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DevNet Zone

The bridge to possible

Standardize Your Network

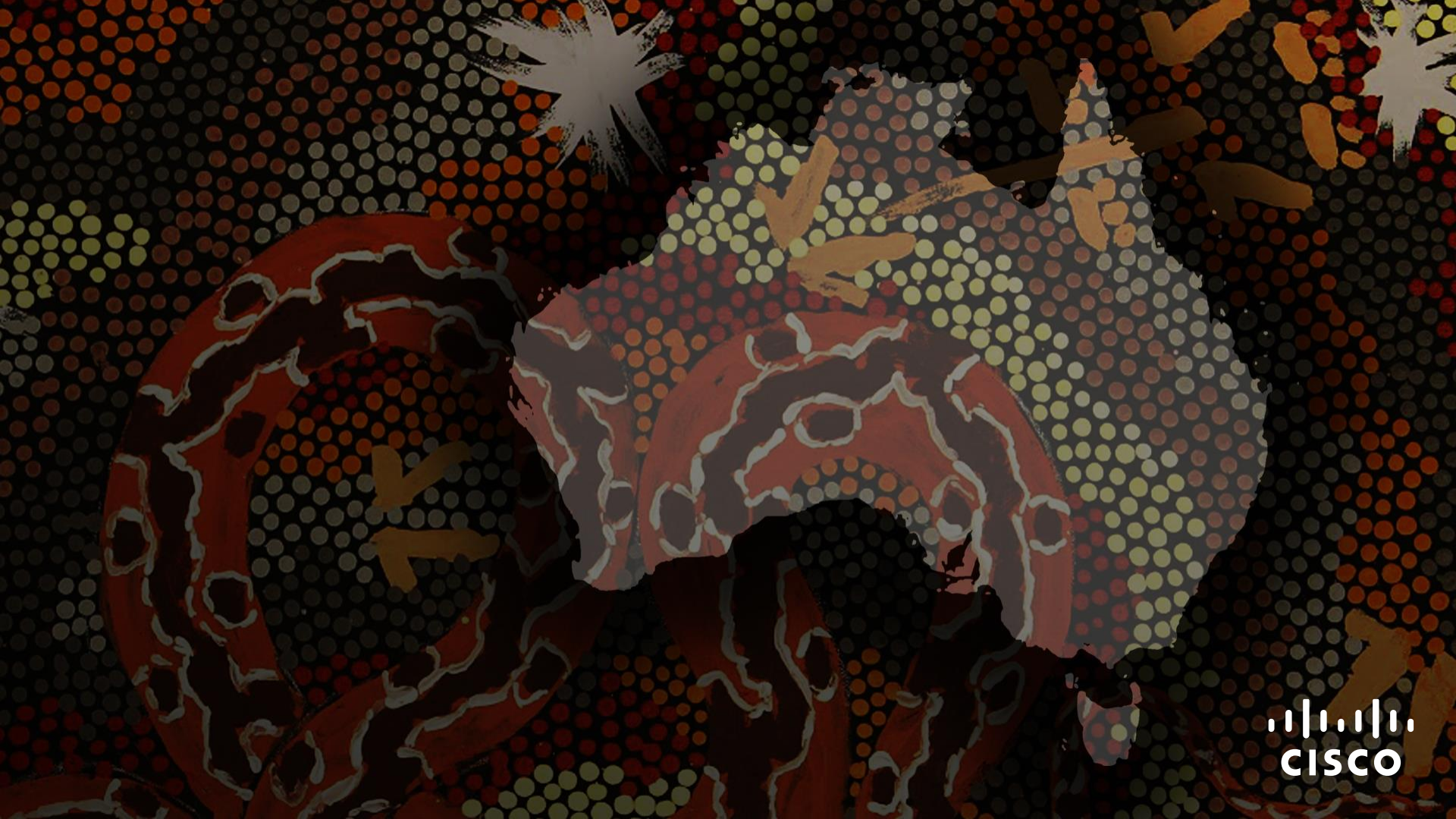
Building Roles for Device Compliance Using Ansible

Quinn Snyder, Developer Advocate
@qsnyder

DEVWKS-2252

Cisco Live!

