

EXTREME NETWORKS

Apply Config Template XIQ-SE workflow

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Apply Config Template XIQ-SE workflow



Workflow to apply an ASCII config template containing variables. Works with any device family

The embedded variables can be of three types:

- `${variableName}`: XIQ-SE Global or Site specific variables, in this preference order: local site, site parents, global
 - Selected `emc_vars` can be included by adding them to `const_EXPORT_EMC_VARS`; currently: `deviceIP`, `serverIP`, `serverName`
- `$<csvColumnKey>`: Device specific variables extracted from supplied CSV file
- `$UD1`, `$UD2`, `$UD3`, `$UD4`: Device specific values extracted from device User Data 1-4

For the CSV variables, a CSV file must be provided with the following syntax:

- First row has column labels, which need to match the `$<csvColumnKey>` variables, without the `$<>`
- Subsequent rows contain data values for every device, one row per device.
- First column contains the device lookup, either the device IP or Serial Number

ASCII config template file and the CSV file must be placed on the XIQ-SE filesystem.

Commands which generate a confirmation prompt enter as example: "no spanning-tree mstp\ny"

Workflow manual execution



- Workflow can be manually run against 1 or many switches simultaneously

Devices Sandbox ZTF Site Summary Endpoint Locations FlexReports

+ Add Device... Export to CSV

Status	Name ↑	Site	IP Address	Poll Status	Poll Details	Device Type	Family
▲	Sbox-VSP7200-1	/World/PoC/Sandb...	10.8.4.2	Available: 1...	Up: 412 Do...	VSP-7254XSQ	VSP Series
▲	Sbox-VSP7200-2	/Wo		Available: 1...	Up: 412 Do...	VSP-7254XSQ	VSP Series
▲	Sbox-VSP7200-3	/Wo		Available: 1...	Up: 411 Do...	VSP-7254XSQ	VSP Series
▲	Sbox-VSP7200-4	/Wo		Available: 1...	Up: 412 Do...	VSP-7254XSQ	VSP Series
●	X460G2-1	/Wo		Available: 1...	Up: 412 Do...	X460-G2-24t-10G4	Summit Se...

FlexView
More Views
Configure...
Compass Search...
Rediscover
Clear Alarms...
Upgrade Firmware...
Add to Device Group...
More Actions
Archives
Tasks
Maps
Network
Policy

Access Control
Config
Example
Macro
Provisioning

Apply Config Template
CLI Custom Action - XOS SSL
Delete Insight VMs
Deploy Insight VM
Fabric Attach Enforce
Fabric Connect Enforce
Move to CLIP Mgmt IP
SMLT Pair Enforce
by Marlon - Onboard VSP

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

Devices **Sandbox** Site Summary Endpoint Locations FlexReports

Discover **Actions** VRF/VLAN Topologies Services Port Templates ZTP+ Device Defaults Endpoint Locations Analytics Custom Variables

☒ Automatically Add Devices Collection Mode: Historical

☒ Add Trap Receiver Collection Interval (minutes): 10

☒ Add Syslog Receiver

☒ Add to Archive

☐ Add to Map

Custom Configuration

+ Add ✎ Edit ✖ Delete

Enabled	Vendor	Family	Topology	Task
<input checked="" type="checkbox"/>	Extreme	Universal Platform S	Any	Provisioning/Apply Config Template

Update Cancel

Workflow inputs, with CSV values



Run Workflow - Apply Config Template

Workflow Inputs

Custom Inputs

Notes:

Inputs below can be set either with absolute values or can be provided as \${<site-custom-variable>} if the workflow is to derive a site specific value for those inputs. The site of the device, and parent sites, will apply.

ASCII config template:

/root/Ludo/template.cfg

CSV data file:

/root/Ludo/variable-values.csv

Index into CSV file:

IP address

IP address

Serial Number

are not actually made. Debug: enable if you need to report a problem to the script author.

