

CCIE DevNet End - End Training Program



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Training Program

Lesson Plan

DEVNET END-TO-END

Summary

- This comprehensive course offers an end-to-end journey through Cisco's DevNet certifications, covering the foundational, professional, and expert levels. The course is designed to equip participants with the knowledge and skills necessary to excel in DevNet Associate (DEVASC), DevNet Professional (DEVCOR), and DevNet Expert certifications.

Implementation

Learning Context

The curriculum is meticulously structured to ensure a seamless progression from foundational to advanced topics in each area of the DevNet journey. Starting with the basics, such as Python programming and understanding APIs, the course gradually introduces more complex concepts like network automation, software development practices, and Cisco platform integration. Each topic is explored in depth, with foundational principles laid out first, followed by increasingly advanced techniques and real-world applications. This approach ensures that participants build a strong, comprehensive understanding as they move from DevNet Associate through to DevNet Expert, reinforcing their knowledge and skills at every stage.

Course Content

1. Practicing Modern Software Development
2. Describing Software Development Process
3. Designing software
4. APIs Integrated
5. Implementing Chatops application

- 6.Describing IP Networks
- 7.Employing Programmability on Cisco Platforms
- 8.Relating Network and Applications
- 9.Understanding Distributed Systems
- 10.model driven programmability
- 11.Orchestrating Network and Infrastructure
- 12.Deploying Applications
- 13.Automating infrastructure and app release
- 14.Securing Application
- 15.Using Relational and Nonrelational Databases

Materials & Resources

1. Reading materials
 - a. DEVASC courseware
 - b. DEVCOR Courseware
 - c. Lab Manuals
2. Lab
 - a. Topic based Labs
 - b. Integrated labs for CCIE practice