Course Description
This one-day workshop provides an overview of Containers today. Learn about Docker, Kubernetes, and RedHat’s OpenShift and how Microservices are changing today’s digital landscape.

Who Should Attend
+ Data Center Architects
+ Solution Architects
+ Network Engineers
+ System Administrators
+ Storage Administrators

Prerequisites
+ Understanding of Linux Operating System Administration
+ Familiarity with Basic Network Concepts (TCP/IP, Layer 2 and Layer 3 Networking)
+ Familiarity with Server Virtualization
+ Familiarity with Storage Concepts
+ Familiarity with Container Concepts

Course Content

Module 1: Introduction to Containers
+ Container Overview
+ Containers vs. VMs
+ Monoliths to Microservices
+ Container Orchestration Engines

Module 2: Introduction to Docker
+ Docker Architecture and Components
+ Docker Images and Dockerfile

Module 3: Container Orchestration Engines
+ Docker UCP
+ Kubernetes
+ RedHat OpenShift

Module 4: Container Networking
+ Kubernetes CNI Plugins
+ East-West Traffic Flow
+ North-South Traffic Flow
+ Exposing Services