Kubernetes Essentials

Duration: 2 Days

DESCRIPTION

Learn about the impact that Containers and Container Orchestrations are having on how software is being designed, developed, packaged and delivered. This course aims to educate participants on the concept of Container Orchestration via Kubernetes. It is aimed at helping developers understand why we need a Container Orchestrator and then quickly learn about the various aspect of Kubernetes and how it helps in addressing the issues faced otherwise.

This is a foundation level course and is a pre-requisite to take up Kubernetes – CKAD and Kubernetes – CKA courses.

OBJECTIVES

• Overview of why we need Kubernetes and what Kubernetes is
• Overview of Kubernetes Architecture
• Understand Kubernetes Pods
• Understand Kubernetes Services
• Learn about State Persistence in Kubernetes
• Understand various types of Controllers and how to use them
• Understand various options that exist for Pod Scheduling and how to use them
• Understand various options that exists for cluster maintenance and how to use them

WHO SHOULD ATTEND

- IT Professionals who want to gain complete understanding of Kubernetes

- IT Professionals who want to understand how to prepare containerized application for Kubernetes

- IT Professionals who want to understand the Kubernetes core API objects to configure their application

- System Administrators who want to understand how to manage containerized applications in a cluster

PREREQUISITES

- Knowledge of basic unix / linux commands will be good to have

- Valid AWS account and individual credentials to create EC2 instances

- Should have knowledge to create AWS EC2 instances and should know how to access EC2 instances via SSH

- Should have attended Docker Essentials course or have very good, hands-on knowledge of Docker Containers

TESTIMONIALS

" Best training center to learn AWS Cloud Computing Services in India. Training was excellent and trainer has good knowledge about the real world market and used these cases to explain the course content. "
- Santosh (NOC Lead, CA Technologies)

" Good faculty, great atmosphere, great examples, made my life easier. Wish to advice friends & colleagues to join CloudThat. Great going, keep up the good work. Wish you a great success. "
- Veerendra (Assistant Manager, Accenture)

" Excellent training, there were lot of things to learn even for experienced AWS user. Trainer has very good knowledge and was able to explain real scenarios which were very good. "
- Srinivasa Rao (Technical Manager, Samsung Research India Bangalore)

For training inquiry,
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