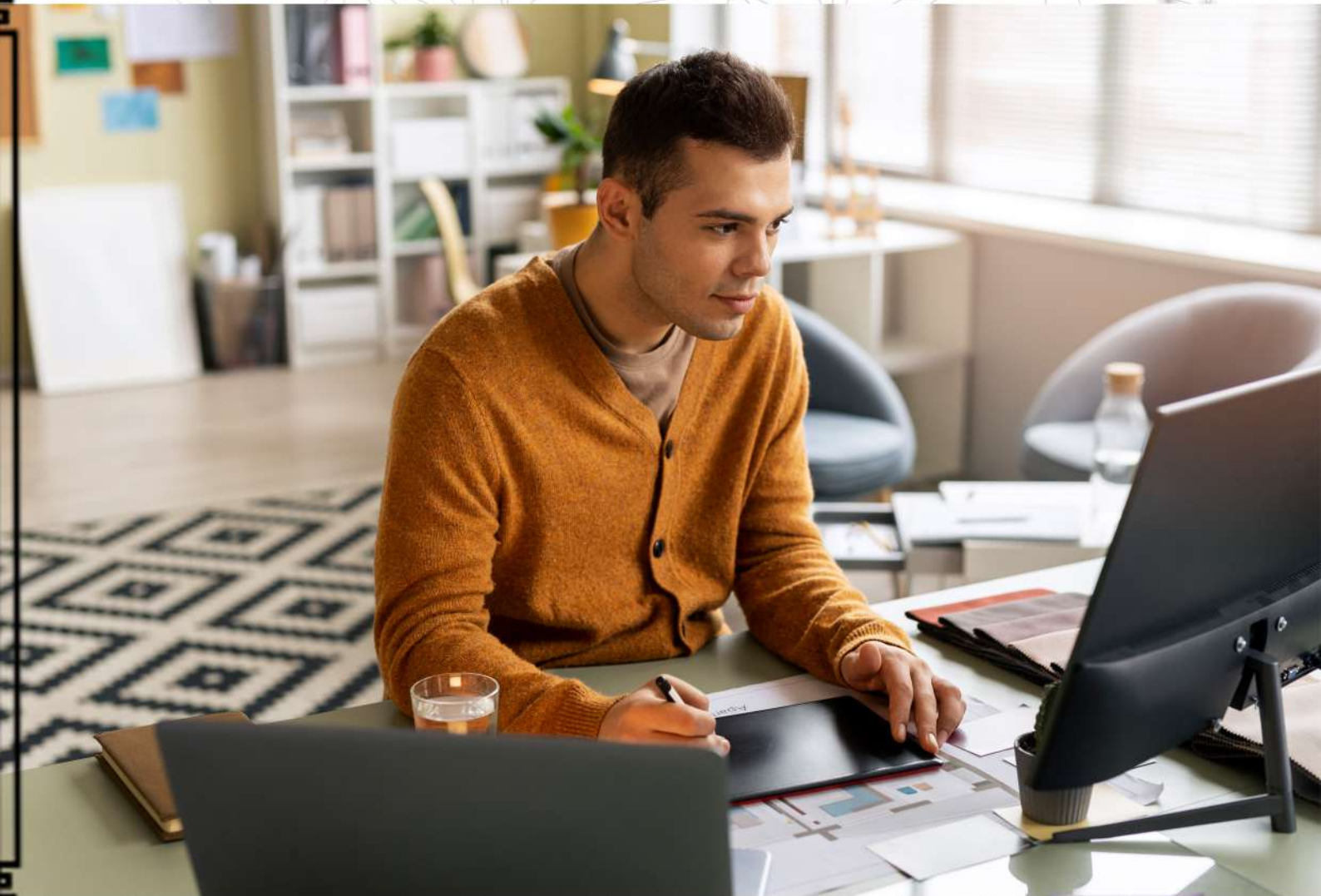
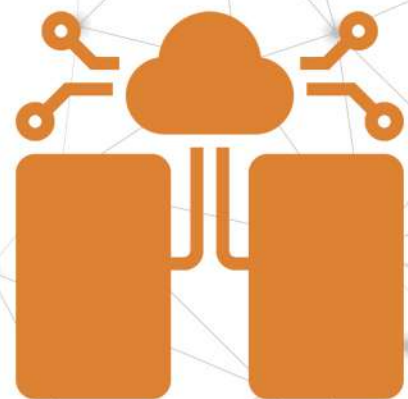


DCCOR – CCNP Data Centre



Online Course



ZETLAN TECHNOLOGIES
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Course Modules

