

Cisco ASR 9000 Aggregation Services Router Series Essentials v6.1 (ASR9KE)

Duration: 32.00 hours (4 days)

26.0 CPD Hours

Rating: ★ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

In this 4-day course, Cisco Aggregation Services Router 9000 Series Essentials (ASR9KE), you will learn about the features and functions of the Cisco ASR 9000 Series platforms. Through a combination of lecture and hands-on labs, you will gain an understanding of all major aspects of the platform, including hardware; software; Layer 2 and Layer 3 services; Layer 2 and Layer 3 multicast; operations, administration, and management (OAM); quality of service (QoS) features; and network virtualization.

About This Course

In this 4-day course, Cisco Aggregation Services Router 9000 Series Essentials (ASR9KE), you will learn about the features and functions of the Cisco ASR 9000 Series platforms. Through a combination of lecture and hands-on labs, you will gain an understanding of all major aspects of the platform, including hardware; software; Layer 2 and Layer 3 services; Layer 2 and Layer 3 multicast; operations, administration, and management (OAM); quality of service (QoS) features; and network virtualization.

Who Should Attend

The primary audience for this course are as follows:

Technical professionals, including system engineers, technical support personnel, channel partners, and resellers, who need to know how to deploy Cisco ASR 9000 Series routers in their network environment

Learning Outcomes

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

Upon completing this course, the learner will be able to meet these overall objectives:

Major features and benefits of a Cisco ASR 9000 Series router

Major features and benefits of the Cisco IOS XR Software operating system

Data flow through the Cisco ASR 9000 Series router

Configure the Cisco ASR 9000, back out of configuration changes, and restore older versions of the configuration

Install the Cisco IOS XR operating system, package information envelopes (PIEs), and software maintenance updates (SMUs)

Enable multicast routing on a Cisco ASR 9000 Series router

Configure Multiprotocol Label Switch-Traffic Engineering (MPLS-TE) on a Cisco ASR 9000 Series router

Configure Layer 3 VPN services

Configure Ethernet link bundles

Configure local E-Line L2VPN

Configure Ethernet over MPLS E-Line L2VPN

Configure EoMPLS with pseudowire backup

Configure local E-LAN L2VPN

Configure link-based Ethernet operations, administration, and maintenance (E-OAM)

Configure virtual private LAN service (VPLS) L2VPN

Configure VPLS with Border Gateway Protocol (BGP) autodiscover

Configure service-based connectivity fault management (CFM)

Multiple Spanning Tree-Access Gateway (MST-AG)

Configure Layer 2 multicast features

Basic QoS implementation

How to configure and verify network virtualization (nV) on the ASR 9000 series

Additional Course Details

Nexus Humans Cisco ASR 9000 Aggregation Services Router Series Essentials v6.1 (ASR9KE) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Cisco ASR 9000 Aggregation Services Router Series Essentials v6.1 (ASR9KE) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Cisco ASR 9000 Aggregation Services Router Series Essentials v6.1 (ASR9KE)?

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: How many CPD hours does this course provide?

The 4-day Cisco ASR 9000 Aggregation Services Router Series Essentials v6.1 (ASR9KE) course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Cisco ASR 9000 Aggregation Services Router Series Essentials v6.1 (ASR9KE) training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Cisco ASR 9000 Aggregation Services Router Series Essentials v6.1 (ASR9KE)?

Yes, we provide corporate training, dedicated training, and closed classes for Cisco ASR 9000 Aggregation Services Router Series Essentials v6.1 (ASR9KE). 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: Why choose Nexus Human for Cisco ASR 9000 Aggregation Services Router Series Essentials v6.1 (ASR9KE)?

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 **PENPALS** when booking your Cisco ASR 9000 Aggregation Services Router Series Essentials v6.1 (ASR9KE) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

 Email: info@nexushuman.com

 Website: www.nexushuman.com

 Phone: +353 1 XXX XXXX (Ireland) | +44 20 XXXX XXXX (UK)