

Designing Cisco Network Service Architectures (ARCH) (Authorized Self-Study Guide) (2nd Edition)

Keith T. Hutton, Mark D. Schofield, Diane Teare

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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.

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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.

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- 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

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