DevOps Engineering on AWS

Overview

DevOps Engineering on AWS covers the core principles of the DevOps methodology and examines a number of use cases applicable to startup, small-medium business, and enterprise development scenarios.

Prerequisite Comments

Prerequisites for this course include: attending the System Operations on AWS course, attending the Developing on AWS course, working knowledge of one or more high-level programming languages (C#, Java, PHP, Ruby, Python, etc.), intermediate knowledge of administering Linux or Windows systems at the command-line level, & working experience with AWS using both the AWS Management Console and the AWS Command Line Interface (AWS CLI).

Target Audience

This course is suitable for System Administrators and Software Developers.

Course Objectives

Skills learned in this course include:
- Design and implement an infrastructure on AWS that supports one or more DevOps development projects
- Use AWS CloudFormation and AWS OpsWorks to deploy the infrastructure necessary to create development, test, and production environments for a software development project
- Set up Git on AWS and understand the array of options for enabling a Continuous Integration environment on AWS
- Implement several common Continuous Deployment use cases using AWS technologies, including blue/green deployment and A/B testing
- Distinguish between the array of application deployment technologies available on AWS (including AWS CodeDeploy, AWS OpsWorks, AWS Elastic Beanstalk, and Amazon EC2 Container Service), and decide which technology best fits a given scenario
- Fine tune the applications you deliver on AWS for high performance

Course Outline

Register Online

Schedule

Class Length: 3 Days

G2R = “Guaranteed to Run” | OLL = “Online LIVE”
ILT = “Instructor-Led-Training”

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Type</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>07/30/19</td>
<td>6:00AM - 2:00PM</td>
<td>NHCLC</td>
<td>OLL</td>
<td>$2,025.00</td>
</tr>
<tr>
<td>08/20/19</td>
<td>9:00AM - 5:00PM</td>
<td>NHCLC</td>
<td>OLL</td>
<td>$2,025.00</td>
</tr>
<tr>
<td>09/10/19</td>
<td>6:00AM - 2:00PM</td>
<td>NHCLC</td>
<td>OLL</td>
<td>$2,025.00</td>
</tr>
<tr>
<td>09/18/19</td>
<td>9:00AM - 5:00PM</td>
<td>NHCLC</td>
<td>OLL</td>
<td>$2,025.00</td>
</tr>
<tr>
<td>10/02/19</td>
<td>7:00AM - 3:00PM</td>
<td>NHCLC</td>
<td>OLL</td>
<td>$2,025.00</td>
</tr>
<tr>
<td>10/16/19</td>
<td>6:00AM - 2:00PM</td>
<td>NHCLC</td>
<td>OLL</td>
<td>$2,025.00</td>
</tr>
<tr>
<td>11/05/19</td>
<td>6:00AM - 2:00PM</td>
<td>NHCLC</td>
<td>OLL</td>
<td>$2,025.00</td>
</tr>
<tr>
<td>11/25/19</td>
<td>6:00AM - 2:00PM</td>
<td>NHCLC</td>
<td>OLL</td>
<td>$2,025.00</td>
</tr>
<tr>
<td>12/16/19</td>
<td>9:00AM - 5:00PM</td>
<td>NHCLC</td>
<td>OLL</td>
<td>$2,025.00</td>
</tr>
</tbody>
</table>

Register Online
Day 1
What is DevOps?
Infrastructure as Code; Part 1: Design and Security
Infrastructure as Code; Part 2: CloudFormation and Configuration Management

Day 2
Continuous Integration in the Cloud
Continuous Delivery on AWS
Deploying Applications on AWS; Part 1

Day 3
Deploying Applications on AWS, Part
Putting It All Together
Performance-Tuning Your Deployments
Administering and Automating Your Infrastructure