**Create Web Server Stack using Ansible**

Step 1. Installing Ansible

Ubuntu:

$ sudo apt-get install software-properties-common

$ sudo apt-add-repository ppa:ansible/ansible

$ sudo apt-get update

$ sudo apt-get install ansible

Centos, Fedora or RHEL

$sudo yum install epel-release

$sudo yum update

$ sudo yum install ansible

Step 2: Create two EC2 centos instance for web Server Installation.

Step 3: Create the inventory file

localhost ansible\_connection=local

[webservers]

PUBLIC HOSTNAME ansible\_connection=ssh ansible\_user=centos ansible\_ssh\_private\_key\_file=/home/USERNAME/KEYNAME ansible\_become=yes

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Step 4. Disable host key checking in /etc/ansible/ansible.cfg

[defaults]

host\_key\_checking = False

Step 5. validate the connection

ansible all -m ping

ansible all -a "/bin/echo hello"

Step 6. Creating a Playbook

vi webservers.yaml

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- hosts: webservers

vars:

http\_port: 80

max\_clients: 200

remote\_user: ec2-user

tasks:

- name: ensure apache is at the latest version

yum:

name: httpd

state: latest

- name: ensure apache is running

service:

name: httpd

state: started

Step 7. Run the Playbook

$ ansible-playbook webservers.yaml -f 10