

Server Automation using CHEF

By Dr. Vishwanath Rao

- Introduction to CHEF
 - Infrastructure-As-A-Code
 - Chef Components – 10000 feet overview
 - Chef Server
 - Hosted Chef Server
 - Chef Development kit
 - Chef Nodes
 - Recipes
 - Cookbooks
 - Chef Analytics
 - Chef Push job server

Chef Server Installation

- Deploy Ubuntu 14.04 Server
 - SSH to Ubuntu Server
 - Install chef-server on Ubuntu 14.04 linux server
 - Install chef-manage on chef-server
 - Install and configure Chef-Reporting
 - Create a user account on hosted chef server
 - Create organization on hosted chef server
 - Download chef-starter kit
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- Deploy a Ubuntu 14.04 server
 - Ssh to Ubuntu server
 - Install and configure Chef development kit
 - Configure knife to interact with your own Chef-server
 - Configure knife to interact with your Hosted Chef-server
 - Configure SSL based connection to chef server

- Install and configure Chef development kit
 - Setup environment variables
 - Configure knife to interact with your own Chef-server
 - Configure knife to interact with your Hosted Chef-server
 - Configure SSL based connection to chef server
 - Deploy a Ubuntu 14.04 server
 - Register the Ubuntu server under chef server management
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- Building server cookbooks
 - Create a new cookbook for OS update installation on Ubuntu server
 - Write recipe for update of Operating system
 - Edit metadata.rb file to include dependency for apache2 cookbook
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- Understand and create web role
 - Assign web role for chef node
 - Validate chef-role is getting assigned to Ubuntu server