Sanity:





Debug:

*template.cfg - Notepad


File Edit Format View Help

```
link-state group 1 enable
link-state group 1 upstream interface gigabitEthernet $UD1
link-state group 1 downstream interface gigabitEthernet ${tuni port}
router vrf fabext
  ip route 0.0.0.0 0.0.0.0 $UD2 weight 10
  ip route ${tunnelDest} 255.255.255.255 $UD2 weight 10
exit
router isis
  ip-tunnel-source-address ${deviceIP} vrf fabext
  manual-area ${isis area}
exit
logical-intf isis 255 dest-ip ${tunnelDest} name ${tunnel name}
isis
  isis spbm 1
  isis spbm 1 ll-metric ${vxlan nni metric}
  isis enable
exit
filter acl 1 type inPort
filter acl port 1 ${tuni port}
filter acl ace 1 1001
filter acl ace action 1 1001 permit remark-dot1p ${macsec qos remark}
filter acl ace action 1 1001 permit count
filter acl ace action 1 1001 permit internal-qos ${macsec qos remark}
filter acl ace ethernet 1 1001 dst-mac mask 00:00:00:00:00:00 0xffffffffffff
filter acl ace 1 1001 enable
i-sid ${tuni isid} elan-transparent
  port ${tuni port}
exit
```

AutoSave Off






variable-values.csv


 Search (Alt+Q)

FileHomeInsertDrawPage LayoutFormulasDataReviewViewHelp

A1



ip

 Not set

Public

Internal

Confidential

Highly Confidential

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ip	mask	macsec nni	macsec nni metric	tuni port	tunnel dest	isis area	tunnel name	vxlan nni metric	macsec qos remark	tuni isid	macsec key	macsec parity
2	10.8.4.2	255.255.255.0	Jan-21	20	Jan-22	10.10.10.10	47 DC1		10		4 15000001	1234567890	odd
3	10.8.4.3	255.255.255.0	Jan-21	20	Jan-22	10.10.10.20	47 DC2		10		4 15000002	1234567890	odd
4	10.8.4.4	255.255.255.0	Jan-21	20	Jan-22	10.10.10.10	47 DC1		10		4 15000003	1234567890	odd
5	10.8.4.5	255.255.255.0	Jan-21	20	Jan-22	10.10.10.20	47 DC2		10		4 15000004	1234567890	odd

- If your XIQ-SE was installed without “root” access, place the CSV file here instead:
/usr/local/Extreme_Networks/NetSight/appdata/logs/scripting/NetSight_Server

Workflow, path variables



- Available path variables: **%rootDir%**, **%sitePath%**, **%siteName%**
 - %rootDir% by default is /root/; can be changed via workflow variable const_ROOT_PATH_VAR
 - %sitePath% and %siteName% are set based on site path of device; e.g. if device is in "/World/CTC-Reading/VSP Sandbox" then %sitePath% = "World/CTC-Reading" and %siteName% = "VSP Sandbox"
- Can use these to have different CSV & template files per site

Workflow, site variables

- Template can also take \${var} variables
- Values for these variables are looked up in the Site Custom variables, in this preference order:
 - Site of device
 - Parent Site of device
 - Parent sites up to Root site
 - Global variable

```
*template.cfg - Notepad
File Edit Format View Help
link-state group 1 enable
link-state group 1 upstream interface gigabitEthernet $UD1
link-state group 1 downstream interface gigabitEthernet $<tuni port>
router vrf fabext
  ip route 0.0.0.0 0.0.0.0 $UD2 weight 10
  ip route ${tunnelDest} 255.255.255.255 $UD2 weight 10
exit
router isis
  ip-tunnel-source-address ${deviceIP} vrf fabext
  manual-area $<isis area>
exit
logical-intf isis 255 dest-ip ${tunnelDest} name $<tunnel name>
  isis
  isis spbm 1
  isis spbm 1 ll-metric $<vxlan nni metric>
  isis enable
exit
filter acl 1 type inPort
filter acl port 1 $<tuni port>
filter acl ace 1 1001
filter acl ace action 1 1001 permit remark-dot1p $<macsec qos remark>
filter acl ace action 1 1001 permit count
filter acl ace action 1 1001 permit internal-qos $<macsec qos remark>
filter acl ace ethernet 1 1001 dst-mac mask 00:00:00:00:00:00 0xffffffffffff
  ace 1 1001 enable
  ni isid> elan-transparent
tuni port>
```

