XMC 8.5 Workshop
Workflow Manager & Python Scripting

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Extreme

Agenda

first day

1. Python basics
2. XMC Python implementation
3. XMC Workflow Manager
4. using GitHUB

second day

5. XMC Northbound Interface
6. XMC Advanced coding
7. using Python IDEs

create a SPB Fabric & SMLT

EXOS switch onboarding

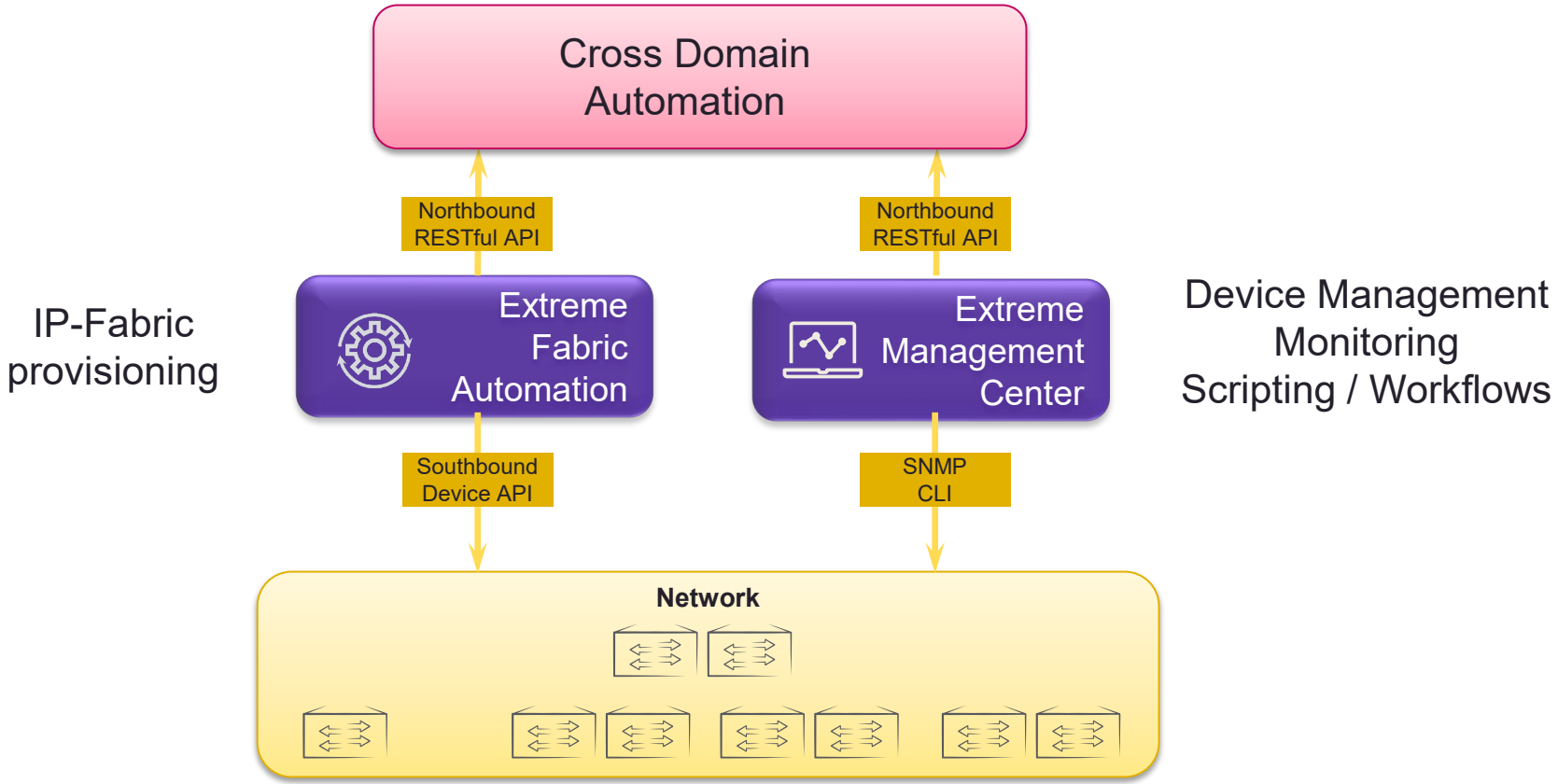
create L2VSN across the Fabric