1. Apply routing protocols

- OSPFv2 and OSPFv3
- MP-BGP
- PIM
- FHRP

2. Apply switching protocols

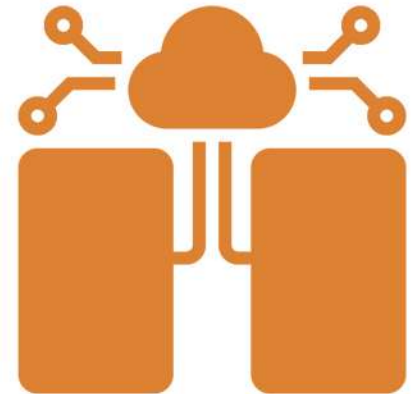
- RSTP+
- LACP
- vPC

3. Apply overlay protocols

- VXLAN
- EVPN

4. Apply ACI concepts

- Fabric setup
- Access policies
- VMM

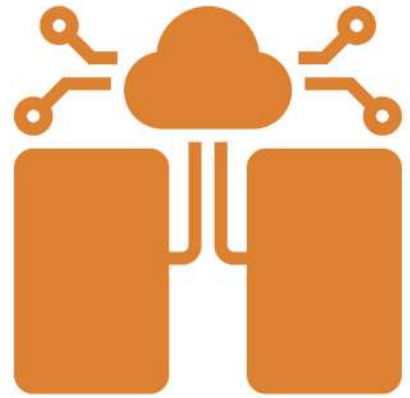


Zetlan Technologies



5. Analyze packet flow

- Unicast
- Multicast
- Broadcast



6. Describe Cloud service and deployment models

- NIST 800-145

7. Describe software updates and their impacts

- Disruptive / nondisruptive
- EPLD
- Patches

8. Implement Network Configuration Management

- Implement Infrastructure Monitoring such as NetFlow and SPAN
- Explain Network Assurance concepts such as Streaming Telemetry

9. Storage Network

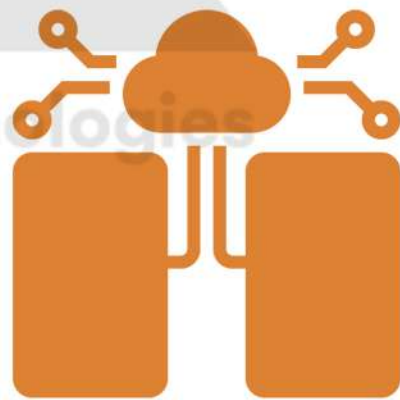
- Implement FCoE Unified Fabric
- Describe NFS and NAS concepts
- Describe software updates and their impacts
- Implement infrastructure monitoring

9. Compute

- Implement Cisco Unified Compute System Rack Servers
- Implement Cisco Unified Compute System Blade Chassis
- Initial setup
- Infrastructure management
- Network management (VLANs, Pools and Policies, Templates, QoS)
- Storage management (SAN Connectivity, Fibre Channel Zoning)
- Server management (Server Pools and Boot Policies)
- Explain Hyperflex Infrastructure Concepts and benefits
- Firmware & software updates & their impacts on B-Series & C-Series
- Implement compute config management (Backup & restore)
- Implement infrastructure monitoring such as SPAN & Cisco Intersight

10. Implement Fibre Channel

- Switch fabric initialization
- Port channels
- FCID
- CFS
- Zoning
- FCNS
- Device alias
- NPV and NPIV
- VSAN

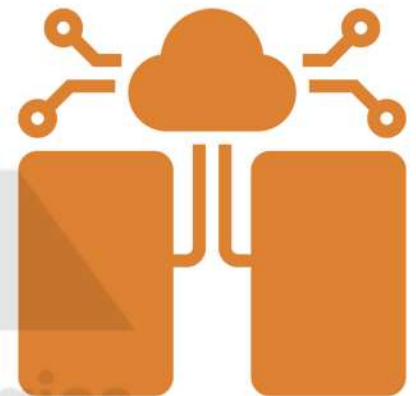


12. Implement automation and scripting tools

- EEM
- Scheduler
- Bash Shell and Guest Shell for NX-OS
- REST API (NX-API, JSON and XML encodings)
- On-box Python

13. Evaluate automation and orchestration technologies

- Ansible
- Python
- POAP
- Cisco Nexus Dashboard Fabric Controller
- PowerShell
- Terraform



14. Apply network security

- AAA and RBAC
- ACI contracts and micro segmentation
- First-hop security features
- Keychain authentication

15. Apply compute security

- AAA and RBAC

16. Apply storage security

- AAA and RBAC
- Port security
- Fabric binding





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