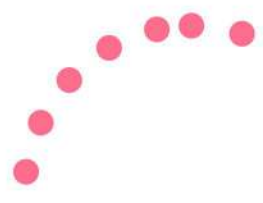
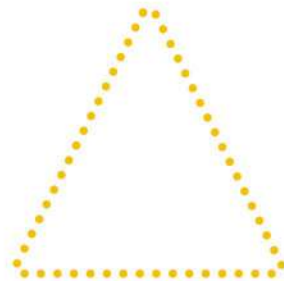


Nuage Networks Virtualized Network Services (VNS) Operations



Online Course

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Nuage Networks Virtualized Network Services (VNS) Operations

Course Modules

1. Nuage Networks Product Portfolio Introduction

- Nuage Networks Product Portfolio
- Virtualized Services Directory (VSD)
- Virtualized Services Controller (VSC)
- Network Services Gateway (NSG)
- NSG deployment
- NSG Border Router and Underlay Border Router (BR/UBR)

2. Management Network Maintenance

- Management network concepts
- Configuration of management interfaces
- NSG management
- XMPP session requirements
- XMPP session encryption

3. Underlay Network Maintenance

- Underlay network concepts
- OpenFlow session requirements
- BGP session requirements
- NSG and VSC BGP Verification
- NSG control security
- NSG Underlay Connectivity Tests



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4.Overlay Network Maintenance

- Overlay network concepts
- VXLAN transport tunnels
- Backhaul VPLS
- NAT Traversal
- NSG DHCP

5.Statistics Collection and AAR

- Statistic collection rules
- Flow logging per ACL entry
- Virtualized Security Services (VSS) Analytics
- Application Aware Routing (AAR)
- Application Signature Library Updates

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6. Troubleshooting Tools

- VSD Monit Service Manager
- VSD Monitoring Console
- VSD Alarms
- VSD and NSG Logs
- Logs for SR-OS-Based Components
- Accessing the VSD using REST APIs
- VSP Software Programming Kit (VSPK)
- Traffic Mirroring
- Overlay Syslog and Overlay OAM Tools

7. Backup and Restore Procedures

- Backup and restore of the VSD database

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