Ansible for Network Automation Getting to Know Ansible

Josh VanDeraa







At the end of this session you will:

• Know more about the Origins of Ansible

- Know more about the Origins of Ansible
- Know about inventory files and how to put it together

- Know more about the Origins of Ansible
- Know about inventory files and how to put it together
- Understand the Ansible Playbook structure
 - Tasks

- Know more about the Origins of Ansible
- Know about inventory files and how to put it together
- Understand the Ansible Playbook structure
 - Tasks
 - Plays

- Know more about the Origins of Ansible
- Know about inventory files and how to put it together
- Understand the Ansible Playbook structure
 - Tasks
 - Plays
 - Playbooks

- Know more about the Origins of Ansible
- Know about inventory files and how to put it together
- Understand the Ansible Playbook structure
 - Tasks
 - Plays
 - Playbooks
 - Roles

- Know more about the Origins of Ansible
- Know about inventory files and how to put it together
- Understand the Ansible Playbook structure
 - Tasks
 - Plays
 - Playbooks
 - Roles
- Use of the debug module

- Know more about the Origins of Ansible
- Know about inventory files and how to put it together
- Understand the Ansible Playbook structure
 - Tasks
 - Plays
 - Playbooks
 - Roles
- Use of the debug module
- Understand the Ansible key connection variables
 - ansible_user

- Know more about the Origins of Ansible
- Know about inventory files and how to put it together
- Understand the Ansible Playbook structure
 - Tasks
 - Plays
 - Playbooks
 - Roles
- Use of the debug module
- Understand the Ansible key connection variables
 - ansible_user
 - ansible_password

- Know more about the Origins of Ansible
- Know about inventory files and how to put it together
- Understand the Ansible Playbook structure
 - Tasks
 - Plays
 - Playbooks
 - Roles
- Use of the debug module
- Understand the Ansible key connection variables
 - ansible_user
 - ansible_password
- Know where to find help and file issues found

Originally was used to manage Linux hosts

- Originally was used to manage Linux hosts
- Agent-less architecture

- Originally was used to manage Linux hosts
- Agent-less architecture
- Control Nodes and Managed Nodes

- Originally was used to manage Linux hosts
- Agent-less architecture
- Control Nodes and Managed Nodes
- Leverage sports analogies for describing the structure
 - Start with individual tasks at the smallest level

- Originally was used to manage Linux hosts
- Agent-less architecture
- Control Nodes and Managed Nodes
- Leverage sports analogies for describing the structure
 - Start with individual tasks at the smallest level
 - Tasks are part of a play

- Originally was used to manage Linux hosts
- Agent-less architecture
- Control Nodes and Managed Nodes
- Leverage sports analogies for describing the structure
 - Start with individual tasks at the smallest level
 - Tasks are part of a play
 - Multiple plays form a playbook

- Originally was used to manage Linux hosts
- Agent-less architecture
- Control Nodes and Managed Nodes
- Leverage sports analogies for describing the structure
 - Start with individual tasks at the smallest level
 - Tasks are part of a play
 - Multiple plays form a playbook
- Roles

- Originally was used to manage Linux hosts
- Agent-less architecture
- Control Nodes and Managed Nodes
- Leverage sports analogies for describing the structure
 - Start with individual tasks at the smallest level
 - Tasks are part of a play
 - Multiple plays form a playbook
- Roles
 - Leaf Switch
 - Spine Switch
 - NXOS Switch
 - WAN Router

Demo!





Let's take a look at a few Playbooks

To review what we accomplished today:

Playbook structure

- Playbook structure
 - Tasks
 - Plays
 - Playbooks
 - Roles

- Playbook structure
 - Tasks
 - Plays
 - Playbooks
 - Roles
- Use the debug module to look into the automation

- Playbook structure
 - Tasks
 - Plays
 - Playbooks
 - Roles
- Use the debug module to look into the automation
- Ansible key connection variables

- Playbook structure
 - Tasks
 - Plays
 - Playbooks
 - Roles
- Use the debug module to look into the automation
- Ansible key connection variables
 - ansible_user
 - ansible_password

- Playbook structure
 - Tasks
 - Plays
 - Playbooks
 - Roles
- Use the debug module to look into the automation
- Ansible key connection variables
 - ansible_user
 - ansible_password
- Reviewed Ansible's Galaxy/Github pages

Contact

You can find me and more contacts on the Packet Pushers Slack Channel.

🗱 jvanderaa