



**CCDP Learning** 

### Authorized Self-Study Guide

## Designing Cisco Network Service Architectures (ARCH)

Second Edition

Foundation learning for ARCH exam 642-673

Keith Hutton Mark Schofield Diane Tears

# **Designing Cisco Network Service Architectures Arch Authorized Self Study**

**Keith Hutton** 

#### Designing Cisco Network Service Architectures Arch Authorized Self Study:

Designing Cisco Network Service Architectures (ARCH) (Authorized Self-Study Guide) Keith T. Hutton, Mark D. Schofield, Diane Teare, 2008-12-24 Authorized Self Study Guide Designing Cisco Network Service Architectures ARCH Second Edition Foundation learning for ARCH exam 642 873 Keith Hutton Mark Schofield Diane Teare Designing Cisco Network Service Architectures ARCH Second Edition is a Cisco authorized self paced learning tool for CCDP foundation learning This book provides you with knowledge of the latest developments in network design and technologies including network infrastructure intelligent network services and converged network solutions By reading this book you will gain a thorough understanding of issues and considerations for fundamental infrastructure services including security network management QoS high availability bandwidth use optimization through IP multicasting and design architectures for network solutions such as voice over WLAN and e commerce Whether you are preparing for CCDP certification or simply want to gain a better understanding of modular campus and edge network design and strategic solutions for enterprise networks such as storage area networking virtual private networking advanced addressing and routing and data centers you will benefit from the foundation information presented in this book Designing Cisco Network Service Architectures ARCH Second Edition is part of a recommended learning path from Cisco that includes simulation and hands on training from authorized Cisco Learning Partners and self study products from Cisco Press To find out more about instructor led training e learning and hands on instruction offered by authorized Cisco Learning Partners worldwide please visit www cisco com go authorized training Keith Hutton is a lead architect for Bell Canada in the enterprise customer space Keith still retains his certified Cisco instructor accreditation as well as the CCDP CCNP and CCIP certifications Mark Schofield has been a network architect at Bell Canada for the past six years During the past five years he has been involved in the design implementation and planning of large national networks for Bell Canada's federal government customers Diane Teare is a professional in the networking training project management and e learning fields She has more than 20 years of experience in designing implementing and troubleshooting network hardware and software and has been involved in teaching course design and project management Learn about the Cisco SONA framework enterprise campus architecture and PPDIOO network life cycle approach Review high availability designs and implement optimal redundancy Plan scalable EIGRP OSPF and BGP designs Implement advanced WAN services Evaluate design considerations in the data center core aggregation and access layers Design storage area networks SANs and extend the SAN with various protocols Design and tune an integrated e commerce architecture Integrate firewall NAC and intrusion detection prevention into your network design Design IPsec and SSL remote access VPNs Deploy IP multicast and multicast routing Incorporate voice over WLAN in the enterprise network Utilize the network management capabilities inherent in Cisco IOS software This volume is in the Certification Self Study Series offered by Cisco Press Books in this series provide officially developed self study solutions to help networking professionals understand

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enterprise network CCDP Self Study Designing Cisco Network Architectures ARCH is a Cisco authorized self paced learning tool By presenting a structured format for the conceptual and intermediate design of AVVID network infrastructures this book teaches you how to design solutions that scale from small to large enterprise networks and take advantage of the latest technologies Whether you are preparing for the CCDP certification or simply want to gain a better understanding of how to architect network solutions over intelligent network services to achieve effective performance scalability and availability you will benefit from the foundation information presented in this book This comprehensive book provides detailed information and easy to grasp tutorials on a broad range of topics related to architecture and design including security fine tuning routing protocols switching structures and IP multicasting To keep pace with the Cisco technological developments and new product offerings this study guide includes coverage of wireless networking the SAFE Blueprint content networking storage networking quality of service QoS IP telephony network management and high availability networks Design examples and sample verification output demonstrate implementation techniques Configuration exercises which appear in every chapter provide a practical review of key concepts to discuss critical issues surrounding network operation Chapter ending revie

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