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CHEF

Chef Essentials

BONUS! Cyber Phoenix Subscription Included: All Phoenix TS students receive complimentary ninety (90) day access to the Cyber Phoenix learning platform, which hosts hundreds of expert asynchronous training courses in Cybersecurity, IT, Soft Skills, and Management and more!

Course Overview

This 2-day instructor-led Chef Essentials training teaches students critical skills and knowledge. Upon completion of this training students should be able to:

- Automate the configuration, deployment and management of servers
- Understand Chef architecture and the set of tools included in the Chef Development Kit

Schedule

Currently, there are no public classes scheduled. Please contact a Phoenix TS Training Consultant to discuss hosting a private class at 301-258-8200.

Program Level

Intermediate

Training Delivery Methods

Group Live

Duration

5 Days / 32 hours Training

CPE credits

26 NASBA CPE Credits

Field of Study

Information Technology

Advanced Prep

N/A

Course Registration

Candidates can choose to register for the course by via any of the below methods:

- Email: Sales@phoenixts.com
- Phone: 301-582-8200
- Website: www.phoenixts.com

Upon registration completion candidates are sent an automated course registration email that includes attachments with specific information on the class and location as well as pre-course study and test preparation material approved by the course vendor. The text of the email contains a registration confirmation as well as the location, date, time and contact person of the class.

Online enrolment closes three days before course start date.

On the first day of class, candidates are provided with instructions to register with the exam provider before the exam date.

Complaint Resolution Policy

To view our complete Complaint Resolution Policy policy please click here: Complaint Resolution Policy

Refunds and Cancellations

To view our complete Refund and Cancellation policy please click here: Refund and Cancellation Policy

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Course Outline

Configuration Management and Chef

- What is configuration management?
- Why you need a configuration management tool to automate IT
- Why Chef may be a good tool for your enterprise

Configure your Chef Development Environment

- Installing and configuring all the tools necessary to write Chef automation code
- Supported development environments:
    - Linux
    - Mac OS X
    - Windows

Ruby and Chef Syntax

- Ruby overview
- Ruby syntax

Write your First Chef Recipe

- Create a directory structure for your code
- Write your first Chef recipe
- Verify your first Chef recipe
- Recipe specify desired configuration

Manage Sandbox Environments with Test Kitchen

- Installing Vagrant and VirtualBox
- Host versus Guest
- Introducing Test Kitchen
- Spinning up your first virtual machine
- YAML overview
- Test Kitchen Configuration with .kitchen.yml

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Manage Nodes with Chef Client

- Create a New Sandbox Environment For a Node
- Installing Chef Client with Test Kitchen
- Your first Chef-Client run
- Chef Client modes
- Ohai
- Accessing node information

Attribute

- Motd-Attributes Cookbook
- Setting Attributes
- Basic Attribute priority
- Include_Recipe
- Attribute precedence
- Debugging Attributes

Manage Multiple Nodes at Once with Chef Server

- How to install enterprise Chef server manually
- Install enterprise Chef server
- Introducing Idempotence
- Configure enterprise Chef server
- RSA key-pairs
- Testing the connection
- Bootstrapping a node

Community and the Chef-Client Cookbook

- Using community cookbooks
- Chef-Client cookbook
- Knife cookbook site plugin
- Manage Chef supermarket cookbooks on your Chef server using Knife cookbook site
- Chef-Client recipes
- Configure Knife to use a production SSL setup

Chef Zero

Search

- Search from the Command Line
- Search from the Command Line with Knife
- Search in a Recipe Using Test Kitchen

Data Bags

- Basic command line Data Bag usage with Knife
- Creating local users based on Data Bag items in a recipe
- Encrypted Data Bags
- Chef-Vault

Roles

- Create a web server role
- Attributes and roles
- Roles and Search
- Role cookbook

Environments

- Create a Dev environment
- Attributes and environments

Testing

- Testing your Chef automation code
- Testing rationale

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Included in this **Chef Essentials**

- 2 days instructor-led training
- Chef Essentials training book
- Notepad, pen and highlighter
- Variety of bagels, fruits, doughnuts and cereal available at the start of class*
- Tea, coffee and soda available throughout the day*
- Freshly baked cookies every afternoon*