

Online Library
Implementing
Cisco Storage
Implementin
Networking
Solutions 3
g Cisco
Storage
Networking
Solutions 3

Cisco networking essentials—made easy! Get a solid foundation in Cisco products and

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technologies from
this fully updated
bestseller. 3

Covering the latest
solutions, Cisco: A
Beginner's Guide,
Fifth Edition shows
you, step-by-step,
how to design,
build, and manage
custom networks.

Learn how to
configure
hardware, use IOS

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commands, set up wireless networks, and secure your systems. You'll also get tips on preparing for Cisco certification exams. Brand-new voice and social networking features, Cisco TelePresence, the cloud-based Cisco Unified Computing

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System, and more
are fully covered in
this practical
resource.

Understand Cisco
networking and
Internet basics

Connect and
configure routers
and switches Work
with TCP/IP, Wi-Fi,
and Ethernet
technologies

Maintain your

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network through
IOS and IOS XR
Handle security
using firewalls,
Adaptive Security
Appliances,
SecureX, TrustSec,
and other tools
Virtualize
hardware and
migrate resources
to a private cloud
Manage wireless
networks with

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Aironet and
Airespace Deliver
VoIP, video, and
social networking
services Design,
administer, and
tune a Cisco
enterprise network
Identify and repair
performance issues
and bottlenecks

This is the eBook
version of the print
title. Note that the

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eBook does not provide access to the practice test software that accompanies the print book. Access to the personal video mentoring is available through product registration at Cisco Press; or see the instructions in the back pages of

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your eBook. Learn,
prepare, and

practice for

CCNP/CCIE Data

Center Core

DCCOR 350-601

exam success with

this Cert Guide

from Cisco Press, a

leader in IT

certification

learning and the

only self-study

resource approved

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by Cisco. · Master
CCNP/CCIE Data
Center Core
DCCOR 350-601
exam topics ·
Assess your
knowledge with
chapter-ending
quizzes · Review
key concepts with
exam preparation
tasks · Learn from
more than two
hours of video

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mentoring CCNP
Networking
and CCIE Data
Center Core
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DCCOR 350-601
Official Cert Guide
is a best-of-breed
exam study guide.
Expert authors
Somit Maloo and
Firas Ahmed share
preparation hints
and test-taking
tips, helping you
identify areas of

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weakness and
improve both your
conceptual
knowledge and
hands-on skills.

Material is
presented in a
concise manner,
focusing on
increasing your
understanding and
retention of exam
topics. The book
presents you with

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an organized test-
preparation

routine through

the use of proven

series elements

and techniques.

Exam topic lists

make referencing

easy. Chapter-

ending Exam

Preparation Tasks

help you drill on

key concepts you

must know

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thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. The book also contains more than two hours of personal video mentoring

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from the Pearson
Networking
Complete Video
Course. Go to the
back pages of your
eBook for
instructions on
how to access the
personal video
mentoring content.
Well regarded for
its level of detail,
assessment
features, and

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challenging review questions and exercises, this study guide helps you master the concepts and techniques that will help you succeed on the exam the first time. This official study guide helps you master all the topics on the

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CCNP/CCIE Data

Center Core

DCCOR 350-601

exam, including ·

Network ·

Compute · Storage

Network ·

Automation ·

Security

The Implementing

and Operating

Cisco Enterprise

Network Core

Technologies

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ENCOR (350-401)

course gives you
the knowledge and

skills needed to

configure,

troubleshoot, and

manage enterprise

wired and wireless

networks. It is

especially useful

for those leading

or participating in

projects. This exam

tests your

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knowledge and skills related to implementing core enterprise network technologies, including: Dual stack (IPv4 and IPv6) architecture
Virtualization
Infrastructure
Network assurance
Security
Automation
Preparing for

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Cisco Storage

Implementing and
Operating Cisco

Enterprise 3

Network Core

Technologies

ENCOR (350-401)?

Here we have

brought Best Exam

Questions for you

so that you can

prepare well for

this Exam of

Implementing and

Operating Cisco

Online Library
Implementing
Cisco Storage
Enterprise
Networking
Technologies

ENCOR (350-401).
Unlike other online
simulation practice
tests, you get a
ebook version that
is easy to read &
remember these
questions. You can
simply rely on
these questions for
successfully

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certifying this
exam.

Learn the art of
designing,
implementing, and
managing Cisco's
networking
solutions on
datacenters,
wirelessly, security
and mobility to set
up an Enterprise
network. About
This Book

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Solutions?

Implement Cisco's
networking

solutions on

datacenters and

wirelessly, Cloud,

Security, and

Mobility Leverage

Cisco IOS to

manage network

infrastructures. A

practical guide

that will show how

to troubleshoot

common issues on

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the network. Who

This Book Is For

This book is

targeted at

network designers

and IT engineers

who are involved

in designing,

configuring, and

operating

enterprise

networks, and are

in taking decisions

to make the

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necessary network changes to meet newer business needs such as evaluating new technology choices, enterprise growth, and adding new services on the network. The reader is expected to have a general understanding of

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Solutions

the fundamentals
of networking,
including the OSI
stack and IP
addressing. What
You Will Learn
Understand the
network lifecycle
approach Get to
know what makes
a good network
design Design
components and
technology choices

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at various places in
the network (PINS)

Work on sample
configurations for
network devices in
the LAN/ WAN/
DC, and the
wireless domain

Get familiar with
the configurations
and best practices
for securing the
network Explore
best practices for

