ANSIBLE COURSE SYLLABUS

Hi Folks,

Oranium Tech introducing some amazing content on Agile. Ansible® is an open-source IT automation engine that automates provisioning, configuration management, application deployment, orchestration, and many other IT processes

Introduction

- Why configuration management is a critical part of any DevOps team
- Strengths and weaknesses of Ansible
- Webscale
  - ✓ How Ansible is different from other CM tools like Chef and Puppet
  - ✓ Getting started with Ansible terminology
  - ✓ Ansible and YML for describing your environments

Getting set up

- Some prerequisites
- Getting set up on a Mac
- Getting set up on Linux
- Getting set up on Windows
- Testing with Vagrant
- Using SSH keys to connect to your target nodes

Inventory

- Basic inventory example
- Hosts and groups

Ansible Playbooks

- A useful directory structure to keep your Ansible code organized
- Using git to manage your Ansible code
- A first look at a playbook to install and configure NTP time synchronization

Provisioners

- Connecting Ansible to your preferred cloud provider (we'll use DigitalOcean)
- Creating a new server instance
- Dynamic inventory
- Dynamic inventory on Amazon AWS
- Mixing static and dynamic inventory

Highly available infrastructure with Ansible

- Spec up our inventory and host groups
- Using roles
- Configure our database backend
- Configure our web server front-end
- Configure a replicated filesystem
- Configure centralized logging

Application deployments with Ansible

- Deploying our app from SCM to our local Vagrant environment
- How we would deploy that code to production once tested by QA
- Updating our application
- How Ansible compares to alternatives such as Capistrano

Docker containers with Ansible

- A brief intro to Docker
- The synergy of containerization and automation
- Using Ansible to build Docker containers
- MySQL containers
- Web application containers
- Data storage containers

Testing and continuous integration

- Unit, integration and functional testing
- Automating your testing using GitHub and Travis CI

Preparing for Ansible back at work

- Real-world use case: Using Ansible to automate CM and application pipelines through
- continuous integration, release, deployment, and operations
- We'll review your own environments and processes and evaluate how to best integrate Ansible's
- configuration management for your own needs

_____

Looking for Classroom Training learn API Testing Course at your nearest location in Chennai

Also, you can learn from anywhere and take API Testing online.

All The Best

Phone / WhatsApp Details / Mail Id

CHROMPET : 73053 43555 **whatsapp** / oraniumtech@gmail.com

VELACHERY : 73052 77748 **whatsapp** / oraniumtechvh@gmail.com