

NSO Advanced for Python Programmers (NSO300)

Course Content:

Module 1: Cisco NSO Programmability

- NSO Application Framework
- NSO Python Scripting
- NSO Python and Template-Based Services
- Resources

Module 2: Augmenting Cisco NSO Service

- Service Lifecycle and Integration Options Overview
- Greenfield Layer 3 MPLS VPN Service
- Brownfield Layer 3 MPLS VPN Service

Module 3: Managed Services

- Managed Services Overview
- Stacked Service Design Overview
- Design-Managed Network Services
- Scaling Service Orchestration

Module 4: Cisco NSO Network Functions Virtualization (NFV) Orchestration

- ETSI MANO
- Cisco ESC
- Cisco NSO Orchestration

Lab outline

- Lab 1: Device Setup Using Python Script
- Lab 2: Create an SVI Service Using pre_modification Service Callback
- Lab 3: Create a L3VPN Service Using Dynamic ID Allocation
- Lab 4: L3VPN Service Upgrade
- Lab 5: Stacked Services
- Lab 6: Service Action
- Lab 7: ESC Integration
- Lab 8: NFV for the DMZ Service