

Cisco Elastic Services Controller (ESC300) v2.0

Outline:

- Cisco ESC Architecture
 - Cisco ESC Architecture in the European Telecommunications Standards Institute (ETSI) Management and Orchestration (MANO) Framework
 - VNF Lifecycle in Cisco ESC
- Cisco ESC Installation and Upgrade
 - Cisco ESC Installation on OpenStack
 - Cisco ESC Upgrade on OpenStack
 - Cisco ESC High Availability on OpenStack
 - Cisco ESC Installation on VMware and Kernel-based Virtual Machine (KVM)
 - Cisco ESC Post-Installation Tasks
- Managing VM Resources in Cisco ESC
 - VM Resource Management Overview
 - Managing Tenants
 - Managing Networks and Subnets
 - Managing Images and Flavors
- Deploying and Configuring Virtual Network Functions
 - Deployment Data Model
 - Day-Zero Configuration
 - Placement Rules
 - Deploying VNFs in OpenStack
 - Deploying VNFs in VMware
 - Deployment Notifications
- Monitoring, Scaling, and Healing Virtual Network Functions
 - Cisco ESC Key Performance Indicator (KPI) and Rules Data Model
 - Monitoring VNF Health and Healing
 - Monitoring VNF Load and Scaling
 - Custom Metrics and Actions
 - Dynamic Mapping

- VNF Operations
- Cisco ESC Integration
 - Cisco ESC Northbound APIs
 - Cisco NSO Integration
 - Virtual Multiprotocol Label Switching (MPLS) VPN
 - Resource Manager
 - VM Management Service

Lab outline

- Installing Cisco ESC on OpenStack
- Managing VNFs on OpenStack with Cisco ESC
- Deployment Scaling
- Custom Metrics and Custom Actions
- Cisco ESC Integration with Cisco NSO