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network operations
In Detail Most
enterprises use
Cisco networking
equipment to
design and
implement their
networks.
However, some
networks
outperform
networks in other
enterprises in
terms of

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performance and meeting new business demands, because they were designed with a visionary approach. The book starts by describing the various stages in the network lifecycle and covers the plan, build, and operate

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phases. It covers topics that will help network engineers capture requirements, choose the right technology, design and implement the network, and finally manage and operate the network. It divides the overall network into its

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constituents
depending upon

functionality, and

describe the

technologies used

and the design

considerations for

each functional

area. The areas

covered include

the campus wired

network, wireless

access network,

WAN choices,

Online Library Implementing Cisco Storage datacenter Networking Solutions 3 technologies, and security

technologies. It also discusses the need to identify business-critical applications on the network, and how to prioritize these applications by deploying QoS on the network. Each topic provides the

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technology
Networking
Solutions
choices, and the
scenario, involved
in choosing each
technology, and
provides
configuration
guidelines for
configuring and
implementing
solutions in
enterprise
networks. Style
and approach A

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Cisco Storage

step-by-step

practical guide

that ensures you

implement Cisco

solutions such as

enterprise

networks, cloud,

and data centers,

on small-to-large

organizations.

Implementing

Cisco IOS Network

Security (IINS

640-554)

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Foundation

Learning Guide

Foundation

Learning for the

ROUTE 642-902

Exam

Cisco MDS 9718

Multilayer Director

for IBM Storage

Networking

Implementing

Cisco IP Routing

(ROUTE)

Foundation

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Learning Guide

Networking
Implementing

Cisco IOS Network
Security (IINS)

Introduction to
Storage Area

Networks

IP Storage

Networking: Straight

to the Core is your
complete blueprint for
planning, deploying,

managing, and
maximizing the

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Networking

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business value of
enterprise storage.

Gary Orenstein

introduces IP storage,

iSCSI, and related

technologies; then

shows how to

integrate them into an

overall storage

strategy for

maximizing availability

and business agility.

Coverage includes:

architecture; software

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infrastructure;

virtualization; security;

storage policies;

outsourcing; and

measuring ROI on

enterprise storage

investments.

Authorized Self-Study

Guide Designing

Cisco Network

Service Architectures

(ARCH) Second

Edition Foundation

learning for ARCH

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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

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Implementing

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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

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fundamental
Networking
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

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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

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centers, you will benefit from the foundation information presented in this book. Designing Cisco Network Service Architectures (ARCH), Second Edition, is part of a recommended learning path from Cisco that includes simulation and hands-on training from

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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 Cisco Learning Partners worldwide, please visit www.cisco.com/go/authorizedtraining. Keith Hutton is a lead

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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

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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.

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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. Learn about the Cisco SONA framework, enterprise campus

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architecture, and
PPDIOO network life-
cycle approach
Review high
availability designs
and implement
optimal redundancy
Plan scalable EIGRP,
OSPF, and BGP
designs Implement
advanced WAN
services Evaluate
design considerations
in the data center

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Implementing

Cisco Storage

core, aggregation,
Networking
and access layers

Solutions 2
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

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Cisco Storage

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

This volume is in the

Certification Self-

Online Library

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Study Series offered
by Cisco Press®.

Books in this series
provide officially
developed self-study
solutions to help
networking
professionals
understand
technology
implementations and
prepare for the Cisco
Career Certifications
examinations.

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Category: Network

Design Covers:

ARCH exam 642-873

Discover how to
simplify your data
center architecture,
reduces costs, and
improve speed and
agility with Cisco UCS
at your side About
This Book Learn how
to reduce equipment
and operating costs,
consolidate

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resources, and
automate data center
processes Eliminate
manual, time-
consuming tasks that
were traditionally
required to connect
servers in data
centers A practical
hands-on guide that
will help you to deploy
servers and
application stacks
with ease Who This

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Book Is For This book is for system,

network, and storage

administrators who

are responsible for

Cisco UCS

deployments. You

need to have basic

knowledge of server

architecture, network,

and storage

technologies. What

You Will Learn Set up

your Lab using Cisco

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UCS Emulator

Configure Cisco UCS,

LAN, and SAN

connectivity Create

and manage Service

profiles Perform

various tasks using

UCS Backup and

restore Cisco UCS

configuration Test

various Cisco UCS

scenarios Manage

and automate multiple

domains In Detail

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Cisco Unified
Computer System
(UCS) is a powerful
solution for modern
data centers and is
responsible for
increasing efficiency
and reducing costs.
This hands-on guide
will take you through
deployment in Cisco
UCS. Using real-world
examples of
configuring and

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deploying Cisco UCS components, we'll prepare you for the practical deployments of Cisco UCS data center solutions. If you want to develop and enhance your hands-on skills with Cisco UCS solutions, this book is certainly for you. We start by showing you the Cisco UCS equipment

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options then introduce Cisco UCS Emulator so you can learn and practice deploying Cisco UCS components. We'll also introduce you to all the areas of UCS solutions through practical configuration examples. Moving on, you'll explore the Cisco UCS Manager, which is the

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centralized management interface for Cisco UCS. Once you get to know UCS Manager, you'll dive deeper into configuring LAN, SAN, identity pools, resource pools, and service profiles for the servers. You'll also get hands-on with administration topics including backup,

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restore, user's roles, and high availability cluster configuration. Finally, you will learn about virtualized networking, third-party integration tools, and testing failure scenarios. By the end of this book, you'll know everything you need to know to rapidly grow Cisco UCS deployments in

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the real world. Style and approach This hands-on book takes a tutorial-based approach to help you understand the practical methodologies and deployment of Cisco UCS components.

