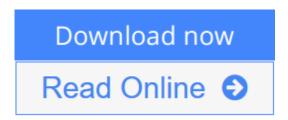


Troubleshooting Campus Networks: Practical Analysis of Cisco and LAN Protocols

By Priscilla Oppenheimer, Joseph Bardwell



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All network designers and administrators want their campus LANs to run efficiently. This book provides tips and techniques for using protocol analyzers and other tools to recognize problems for both Cisco and multiprotocol traffic patterns.

- * Focuses on troubleshooting problems that arise from the Cisco routers interoperating with many other network protocols
- * Covers both legacy and cutting-edge technologies
- * Authors are respected in the field for their teaching and training development skills in network troubleshooting



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Editorial Review

From the Back Cover

Essential information on the successful troubleshooting of complex campus networks

Just as a used car can seem to be in good condition to an inexperienced consumer, a network can also feign an appearance that all is running smoothly to the unskilled user. Upon closer examination, though, a true expert can discern when a network is a lemon. Network engineers, administrators, and technicians who manage Cisco and multivendor campus networks know how crucial it is to determine when a network has serious problems and what to do about them, particularly when that network spans buildings and consists of wired and wireless technologies. Known as campus networks, these networks connect tens, hundreds, or even thousands of users at businesses, universities, nonprofit organizations, and government agencies. This informative book teaches the use of Cisco and industry-standard trouble-shooting tools to analyze, diagnose, and fix problems on modern switched and routed networks with information that is based on many years of analyzing real-world, diverse, and complex networks. Written by a pair of authors with over forty years of networking experience between them, this book discusses:

- * Techniques for using protocol analyzers, such as the WildPackets EtherPeek and AiroPeek products, to recognize and isolate faulty network behavior
- * The OSI Reference Model and the Internet Control Message Protocol (ICMP)
- * How Ethernet and 802.11 wireless networks work and how to troubleshoot them when they don't
- * Spanning Tree Protocol, which is used on bridged and switched networks, and the configuration and troubleshooting of VLANs
- * IP addressing, IP routing protocols, TCP, and an overview of upper-layer TCP/IP protocols
- * Troubleshooting for Novell NetWare, AppleTalk, and Windows networking
- * WAN technology and trouble-shooting from the perspective of the LAN-oriented network engineer

About the Author

PRISCILLA OPPENHEIMER, an independent computer networking consultant, has been developing data communications and networking systems since 1980. After years as a software developer, she became a technical instructor for Apple Computer, Network Associates, and Cisco Systems, teaching network troubleshooting and design.

JOSEPH BARDWELL is Vice President of Professional Services for WildPackets, a world-class provider of network analysis software. He has over twenty years of computer industry experience, is a network technology expert, and is the founding engineer of the Network Analysis Expert program.

Users Review

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Henry Robinson:

Why don't make it to be your habit? Right now, try to prepare your time to do the important action, like looking for your favorite book and reading a e-book. Beside you can solve your trouble; you can add your knowledge by the guide entitled Troubleshooting Campus Networks: Practical Analysis of Cisco and LAN Protocols. Try to stumble through book Troubleshooting Campus Networks: Practical Analysis of Cisco and

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