#### **EXTREME NETWORKS**

# Onboard Mgmt CLIP XIQ-SE workflow

Ludovico Stevens

Technical Marketing Engineering

September 2022



#### Onboard Mgmt CLIP XIQ-SE workflow

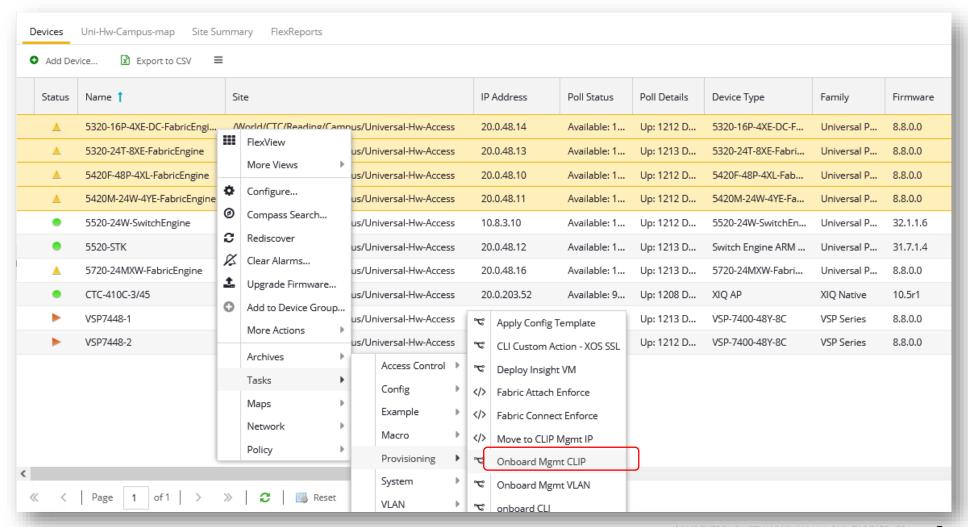


- Workflow to onboard a VOSS/Fabric Engine switch onto a dedicated switch mgmt CLIP
- Mgmt CLIP extracted from CSV file previously placed on XIQ-SE
- Ability to change the switch sysname (SNMP and ISIS) at the same time
- Ability to set the auto-sense ISIS Hello authentication key during the IP mgmt change
- Ability to re-add the device into a different XIQ-SE site after the mgmt VLAN IP change
- Ability to launch a follow up workflow once this workflow has finished
- Requires minimum VOSS 8.2 (for segmented mgmt support)

#### Workflow manual execution



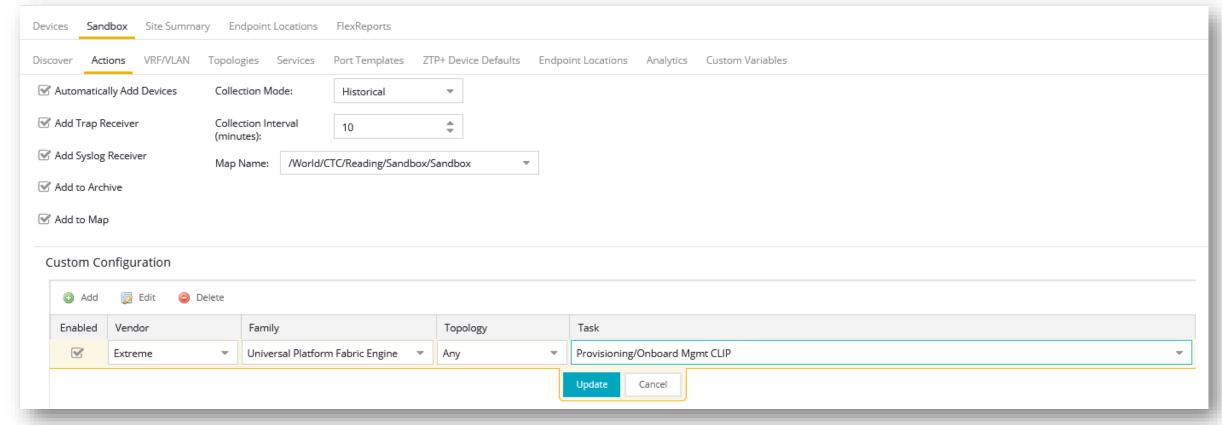
 Workflow can be manually run against 1 or many switches simultaneously



# Workflow automatic execution during onboarding



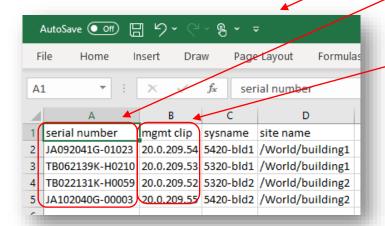
- Workflow can be automatically run after ZTP+ onboarding, under XIQ-SE Site Actions
- In this case script will always run against 1 switch only, the onboarding switch

