

# Learning Services

## Cisco NSO 4.2 New Features Including Python APIs



The Cisco NSO 4.2 New Features Including Python APIs<sup>1</sup> (NSO301) course is a virtual instructor-led, lab-based, hands-on course offered by Cisco® Learning Services. The course updates learners on the new Python API features available in Cisco Network Services Orchestrator (NSO) 4.2. Also covered are other new features and changes in NSO 4.2. After the training, learners can use the self-paced lab guide and practice using the new APIs.

### Duration

Virtual instructor-led training (VILT): 1 day

### Target audience

The primary audience for this course is system installers, system integrators, system administrators, network administrators, and solutions designers.

### Objectives covered

- Describe the Python high-level and low-level APIs available in Cisco NSO 4.2
- Use the Python APIs to implement the service mapping logic
- Use the Python APIs to implement a Reactive Fastmap subscriber
- Use the NFV Orchestrator (NFVO) bundle

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<sup>1</sup> Course content is dynamic and subject to change without notice.

## Recommended prerequisites

Cisco recommends that you have the following prerequisite knowledge and skills:

- Knowledge and skills that can be obtained by attending the Cisco Network Services Orchestrator (NSO) Advanced Design (NSO300) class or equivalent
- Understanding of Cisco NSO components
- Knowledge of the device manager and network element drivers
- Knowledge of the service manager and service packages
- Familiarity with Python

## Course outline

- Module 1: Python APIs
  - Maapi, Maagic
  - Implementing mapping logic
- Module 2: NSO 4.2 changes
  - API changes
  - Kicker
  - NFVO bundle

## Lab outline

- Lab: Create a Simple Cloud Service Bundle

## Registration

For more information about schedules and registration for this course, contact [aeskt\\_registration@cisco.com](mailto:aeskt_registration@cisco.com).

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## Websites for more information

For more information, visit the following websites:

- Cisco Learning Services for Cisco products and technologies: <http://www.cisco.com/go/cls>
- Security training: <http://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/security.html>
- Data center training: <http://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/data-center.html>
- Network management training: <http://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/network-management.html>

- Optical networking training: <http://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/optical.html>
- Service provider mobility training: <http://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/mobile.html>
- Routing training for service providers: <http://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/service-provider-routing.html>
- Broadband video training for service providers: <http://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/service-provider-video.html>

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