CCNP Authorized Self-Study Guide Library, contains three books that cover the three

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new required exams
for CCNP certification:

ROUTE, SWITCH,

and TSHOOT. These

three books are the

only Cisco authorized,

self-paced

foundational learning

tools designed to help

network professionals

prepare for the brand

new CCNP exams

from Cisco. They

cover all CCNP exam

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objectives.

CCNA Data Center:

Introducing Cisco

Data Center

Technologies Study

Guide

Implementing Cisco

IP Switched Networks

(SWITCH) Foundation

Learning Guide

Implementing Cisco

Collaboration

Applications (CAPPS)

Foundation Learning

Online Library
Implementing
Cisco Storage
Guide (CCNP
Networking
300-085 CAPPs)
Collaboration Exam
Implementing Cisco
Enterprise Network
Core Technologies
ENCOR (350-401)
Exam Tests
NX-OS and Cisco
Nexus Switching
Configuring Cisco
Voice Over IP 2E
***VersaStack, an
IBM® and Cisco***

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Cisco Storage
**integrated
infrastructure
solution, 3
combines
computing,
networking, and
storage into a
single integrated
system. It
combines the
Cisco Unified
Computing
System (Cisco
UCS) Integrated**

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Spectrum3

**Infrastructure
with IBM**

Spectrum3

**Virtualize™,
which includes
IBM**

**FlashSystem®
storage**

**offerings, for
quick**

**deployment and
rapid time to**

value for the

implementation

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Cisco Storage
of modern
Networks
infrastructures.
This IBM 3
Redbooks®
publication
covers the
preferred
practices for
implementing a
VersaStack
Solution with
IBM FlashSystem
5030, Cisco UCS
Mini, Hyper-V

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2016, and
Networking

Microsoft SQL
Server. Cisco

UCS Mini is

optimized for

branch and

remote offices,

point-of-sale

locations, and

smaller IT

environments. It

is the ideal

solution for

customers who

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***need fewer
servers but still
want the***

***comprehensive
management
capabilities***

***provided by
Cisco UCS***

***Manager. The
IBM FlashSystem***

***5030 delivers
efficient, entry-
level***

configurations

Online Library
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***that are
designed to meet
the needs of
small and
midsize
businesses.
Designed to
provide
organizations
with the ability
to consolidate
and share data
at an affordable
price, the IBM***

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FlashSystem

5030 offers

advanced

software

capabilities such

as clustering,

IBM Easy Tier®,

replication and

snapshots that

are found in

more expensive

systems. This

book is intended

for pre-sales and

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Series 2

**post-sales
technical support
professionals
and storage
administrators
who are tasked
with deploying a
VersaStack
solution with
Hyper-V 2016
and Microsoft
SQL Server.
This IBM
Redbooks**

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publication

Networking

supersedes both:

IBM Solutions 3

TotalStorage:

Introduction to

SAN Routing,

SG24-7119-00

Implementing

the IBM

TotalStorage

Multiprotocol

Routers,

SG24-7246-00

The rapid spread

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and adoption of production storage area networks (SANs) has fuelled the need for multiprotocol routers. The routers provide improved scalability, security, and manageability by enabling devices

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in separate SAN fabrics to communicate without merging fabrics into a single, large SAN fabric. This capability enables clients to initially deploy separate SAN solutions at the departmental and data center

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levels. Then, clients can consolidate these separate solutions into large enterprise SAN solutions as their experience and requirements grow and change.

Alternatively, multiprotocol

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***routers can help
to connect
existing
enterprise SANs
for a variety of
reasons. For
instance, the
introduction of
Small Computer
System Interface
over IP (iSCSI)
provides for the
connection of
low-end, low-***

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**cost hosts to
enterprise SANs.**

**The use of an
Internet Protocol
(IP) in the Fibre
Channel (FC)
environment
provides for
resource
consolidation
and disaster
recovery
planning over
long distances.**

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Networking
And the use of

**FC-FC routing
services provides
connectivity**

**between two or
more fabrics**

**without having
to merge them
into a single**

**SAN. This book
targets storage
network**

**administrators,
system**

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**designers,
architects, and IT
professionals
who sell, design,
or administer
SANs. It**

**introduces you to
the products,
concepts, and
technology in the
IBM System
Storage SAN
Routing
portfolio. This**

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Solutions?

book shows the features of each product and examples of how you can deploy and use them.

***What is AVVID?
Previously called
Configuring Cisco
Communications
Networks (CCN),
Architecture for
Voice, Video, and
Integrated Data***

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**(AVVID) is the
latest**

**development
from Cisco**

**Systems that will
soon redefine
the way**

**businesses
communicate.**

**AVVID allows
businesses to
transmit voice,
data, and video
over one**

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Solutions?