Devices Sandbox ZTF Site Summary Endpoint Locations FlexReports					
Discover Actions VRF/VLAN Topologies Services Port Templates ZTP+ Device Defaults Endpoint Locations Analytics Custom Variables					
Add Edit Delete					
Scope		Variable			
Category	Site ↓	Type	Name	Type	Value
Site	/World/PoC/Sandbox ZTF		locationGroup	String	PhysicalSandbox
Site	/World/PoC/Sandbox ZTF		dataIsid	String	0
Site	/World/PoC/Sandbox ZTF		tunnelDest	String	20.120.10.20
Site	/World/PoC/Sandbox ZTF		dataVlan	String	0
Site	Global		Auto Sync VLANs in...	String	Done
Site	Global		nacEnable	String	enable
Site	Global		locationGroup	String	0

Workflow, emc_vars as variables

- Selected emc_vars can also be fed into the same \${var} space, by adding them to workflow variable const_EXPORT_EMCC_VARS

The screenshot shows a workflow editor interface. The main workspace displays a workflow titled "/Workflows/Ludovico/Apply Config Template". The workflow consists of a "Start" node, followed by an "Apply Config Template" node, and ending with a "Signal - Config Applied" node. The "Apply Config Template" node is highlighted with a blue box. To the right of the workflow is a "Details" panel with tabs for "General", "Variables", "Inputs", "Outputs", "Menus", and "Network OS". The "Variables" tab is active, showing a table of variables. The table has two columns: "Name" and "Default Value". The variable "const_EXPORT_EMCC_VARS" is highlighted with a red box, and its default value is ["deviceIP", "deviceName", "deviceSysOid", "deviceType", "family", "ports", "serverIP", "serverName"], also highlighted with a red box. Other variables listed include "const_CSV_DELIMITER", "devices", "input_configFile", "input_csvFile", and "input_csvKey".

Name	Default Value
const_CSV_DELIMITER	,
const_EXPORT_EMCC_VARS	["deviceIP", "deviceName", "deviceSysOid", "deviceType", "family", "ports", "serverIP", "serverName"]
devices	
input_configFile	
input_csvFile	
input_csvKey	

```
*template.cfg - Notepad
File Edit Format View Help
link-state group 1 enable
link-state group 1 upstream interface gigabitEthernet $UD1
link-state group 1 downstream interface gigabitEthernet $<tuni port>
router vrf fabext
  ip route 0.0.0.0 0.0.0.0 $UD2 weight 10
  ip route ${tunnelDest} 255.255.255.255 $UD2 weight 10
exit
router isis
  ip-tunnel-source-address ${deviceIP} vrf fabext
  manual-area $<isis area>
exit
logical-intf isis 255 dest-ip ${tunnelDest} name $<tunnel name>
  isis
  isis spbm 1
  isis spbm 1 ll-metric $<vxlan nni metric>
  isis enable
exit
filter acl 1 type inPort
filter acl port 1 $<tuni port>
filter acl ace 1 1001
filter acl ace action 1 1001 permit remark-dot1p $<macsec qos remark>
filter acl ace action 1 1001 permit count
filter acl ace action 1 1001 permit internal-qos $<macsec qos remark>
filter acl ace ethernet 1 1001 dst-mac mask 00:00:00:00:00:00 0xffffffffffff
filter acl ace 1 1001 enable
i-sid $<tuni isid> elan-transparent
  port $<tuni port>
exit
```


Workflow, UserData1-4 variables

- Values unique to each device can also be fetched from the device UserData1-4 fields
- Only value after “=” is used

The screenshot shows the 'Configure Device' interface. On the left, a table lists devices with columns for Status, Name, and Site. The device 'Sbox-VSP7200-2' is selected. The main form on the right has tabs for Device, Device Annotation, VRF Definitions, VLAN Definitions, CLIP Addresses, Topology, and Services. The 'Device Annotation' tab is active, showing fields for Nickname, Asset Tag, and four User Data fields. The 'User Data 1' field contains 'wan port = 1/1' and the 'User Data 2' field contains 'wan router = 192.168.255.123'. Both fields are highlighted with red boxes.