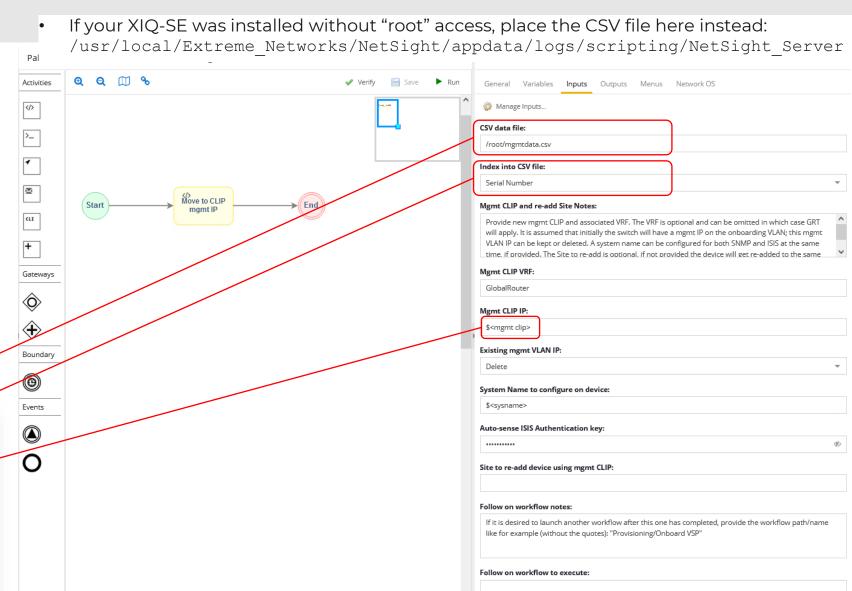


### **Onboard Mgmt CLIP XIQ-SE workflow inputs**



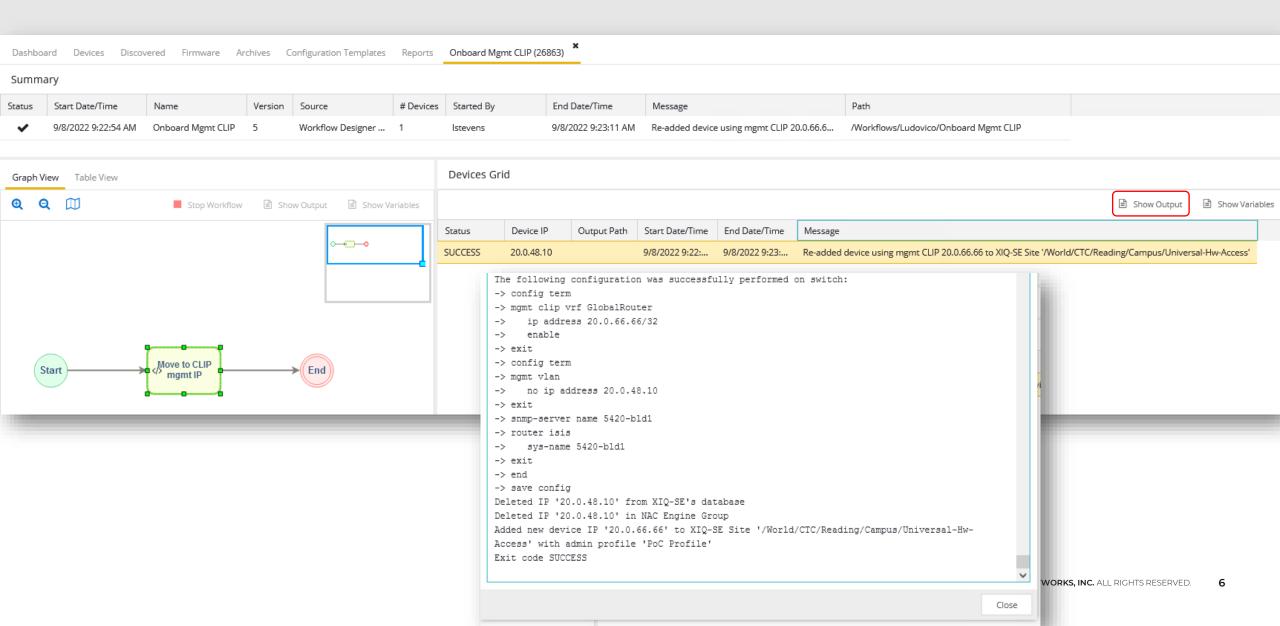
- A CSV file is uploaded to XIQ-SE beforehand
- CSV file has device data which can be device specific
- CSV data is looked up either by device initial (dhcp) IP or Serial Number or MAC Address
- CSV data can be referenced as \$<name> in workflow inputs
- Site variables can still also be referenced but as \${name}





#### Workflow execution





# Workflow tuning



- If the workflow is found to fail, because after all the changes it is unable to perform "save config" on the switch, this is because during onboarding XIQ-SE is also busy making changes and saving the config itself
  - On VOSS / Fabric Engine only 1 user at a time can perform "save config" or "show run"
- To avoid the workflow failures two variables can be set:
- const NO ERROR ON FAIL SAVE
  - If set, the workflow will still try and save the config at the end, but if unable to, the workflow will complete without any errors
- const\_AGGRESSIVE\_SAVE
  - If set, the workflow will try and save the config as before, 3 tries at 10sec intervals, but if these tries fail, all other CLI sessions will be kicked, and a final save is performed again, which will now succeed

| General Variables Inputs Outputs Menus Network OS |                  |                       |          |         |          |
|---|------------------|-----------------------|----------|---------|----------|
| O Add ▼ B Edit O Delete O Global Variables        |                  |                       |          |         |          |
| Name †  | Default<br>Value | Variable<br>Reference | Scope    | Туре    | Referenc |
| const_AGGRESSIVE_SAVE                             | false            |                       | Workflow | Boolean | false    |
| const_CSV_DELIMITER                               | ,                |                       | Workflow | String  | false    |
| const_DELAY_ISISAUTH_CHANGE                       | 60               |                       | Workflow | String  | false    |
| const_DELAY_RECONNECT                             | 10               |                       | Workflow | String  | false    |
| const_DELAY_SITE_READD                            | 20               |                       | Workflow | String  | false    |
| const_DEVICE_READD_TIMEOUT                        | 100              |                       | Workflow | String  | false    |
| const_NO_ERROR_ON_FAIL_SAVE                       | false            |                       | Workflow | Boolean | false    |
| const_PING_NEW_IP_TIMEOUT                         | 20               |                       | Workflow | String  | false    |
| const_VSP_MIN_SW_VERSION                          | 8.5.0.0          |                       | Workflow | String  | false    |



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