

Developing Solutions using Cisco IoT and Edge Platforms (DEVIOT)

ID DEVIOT Preis 4.490,- € (exkl. MwSt.) Dauer 5 Tage

Zielgruppe

This course is designed primarily for network and software engineers who are interested in learning about automation and programmability and hold the following job roles:

- Network engineer
- Systems engineer
- Consulting systems engineer
- Technical solutions architect
- Network administrator
- IoT Designer
- Network manager
- Sales engineer

Empfohlenes Training für die Zertifizierung zum

Cisco Certified DevNet Professional (CCDNP)

Voraussetzungen

Before taking this course, you should have the following knowledge and skills:

- General software development or coding skills
- Basic functional and object-oriented programming skills
- Basic understanding of where applications live and how they are deployed in real-world scenarios
- Basic understand of how networking works
- Basic Linux OS skills: installing code language dependencies, installing code libraries, and general scripting
- Understanding of how to store code using git or another version-control system (VCS)

Kursziele

The Developing Solutions Using Cisco IoT and

Edge Platforms (DEVIOT) v1.0 course prepares you to develop Internet of Things (IoT) applications for Cisco® IoT edge compute and network architecture. Through a combination of lessons and hands-on experience, you will learn to implement and deploy Cisco IOx applications using Cisco Field Network Director and Cisco Kinetic. This course covers designing, deploying, and troubleshooting edge applications, and understanding the use of management tools, so you can control your industrial network and connected devices at scale. This course will prepare you for the 300-915 Developing Solutions Using Cisco IoT and Edge Platforms (DEVIOT) exam.

This course will help you:

- Use network programmability and automation to streamline applications to reduce data size and complexity and strengthen security protocols.
- Gain hands-on experience in maximizing MQ Telemetry Transport (MQTT) protocol for lower power usage, faster data transmission, and more agility in device usage.
- Prepare for the 300-915 DEVIOT exam

What to expect in the exam

The 300-915 DEVIOT exam certifies your knowledge and skills related to IoT application development as it pertains to Cisco IoT edge compute and network architecture, including Cisco IOx and Cisco Edge and Fog Processing Module (EFM), IoT Data Visualization, and security methods.

After you pass 300-915 DEVIOT, you earn the Cisco Certified DevNet Specialist - IoT certification,

and you satisfy the concentration exam requirement for the Cisco Certified DevNet Professional certification.

After taking this course, you should be able to:

- Explain the fundamentals of Cisco IoT and list common devices involved
- List the common protocols, standards, and data flows of IoT
- Explain the Cisco IoT, common needs, and the corresponding solutions
- Explain how programmability can be used to automate and make operations, deployment, and support of Cisco IoT more effective
- Describe common Cisco IoT applications and how they apply to Cisco IoT use cases
- Explain the functions and use cases for Cisco security applications and Cisco IoT

support of Cisco IoT more effective

Describing Cisco IoT Applications

Describe common Cisco IoT applications and how they apply to Cisco IoT use cases

Defining Cisco Security Applications

Describe Cisco security applications that form a foundation for Cisco IOT security design considerations

Kursinhalt

Defining Cisco IoT

Describe Cisco IoT and the motivations behind it, as well common standards and protocols used in IoT and Cisco IoT

IoT Networking and Other Devices

List common devices used with Cisco IoT

Examining IoT Protocols

List the common protocols used with IoT

Examining IoT Standards

Describe Cisco IoT common standards and protocols used in Cisco IoT

Recognizing Cisco IoT Needs and Solutions

Describe the fundamentals of Cisco IoT operations

Using Programmability with Cisco IoT

Explain how programmability can be used to automate and make operations, deployment, and

Über Fast Lane



Die weltweite Fast Lane-Gruppe ist Spezialist für Technologie- und Business-Training und Beratung im Highend-Bereich. Fast Lane ist autorisierter Trainingspartner führender Hersteller und bietet zudem eigene IT-Trainingsprogramme zu aktuellen Technologien und den wesentlichen Trends an. Herstellerübergreifende Beratungsleistungen reichen von vorbereitenden Analysen und Evaluierungen über die Konzipierung zukunftsweisender IT-Lösungen bis zum Projektmanagement und zur Umsetzung der Konzepte im Unternehmen. Training-on-the-Job und Weiterqualifizierung der zuständigen Spezialisten bei den Kunden verbinden die Kernbereiche der Fast Lane Dienstleistungen Training und Consulting.

Fast Lane Services

- ✓ Highend-Technologietraining
- ✓ Business- & Softskill-Training
- ✓ Consulting Services
- ✓ Managed Training Services
- ✓ Digitale Lernlösungen
- ✓ Content-Entwicklung
- ✓ Remote Labs
- ✓ Talentprogramme
- ✓ Eventmanagement-Services

Trainingsmethoden

- ✓ Klassenraumtraining
- ✓ Instructor-Led Online Training
- ✓ FLEX Classroom – Klassenraum und ILO kombiniert
- ✓ Onsite & Customized Training
- ✓ E-Learning
- ✓ Blended & Hybrid Learning
- ✓ Mobiles Lernen

Technologien und Lösungen

- ✓ Digitale Transformation
- ✓ Artificial Intelligence (AI)
- ✓ Cloud
- ✓ Networking
- ✓ Cyber Security
- ✓ Wireless & Mobility
- ✓ Modern Workplace
- ✓ Data Center



Weltweit vertreten
mit High-End-Trainingszentren in
60 Ländern rund um den Globus



Mehrfach ausgezeichnet
von Herstellern wie AWS, Microsoft,
Cisco, Google, NetApp, VMware



Praxiserfahrene Experten
mit insgesamt mehr als
19.000 Zertifizierungen

Deutschland

Fast Lane Institute for Knowledge
Transfer GmbH
Tel. +49 40 25334610

info@flane.de / www.flane.de

Österreich

ITLS GmbH
(ITLS ist ein Partner von Fast Lane)
Tel. +43 1 6000 8800

info@itls.at / www.itls.at

Schweiz

Fast Lane Institute for Knowledge
Transfer (Switzerland) AG
Tel. +41 44 8325080

info@flane.ch / www.flane.ch