

Designing Cisco Network Service Architectures (ARCH)



Experts in Networking

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This course is intended for delegates seeking the Cisco Certified Design Professional Associate (CCDP) certification. The course is also targeted at pre-sales and post-sales network engineers involved in the network design, planning and implementation.

Delegates learn how to perform conceptual and intermediate design of a network infrastructure supporting the desired network solutions over intelligent network services, to achieve effective performance, scalability, and availability. Delegates learn the fundamental aspects of network design addressing QoS, Security, Network Management, fine-tuning Routing Protocols, Switching Structures and IP Multicast.

- All exam topics are covered
- Authorised Cisco Instructors

Course Pre-Requisites

Delegates are required to meet the following prerequisites:

- CCNA
- CCDA
- BCMSN
- BSCI

Course	Course Objectives	Course Content
<p>642-873 – ARCH Designing Cisco Network Service Architectures</p> <p>This course forms part of the following Cisco certifications CCDP</p> <p>Duration: 5 days</p> <p>Certification Required topics are covered for the Cisco exam 642-873 – ARCH</p>	<p>Upon completion of this course, the delegate will be able to:</p> <ul style="list-style-type: none"> • Present the Cisco AVVID framework, its segmentation of the network infrastructure, as well as intelligent network services to support key enterprise network applications and network solutions • Create conceptual, intermediate, and detailed enterprise campus network and enterprise edge infrastructure designs that offer effective functionality, performance, scalability, and availability, given specified enterprise network needs • Create conceptual, intermediate, and detailed intelligent network service designs for network management, high availability, security, quality of service, and IP multicast, given specified enterprise network needs • Create conceptual, intermediate, and detailed virtual private network designs, given specified enterprise network needs • Create conceptual, intermediate, and detailed wireless network designs, given specified enterprise network needs • Create conceptual, intermediate, and detailed IP telephony designs, given specified enterprise network needs 	<ul style="list-style-type: none"> • Introducing Cisco Network Service Architectures • Designing Enterprise Campus Networks • Designing Enterprise Edge Connectivity • Designing Network Management Solutions • Designing High Availability Solutions • Designing Security Solutions • Designing QOS Solutions • Designing IP Multicast Solutions • Designing Virtual Private Networks • Designing Enterprise Wireless Networks • Designing IP Telephony Solutions