

Software Containerization and Intro to Docker

Modality: On Demand

Duration: 20 Hours

About this course:

Managing multiple infrastructures along with their configuration and to put them into working order can be quite complicated. Adoption of software containerization remains the only suitable option to simplify the deployment and management process. Docker Technology, with the initial release in March, is an open-source platform designed to easily facilitate the building and distribution of applications into the containers. Over the time of its release, the use of Docker containers has increased.

Today, the modern world is connected and the use of digital technology like mobile computing has rapidly increased. To fulfill the demanding requirements of the modern era, mobile and web applications are carefully designed by the teams of experts. In order to cater to the people around the world, these apps with a suite of services and APIs, are then distributed globally.

The suite of services utilizes a wide array of stacks however, these services do not rely on each other. The services are clustered together connecting thousands of servers (nodes). Moreover, the end user have easy access to these services and can use them over the cloud and on open web using digital gadgets like mobile phones, tablets and desktops.

Today, having fundamental knowledge and knowing how these demanding technology tools work and to work with them holds great value in your career. According to the latest statistics, the expertise and skill in docker is in high demand. The companies in the US are willing to pay as high as \$100,000 per annum. The stats also show the staggering numbers of job posts looking for skills in Docker.

Audience:

The target audience for this course are:

- Developers
- Architects: Software and Information Technology
- Engineers of Software and network
- Information technology experts or CIOs, CTOs gurus looking to use cloud computing in their organization
- IT administrators

Prerequisite:

This course required for the attendee to have a prior knowledge in the following to complete the course:

- Fundamental know-how of Linux
- Basic knowledge of Vagrant tool

Course Outline:

Following are the course outline for this course:

- Introduction
 - Introduction
 - Get ready for Docker
- Containerization of Apps and Docker
 - Containerization of Apps
 - Evolution of Software Deployment
 - Introduction to Docker
 - Docker Installation
 - Docker Concepts and Terms