

DevOps in the Data Center (DODC)

Module 1: Introduction

- Containerization (centered on Docker)
 - Compare containers vs VM
 - Docker concepts
 - Quick examples of use
 - Adoption
- Orchestration (centered on Kubernetes)
 - Kubernetes concepts
 - Quick examples of use
 - Adoption
- Automation & Configuration Management (centered on Ansible)
 - Ansible concepts
 - Quick examples of use
 - Adoption

Module 2: Software Management and Deployment with Docker

- Docker benefits
- Docker concepts
- Docker deployment model
 - Images and containers
 - Deploying software
 - Publishing to, and installing from, Docker Hub and other registries

Module 3: Container Coordination with Kubernetes

- Kubernetes benefits
- Kubernetes concepts
- Kubernetes deployment model
 - Clusters
 - Pods
 - Persistent storage

Module 4: Process Automation with Ansible

- Ansible benefits
- Ansible concepts
- Ansible structures and configuration
 - Inventory
 - Modules
 - Playbook
- Controlling Ansible operations

Module 5: Benefits with NetApp Technologies

- nDVP
- Trident and Cloud Volumes ONTAP
- Using Docker with FlexGroup volumes

- NetApp Kubernetes Service