

Manage Infrastructure using Ansible

Configuration Management - Assignment 2 [Ansible]

Note(s): NA

Task 1 (Get a 3 Node cluster with Ansible Controller, 1 Ubuntu Node and 1 CentOS Node)

1. Create 3 nodes as per the following details on any platform of your choice:
 - Ubuntu – 2 Nodes (1 Controller and 1 Node)
 - CentOS – 1 Node
2. Setup Password-less authentication between the Controller and 2 nodes.
3. Install Ansible on Controller node
4. Setup Inventory on Ansible Controller
5. Validate Ansible configuration using Ansible ping command.

Task 2 (Writing a reusable Playbook)

1. Write an Ansible playbook which takes input for Package name to be installed.
2. Run the playbook via command line and initialize the variable which requires the package name.
3. Modify the playbook so that it asks the host-group as well on which the specified package needs to be installed.
4. Run the playbook again and this time providing variable values for both “package name” and “host-group” name.

Task 3 (Playbook for Apache installation using Facts)

1. Write an Ansible Playbook which installs apache software and starts and enables the service on managed nodes.
2. Run the playbook on both Ubuntu and CentOS nodes and verify the changes.
3. You would see that it failed on one of the nodes (depending on which package name you have chosen in your playbook)
4. Modify the Playbook in such a way that it uses correct package name based on OS, while installing.



Note(s): You can use Ansible fact “os_family” to create a conditional task for apache installation based on Operating System.