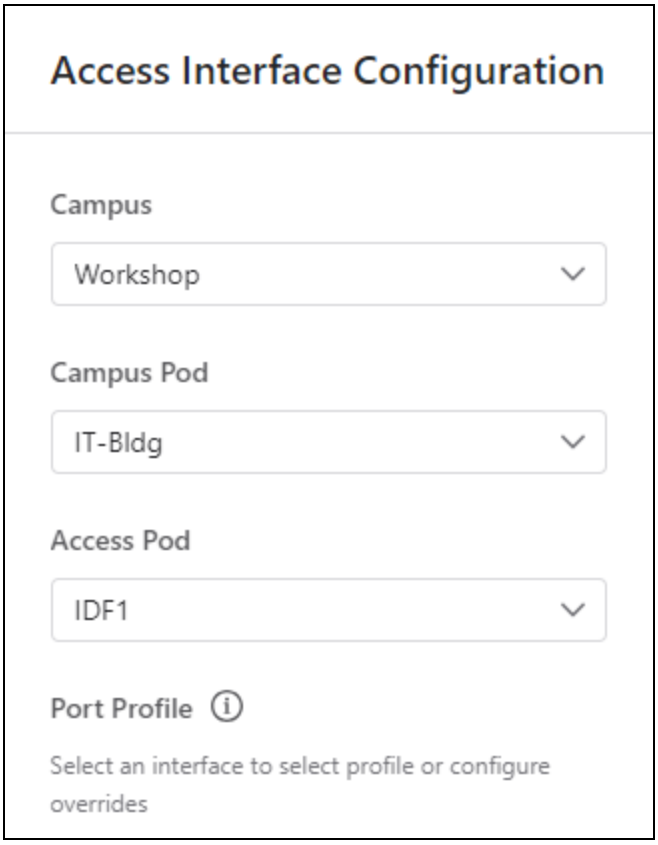
1. Assign the configured port profiles to the switches access ports
    a. Click **Overview** option on the navigation bar



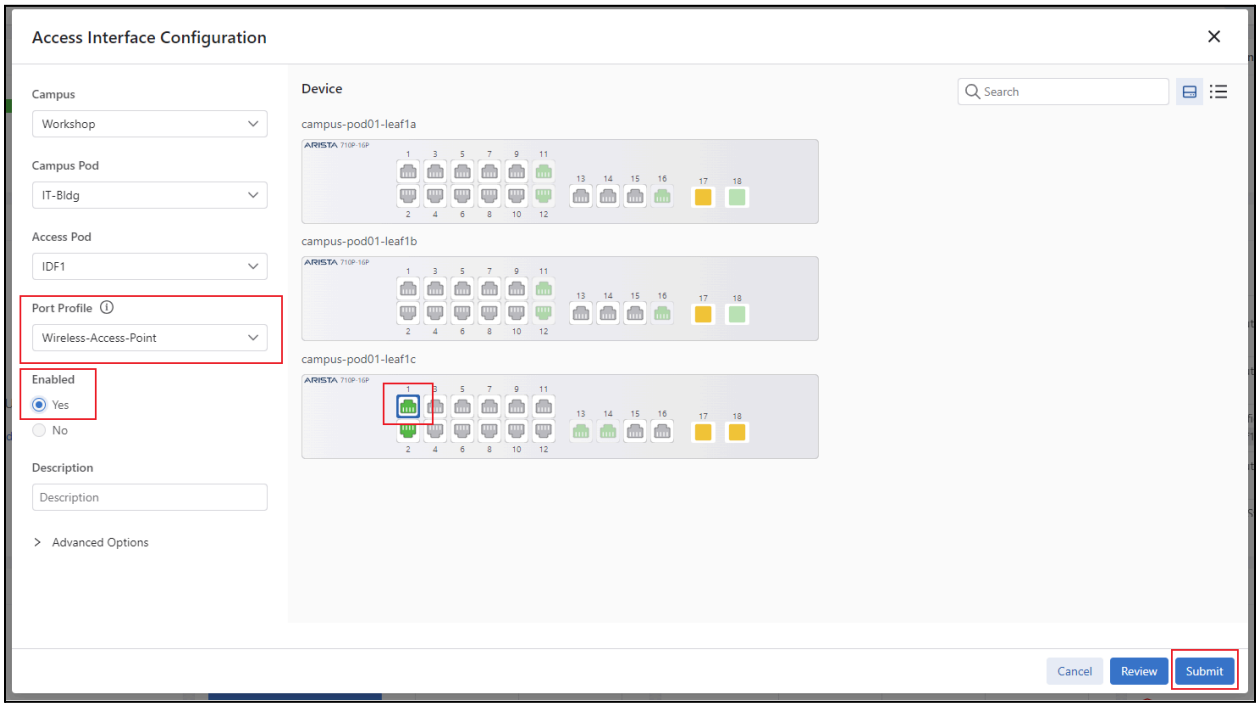
b. Locate the Quick Actions panel on the lower left of the screen and Click **Access Interface Configuration**