***combined
architecture,
whereas in the
past, three
separate
systems were
required.***

***Configuring Cisco
AVVID will be the
first book to
discuss the
components of
the AVVID
architecture and***

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will be timed to release with the launch of the technology in early 2000. A practical guide to the AVVID technology this book will include an introduction to AVVID, and its software, hardware, network

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**architecture,
installation,
operation and
configuration.
Topics include
CallManager,
Cisco Gateways,
and IPCC (Cisco
IP Contact
Center). * The
first book to
discuss the
components of
this important**

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new technology *

Practical guide;

many engineers

will find this a

great source of

AVVID product

knowledge *

Cisco is planning

to launch AVVID

hardware and

software in

Spring 2000 -

demand is

already high for

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information *

Networking

Solutions 2

Book will be

timed to release

with technology

Designing Cisco

Network Service

Architectures

(ARCH)

Foundation

Learning Guide,

Third Edition, is

a Cisco®-authori

zed, self-paced

learning tool for

Online Library
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CCDP®

foundation

learning. This

book provides

you with the

knowledge

needed to

perform the

conceptual,

intermediate,

and detailed

design of a

network

infrastructure

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***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***

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Solid Cisco

network solution

models and

recommended

design practices

to provide

viable, stable

enterprise

internetworking

solutions. The

book presents

concepts and

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Solutions 3

**examples that
are necessary to
design**

**converged
enterprise
networks.**

**Advanced
network**

**infrastructure
technologies,**

such as virtual

**private networks
(VPNs) and other**

security

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**Solutions are
also covered.
Designing Cisco
Network Service
Architectures
(ARCH)**

**Foundation
Learning Guide,
Third Edition
teaches you the
latest
development in
network design
and**

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**technologies,
including
network
infrastructure,
intelligent
network
services, and
converged
network
solutions.**

**Specific topics
include campus,
routing,
addressing, WAN**

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Implementing
Cisco Storage
**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
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John Tiso, CCIE

No. 5162, CCDP

is a Product

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**Cisco Systems.
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Computer
Science and
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from Adelphi
University and a
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Citation in
Strategic
Management
from Harvard
University. John**

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is a published

author, has

served as a

technical editor

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multicast
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Cisco HyperFlex
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core infrastructure
(compute, storage,
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management),
increasing
automation, and
simplifying lifecycle
management. This
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guide brings
together

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knowledge, detailed configuration options, and real-world case studies for successfully deploying Cisco HyperFlex technologies in environments of all types. Three expert authors present easy-to-understand overviews of key

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extensive
experience helping
Cisco customers
adopt HyperFlex,
they present best
practices for
optimizing design,
streamlining
deployment,
avoiding pitfalls,
and maximizing
value. This guide
will be

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indispensable to
every IT and
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professional,
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consultant involved
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operating Cisco
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evaluating any HCI
solution. Reflecting
current trends in

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HCI deployment, it will be valuable in both small-scale environments and large-scale data centers. Explore how and why data centers have evolved from traditional to converged and hyperconverged infrastructure

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Review the
essentials of
HyperFlex

hyperconverged
infrastructure
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architecture,
components,
topologies, and
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Compare HyperFlex
standard, stretch,
and edge clusters,
and understand
their respective
roles Install and
deploy each type of
Cisco HyperFlex
cluster, including
preparation,
prerequisites, and
components
Manage HyperFlex

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Connect: HX
storage cluster

status,

components,

encryption,

replication, and

more Maintain

HyperFlex:

clustering, virtual

machine

management,

native snapshots,

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ReadyClones, and
more Scale

HyperFlex clusters,
replace hardware,
and upgrade

software Configure
and manage
advanced

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Platform disaster

recovery features

Integrate supported

third-party data

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protection

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solutions, including

Veeam Availability

Suite, Cohesity, and

Commvault Utilize

the cloud-based

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platform to deploy

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, including edge

and standard

clusters

The

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superabundance of data that is created by today's businesses is making storage a strategic investment priority for companies of all sizes. As storage takes precedence, the following major initiatives emerge: Flatten and

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converge your
network: IBM®

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takes an open,
standards-based
approach to

implement the
latest advances in
the flat, converged
data center network
designs of today.

IBM Storage
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Advanced

virtualization

awareness reduces

the cost and

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deploying physical

and virtual data

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management: IBM
data center
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to deploy, maintain,
scale, and
virtualize,
delivering the
foundation of
consolidated
operations for

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Storage is no longer
an afterthought.

Too much is at
stake. Companies
are searching for
more ways to
efficiently manage
expanding volumes
of data, and to
make that data

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accessible throughout the enterprise. This demand is propelling the move of storage into the network. Also, the increasing complexity of managing large numbers of storage devices and vast amounts of data is

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driving greater business value into software and services. With current estimates of the amount of data to be managed and made available increasing at 60% each year, this outlook is where a storage area network (SAN)

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enters the arena. SANs are the leading storage infrastructure for the global economy of today. SANs offer simplified storage management, scalability, flexibility, and availability; and improved data access, movement,

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Welcome to the cognitive era. The smarter data center with the improved economics of IT can be achieved by connecting servers and storage with a high-speed and intelligent network fabric. A smarter data center that

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hosts IBM Storage solutions can provide an

environment that is smarter, faster, greener, open, and easy to manage.

This IBM®

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publication provides an introduction to SAN and Ethernet networking, and

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how these networks help to achieve a smarter data

center. This book is intended for people who are not very familiar with IT, or who are just starting out in the IT world.

