
Implementing Broadband Aggregation on Cisco Routers

Duration: 4 Days **Course Code: BBAGG**

Overview:

This course is intended for customer technicians and system integrators who need to implement various broadband aggregation technologies on Cisco routers. This course also enables Cisco System Engineers (SEs) to present and demonstrate various broadband aggregation technologies on Cisco routers for customers. Students learn about RBE, PPPoA, PPPoE, and L2TP, and learn how to configure and verify operation of these technologies on Cisco routers. This course also explains the Cisco 10000 Series router hardware architecture and software features.

Target Audience:

This course is aimed at Customer technicians, Cisco System Engineers (SEs) and System Integrators (SIs).

Objectives:

- Convert business requirements into call flow design and scripts that provide routing information to routing clients, meet reporting needs, and provide call data to agent desktops
 - Undertake fundamental debugging/fault finding of the IPCC solution
 - Develop IPCC scripts and produce standard reports
 - Deploy solution and test for acceptance
 - Properly document configuration and scripting implementations
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Prerequisites:

Delegates are required to meet the following pre-requisites:

- Valid CCNA Certification
- Campus ATM (CATM),
- Completion of one of the VoDs: "Basic DSL End-to-End Architecture" or "SP DSL Technologies Essentials"

Testing and Certification

Recommended as preparation for exam(s):

- None
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Follow-on-Courses:

The following courses are recommended for further study:

- None
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Content:

Broadband Aggregation Architectures	Cisco 10000 Series Router Hardware Overview	Configure, Verify and Debug PPPoEoA
RBE and RFC 1483 Routing	Cisco 10000 Series Router Software Overview	Configure PVC Range, VC Class, PVC Autoprovisioning, PPPoX auto-sense encapsulation, and PPPoE Profiles
PPPoA		
PPPoE	Hands-On Lab Exercises:	AAA Services
Cisco Aggregation Optimization Features	Lab Network Orientation	Configure, Verify and Debug L2TP
AAA Service	Configure and Verify RBE	Show PXF Commands Familiarization
L2TP	Configure and Verify RFC 1483 Routing	
	Configure, Verify and Debug PPPoA	

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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