



Network Automation: Are We There Yet? - LEARN

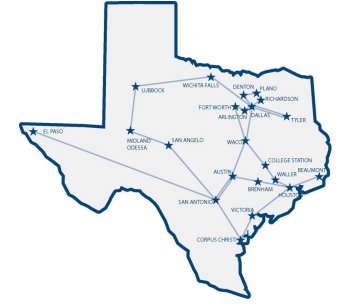
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2022 Internet2 Technology Exchange

December 7th, 2022

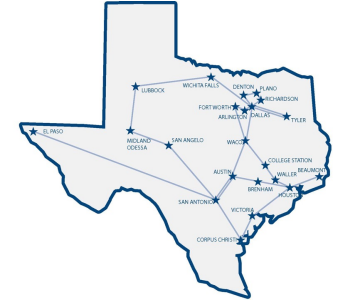


Are We There Yet?



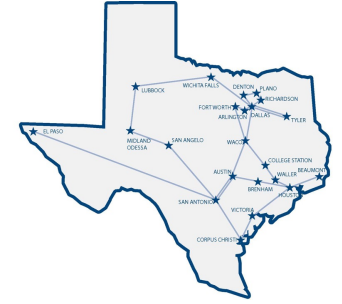
- Where is LEARN in the process?
 - Early Days
- Automation test bed set up
 - Can push changes to routers/switches
 - Fully automated JUNOS upgrades

Tools Used – JUNOS Upgrades



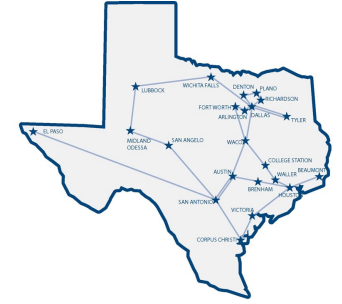
- Ansible
 - Playbook
- Python
 - scripting
- Manual
 - Only used to change mastership RE
- Microsoft Excel
 - Compare/validate
- Visual Studio Code
 - Development

Lessons Learned – JUNOS Upgrades

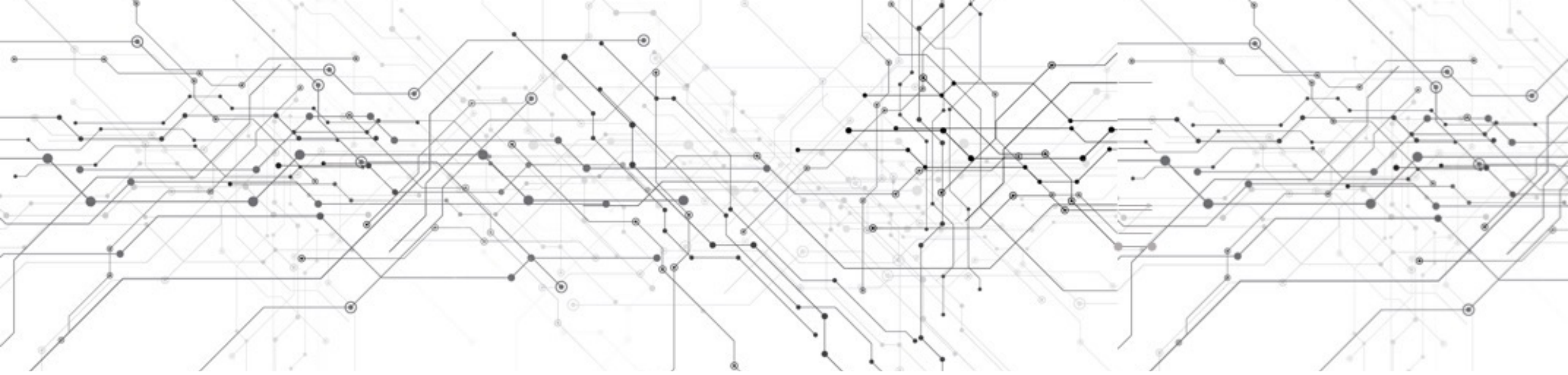


- Automation - faster pre-loading JunOS on both Routing Engines
- “Get Facts” – script used to compare information before and after upgrade
- Backup RE did not reboot – there is a process to remotely reboot

LEARN Automation Next Steps



- Packet RFP
 - Analyzing responses now
 - Automation platforms part of RFP request
- “Source of Truth” Documentation
 - Presently using Netbox 2.10.10 in production
 - Debating Netbox vs Nautobot today
 - Getting information about existing services to make transition to different hardware vendor easier.



Questions?