learning unknown MAC

Alarm trigger collect tech support

using NBI from external

Extreme Networks Automation offer



Automation considerations

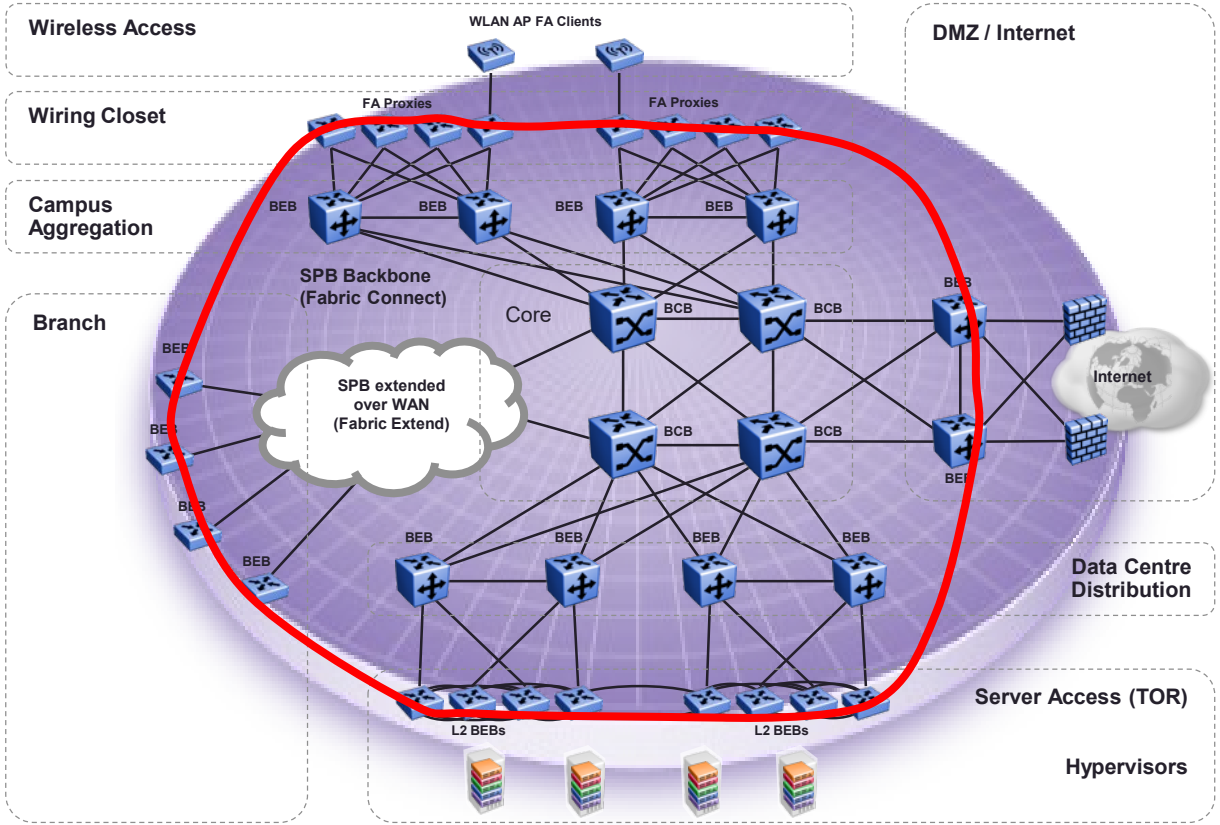
Address tasks which have a high repetition rate.

Address 80% of your issues with 20% automation effort.
Don’t try to be perfect.

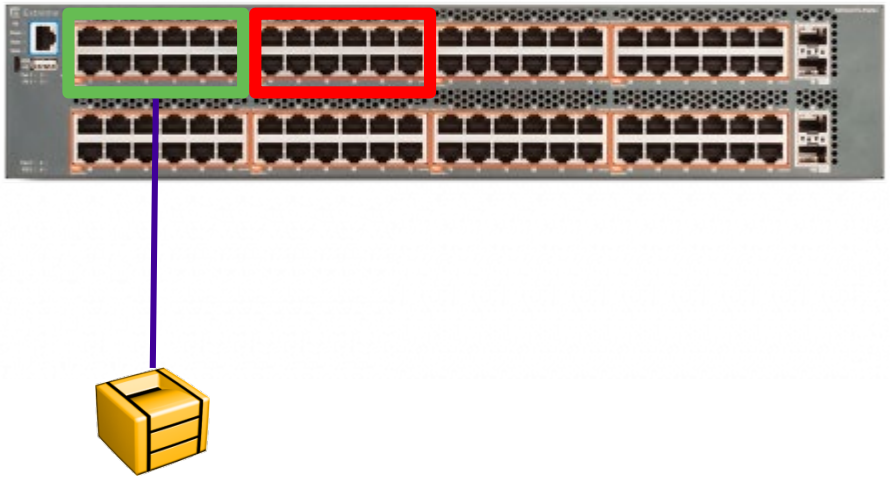
Don’t invent the wheel again.
Use as much as possible what already available.

