Practical Network Automation with Ansible and Python

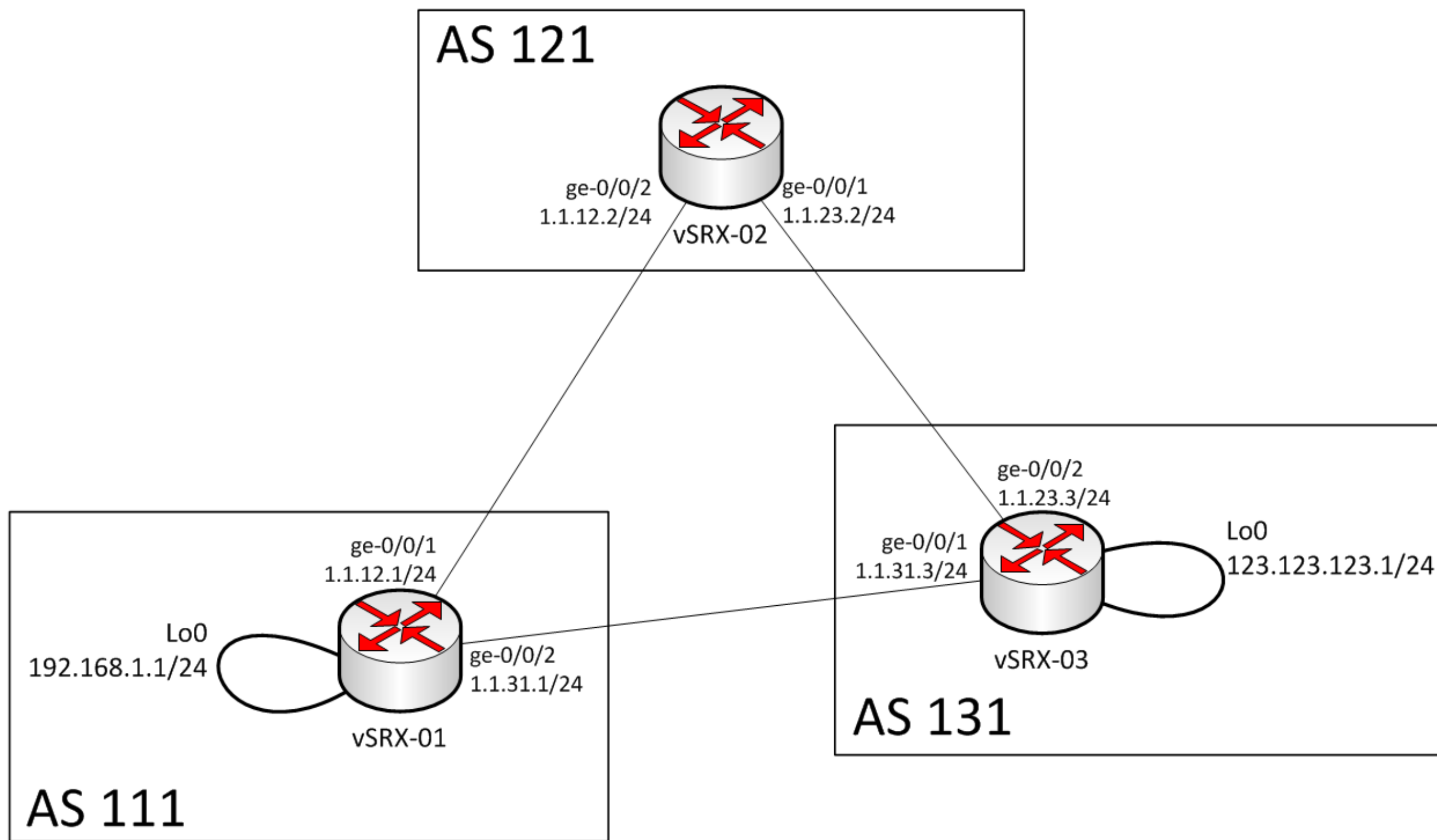Matt Oswalt
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Disclaimers

Nothing in this presentation should be viewed to reflect any opinion or infrastructure detail of any employer, past or present, or any other organization. What I present is mine and mine alone.

Details provided should not be perceived to reflect the actual design or configuration of any specific real-world technology or infrastructure deployment, unless otherwise explicitly stated.

Workshop Outline

- Brief Intro to Network Automation concepts

- Basic Data Modeling with YAML

- Creating templates with Jinja2

- Provisioning Network Services with Ansible

- Network Automation with Python Tools

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Parting Thoughts

- Use these tools in a CI Pipeline (Git + Jenkins)

- Start SIMPLE, work up from there

- Communication and buy-in is KEY!

Resources

- EVERYTHING is here: https://github.com/Mierdin/nwkauto