



# The Art of Network Architecture: Business-Driven Design (Networking Technology)

By Russ White, Denise Donohue

Download now

Read Online 

## The Art of Network Architecture: Business-Driven Design (Networking Technology) By Russ White, Denise Donohue

The Art of Network Architecture  
Business-Driven Design

### **The business-centered, business-driven guide to architecting and evolving networks**

*The Art of Network Architecture* is the first book that places business needs and capabilities at the center of the process of architecting and evolving networks. Two leading enterprise network architects help you craft solutions that are fully aligned with business strategy, smoothly accommodate change, and maximize future flexibility.

Russ White and Denise Donohue guide network designers in asking and answering the crucial questions that lead to elegant, high-value solutions. Carefully blending business and technical concerns, they show how to optimize all network interactions involving flow, time, and people.

The authors review important links between business requirements and network design, helping you capture the information you need to design effectively. They introduce today's most useful models and frameworks, fully addressing modularity, resilience, security, and management. Next, they drill down into network structure and topology, covering virtualization, overlays, modern routing choices, and highly complex network environments.

In the final section, the authors integrate all these ideas to consider four realistic design challenges: user mobility, cloud services, Software Defined Networking (SDN), and today's radically new data center environments.

- Understand how your choices of technologies and design paradigms will impact your business
- Customize designs to improve workflows, support BYOD, and ensure business continuity

- Use modularity, simplicity, and network management to prepare for rapid change
- Build resilience by addressing human factors and redundancy
- Design for security, hardening networks without making them brittle
- Minimize network management pain, and maximize gain
- Compare topologies and their tradeoffs
- Consider the implications of network virtualization, and walk through an MPLS-based L3VPN example
- Choose routing protocols in the context of business and IT requirements
- Maximize mobility via ILNP, LISP, Mobile IP, host routing, MANET, and/or DDNS
- Learn about the challenges of removing and changing services hosted in cloud environments
- Understand the opportunities and risks presented by SDNs
- Effectively design data center control planes and topologies

 [Download The Art of Network Architecture: Business-Driven D ...pdf](#)

 [Read Online The Art of Network Architecture: Business-Driven ...pdf](#)

# The Art of Network Architecture: Business-Driven Design (Networking Technology)

By Russ White, Denise Donohue

**The Art of Network Architecture: Business-Driven Design (Networking Technology)** By Russ White, Denise Donohue

The Art of Network Architecture  
Business-Driven Design

## **The business-centered, business-driven guide to architecting and evolving networks**

*The Art of Network Architecture* is the first book that places business needs and capabilities at the center of the process of architecting and evolving networks. Two leading enterprise network architects help you craft solutions that are fully aligned with business strategy, smoothly accommodate change, and maximize future flexibility.

Russ White and Denise Donohue guide network designers in asking and answering the crucial questions that lead to elegant, high-value solutions. Carefully blending business and technical concerns, they show how to optimize all network interactions involving flow, time, and people.

The authors review important links between business requirements and network design, helping you capture the information you need to design effectively. They introduce today's most useful models and frameworks, fully addressing modularity, resilience, security, and management. Next, they drill down into network structure and topology, covering virtualization, overlays, modern routing choices, and highly complex network environments.

In the final section, the authors integrate all these ideas to consider four realistic design challenges: user mobility, cloud services, Software Defined Networking (SDN), and today's radically new data center environments.

- Understand how your choices of technologies and design paradigms will impact your business
- Customize designs to improve workflows, support BYOD, and ensure business continuity
- Use modularity, simplicity, and network management to prepare for rapid change
- Build resilience by addressing human factors and redundancy
- Design for security, hardening networks without making them brittle
- Minimize network management pain, and maximize gain
- Compare topologies and their tradeoffs
- Consider the implications of network virtualization, and walk through an MPLS-based L3VPN example
- Choose routing protocols in the context of business and IT requirements
- Maximize mobility via ILNP, LISP, Mobile IP, host routing, MANET, and/or DDNS
- Learn about the challenges of removing and changing services hosted in cloud environments
- Understand the opportunities and risks presented by SDNs
- Effectively design data center control planes and topologies

**The Art of Network Architecture: Business-Driven Design (Networking Technology) By Russ White, Denise Donohue Bibliography**

- Sales Rank: #532499 in Books
- Brand: Brand: Cisco Press
- Published on: 2014-04-14
- Original language: English
- Number of items: 1
- Dimensions: 8.90" h x .60" w x 7.30" l, .0 pounds
- Binding: Paperback
- 352 pages

 [Download The Art of Network Architecture: Business-Driven D ...pdf](#)

 [Read Online The Art of Network Architecture: Business-Driven ...pdf](#)

## **Download and Read Free Online The Art of Network Architecture: Business-Driven Design (Networking Technology) By Russ White, Denise Donohue**

---

### **Editorial Review**

#### About the Author

**Russ White**, CCIE No. 2635, is a principal engineer in the IPOS team at Ericsson. He has worked in routing protocols and routed network design for the past 15 years. Russ has spoken at Cisco Live, Interop, LACNOG, and other global industry venues. He is actively involved in the IETF and the ISOC, has co-authored more than 30 software patents in the area of network protocols, and has co-authored nine books in the area of network protocols, design, and architecture. He holds a Master of Information Technology in Network Design and Architecture from Capella University and a Master of Christian Ministry in Christian literature from Shepherds Theological Seminary.