Use cases

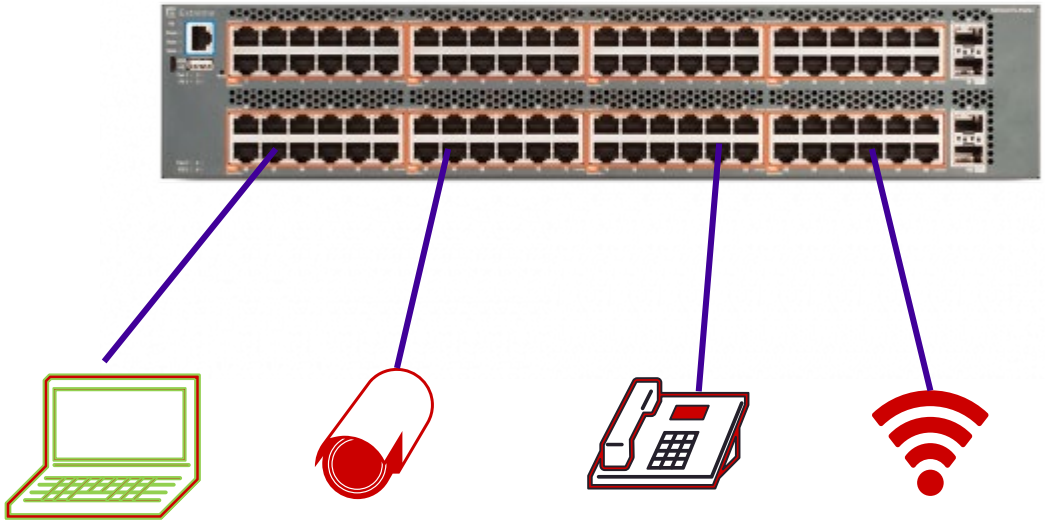
Fabric Connect ➔ create L2VSN



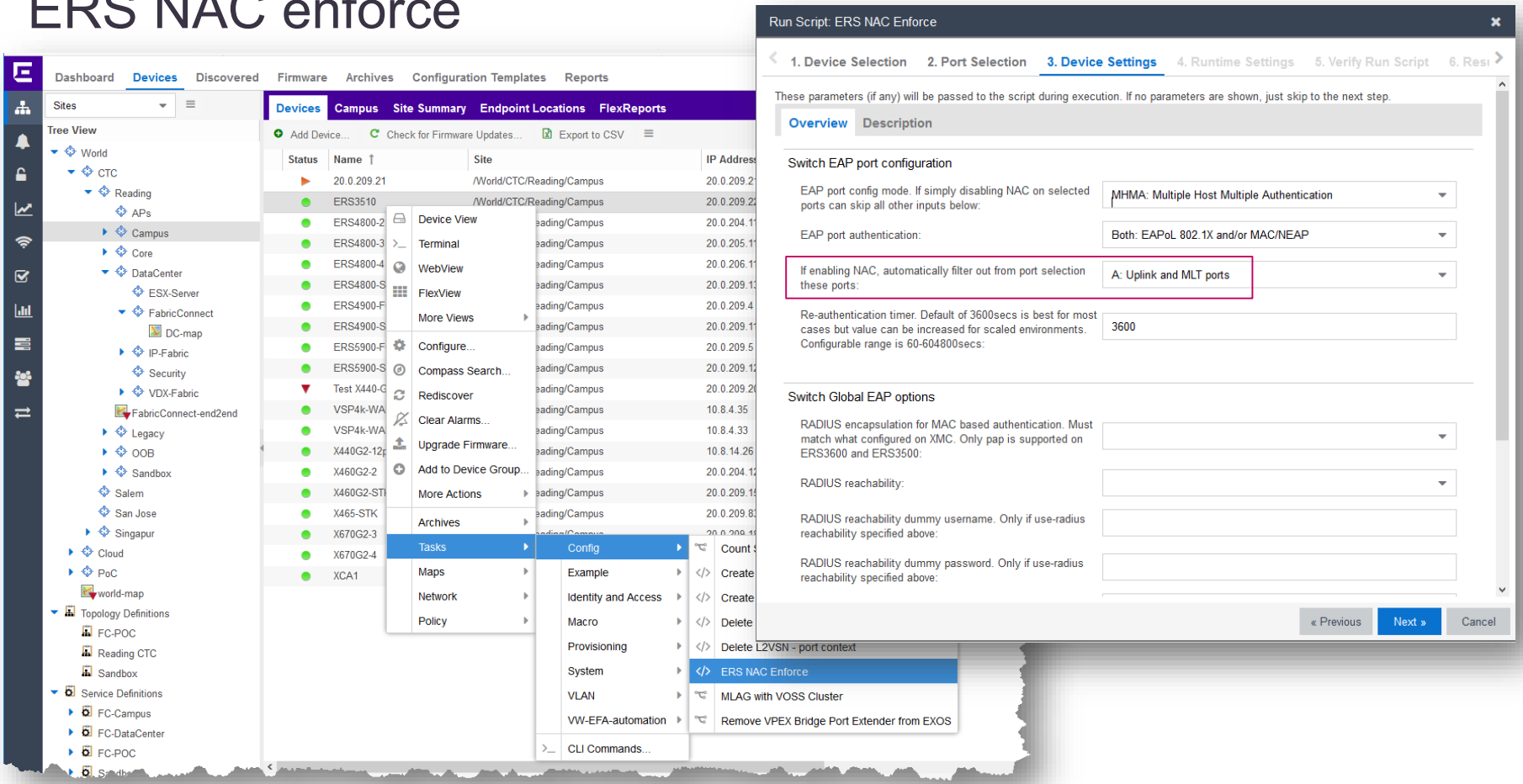
NAC MAC learning



ERS NAC enforce

