Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC) v1.1

Category: Software Development & Programming | **Vendor:** Cisco

Duration: 5.00 hours (1 days) **4.1 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	vILT
Certification:	Cisco Certified DevNet Associate
Related Exam:	200-901

Course Overview

The Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC) v1.1 Training Course will help you to configure network apps and implement automation workflows for networks, security, and collaboration functions. The course allows network automation engineers to get well-versed with Cisco APIs, modern networking tools, software development practices, troubleshooting tools, and more.

About This Course

The Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC) v1.1 Training Course will help you to configure network apps and implement automation workflows for networks, security, and collaboration functions. The course allows network automation engineers to get well-versed with Cisco APIs, modern networking tools, software development practices, troubleshooting tools, and more.

Who Should Attend

Explore the DevNet Certification area for specific topics and labs related to this course and certification: https://developer.cisco.com/certification/

Prerequisites & Entry Requirements

General Prerequisites:

Basic computer literacy, Basic PC operating system navigation skills, Basic Internet usage skills, Hands-on experience with a programming language (specifically Python)

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Course ObjectivesDescribe the importance of APIs and use of version control tools in modern software developmentDescribe common processes and practices used in software developmentDescribe options for organizing and constructing modular softwareDescribe HTTP concepts and how they apply to network-based APIsApply Representational State Transfer (REST) concepts to integration with HTTP-based APIsDescribe Cisco platforms and their capabilitiesDescribe programmability features of different Cisco platformsDescribe basic networking concepts and interpret simple network topologyDescribe interaction of applications with the network and tools used for troubleshooting issuesApply concepts of model-driven programmability to automate common tasks with Python scriptsIdentify common application deployment models and components in the development pipelineDescribe common security concerns and types of tests, and utilize containerization for local developmentUtilize tools to automate infrastructure through scripting and model-driven programmability, Course ObjectivesDescribe the importance of APIs and use of version control tools in modern software developmentDescribe common processes and practices used in software developmentDescribe options for organizing and constructing modular softwareDescribe HTTP concepts and how they apply to network-based APIsApply Representational State Transfer (REST) concepts to integration with HTTP-based APIsDescribe Cisco platforms and their capabilitiesDescribe programmability features of different Cisco platformsDescribe basic networking concepts and interpret simple network topologyDescribe interaction of applications with the network and tools used for troubleshooting issuesApply concepts of model-driven programmability to automate common tasks with Python scriptsIdentify common application deployment models and components in the development pipelineDescribe common security concerns and types of tests, and utilize containerization for local developmentUtilize tools to automate infrastructure through scripting and model-driven programmability, Course ObjectivesDescribe the importance of APIs and use of version control tools in modern software developmentDescribe common processes and practices used in software developmentDescribe options for organizing and constructing modular softwareDescribe HTTP concepts and how they apply to network-based APIsApply Representational State Transfer (REST) concepts to integration with HTTP-based APIsDescribe Cisco platforms and their capabilitiesDescribe programmability features of different Cisco platformsDescribe basic networking concepts and interpret simple network topologyDescribe interaction of applications with the network and tools used for troubleshooting issuesApply concepts of model-driven programmability to automate common tasks with Python scriptsIdentify common application deployment models and components in the development pipelineDescribe common security concerns and types of tests, and

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Detailed Course Outline

Practicing Modern Software Development — Lecture, Practicing Modern Software Development — Lecture, Practicing Modern Software Development — Lecture, Describing Software Development Process — Self-study, Describing Software Development Process — Self-study, Describing Software Development Process — Self-study, Designing Software — Self-study, Designing Software — Self-study, Designing Software — Self-study, Introducing Network-Based APIs — Lecture, Introducing Network-Based APIs — Lecture, Introducing Network-Based APIs — Lecture, Consuming REST-Based APIs — Lecture, Consuming REST-Based APIs — Lecture, Consuming REST-Based APIs — Lecture,

Employing Programmability on Cisco Platforms — Lecture, Employing Programmability on Cisco Platforms — Lecture, Employing Programmability on Cisco Platforms — Lecture, Introducing Cisco Platforms — Self-study, Introducing Cisco Platforms — Self-study, Introducing Cisco Platforms — Self-study, Describing IP Networks (ELT only) — Self-study, Describing IP Networks (ELT only) — Self-study, Describing IP Networks (ELT only) — Self-study, Relating Network and Applications — Lecture, Relating Network and Applications — Lecture, Relating Network and Applications — Lecture, Employing Model-Driven Programmability with YANG — Lecture, Employing Model-Driven Programmability with YANG — Lecture, Employing Model-Driven Programmability with YANG — Lecture, Deploying Applications — Lecture, Deploying Applications — Lecture, Deploying Applications — Lecture, Testing and Securing Applications — Lecture, Testing and Securing Applications — Lecture, Testing and Securing Applications — Lecture, Automating Infrastructure — Lecture, Automating Infrastructure — Lecture, Automating Infrastructure — Lecture, Lab Outline, Lab Outline, Lab Outline, Practicing Modern Software Development — Lecture, Practicing Modern Software Development — Lecture, Practicing Modern Software Development — Lecture, Describing Software Development Process — Self-study, Describing Software Development Process — Self-study, Describing Software Development Process — Self-study, Designing Software — Self-study, Designing Software — Self-study, Designing Software — Self-study, Introducing Network-Based APIs — Lecture, Introducing Network-Based APIs — Lecture, Introducing Network-Based APIs — Lecture, Consuming REST-Based APIs — Lecture, Consuming REST-Based APIs — Lecture, Consuming REST-Based APIs — Lecture, Employing Programmability on Cisco Platforms — Lecture, Employing Programmability on Cisco Platforms — Lecture, Employing Programmability on Cisco Platforms — Lecture, Introducing Cisco Platforms — Self-study, Introducing Cisco Platforms — Self-study, Introducing Cisco Platforms — Self-study, Describing IP Networks (ELT only) — Self-study, Describing IP Networks (ELT only) — Self-study, Describing IP Networks (ELT only) — Self-study, Relating Network and Applications — Lecture, Relating Network and Applications — Lecture, Relating Network and Applications — Lecture, Employing Model-Driven Programmability with YANG — Lecture, Employing Model-Driven Programmability with YANG — Lecture, Employing Model-Driven Programmability with YANG — Lecture, Deploying Applications — Lecture, Deploying Applications — Lecture, Deploying Applications — Lecture, Testing and Securing Applications — Lecture, Testing and Securing Applications — Lecture, Testing and Securing Applications — Lecture, Automating Infrastructure — Lecture, Automating Infrastructure — Lecture, Automating Infrastructure — Lecture, Lab Outline, Lab Outline, Lab Outline

Certification Path

Cisco Certified DevNet Associate

Exam: 200-901

Frequently Asked Questions

Q: What delivery options are available for Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC) v1.1?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC) v1.1 course helps prepare you for the Cisco Certified DevNet Associate certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the 200-901 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 1-day Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC) v1.1 course provides up to 4.1 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC) v1.1 training?

The training takes place over 1 day(s), with each day lasting approximately 5.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC) v1.1?

Yes, we provide corporate training, dedicated training, and closed classes for Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC) v1.1. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC) v1.1, Cisco, vILT

Q: Why choose Nexus Human for Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC) v1.1?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC) v1.1 training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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