Device ID	System Name	Device Nickname	Device Type
10.8.4.3	Sbox-VSP7200-2	Sbox-VSP7200-2	VSP-7254XSQ

Device: Sbox-VSP7200-2

Nickname: Sbox-VSP7200-2

Asset Tag:

User Data 1: wan port = 1/1

User Data 2: wan router = 192.168.255.123

User Data 3:

User Data 4:

Note:

```
*template.cfg - Notepad
File Edit Format View Help
link-state group 1 enable
link-state group 1 upstream interface gigabitEthernet $UD1
link-state group 1 downstream interface gigabitEthernet ${tuni port}
router vrf fabext
  ip route 0.0.0.0 0.0.0.0 $UD2 weight 10
  ip route ${tunnelDest} 255.255.255.255 $UD2 weight 10
exit
router isis
  ip-tunnel-source-address ${deviceIP} vrf fabext
  manual-area ${isis area}
exit
logical-intf isis 255 dest-ip ${tunnelDest} name ${tunnel name}
  isis
  isis spbm 1
  isis spbm 1 ll-metric ${vxlan nni metric}
  isis enable
exit
filter acl 1 type inPort
filter acl port 1 ${tuni port}
filter acl ace 1 1001
filter acl ace action 1 1001 permit remark-dot1p ${macsec qos remark}
filter acl ace action 1 1001 permit count
filter acl ace action 1 1001 permit internal-qos ${macsec qos remark}
filter acl ace ethernet 1 1001 dst-mac mask 00:00:00:00:00:00 0xffffffffffff
filter acl ace 1 1001 enable
i-sid ${tuni isid} elan-transparent
  port ${tuni port}
exit
```

Comparison of template variables



- Site variables `${var}`: Useful to apply same values to all devices in same XIQ-SE Site. Or to apply same values to all devices in same sub-Sites
- CSV variables `$<var>`: Useful to provide device specific values
- UserData variables `$UD1-4`: Useful to provide device specific values, but for values obtained dynamically from the device itself (by another workflow or activity) and then make these available in this Apply Config Template workflow
- Emc_vars `${deviceIP}`: Useful to feed some of these values into the same space as Site variables

CSV “peer:” values



- In the example shown, assume that the workflow is run against switch with S/N 2128Q-40044
- Variable `$<sysID>` will thus resolve to 02bb.7400.0200
- Cell A1 in the CSV, normally is just a label of the lookup index to the CSV values (serial number here). But it can be augmented with “:<other CSV variable>” (“:smltVirtBmac” here)
- When the CSV is parsed it will now not only return all values for the lookup serial number (2128Q-40044) but will also inspect the values of smltVirtBmac and if another entry in the CSV has the same value for smltVirtBmac then all CSV variables for that other entry will also become available in the config template as `$<peer:var>`. Hence `$<peer:sysID>` will resolve to 02bb.7400.0300
- The expectation is that only 2 entries in the CSV file will have the same value for the selected smltVirtBmac column; if more than 2 are found CSV parsing will halt with an error

```
act-template.txt
File Edit View

#block start
no router isis enable\ny
router isis
  system-id $<sysID>
  spbm 1 smlt-peer-system-id $<peer:sysID>
  spbm 1 smlt-virtual-bmac $<smltVirtBmac>
exit
vlan create 4000 name "IST-VLAN" type port-mstprstp 0
vlan i-sid 4000 $<ist isid>
interface Vlan 4000
  #if(int($<sysID>.replace(".", ""), 16) < int($<peer:sysID>.replace(".", ""), 16))
  ip address 192.168.255.1 255.255.255.252
  exit
  virtual-ist peer-ip 192.168.255.2 vlan 4000
  #else
  ip address 192.168.255.2 255.255.255.252
  exit
  virtual-ist peer-ip 192.168.255.1 vlan 4000
#end
router isis enable
#block execute 60
```

