CN120:
Kubernetes Application Essentials

Duration: 2 Days

Course description

Whether your focus is on developing containerized applications or managing a container-centric infrastructure, CN120 introduces Kubernetes container orchestration for everyone involved in the software development life cycle. Through a real-world approach for design and deployment considerations, students can expect to learn about the foundational Kubernetes components required for application workloads. Specifically, students will examine Kubernetes architecture, explore how Kubernetes objects work together for running an application, and learn how Kubernetes makes use of computing, networking, and storage resources.

Course Objectives

- Make effective use of pod architecture

- Deploy workloads as Kubernetes controllers

- Provision configuration at runtime to Kubernetes workloads

- Network pods together across a cluster using native services

- Provision of highly available storage to Kubernetes workloads

- Package an application as a Helm chart