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Learning Series, it teaches you how to plan, configure, verify, secure, and maintain complex enterprise switching solutions using Cisco Catalyst® switches and Enterprise Campus Architecture. The authors show you

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how to build scalable multilayer switched networks, create and deploy global intranets, and perform basic troubleshooting in environments using Cisco multilayer switches for client hosts and services. They begin by reviewing basic

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switching concepts,
network design,
and campus
network

architecture. Next,
they present in-
depth coverage of
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VLAN routing, first-
hop redundancy,
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management,
advanced switch

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features, high availability, and campus network security. Each chapter opens with a list of topics that clearly identify its focus. Each chapter ends with a summary of key concepts for quick study, as well as review questions to

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assess and reinforce your understanding. Throughout, configuration examples, and sample verification outputs illustrate critical issues in network operation and troubleshooting. This guide is ideal

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for all certification
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Serves as the

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SWITCH course

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terminology and

concepts, and the

unique features of

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switch designs

Reviews campus

network design,

including network

structure, roles of

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switches, and

differences

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between Layer 2
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switches Introduces
VLANs, VTP,
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Presents concepts
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Covers first-hop
redundancy
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holistic approach to
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Describes how to

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use advanced features to improve campus network resiliency and availability Shows how to establish switch physical redundancy using Stackwise, VSS, or redundant supervisors Explains advanced security features

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devices, and
networks. Author

Chris Olsen shows

how to effectively

use Cisco Unity

Connection, Cisco

Unity Express, Cisco

Instant Message

and Presence, Cisco

TelePresence Video

Communication

Server, and Cisco

TelePresence

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Management Suite
in production

environments. He

begins by

introducing the

server platforms

and overlays that

are the basis for all

Cisco Unity

Connection design

and integration.

Next, he presents in-

depth coverage of a

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wide range of essential tasks—from user configuration to voicemail redundancy, configuring Cisco Jabber Mobile, to provisioning Cisco Prime Collaboration. Each chapter opens with a list of topics that clearly

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identifies its focus. Each chapter ends with a summary of key concepts for quick study, as well as review questions to assess and reinforce your understanding. Throughout, configuration examples and sample verification

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outputs illustrate critical issues in network operation and troubleshooting.

Whether you are preparing for the CCNP Collaboration certification exams or you are just interested in learning about how to deploy and

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operate Cisco

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collaboration

applications, you

will find this book to

be an invaluable

resource. Shows

how to integrate

Cisco Unity

Connection with

Cisco Unified

Communications

Manager or other

PBXs Covers

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configuring Cisco

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Unity Connection
users, templates,
service classes,
distribution lists,
security, LDAP, dial
plans, and call
management Walks
through Unified
Messaging single
Inbox configuration
Shows how to
design, integrate,

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and configure
feature-rich branch
office messaging
solutions with Cisco
Unity Express
Explains Cisco
Unified IM and
Presence
components,
design, integration,
deployment, and
feature
configuration

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Covers Cisco Jabber
and Cisco Jabber
Mobile

configuration

Guides you through

deploying Cisco

Collaboration

Systems

Applications with

Cisco Prime

Collaboration

Introduces Cisco

TelePresence

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Management Suite
(Cisco TMS)

capabilities and
scheduling options
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tools that help networking professionals build their understanding of networking concepts and prepare for Cisco certification exams. Designing for Cisco Internetwork Solutions (DESGN) (Authorized CCDA Self-Study Guide)

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CCNP Data Center
Core DCCOR

350-601 Complete
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Configuring Cisco
Voice Over IP,
Second Edition
provides network
administrators
with a thorough
understanding of
Cisco's current

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voice solutions.

This book is

organized around

the configuration

of all of Cisco's

core VoIP

products,

including Cisco

CallManager

software, Cisco

7910 series of

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server-based IP

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PBXs. In addition, AVVID coverage has been added.

An update to a bestselling title in a growth market.

Continued competitive pressure on ISPs to deliver VoIP will create strong demand information on

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topic Voice Over IP is expected to make great inroads in 2002. Voice-over-IP got its start at the time of the first edition of the book; it is now real and more companies are adopting it since IT managers have

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become less skeptical of IP telephony's reliability and more aware of the potential cost savings and application benefits of a converged network. Voip wares now promise easier

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quality-of-service (QoS)

deployment, and a multitude of new IP phones and conferencing stations for corporations.

Cisco and IBM recently

announced a package deal that could help

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businesses quickly roll out IP voice in a small or midsize office. Since getting into the IP telephony market two years ago, Cisco has seen quick success in selling its voice-over-IP products into its vast installed

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base of IP LAN equipment customers. The firm was the top vendor of IP phones in the first quarter of this year and second in IP PBX system shipments (behind 3Com), according to Cahners In-Stat.

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Cisco has announced big changes to its certification program. As of February 24, 2020, all current certifications will be retired, and Cisco will begin offering new certification programs. The

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good news is if you're working toward any current CCNA certification, keep going. You have until February 24, 2020 to complete your current CCNA. If you already have CCENT/ICND1 certification and

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would like to earn CCNA, you have until February 23, 2020 to complete your CCNA certification in the current program. Likewise, if you're thinking of completing the current CCENT/ICND1, ICND2, or CCNA

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certification, you can still complete them between now and February 23, 2020.

Complete theory and practice for the CCNA Data Center Technologies exam CCNA Data

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Introducing Cisco
Data Center

Technologies
Study Guide is
your

comprehensive
study guide for
exam 640-916.

Authors Todd
Lammle and Todd
Montgomery,
authorities on

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Cisco networking, guide you through 100% of all exam objectives with expanded coverage of key exam topics, and hands-on labs that help you become confident in dealing with everyday challenges. You'll

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and a searchable PDF glossary of terms. Coverage includes Data Center networking and virtualization, storage networking, unified fabric, Cisco UCS configuration, Data Center

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services, and
much more, for
complete exam
preparation. This
is your guide to
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entire second
(and final) exam
required for
certification

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technologies

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virtualization

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major

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Prepare for using

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storage,

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Data Center Core

DCCOR 350-601

Complete Video

Course focuses

on implementing

and configuring

Cisco Identity

Services Engine

for preparation

for the DCCOR

350-601

certification, and

providing the

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necessary skills for real-world deployment scenarios.

