Introduction to Kubernetes using Docker

Modality: On Demand

Duration: 5 Hours

About this Course:

Docker has significantly changed the functioning of those who routinely upload, install, and handle software apps for the better. This made things far less complex and removed practically all stress associated. Today, Kubernetes has made the experience even simpler. Would like to explore how to organize your submission, and then automate it from beginning to end? Then take this course!

Course Objective:

- Download Kubernetes and Docker cluster from zero
- Discover how to effectively run and administer containers
- Develop Kubernetes pods, clusters and services
- Construct Docker artifacts and build Docker Hub from zero
- Build multi-component application software quickly and effectively.

Targeted Audience:

The targeted audience of this course is developer and programmer working especially in a DevOps cultured organization.

Prerequisite:

1. Stable internet connection
2. A valid credit card to start a free of cost trial on Google Cloud
3. Entry level understanding of modern technology.

Recommended Prerequisite Courses

Introduction to Docker

What You'll Learn…

You'll begin by familiarizing yourself with Google Cloud, Kubernetes, and Docker knowing what they're doing and how they're going to be used. Next, you will look closely at the two most critical instruments, Kubernetes and Docker. After you have a good understanding of how it works, you will be going on to the projects of the course. Using Google Cloud, you can install WordPress which involves building Docker files, photos, and containers alongside live deployment of the site.

Then you will build and setup a front-end and back-end slave and master nodes with duplication controllers; Kubernetes-managed apps via VM cluster. Still confused? Do not worry, at every stage,

you will receive hands-on instruction to lead you in the correct direction.

You'll learn what containers are in the end of the course, and more than one approach of using them to deliver applications quicker. Here you will learn all you need to know regarding Kubernetes and Docker and you will never have to think about ever again using either one for your software application program!

About Kubernetes and Docker

Docker is the leading containerisation software site today. It loads the code into a structured unit and bundles it into a full file system containing all you need to operate on a network. Kubernetes is a Google-created framework for automating the scaling, deployment, and managing of containerized apps (like those developed by Docker).

After combining these two, it will be a cup of cake to install, transport, as well as maintain complex software apps.

Course Outline:

- Course Introduction
- Getting Started
- Working with Docker
- All About Kubernetes
- Real World Projects
- Conclusion