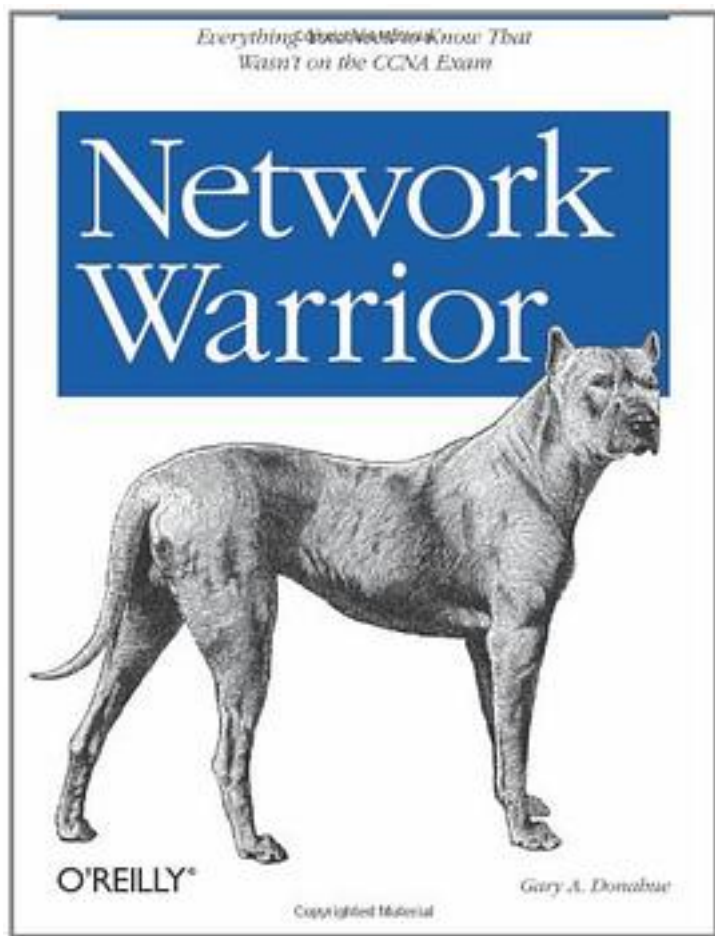


Network Warrior



[Network Warrior 下载链接1](#)

著者:Gary A. Donahue

出版者:O'Reilly Media

出版时间:2011-6-2

装帧:Paperback

isbn:9781449387860

Pick up where certification exams leave off. With this practical, in-depth guide to the entire network infrastructure, you'll learn how to deal with real Cisco networks, rather than the hypothetical situations presented on exams like the CCNA. Network Warrior

takes you step by step through the world of routers, switches, firewalls, and other technologies based on the author's extensive field experience.

作者介绍:

Gary A. Donahue is a working consultant who has been in the computer industry for 25 years. Gary has worked as a programmer, mainframe administrator, Technical Assistance Center engineer, network administrator, network designer, and consultant. Gary has worked as the Director of Network Infrastructure for a national consulting company and has been the president of his own New Jersey consulting company; GAD Technologies.

目录: Chapter 1 What Is a Network?

Chapter 2 Hubs and Switches

Hubs

Switches

Chapter 3 Autonegotiation

What Is Autonegotiation?

How Autonegotiation Works

When Autonegotiation Fails

Autonegotiation Best Practices

Configuring Autonegotiation

Chapter 4 VLANs

Connecting VLANs

Configuring VLANs

Chapter 5 Trunking

How Trunks Work

Configuring Trunks

Chapter 6 VLAN Trunking Protocol

VTP Pruning

Dangers of VTP

Configuring VTP

Chapter 7 Link Aggregation

EtherChannel

Cross-Stack EtherChannel

Multichassis EtherChannel (MEC)

