

Ansible for NetworkAutomation

2019-09

Session Overview

Session Overview

At the end of this session you will be able to:

Session Overview

At the end of this session you will be able to:

- Review the playbook management keys and values

Session Overview

At the end of this session you will be able to:

- Review the playbook management keys and values
 - vars:

Session Overview

At the end of this session you will be able to:

- Review the playbook management keys and values
 - vars:
 - connection:

Session Overview

At the end of this session you will be able to:

- Review the playbook management keys and values
 - vars:
 - connection:
 - hosts:

Session Overview

At the end of this session you will be able to:

- Review the playbook management keys and values
 - vars:
 - connection:
 - hosts:
- Update an Ansible config file to manipulate playbook wide settings

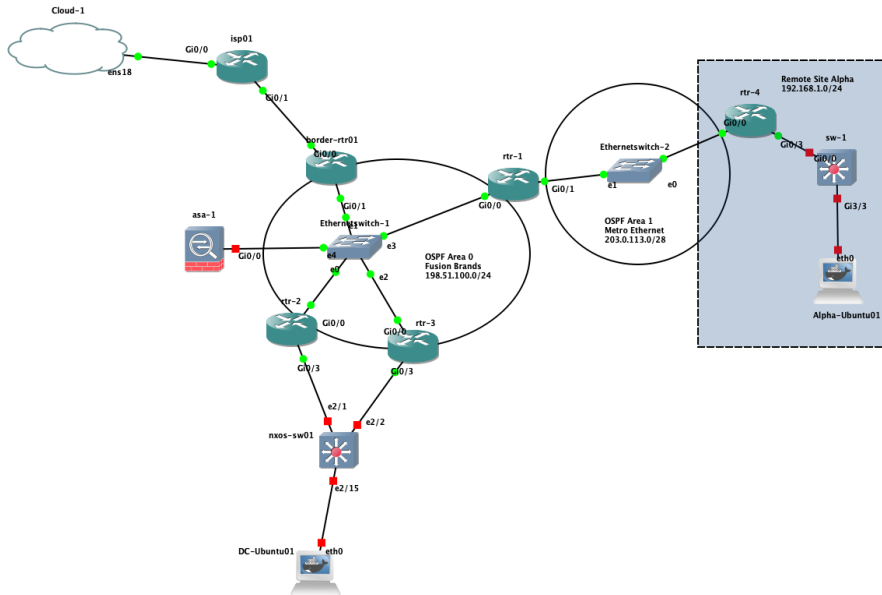
At the end of this session you will be able to:

- Review the playbook management keys and values
 - vars:
 - connection:
 - hosts:
- Update an Ansible config file to manipulate playbook wide settings
- Gather data from various devices
 - IOS
 - NXOS
 - Juniper
 - Other network devices

At the end of this session you will be able to:

- Review the playbook management keys and values
 - vars:
 - connection:
 - hosts:
- Update an Ansible config file to manipulate playbook wide settings
- Gather data from various devices
 - IOS
 - NXOS
 - Juniper
 - Other network devices
- Use regex to parse data from a command with data gathered

Network Diagram



Playbook Management Key Values

All Ansible playbooks are defined within YAML format, which leverages key/value pair assignments. We will take a look at some common keys used, and what their corresponding value looks like.

```
- name: "PLAY 1: Gather data from router"
  connection: network_cli
  hosts: r1
  become: true
  become_method: enable
```

Quick Note on Ansible Modules

Ansible Network Modules

The whole list of Network modules and their corresponding requirements can be found with your favorite search engine on term of "Ansible Network Modules" - which will take you to this link: https://docs.ansible.com/ansible/latest/modules/list_of_network_modules.html

This will be included on the notes for this.

Gathering Data from Cisco IOS Devices

There are two primary methods to gather data from IOS devices, using:

Gathering Data from Cisco IOS Devices

There are two primary methods to gather data from IOS devices, using:

- **cli_command**

Gathering Data from Cisco IOS Devices

There are two primary methods to gather data from IOS devices, using:

- **cli_command**
- **ios_command**

Gathering Data from Cisco IOS Devices

There are two primary methods to gather data from IOS devices, using:

- **cli_command**
- **ios_command**
- More modules for interacting with IOS devices can be found on the [Ansible Network Modules Page](#)

This is used when working with Cisco IOS devices connecting with SSH.