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	serial number:smltVirtBmac	mgmt vlanid	mgmt isid	mgmt ip	mgmt clip	mgmt mask	mgmt gateway	sysname	site name	comments	next workflow	sysID	smltVirtBmac	ist isid
1	2128Q-40044	129	2102901	10.129.0.72		255.255.255.0	10.129.0.1	Sbox-VSP7400-2		Kevin	Provisioning/Apply Config Template	02bb.7400.0200	02:bb:74:00:02:ff	15000001
2	2128Q-40009	129	2102901	10.129.0.73		255.255.255.0	10.129.0.1	Sbox-VSP7400-3		Stuart	Provisioning/Apply Config Template	02bb.7400.0300	02:bb:74:00:02:ff	15000001
3	1916Q-20031	129	2102901	10.129.0.74		255.255.255.0	10.129.0.1	Sbox-VSP7400-4		Gru	Provisioning/Apply Config Template	02bb.7400.0400		

Cisco velocity type statements: #if/#elseif/#else/#end



- The template file can also include **#if/#elseif/#else/#end** statement blocks
- To match Cisco velocity type statements
- The conditional string, inside “(“”)” will be evaluated using Python’s eval() function, so any valid Python expression may be used
- Any of CSV variables [\$<var>], Site variables [{var}] or UserData variables [\$UD1-4] can be inserted inside the conditional string, but they will always be evaluated as String values.
- For instance, to evaluate an integer value, insert the variable inside Python’s int() method like this:
 - #if (int(\$<myvar>) > 10)

```
template2.cfg - Notepad
File Edit Format View Help
config terminal
interface GigabitEthernet $<myport>
#if($<myport> == "1/1")
    name "first port"
#elseif($<myport> == "1/24")
    name "middle port"
#else
    name "last port"
#end
exit
```

```
template3.cfg - Notepad
File Edit Format View Help
config terminal

#if(${deviceType} == '5320-16P-4XE-DC-FabricEngine')
    interface gigabitEthernet 1/1-1/16
#elseif(${deviceType} == '5320-24T-8XE-FabricEngine')
    interface gigabitEthernet 1/1-1/24
#end

no auto-sense enable
exit
end
```

Error mode: #error fail|stop|continue



- The template file can also include **#error fail|stop|continue** statement
- Determines the behaviour if a command in the template errors when executed on the switch
 - **fail**: workflow aborts immediately with an error
 - **stop**: no further commands from the template are executed, the workflow continues and does not fail
 - **continue**: execution of template commands continues even if commands error
- The default behaviour is **fail**

```
template.cfg - Notepad
File Edit Format View Help
config terminal
link-state group 1 enable
link-state group 1 upstream interface gigabitEthernet $UD1
link-state group 1 downstream interface gigabitEthernet $<tuni port>
#error continue
macsec connectivity-association macsec-profile connectivity-association-key $<macsec key> key-parity $<macsec parity>
#error stop
interface GigabitEthernet $<macsec nni>
    macsec connectivity-association macsec-profile
    macsec encryption enable
    macsec enable
exit
#error fail
filter acl 1 type inPort
filter acl port 1 $<tuni port>
filter acl ace 1 1001
filter acl ace action 1 1001 permit remark-dot1p $<macsec qos remark>
filter acl ace action 1 1001 permit count
filter acl ace action 1 1001 permit internal-qos $<macsec qos remark>
filter acl ace ethernet 1 1001 dst-mac mask 00:00:00:00:00:00 0xffffffffffff
filter acl ace 1 1001 enable
end
Ln 22, Col 1 100% Windows (CRLF) UTF-8
```

Embedded eval: #eval



- Any config line can contain an eval statement:
#eval ()
- The string, inside “(“ ”)” will be evaluated using Python’s eval() function and the result converted to string (str)
- In the example the value of \$<cluster-id> is converted to a 2-digit hex number

```
act-template.txt
File Edit View

#block start
no router isis enable\ny
router isis
  system-id $<sysID>
  spbm 1 smlt-peer-system-id $<peer:sysID>
  spbm 1 smlt-virtual-bmac 02:bb:ff:#eval(format(int($<cluster-id>), '02x')):00:ff
exit
vlan create 4000 name "IST-VLAN" type port-mstprstp 0
vlan i-sid 4000 $<ist isid>
interface Vlan 4000
#if(int($<sysID>.replace(".", ""), 16) < int($<peer:sysID>.replace(".", ""), 16))
  ip address 192.168.255.1 255.255.255.252
  exit
  virtual-ist peer-ip 192.168.255.2 vlan 4000
#else
  ip address 192.168.255.2 255.255.255.252
  exit
  virtual-ist peer-ip 192.168.255.1 vlan 4000
#end
router isis enable
#block execute 60

#if("7400-48Y" in "VSP-7400-48Y-8C")
mlt 1
mlt 1 member 1/1
interface mlt 1
  smlt
  fa
  fa enable
  flex-uni enable
exit
```