Overview CCNP and CCIE Data Center Core DCCOR 350-601 Complete Video Course focuses on a blend of the real-world experience and

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best practices mixed with the requirements for the CCNP and CCIE Data Center Core DCCOR 350-601 exam. The goal of the course is to not only cover the objectives for the CCNP and CCIE Data Center Core

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exam, but also provide a solid learning resource for mastering key concepts regarding planning and delivering a Cisco Data Center solution. CCNP and CCIE Data Center Core DCCOR 350-601

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Complete Video Course is a unique and a complete video course that provides solid understanding of Core Data Center technologies as well as CCNP Data Center Core exam. This complete video

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course guides the viewer from an Introduction to the Data Center technologies such as Layer2 and Layer3 features, Overlay technologies such as OTV and VXLAN, Application Data Center

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Compute with
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Storage

management,

Hyperflex,

Security and

Programmability

and Automation.

The key topics

covered in this

course will enable

the viewers to

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understand and
implement the
key data center
technologies
covering network,
Software Defined
Data Center using
Cisco ACI,
Storage and
Compute and
finally automating
the services in
Data Center

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environment. The topics covered in the CCNP Data Center Core Technologies are the foundational topics for designing and implementing a Next Generation Data Center using Cisco hardware and Software.

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Cisco Nexus OS (NX-OS) is a next generation modular software, primarily targeting Data Center networking, with the motivation to provide the key features of virtualization, high availability

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and
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upgradeability on
Nexus line of
products. The NX-
OS software is
used across all
Nexus data
center products
which can run in
standalone as
well as ACI mode
and as SAN-OS.
This complete

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video course is

for candidates

who can install,

configure, and

manage Cisco

Nexus switches,

Cisco MDS

switches;

implement and

deploy

automation of

Cisco Application

Centric

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Infrastructure
(ACI), implement
compute using
Cisco Unified
Computing
System (UCS).

This complete
video course not
only helps
building the
foundation for the
CCNP Data Center
exam bu...

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Implementing
Cisco IOS

Network Security

(IINS) is a Cisco-

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Security

foundation

learning. This

book provides

you with the

knowledge

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needed to secure Cisco® routers and switches and their associated networks. By reading this book, you will gain a thorough understanding of how to troubleshoot and monitor network devices to

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maintain integrity, confidentiality, and availability of data and devices, as well as the technologies that Cisco uses in its security infrastructure. This book focuses on the necessity of a

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comprehensive security policy and how it affects the posture of the network. You will learn how to perform basic tasks to secure a small branch type office network using Cisco IOS® security features available through

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the Cisco Router and Security Device Manager (SDM) web-based graphical user interface (GUI) and through the command-line interface (CLI) on Cisco routers and switches. The author also provides, when

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appropriate,
parallels with
Cisco ASA
appliances.

Whether you are
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CCNA Security
certification or
simply want to
gain a better
understanding of
Cisco IOS security
fundamentals,

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you will benefit from the information provided in this book.

Implementing Cisco IOS Network Security (IINS) is part of a recommended learning path from Cisco that includes

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network security

policy to counter

threats against

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security Configure

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routers on the
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IOS zone-based

policy firewalls to

perform basic

security

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operations on a
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Cisco IOS

features

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Cisco network

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LAN devices to

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shield other

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network devices
and systems, and

protect the

integrity and

confidentiality of

network traffic

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the Certification

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provide officially

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developed self-study solutions to help networking professionals understand technology implementations and prepare for the Cisco Career Certifications examinations. Implementing Cisco UCS

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contains
configuration
scenarios and
command
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information
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Implementing

Cisco Storage

**demonstrate
bridging and
IBM**

**networking
options.**

**Written for
network
administrators
, this guide
explores
transparent
and source-**

Online Library
Implementing
Cisco Storage

route

transparent

bridging,

Source-Route

Bridging

(SRB), data

link switching

plus (DLSw+),

serial tunnel

and block

serial tunnel,

SDLC and

Online Library
Implementing
Cisco Storage
Networking
Solutions 3

**LLC2
parameters,
and advanced
peer-to-peer
networking.
This IBM®
Redbooks®
publication is
an IBM and
Cisco
collaboration
that**

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

**articulates
how IBM and
Cisco can
bring the
benefits of
their
respective
companies to
the modern
data center. It
documents the
architectures,**

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

**solutions, and
benefits that
can be**

**achieved by
implementing
a data center
based on IBM
server,
storage, and
integrated
systems, with
the broader**

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

Cisco network.

We describe

how to design

a state-of-the

art data center

and

networking

infrastructure

combining

Cisco and IBM

solutions. The

objective is to

Online Library
Implementing
Cisco Storage

**provide a
reference
guide for
customers
looking to
build an
infrastructure
that is
optimized for
virtualization,
is highly
available, is**

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

**interoperable,
and is efficient
in terms of
power and
space
consumption.
It will explain
the
technologies
used to build
the
infrastructure,**

Online Library

Implementing

Cisco Storage

**provide use
cases, and give
guidance on**

deployments.

Private cloud

computing

enables you to

consolidate

diverse

enterprise

systems into

one that is

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

**cloud-based
and can be
accessed by
end-users
seamlessly,
regardless of
their location
or changes in
overall
demand.**

Expert authors

Steve Smoot

Page 209/334

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

and Nam K.

