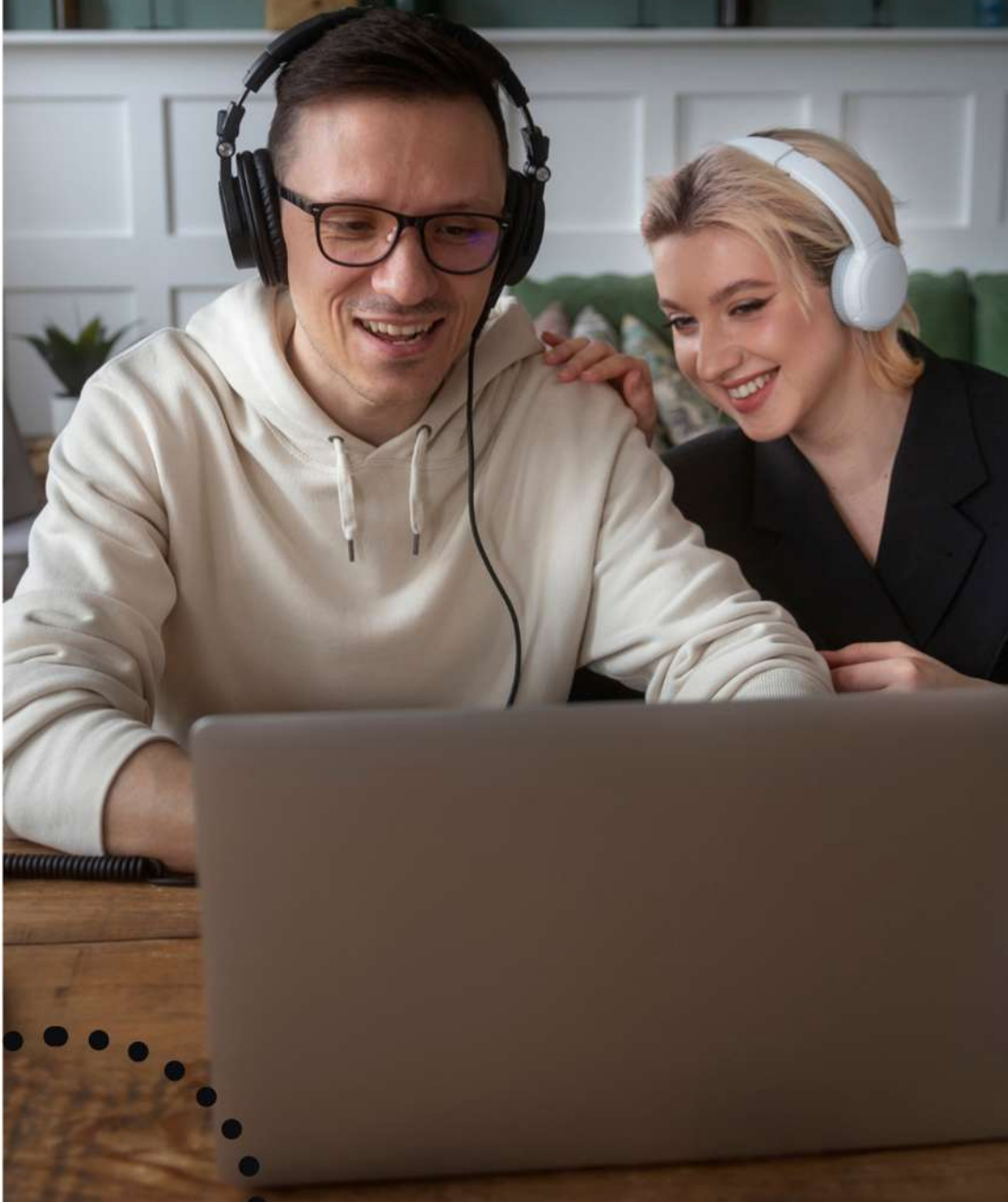


Nuage Networks OpenStack Integration



Online Course

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Nuage Networks OpenStack Integration

Course Modules

1. OpenStack/Nuage Networks Architecture

- Examine OpenStack/Nuage Networks components
- Lab – Exploring OpenStack and VSD components

2. OpenStack/Nuage Networks Deployment

- Nuage Networks Plugin & their integration with OpenStack
- Verify OpenStack/Nuage Networks deployment
- Lab – Troubleshooting integration issues

3. OpenStack Private Networks

- Configure OpenStack networks and Nuage Networks L2 domains
- Lab – Connect VMs using an OpenStack-Managed L2 network
- Configure OpenStack routers and Nuage Networks L3 domains
- Lab – Connect VMs using an OpenStack-Managed L3 network



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4. External Networks and Gateways

- OpenStack Security Groups and Nuage Networks Security Policies
- Lab – Security in VSD-Managed network, security in OpenStack
- External Networks Access
 - o Data Center Gateway with BGP EVPN support
 - o Seamless integration of VXLAN gateway configuration
- Lab – OpenStack-managed and VSD-Managed VXLAN Gateway
 - o Local breakout and SNAT to external networks
- Lab – Local breakout to the underlay and SNAT
 - o Floating IP access to external networks
- Lab – FIP assignment to a VM

5. Advanced Capabilities

- Service Chaining
- Nuage integration with Ironic Bare Metal Server
- Automated SRIOV orchestration for Telco Cloud VNFs
- The Nuage REST API and VSPK development toolkit
- Lab – Rest API and VSPK
- Nuage integration with OpenStack Heat orchestration
- Lab – Heat orchestration

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