

# CCNP DATACENTER – Networking with Nexus

## 1.0 Network

### 1.1 Apply routing protocols

- 1.1.a OSPFv2, OSPFv3
- 1.1.b MP-BGP
- 1.1.c PIM
- 1.1.d FHRP

### 1.2 Apply switching protocols such as RSTP+, LACP and vPC

### 1.3 Apply overlay protocols such as VXLAN EVPN and OTV

### 1.4 Apply ACI concepts

- 1.4.a Fabric setup
- 1.4.b Access policies
- 1.4.c VMM
- 1.4.d Tenant policies

### 1.5 Analyze packet flow (unicast, multicast, and broadcast)

### 1.6 Analyze Cloud service and deployment models (NIST 800-145)

### 1.7 Describe software updates and their impacts

- 1.7.a Disruptive / nondisruptive
- 1.7.b EPLD
- 1.7.c Patches

### 1.8 Implement network configuration management

### 1.9 Implement infrastructure monitoring such as NetFlow and SPAN

### 1.10 Explain network assurance concepts such as streaming telemetry

## **CCNP DATACENTER – Networking with Nexus**

### **2.0 NXOS**

#### **2.1 DCNM**

#### **2.2 Managing DC networks with DCNM**

#### **2.3 Easy NXOS Fabric with DCNM**

#### **2.4 Overlay Management**

- **2.4a VXLAN**
- **2.4b VXLAN vPC**
- **2.4c VXLAN Multi-Site**
- **2.4d Troubleshooting with VXLAN**
- **2.4 e Building VXLAN Data Centers**

#### **2.5 End to End QOS**

#### **2.6 Micro segmentation in DC**

#### **2.7 Visibility & Monitoring**



**NOA solutions Hyderabad, INDIA. WhatsApp +91 7036826345**

**[www.noasolutions.com](http://www.noasolutions.com)**