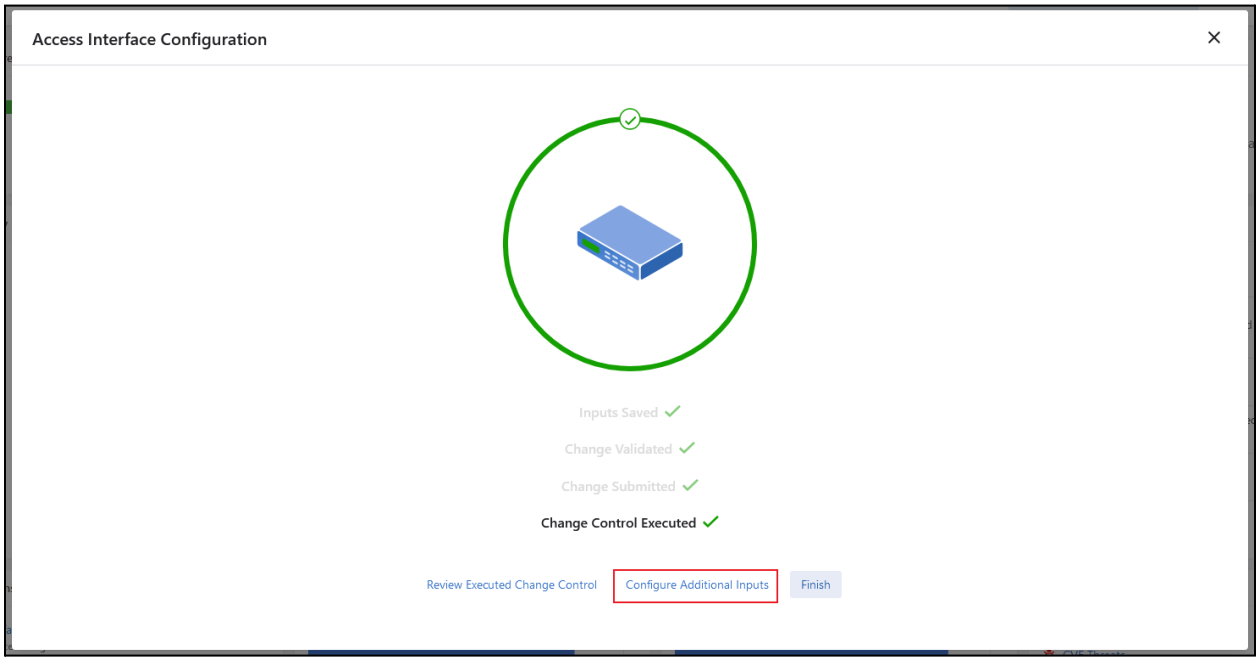
c. Select the Campus (Workshop), Campus Pod (IT-Bldg), and Access Pod(IDF1)
***Note:** there is only one option for each drop-down.



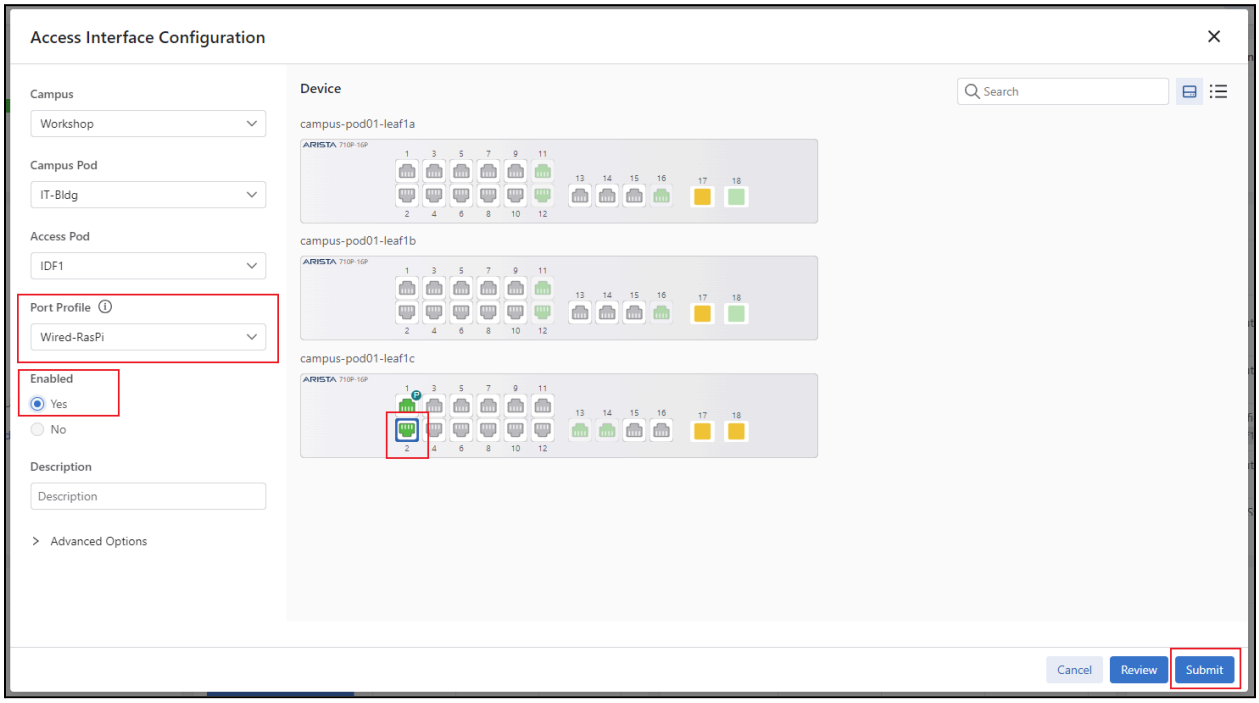
d. Select to highlight port **Ethernet1** on bottom switch: campus-pod<##>-leaf1c
   ***Note:** you will may see the bottom device with a hostname format: sw-<IP> Example: sw-10.0.113.40*
e. Choose the Port Profile of **Wireless-Access-Point**
f. Click **Yes** radio button under **Enabled**
g. Click **Submit**