Commands which require Y/N confirmation prompt on device



- Some commands require “y” confirmation on certain devices (VOSS/ERS)
- To push such commands via the template, append “\ny” to those commands, as shown
- On EXOS the workflow will automatically “disable cli prompting” so this is not necessary

A screenshot of a Notepad window titled 'template.txt - Notepad'. The window contains a network configuration template. The text is as follows:

```
File Edit Format View Help
config term
interface gigabitEthernet 1/1-1/48
    no spanning-tree mstp\ny
exit
end
|
```

The text '\ny' is highlighted in yellow.

Commands which prompt for interactive input on device



- Some commands which set passwords, prompt the user interactively to enter such passwords, sometimes twice
- To push such commands via the template, append the data (passwords) in the same sequence as they would be requested, separated by "//"
- The following example shows how this can be done for "config" which then prompts for:
 - Configuring from terminal or network [terminal]?
To which, "term" will be fed
- The example also shows how to create an SNMPv3 privAuth user which will ask for both the priv password and auth password twice each

A screenshot of a Notepad window titled "template.txt - Notepad". The window contains a configuration template for an SNMPv3 user. The text is as follows:

```
File Edit Format View Help
config // term
snmp-server user snmpuser1 group "snmprw" sha aes // snmpauthcred // snmpauthcred // snmpprivcred // snmpprivcred
end
```


Commands which need to be sourced locally on the switch



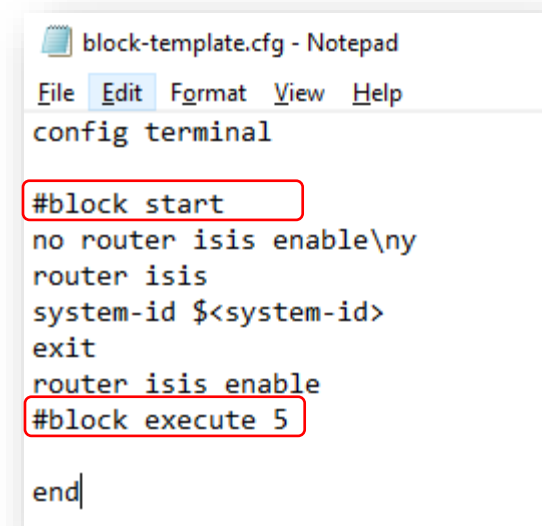
- There may be situations where a bunch of commands need to be executed directly by the switch itself, like for configuration that would otherwise make the switch temporarily unreachable to XIQ-SE, e.g. shutting down ISIS, in order to change the fabric IDs
 - The commands are packed into a text file, which is TFTP downloaded to the switch and executed locally using the source command
 - On successful completion the file is removed from the switch, and the TFTP boot flag is disabled, if it was disabled to start with
- Of course this is risky; the commands need to be validated to ensure that XIQ-SE connectivity will be restored at the end of the block sequence
- Note this functionality will only work with VOSS/FabricEngine, EXOS/SwitchEngine and BOSS/ERS
- Note that this will not work with VOSS/FabricEngine “no ssh”, as that command will kill the SSH session right away and nothing will get sourced locally
- Other velocity type statements (#if/#elseif/#else/#end/#error..) cannot be used inside the #block statements; but variables can be used
- Syntax:

#block start [n] : Mark the beginning of a block of commands which will need to be sourced locally on the switch.

[n] = Optional number of seconds to sleep after block execution

#block execute [n]: Mark the end of block of commands which are to be sourced locally on the switch. If this directive is not seen, and the “#block start” was seen, all commands from the start of block section to the last command in the template file will be sourced locally on the switch.