Tan distill

their years of

networking

experience to

describe how

to build

enterprise

networks to

create a

private cloud.

With their

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

**techniques
you'll create
cost-saving
designs and
increase the
flexibility of
your
enterprise,
while
maintaining
the security
and control of**

Online Library

Implementing

Cisco Storage

an internal

network.

Private Cloud

Computing

offers a

complete

cloud

architecture

for enterprise

networking by

synthesizing

WAN

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

**optimization,
next-
generation
data centers,
and
virtualization
in a network-
friendly way,
tying them
together into a
complete
solution that**

Online Library

Implementing

Cisco Storage

**can be
progressively
migrated to as
time and**

resources

permit.

**Describes next-
generation**

data center

architectures

such as the

virtual access-

Online Library

Implementing

Cisco Storage

layer, the

unified data

center fabric

and the "rack-

and-roll"

deployment

model

Provides an

overview of

cloud security

and cloud

management

Online Library
Implementing
Cisco Storage
Networking
Solutions 3

**from the
server
virtualization
perspective
Presents real-
world case
studies,
configuration
and examples
that allow you
to easily apply
practical know-**

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

**how to your
existing
enterprise
environment
Offers
effective
private cloud
computing
solutions to
simplify the
costly and
problematic**

Online Library

Implementing

Cisco Storage

challenge of

enterprise

networking

and branch

server

consolidation

This IBM®

Redbooks®

Product Guide

describes the

Cisco MDS

9718

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

**Multilayer
Director for
IBM Storage
Networking
(9710-E16).**

**The MDS 9718
has the
industry's
highest port
density for a
storage area
network (SAN)**

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

**director and
features 768
line-rate 32
gigabits per
second (Gbps)
or 16 Gbps
Fibre Channel
ports.**

**Designed to
support
multiprotocol
workloads,**

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

**MDS 9718
enables SAN
consolidation
and collapsed-
core solutions
for large
enterprises,
which reduces
the number of
managed
switches and
leads to easy-**

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

**to-manage
deployments.**

The MDS 9718

supports the

48-Port 32

Gbps Fibre

Channel

Switching

Module, the

48-Port 16

Gbps Fibre

Channel

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

**Switching
Module, the
48-port 10
Gbps FCoE
Switching
Module, the
24-port 40
Gbps FCoE
switching
module, and
the 24/10-port
SAN Extension**

Online Library

Implementing

Cisco Storage

Networking
Solutions 3

Module. By reducing the number of front-panel ports that are used on inter-switch links (ISLs), it also offers room for future growth. MDS 9718 addresses the

Online Library
Implementing
Cisco Storage
**mounting
storage
requirements
of today's
large
virtualized
data centers.
As a director-
class SAN
switch, MDS
9718 uses the
same**

Online Library

Implementing

Cisco Storage

operating

system and

management

interface as

other Cisco

data center

switches. It

brings

intelligent

capabilities to

a high-

performance,

Online Library

Implementing

Cisco Storage

protocol-
independent

switch fabric,

and delivers u

ncompromisin

g availability,

security,

scalability,

simplified

management,

and the

flexibility to

Online Library

Implementing

Cisco Storage

**integrate new
technologies.**

You can use

MDS 9718 to

transparently

deploy unified

fabrics with

Fibre Channel

and Fibre

Channel over

Ethernet

(FCoE)

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

**connectivity to
achieve low
total cost of
ownership
(TCO). For mis-
sion-critical
enterprise
storage
networks that
require
secure, robust,
cost-effective**

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

**business-
continuance
services, the
FCIP extension
module is
designed to
deliver
outstanding
SAN extension
performance,
reducing
latency for**

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

**disk and tape
operations
with FCIP
acceleration
features,
including FCIP
write
acceleration
and FCIP tape
write and read
acceleration.
The guide to**

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

IT contracting

Foundation

Learning

Guide

Handbook of

Digital and

Multimedia

Forensic

Evidence

IBM and

Cisco:

Together for a

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

**World Class
Data Center
Configuring
Citrix
Metaframe for
Windows 2000
Terminal
Services
Implementing
a VersaStack
Solution by
Cisco and IBM**

Page 233/334

Online Library
Implementing
Cisco Storage
Networking
Solutions 3

**with IBM
FlashSystem
5030, Cisco
UCS Mini,
Hyper-V, and
SQL Server
Managing and
Securing a
Cisco
Structured
Wireless-Aware
Network is**

Online Library
Implementing
Cisco Storage
essential
Networking
reading for
Solutions 3
any network

admin, network
engineer, or
security
consultant
responsible
for the
design,
deployment
and/or

Online Library
Implementing
Cisco Storage
management of
Networking
a Cisco
Solutions 3
Structured
Wireless-Aware
Network. It
covers all
product
features, with
particular
attention to
the challenges
of integrating

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

legacy Cisco
products into
a Wireless-

Aware network.

Specifically,

Managing and

Securing a

Cisco

Structured

Wireless-Aware

Network also

includes

Online Library
Implementing
Cisco Storage
coverage of
Networking
Cisco IOS
Solutions 3
Software-based
Cisco Aironet
Series access
points, Cisco
and Cisco
Compatible
client
adapters and
the CiscoWorks
Wireless LAN

Online Library

Implementing

Cisco Storage

Solution

Networking

Engine (WLSE) .