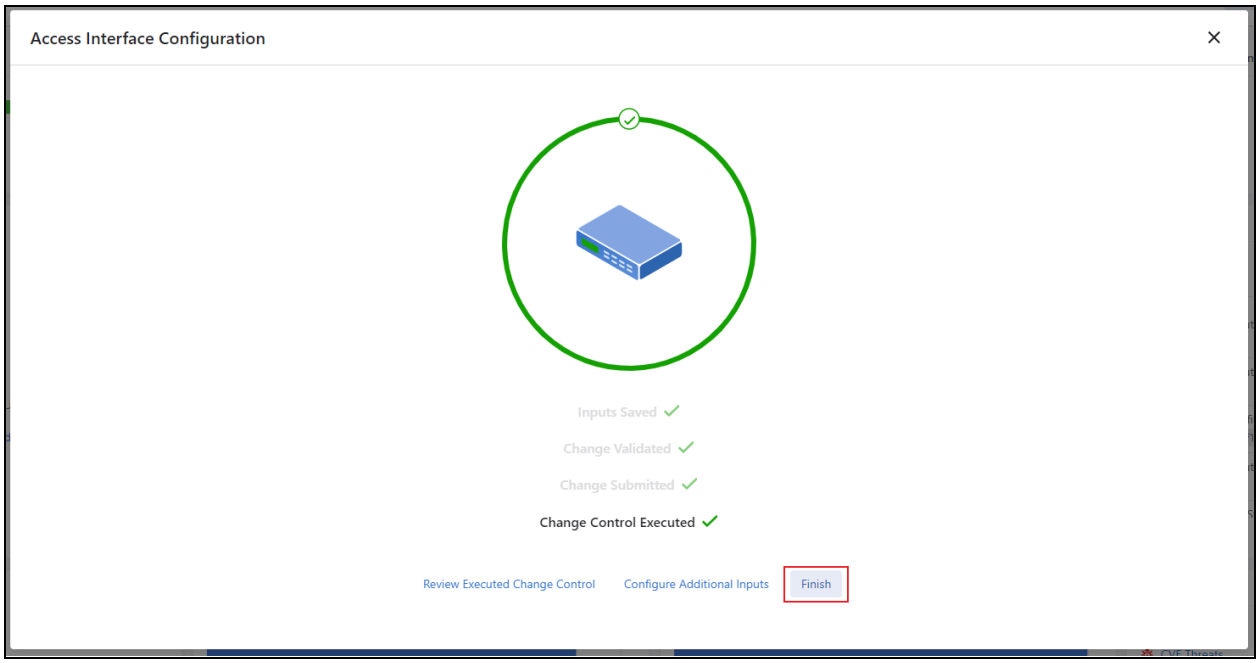
h. Once the Change Control has been executed, click **Configure Additional Inputs** to configure another access port



i. Again, select the Campus (Workshop), Campus Pod (IT-Bldg), and Access Pod(IDF1)
j. Select to highlight port **Ethernet2** on campus-pod<##>-leaf1c (hostname may not match)
k. Choose the Port Profile of "**Wired-RasPI**"
l. Click **Yes** radio button under **Enabled**
m. Click **Submit**



n. Once the Change Control has been executed, click **Finish**



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