

Combining RESTCONF and Ansible for Configuration Management



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Agenda



Ansible for networks

IETF interface management:

- Collect, add, and delete

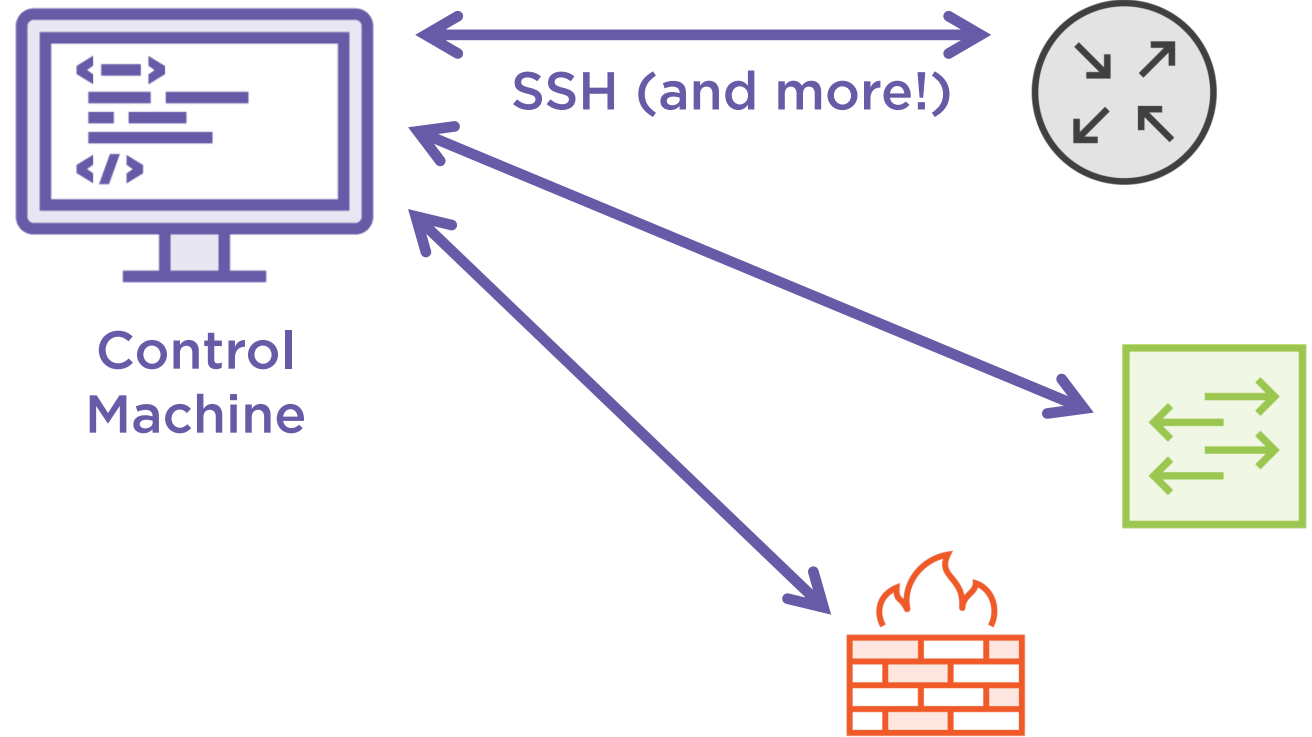
Cisco-specific VLAN management:

- Collect, add, and delete

Ansible Architecture

print_cfg.yml

```
---
- name: "PLAY 1: print cfg"
  hosts: routers
  tasks:
    - name: "TASK 1: collect"
      ios_command:
        commands: "show run"
      register: cfg
    - name: "TASK 2: print"
      debug:
        var: cfg
```



Check out "Automating Networks with Ansible the Right Way"



Auxiliary Ansible Components



Inventory



Variables



Config file

Demo



Exploring IETF interface YANG models



Demo



Collecting IETF interfaces using *Ansible*
and RESTCONF



Demo



Adding IETF interfaces using Ansible and
RESTCONF



Demo



Deleting IETF interfaces using Ansible
and RESTCONF



Challenge: VLAN Management

Try using the
Cisco native
models for your
IOS-XE version

Follow the same
general flow from
"interface" demo

Reserve the
Catalyst 9300
sandbox



Demo



Exploring Cisco native YANG models



Demo



**Managing Cisco native VLANs using
Ansible and RESTCONF**



Summary



More YANG exposure (very important)
Ansible/RESTCONF to manage interfaces
Ansible/RESTCONF to manage VLANs