Virtual Port Channel

Chapter 8 Spanning Tree

Broadcast Storms

MAC Address Table Instability

Preventing Loops with Spanning Tree

Managing Spanning Tree

Additional Spanning Tree Features

Common Spanning Tree Problems

Designing to Prevent Spanning Tree Problems

Chapter 9 Routing and Routers

Routing Tables

Route Types

The IP Routing Table

Virtual Routing and Forwarding

Chapter 10 Routing Protocols

Communication Between Routers

Metrics and Protocol Types
Administrative Distance
Specific Routing Protocols
Chapter 11 Redistribution
Redistributing into RIP
Redistributing into EIGRP
Redistributing into OSPF
Mutual Redistribution
Redistribution Loops
Limiting Redistribution
Chapter 12 Tunnels
GRE Tunnels
GRE Tunnels and Routing Protocols
GRE and Access Lists
Chapter 13 First Hop Redundancy
HSRP
HSRP Interface Tracking
When HSRP Isn't Enough
Nexus and HSRP
GLBP
Chapter 14 Route Maps
Building a Route Map
Policy Routing Example
Chapter 15 Switching Algorithms in Cisco Routers
Process Switching
Interrupt Context Switching
Configuring and Managing Switching Paths
Chapter 16 Multilayer Switches
Configuring SVIs
Multilayer Switch Models
Chapter 17 Cisco 6500 Multilayer Switches
Architecture
CatOS Versus IOS
Installing VSS
Chapter 18 Cisco Nexus
Nexus Hardware
NX-OS
Nexus Iconography
Nexus Design Features
Chapter 19 Catalyst 3750 Features
Stacking
Interface Ranges
Macros
Flex Links
Storm Control
Port Security
SPAN
Voice VLAN
QoS
Chapter 20 Telecom Nomenclature
Telecom Glossary
Chapter 21 T1
Understanding T1 Duplex
Types of T1

Encoding
Framing
Performance Monitoring
Alarms
Troubleshooting T1s
Configuring T1s
Chapter 22 DS3
Framing
Line Coding
Configuring DS3s
Chapter 23 Frame Relay
Ordering Frame Relay Service
Frame Relay Network Design
Oversubscription
Local Management Interface
Configuring Frame Relay
Troubleshooting Frame Relay
Chapter 24 MPLS
Chapter 25 Access Lists
Designing Access Lists
ACLs in Multilayer Switches
Reflexive Access Lists
Chapter 26 Authentication in Cisco Devices
Basic (Non-AAA) Authentication
AAA Authentication
Chapter 27 Basic Firewall Theory
Best Practices
The DMZ
Alternate Designs
Chapter 28 ASA Firewall Configuration
Contexts
Interfaces and Security Levels
Names
Object Groups
Inspects
Managing Contexts
Failover
NAT
Miscellaneous
Troubleshooting
Chapter 29 Wireless
Wireless Standards
Security
Configuring a WAP
Troubleshooting
Chapter 30 VoIP
How VoIP Works
Small-Office VoIP Example
Troubleshooting
Chapter 31 Introduction to QoS
Types of QoS
QoS Mechanics
Common QoS Misconceptions
Chapter 32 Designing QoS

LLQ Scenario
Configuring the Routers
Traffic-Shaping Scenarios
Chapter 33 The Congested Network
Determining Whether the Network Is Congested
Resolving the Problem
Chapter 34 The Converged Network
Configuration
Monitoring QoS
Troubleshooting a Converged Network
Chapter 35 Designing Networks
Documentation
Naming Conventions for Devices
Network Designs
Chapter 36 IP Design
Public Versus Private IP Space
VLSM
CIDR
Allocating IP Network Space
Allocating IP Subnets
IP Subnetting Made Easy
Chapter 37 IPv6
Addressing
Simple Router Configuration
Chapter 38 Network Time Protocol
What Is Accurate Time?
NTP Design
Configuring NTP
Chapter 39 Failures
Human Error
Multiple Component Failure
Disaster Chains
No Failover Testing
Troubleshooting
Chapter 40 GAD's Maxims
Maxim #1
Maxim #2
Maxim #3
Chapter 41 Avoiding Frustration
Why Everything Is Messed Up
How to Sell Your Ideas to Management
When to Upgrade and Why
Why Change Control Is Your Friend
How Not to Be a Computer Jerk
Colophon
• • • • • (收起)

[Network Warrior_下载链接1](#)

标签

Cisco

Network

计算机网络

O'Reilly

Networking

计算机科学

Warrior

网络

评论

这本书主要分为概念讲解（很简明清晰！）和交换机路由器配置操作（CatOS、IOS、还有Nexus/NX-OS——靠，全部是Cisco的产品。。。ft)

好像看错书了……

很不错的一本，非常实际的CCNA能读的书。。

当科普看完了，作者很有意思，译者更有意思，一直在译注里吐槽原作者。

每个技术都详细讲解原理，英文通俗易懂，不错

喜欢最后一章

[Network Warrior_ 下载链接1](#)

书评

[Network Warrior_ 下载链接1](#)