



# Designing Cisco Network Service Architectures (ARCH) Foundation Learning Guide: (CCDP ARCH 642-874) (3rd Edition) (Foundation Learning Guides)

By John Tiso

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**Designing Cisco Network Service Architectures (ARCH) Foundation Learning Guide: (CCDP ARCH 642-874) (3rd Edition) (Foundation Learning Guides)** By John Tiso

*Designing Cisco Network Service Architectures (ARCH) Foundation Learning Guide*, Third Edition, is a Cisco®-authorized, self-paced learning tool for CCDP® foundation learning. This book provides you with the knowledge needed to perform the conceptual, intermediate, and detailed design of a network infrastructure that supports desired network solutions over intelligent network services, in order to achieve effective performance, scalability, and availability. By reading this book, you will gain a thorough understanding of how to apply solid Cisco network solution models and recommended design practices to provide viable, stable enterprise internetworking solutions. The book presents concepts and examples that are necessary to design converged enterprise networks. Advanced network infrastructure technologies, such as virtual private networks (VPNs) and other security solutions are also covered.

*Designing Cisco Network Service Architectures (ARCH) Foundation Learning Guide*, Third Edition teaches you the latest development in network design and technologies, including network infrastructure, intelligent network services, and converged network solutions. Specific topics include campus, routing, addressing, WAN services, data center, e-commerce, SAN, security, VPN, and IP multicast design, as well as network management. Chapter-ending review questions illustrate and help solidify the concepts presented in the book. Whether you are preparing for CCDP certification or simply want to gain a better understanding of designing scalable and reliable network architectures, you will benefit from the foundation information presented in this book.

*Designing Cisco Network Service Architectures (ARCH) Foundation Learning Guide*, Third 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

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**John Tiso, CCIE No. 5162, CCDP** is a Product Manager for Cisco Systems. He holds a B.S. Degree in Computer Science and Mathematics from Adelphi University and a Graduate Citation in Strategic Management from Harvard University. John is a published author, has served as a technical editor for Cisco Press, and has participated as a SME for the CCIE program. Prior to Cisco, he was a senior consultant and architect in the Cisco partner channel.

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- Develop optimum Layer 3 designs
- Examine advanced WAN services design considerations
- Evaluate SAN design considerations
- Deploy effective e-commerce module designs
- Create effective security services and IPsec and SSL VPN designs
- Design IP multicast networks
- Understand the network management capabilities within Cisco IOS Software

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### Editorial Review

#### About the Author

**John Tiso**, CCIE #5162, CCDP is a Product Manager at Cisco Systems. His current responsibilities include the product management of Cisco's training and certification programs around design and architecture. Before working with Cisco, John held various engineering and architecture roles in the Cisco partner channel. In addition to his CCIE and CCDP certifications, he holds multiple industry certifications from Cisco, Microsoft, CompTIA, and Sun Microsystems. He holds a Graduate Citation in strategic management from Harvard University and a Bachelor of Science degree in computer science and mathematics from Adelphi University. John is a published author and has served as a technical editor for both McGraw-Hill and Cisco Press. He has spoken multiple times at the Cisco Live! (Networkers) conference and the national CIPTUG conference. He has served as an expert on Cisco's NetPro Forum "Ask the Expert" online events. John currently resides in Amherst, New Hampshire, with his wife, three children, and his running partner, Molly (who never complains, but sometimes barks). He is a nine-time marathon finisher, including five Boston Marathons. He can be reached at [johnt@jtiso.com](mailto:johnt@jtiso.com).

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