**Denise Donohue**, CCIE No. 9566 (Routing and Switching), is a senior solutions architect with Chesapeake NetCraftsmen. Denise has worked with computer systems since the mid-1990s, focusing on network design since 2004. During that time she has designed for a wide range of networks, private and public, of all sizes, across most industries. Denise has also authored or co-authored many Cisco Press books covering data and voice networking technologies and spoken at Cisco Live and other industry events.

### **Users Review**

#### **From reader reviews:**

##### **Robert Goddard:**

This The Art of Network Architecture: Business-Driven Design (Networking Technology) tend to be reliable for you who want to certainly be a successful person, why. The reason why of this The Art of Network Architecture: Business-Driven Design (Networking Technology) can be one of many great books you must have is usually giving you more than just simple looking at food but feed a person with information that might be will shock your preceding knowledge. This book is actually handy, you can bring it just about everywhere and whenever your conditions both in e-book and printed types. Beside that this The Art of Network Architecture: Business-Driven Design (Networking Technology) giving you an enormous of experience such as rich vocabulary, giving you demo of critical thinking that we know it useful in your day task. So , let's have it and enjoy reading.

##### **Larry Cain:**

Beside this kind of The Art of Network Architecture: Business-Driven Design (Networking Technology) in your phone, it could give you a way to get nearer to the new knowledge or facts. The information and the knowledge you might got here is fresh from oven so don't always be worry if you feel like an older people live in narrow commune. It is good thing to have The Art of Network Architecture: Business-Driven Design (Networking Technology) because this book offers for you readable information. Do you occasionally have book but you do not get what it's interesting features of. Oh come on, that will not happen if you have this in your hand. The Enjoyable agreement here cannot be questionable, just like treasuring beautiful island. Use you still want to miss the idea? Find this book as well as read it from currently!

**Eulalia Perry:**

This The Art of Network Architecture: Business-Driven Design (Networking Technology) is brand-new way for you who has intense curiosity to look for some information mainly because it relief your hunger info. Getting deeper you into it getting knowledge more you know or you who still having small amount of digest in reading this The Art of Network Architecture: Business-Driven Design (Networking Technology) can be the light food for you personally because the information inside this particular book is easy to get by anyone. These books create itself in the form which can be reachable by anyone, sure I mean in the e-book form. People who think that in e-book form make them feel drowsy even dizzy this guide is the answer. So you cannot find any in reading a e-book especially this one. You can find what you are looking for. It should be here for an individual. So , don't miss this! Just read this e-book variety for your better life along with knowledge.

**Manuel Rose:**

Do you like reading a reserve? Confuse to looking for your favorite book? Or your book ended up being rare? Why so many query for the book? But just about any people feel that they enjoy for reading. Some people likes examining, not only science book and also novel and The Art of Network Architecture: Business-Driven Design (Networking Technology) or maybe others sources were given know-how for you. After you know how the truly amazing a book, you feel wish to read more and more. Science guide was created for teacher or students especially. Those textbooks are helping them to increase their knowledge. In various other case, beside science guide, any other book likes The Art of Network Architecture: Business-Driven Design (Networking Technology) to make your spare time far more colorful. Many types of book like this one.

**Download and Read Online The Art of Network Architecture:  
Business-Driven Design (Networking Technology) By Russ White,  
Denise Donohue #50QF4JAV91I**

## **Read The Art of Network Architecture: Business-Driven Design (Networking Technology) By Russ White, Denise Donohue for online ebook**

The Art of Network Architecture: Business-Driven Design (Networking Technology) By Russ White, Denise Donohue Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read The Art of Network Architecture: Business-Driven Design (Networking Technology) By Russ White, Denise Donohue books to read online.

### **Online The Art of Network Architecture: Business-Driven Design (Networking Technology) By Russ White, Denise Donohue ebook PDF download**

**The Art of Network Architecture: Business-Driven Design (Networking Technology) By Russ White, Denise Donohue Doc**

**The Art of Network Architecture: Business-Driven Design (Networking Technology) By Russ White, Denise Donohue Mobipocket**

**The Art of Network Architecture: Business-Driven Design (Networking Technology) By Russ White, Denise Donohue EPub**