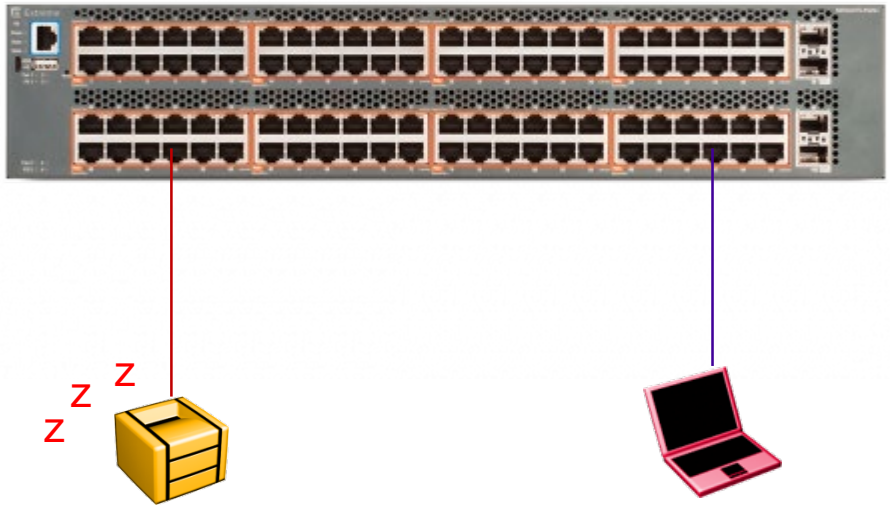


ERS NAC enforce

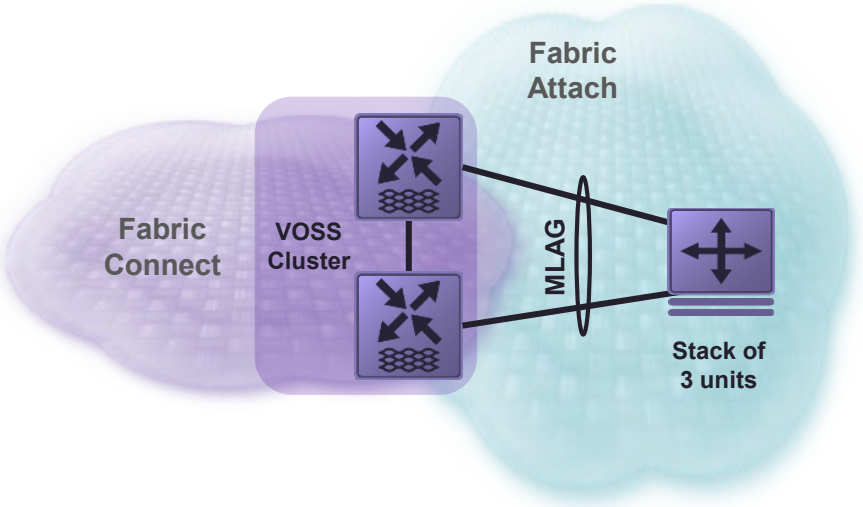


NAC Printer sleep mode issue

MAC FDB timeout
EAPoL timeout

