



Red Hat Ansible : The Next Level

Work with Dynamic Inventory Script



Ansible Automation

- Collection of Hosts is called Inventory.
- **Types of Inventory -**
 - Static Inventory
 - Dynamic Inventory
- Dynamic Inventory is a Script like shell/python for dynamic environment.
- Dynamic inventory is preferable over Static Inventory.

Ansible Automation

- Ansible have the Dynamic Inventory Script for public clouds-
 - AWS
 - OpenStack
 - GCP
 - Azure
 - Space Walk ...etc
- Define Inventory to Ansible Command Dynamically.
- In earlier Ansible Version, files was present in GitHub. Latest version have plugins for inventory file formation.

Ansible Automation

- List all Dynamic Inventory Plugin List.
 - `ansible-doc -t inventory -l`
- Add Enable Plugin Syntax in Ansible cfg file.
 - `[inventory]`
`enable_plugins = host_list, script, auto, yaml, ini, toml`
- Install boto3 in Python Virtual Environment
 - `sudo pip3 install boto3`
 - `sudo pip3 install botocore`

Ansible Automation

- Create AWS User and Export Creds on Ansible Engine.
 - `export AWS_ACCESS_KEY_ID='AK123'`
 - `export AWS_SECRET_ACCESS_KEY='abc123'`
- Create YML file for AWS Plugin.
 - `plugin: amazon.aws.aws_ec2`
- Verify and Populate the AWS Dynamic Inventory
 - `ansible-inventory -i <AWS PLUGIN FILE NAME> --graph`
- Test some Ansible Module.
 - `ansible all -i <AWS PLUGIN FILE NAME> -u ec2-user -m ping`

Thank You...

Don't be the Same! Be Better!!!
