Besant Technologies

Ansible Training

About Course

Besant Technologies provides the best Ansible online training with Ansible experts. Become an expert in Ansible, the popular, agent-free, open-source automation tool. With our training, you will be able to use Ansible for automation, configuration, and management. Besant Technologies Ansible training will enable you to install and configure Ansible, create and run playbooks, and handle a comprehensive cloud set-up with skill and configure network devices in Linux, UNIX-like, Mac and Windows operating systems.

Course Syllabus

Introduction

- ➢ Why configuration management is a critical part of any DevOps team

- ➢ Strengths and weaknesses of Ansible

- ➢ Webscale
    - o How Ansible is different from other CM tools like Chef and Puppet
    - o Getting started with Ansible terminology
    - o 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

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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

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➢ 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

<u>Reviews</u>

Review 1:

The content of the Ansible online training course is very good and complete, just as it is very easy to attend the training without much prior knowledge. Likewise, the trainer's attention has been excellent. My Linux administrator skills were minimal, but the trainer helped me to catch up with the complexities of Ansible.

Review 2:

I have been doing front-end development for two years and wanted to learn Ansible to progress in my career. The certified trainer at Ansible certification training course really helped me to understand the Ansible Modules, Playbooks, Roles, and Variables.

Review 3:

I found the Ansible online training a superb introduction to Ansible. The trainer was very helpful and he gave us brief lessons with online coding exercises. I was very happy when I first created my own Playbook. I strongly recommend this course to all Ansible aspirants.

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