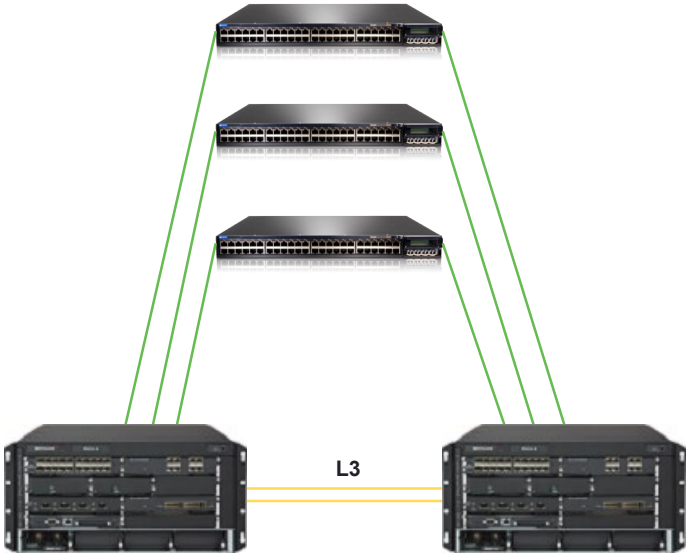


EXOS Stack onboarding



Enable LACP on the edge uplinks

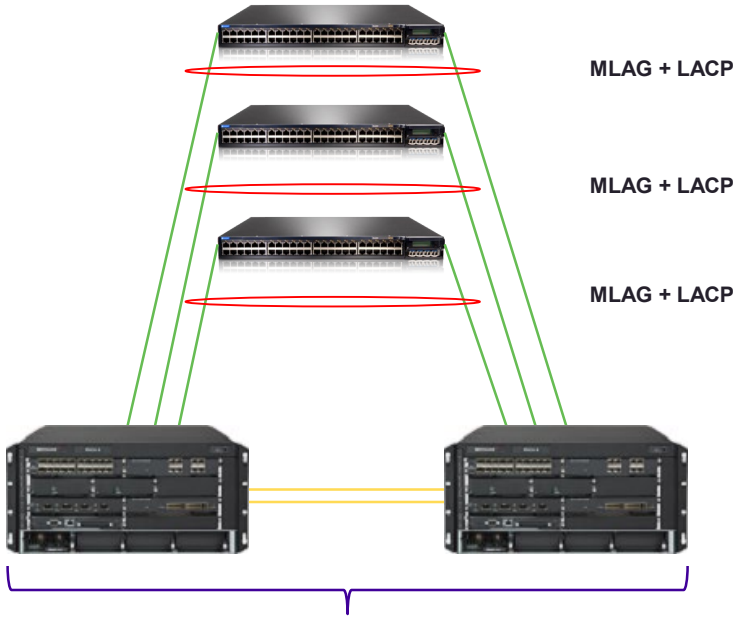
Untagged,
no link aggregation



Juniper EX4200