[n] = Optional number of seconds to sleep after block execution



```
block-template.cfg - Notepad
File Edit Format View Help
config terminal

#block start
no router isis enable\n
router isis
system-id $<system-id>
exit
router isis enable
#block execute 5

end
```

Workflow execution



Workflow Dashboard Scheduled Tasks Saved Tasks Scripts Workflows Apply Config Template (26110) x

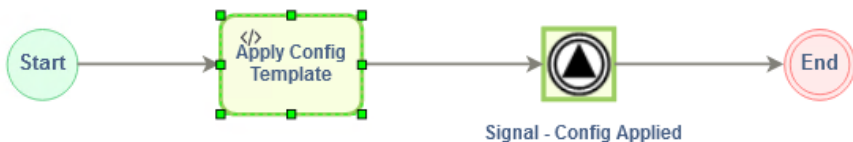
Summary

Status	Start Date/Time	Name	Version	Source	# Devices	Started By	End Date/Time	Message	Path
✓	7/18/2022 2:11:04 ...	Apply Config Templ...	32	Workflow Designer ...	4	Istevens	7/18/2022 2:11:09 ...	Applied Config Template on devices 10.8.4.5...	/Workflows/Ludovico/Apply Config Template

Graph View Table View



Stop Workflow Show Output Show Variables



Devices Grid

Show Output

Status	Device IP	Output Path	Start Date/Time	End Date/Time	Message
SUCCESS	10.8.4.5		7/18/2022 2:1...	7/18/2022 2:1...	Applied Co...
SUCCESS	10.8.4.3		7/18/2022 2:1...	7/18/2022 2:1...	Applied Co...
SUCCESS	10.8.4.4		7/18/2022 2:1...	7/18/2022 2:1...	Applied Co...
SUCCESS	10.8.4.2		7/18/2022 2:1...	7/18/2022 2:1...	Applied Co...

Workflow execution



Workflow Dashboard Scheduled Tasks Saved Tasks Scripts V

Summary

Status	Start Date/Time	Name	Version	So
✓	7/18/2022 2:11:04 ...	Apply Config Templ...	32	Wi

Graph View Table View

🔍 🔍 📖

```
graph LR; Start((Start)) --> Apply[Apply Config Template]; Apply --> Signal[Signal - C];
```

Output - 10.8.4.5

Script Name: Apply Config Template_Apply_Config_Template
Date and Time: 2022-07-18T14:11:04.670
XIQ-SE User: lstevens
XIQ-SE User Domain:
IP: 10.8.4.5
Workflow version 32 on XIQ-SE/XMC version 22.6.10.70
Activity: ApplyConfigTemplate
Using family type 'VSP Series' for this script

Input Data:

- Selected Switch IP = 10.8.4.5
- Input Config Template file = /root/Ludo/template.cfg
- Input CSV file = /root/Ludo/variable-values.csv
- Key to CSV data = IP address

Retained device 10.8.4.5 Site Variables:

```
{
  "Auto Sync VLANs in progress": "Done",
  "__PATH__": "/World/PoC/Sandbox ZTF",
  "core1": "",
  "core2": "",
  "dataIsid": "",
  "dataVlan": "",
  "deviceIP": "10.8.4.5",
```

Show Output

Start Date/Time	End Date/Time	Message
7/18/2022 2:11:04 ...	7/18/2022 2:11:04 ...	Applied Co...
7/18/2022 2:11:04 ...	7/18/2022 2:11:04 ...	Applied Co...
7/18/2022 2:11:04 ...	7/18/2022 2:11:04 ...	Applied Co...
7/18/2022 2:11:04 ...	7/18/2022 2:11:04 ...	Applied Co...

Close

Workflow Event signal



Alarms Alarm Configuration Events Event Configuration							
<div><div> All</div><div>Type: Console View</div><div> Export to CSV</div></div>							
Date/Time	Source	Subcomponent	Client	User	Type	Event	Information
1/18/2022 3:07:37 PM	[10.8.4.5, 10.8.4.3, 10....	Workflow: Apply Config Template	---	Istevens	Event	Configuration Template /root/Ludo/template.cfg applied	Configuration Template /root/Ludo/template.cfg applied to device [10.8.4.5, 10.8.4.3, 10.8.4.4, 10.8.4.2]

