

ANSIBLE ESSENTIALS

Length : 1 day
Delivery Method : Instructor-led (Classroom)

Course Outline

Module 1: Ansible Big Picture (Theory)

Lessons

- What and why of Ansible
- Ansible use cases and terminologies
 - Controller server
 - Nodes
 - Playbook
 - Ansible tower

Module 2: Ansible management server deployment (Hands on Lab by students)

Lessons

- Ansible– Deploy a centos7 server
- Ssh to centos7 server
- Install and configure Ansible
- Create password less authentication keys
- Define nodes to be managed by ansible control server

Module 2: Ansible Node server deployment (Hands on Lab by students)

Lessons

- What and why of Ansible
- Deploy a RHEL server + 1 ubuntu 16.04 server
- Ssh to centos7 server
- Create password less authentication keys

Module 3: Ansible HTTPD Playbook for RHEL node(Hands on Lab by students)

Lessons

- Create a httpd playbook directory
- Write .yaml file
- write httpd package install code for RHEL server
- write httpd service restart code
- write template resource type to push index.html and log.png to node
- write user and group creation code
- Apply the playbook on centos node and validate if website is up

Module 4: Ansible Apache2 Playbook for ubuntu node(Hands on Lab by students)

Lessons

- Create a apache2 playbook directory
- Write .yaml file

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- write apache2 package install code for ubuntu server
- write apache2 service restart code
- write template resource type to push index.html and log.png to node
- write user and group creation code
- Apply the playbook on ubuntu node and validate if website is up

Module 5 : Ansible Windows 2016 server node deployment (Hands on Lab by students)

Lessons

- Deploy a windows 2016 server
- Configure it as windows node under ansible management

Module 6: Playbook for windows 2016 node (Hands on Lab by students)

Lessons

- Create a iis playbook directory
- Write resource code to automate iis role on windows server
- Apply the playbook on Windows node and validate if website is up

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