MLXe

VLAN tagging,
link aggregation



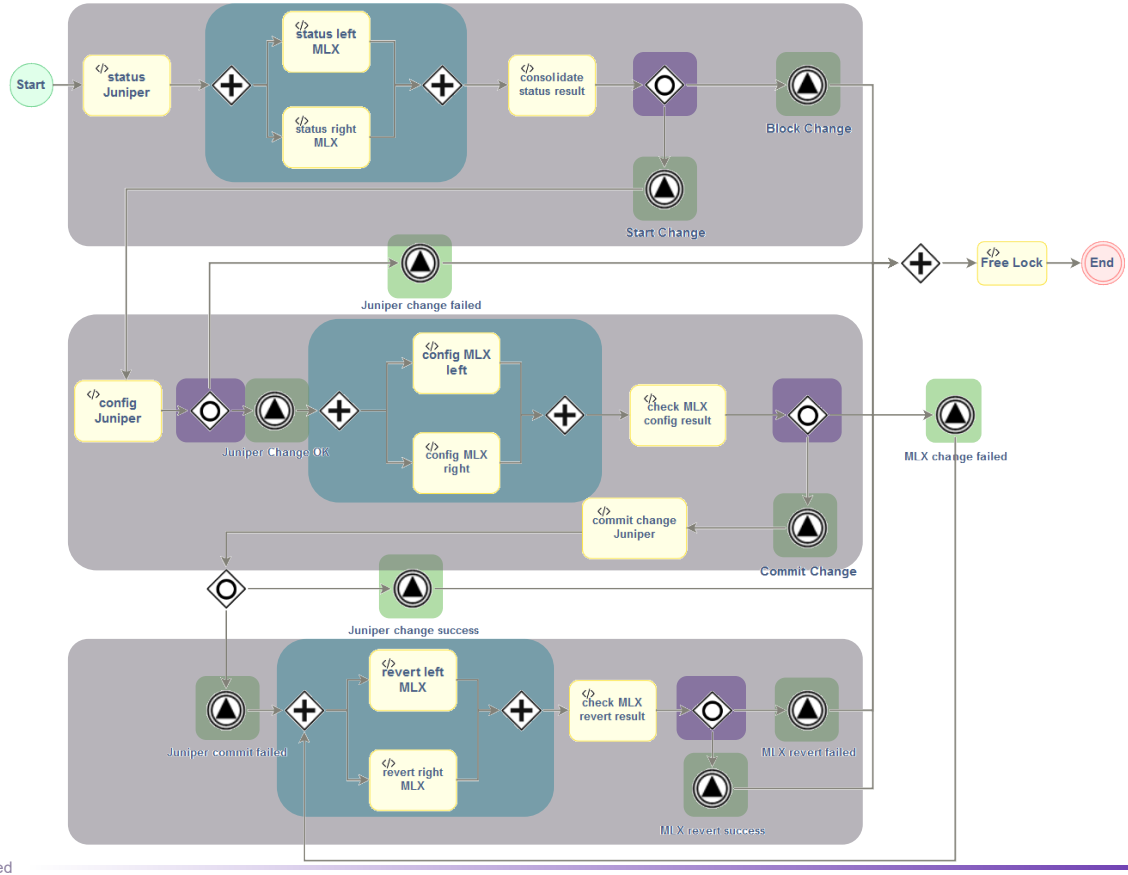
About 1000 edge switches have to be changed

Enable LACP on the edge uplinks (Workflow)

