

ANSIBLE

COURSE SYLLABUS

Routing

Bundling

Getting input Values from View

Pass manipulated values to View.

Different Kinds of ActionResult.

Passing Value from view to controller.

Passing value from controller to view

Cross Side Scripting

Paging

Introduction to Nuget

Basic walkthrough in MVC Template >>> MVC Internet Application.

Calling differnt ViewEngines in same Project

Usage of custom Validations after importing the moedl from database.

Repository Pattern

Unit of work

Difference between various MVC versions

Introduction to Models

Model Validation

Range Validation

String length validation

Error message display

Mapping Model Values in View.

Getting Model values in Controller

Adding validations to existing models.

Introduction

Why configuration management is a critical part of any DevOps team

Strengths and weaknesses of Ansible

[Web scale](#)

[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

[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