DevNet Zone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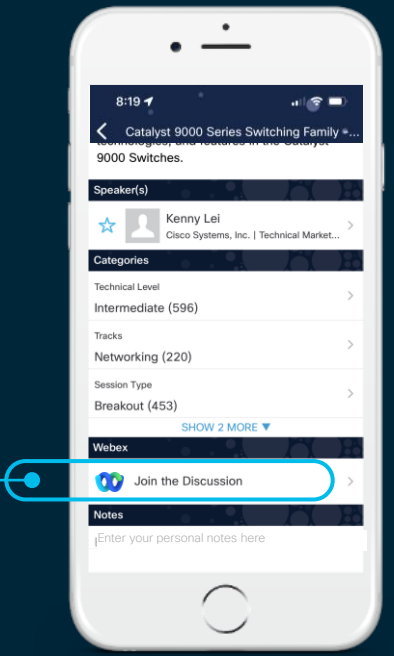

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Agenda

- Introduction
- What is Compliance?
- Topics Covered; Topology
- Lab Time!

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What is Compliance

- Enforcing a common baseline configuration

--- but also ---

- Configuration archival and storage
- Selective application of configurations to devices
- Submittal of config to CAB for approval
- Configuration deltas from baseline

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Why Ansible for Compliance

- Declarative
  - Task-level declarative nature
  - Differs from end-state declarative (TF)
- Idempotent
  - Run many, apply once
- Apply <-> remove; render config
- Conditional matching, templates, partial playbook runs

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What We're Going to Explore

- Ansible 2.10+ shenanigans
- Configuration backup
- Variable precedence within plays/roles
- Tagging your tasks!
- Configuration render
- Roles, tags, bad role construction
- Configuration diffs

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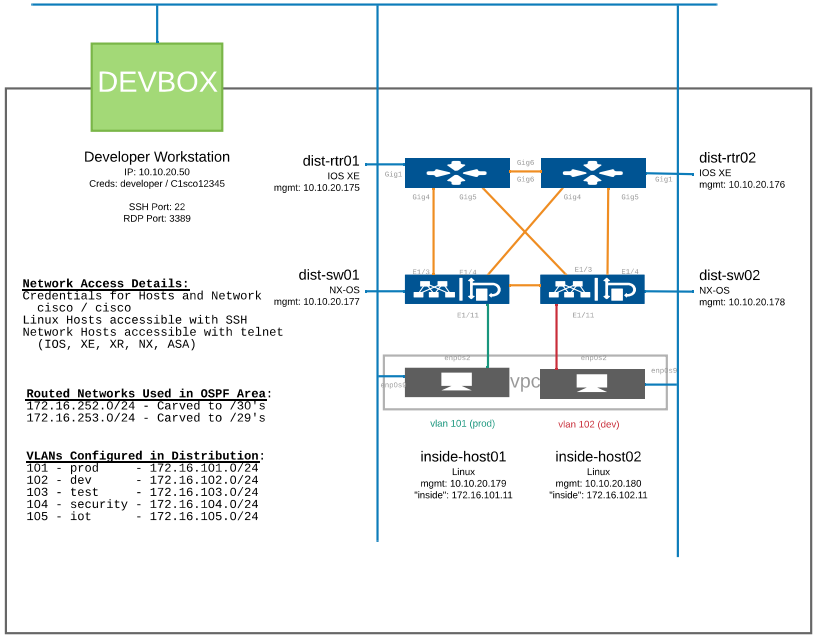
Lab Topology (DevNet Sandbox!)



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Lab Time!

We want your feedback!

Answer a few questions in a short survey to be entered to win a DevNet Hoodie!

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