Discover

Change

Rollback



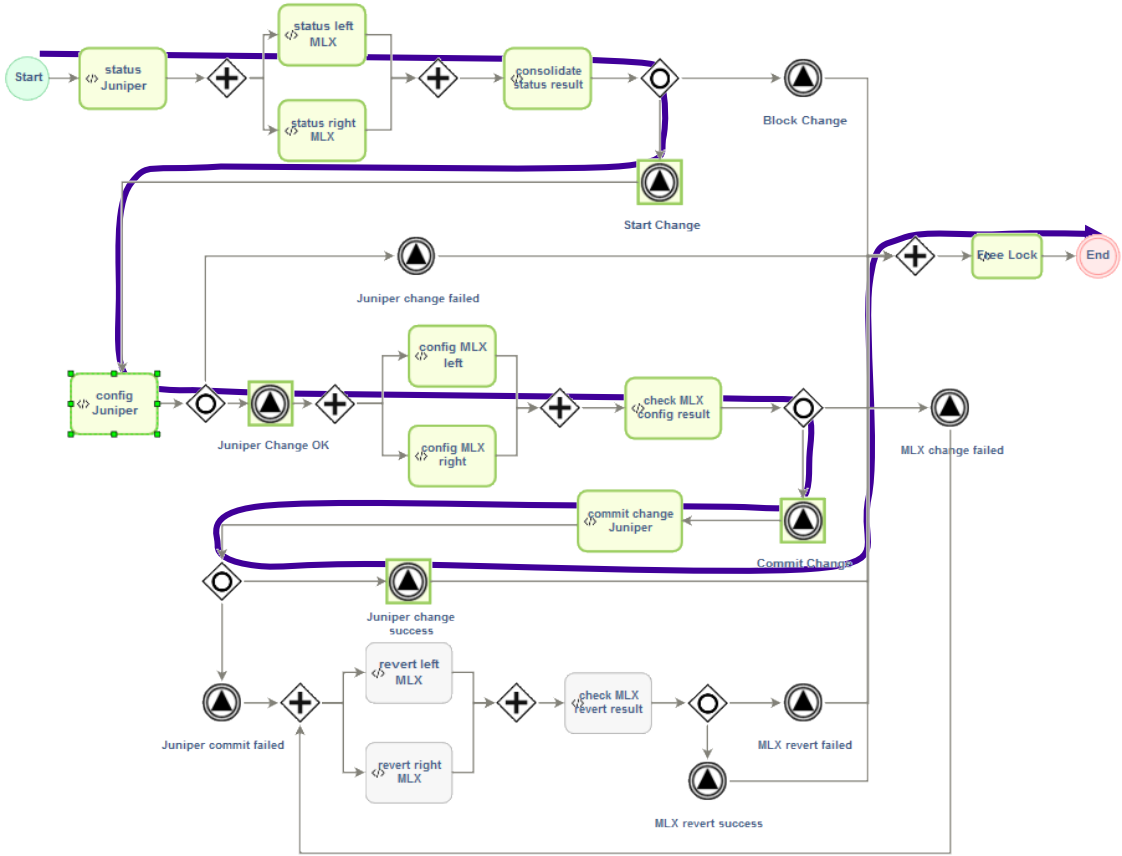
Parallel execution

Gateway

Event notification

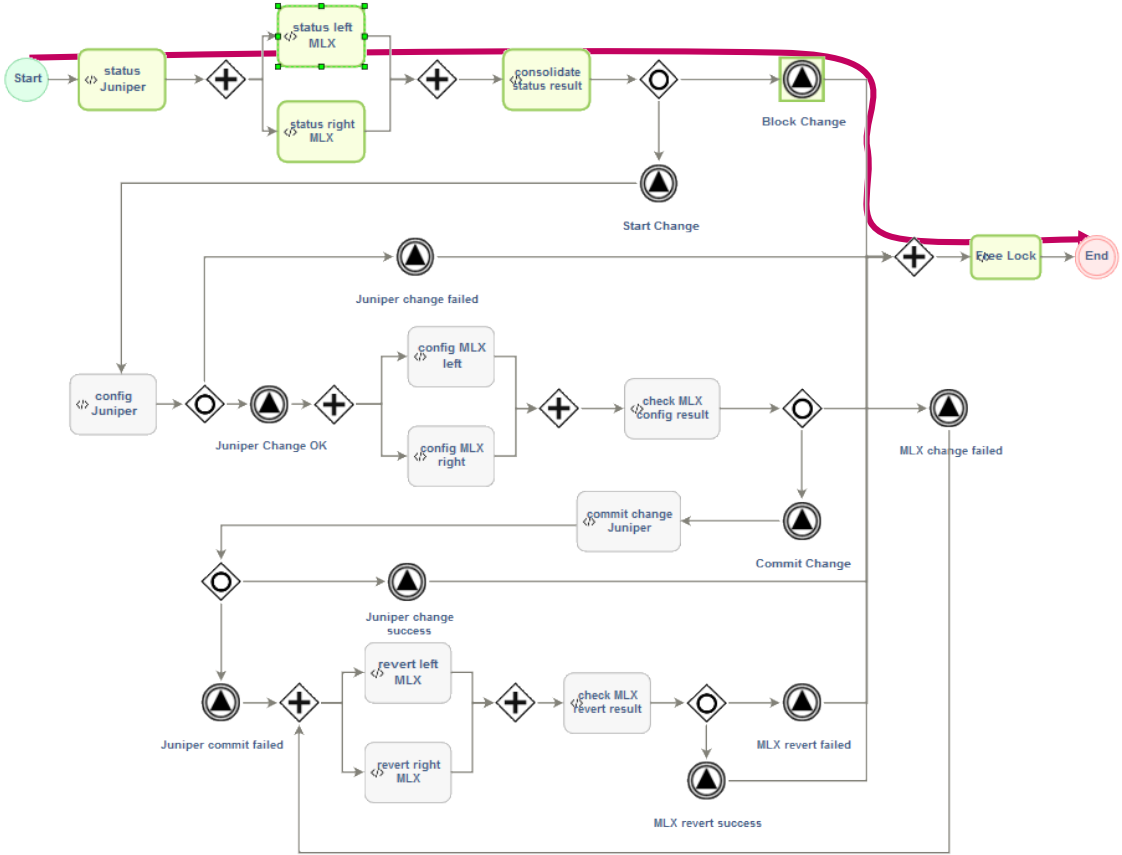
Successful change

Network interruption for end user, less than 30 sec.



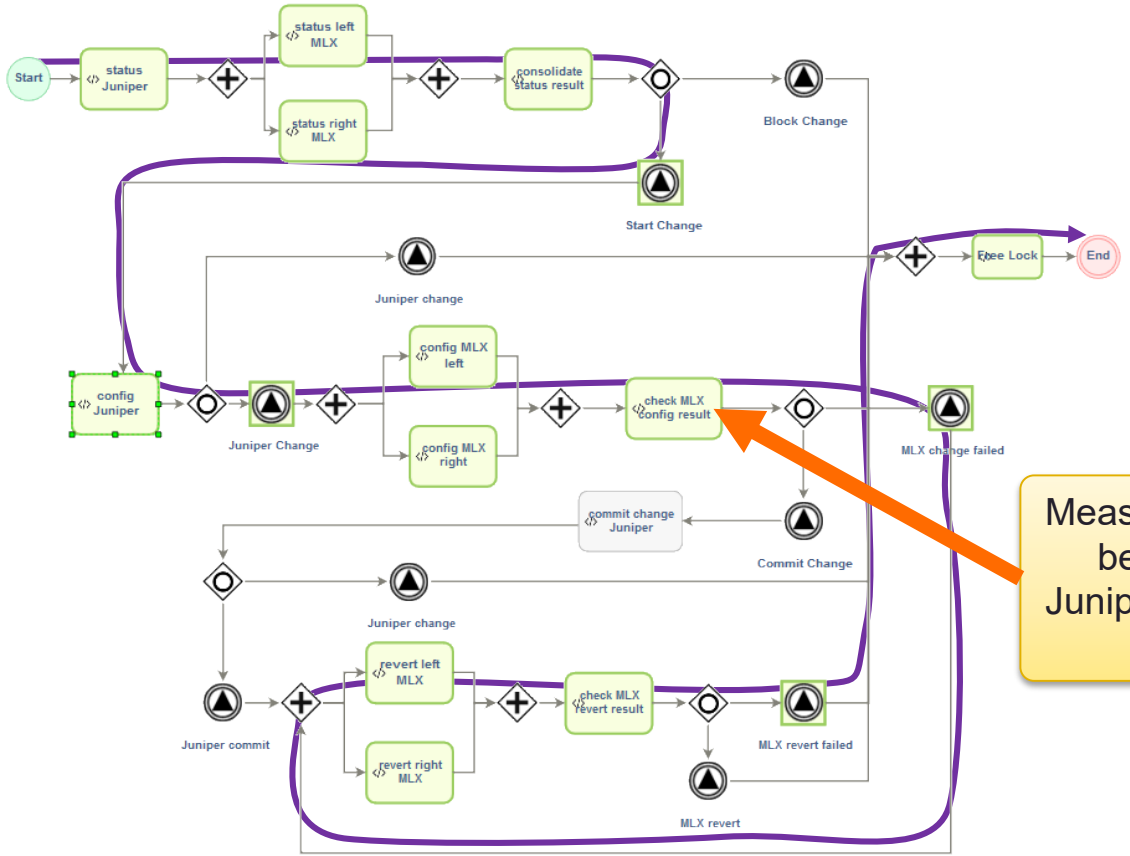
Change already applied

No network interruption for end user.



Change failed & rollback

Network interruption for end user, less than 60 sec.



Measure round trip delay between XMC and Juniper edge switch over 30 seconds

Next Presentation

Use the following link to advance to the next presentation in the Workflow education.

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