Solutions 3

Emphasis on

AUTOMATING and

SIMPLIFYING

the management

of mixed

environment

(wired and

wireless)

networks

Describes how

Online Library
Implementing
Cisco Storage
Networking
Solutions 3
to centralized
control and
configuration
of thousands
of networking
devices
Security
blueprint to
help detect
rogue access
points and
achieve fast,

Online Library

Implementing

Cisco Storage

secure roaming

Networking

for mobile

Solutions 3

applications

Get started

using Cisco

technologies

quickly and

easily Here is

a fully

updated

edition of the

bestselling

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

**introductory
guide to Cisco
products and
technologies.**

**Cisco: A
Beginner's
Guide, Fourth
Edition
provides you
with a
practical
hands-on**

Online Library
Implementing
Cisco Storage
Networking
Solutions 3

**resource for
successfully
designing and
managing a
Cisco network.
Learn to work
with Cisco
routers and
switches,
wireless
technologies,
and storage**

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

tools. You'll

also get full

details on

network

security,

including

firewalls, as

well as

communications

solutions such

as VoIP. This

is a must-have

Online Library

Implementing

Cisco Storage

resource for

Networking

anyone

Solutions.3

interested in

internetworkin

g and Cisco

technologies.

Work with

Cisco's

Internet

technologies

Configure

Cisco routers

Online Library
Implementing
Cisco Storage
and networks
Networking
Understand
Solutions 3
Cisco internet
working
technologies
including LAN
switches,
multilayered
switching, and
VLANs Secure
your network
using

Online Library

Implementing

Cisco Storage

CiscoSecure

Networking

ACS, Cisco PIX

Solutions 3

firewall, IOS

Firewall, and

other methods

Enable

wireless inter

networking

using the

Cisco Aironet

and Airespace

products

Online Library

Implementing

Cisco Storage

Deploy VoIP

Networking
via Cisco

Solutions 3

Unified

Communications

Implement

Cisco storage

area network

(SAN) and

content

delivery

network (CDN)

solutions Use

Online Library
Implementing
Cisco Storage
Networking
Solutions 3

**both open
standard
routing**

protocols

**(RIP, OSPF,
BGP) and Cisco-
proprietary
protocols**

**(IGRP and
EIGRP) Design,
manage, and
troubleshoot a**

Online Library

Implementing

Cisco Storage

robust Cisco

Networking

network

Solutions 3

This volume

presents an

overview of

computer

forensics

perfect for

beginners. A

distinguished

group of

specialist

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

authors have
crafted
chapters rich
with detail
yet accessible
for readers
who are not
experts in the
field. Tying
together
topics as
diverse as

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

applicable
laws on search
and seizure,
investigating
cybercrime,
and

preparation
for courtroom
testimony,

Handbook of
Digital and
Multimedia

Online Library

Implementing

Cisco Storage

Evidence is an

ideal overall

reference for

this multi-

faceted

discipline.

Authorized

Self-Study

Guide

Designing for

Cisco

Internetwork

Online Library
Implementing
Cisco Storage
Solutions
Networking
Solutions 3
(DESGN) Second
Edition
Foundation
learning for
CCDA exam
640-863
Designing for
Cisco
Internetwork
Solutions
(DESGN) ,

Online Library
Implementing
Cisco Storage

Second
Edition, is a
Cisco®-authori-
zed, self-
paced learning
tool for CCDA®
foundation
learning. This
book provides
you with the
knowledge
needed to

Online Library
Implementing
Cisco Storage
design

Networking
enterprise

Solutions 3
networks. By

reading this

book, you will

gain a

thorough

understanding

of designing

routed and

switched

network infras

Online Library
Implementing
Cisco Storage
Network
Solutions 3

**tructures and
services
within a
modular
architecture.
In Designing
for Cisco
Internetwork
Solutions
(DESGN) ,
Second
Edition, you**

Online Library

Implementing

Cisco Storage

Networking
Solutions 3

will study a
broad range of
network design
principles and
guidelines.

You will learn
about network
design in the
context of the
Cisco Service-
Oriented
Network

Online Library

Implementing

Cisco Storage

Architecture

Networking

(SONA)

Solutions 3

framework and

the Cisco

Enterprise

Architecture.

Specific

topics include

campus and

data center in

frastructure,

remote

Online Library
Implementing
Cisco Storage
connectivity,
Networking
IP addressing
Solutions 3
design,
routing
protocol
selection,
voice network
design,
wireless
network
design, and
including

Online Library

Implementing

Cisco Storage

security in

your designs.

Networking

Solutions 3

An ongoing
case study

plus chapter-

ending review

questions

illustrate and

help solidify

the concepts

presented in

the book.

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

Whether you
are preparing
for CCDA

certification
or simply want
to gain a
better
understanding
of network
design
principles,
you will

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

benefit from
the foundation
information

presented in
this book.

Designing for
Cisco

Internetwork
Solutions

(DESGN) ,

Second

Edition, is

Online Library

Implementing

Cisco Storage

part of a

Networking

recommended

Solutions 3

learning path

from Cisco

that includes

simulation and

hands-on

training from

authorized

Cisco Learning

Partners and

self-study

Online Library
Implementing
Cisco Storage
products from
Networking
Cisco Press.
Solutions 3
To find out
more about
instructor-led
training, e-
learning, and
hands-on
instruction
offered by
authorized
Cisco Learning

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Implementing
Cisco Storage
Partners

worldwide,
please visit www.cisco.com/go/authorizedtraining. Diane Teare is a professional in the networking, training, and e-learning

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Cisco Storage

Networking

Solutions 3

fields. She has more than 20 years of experience in designing, implementing, and troubleshooting network hardware and software and has also been involved in

Online Library
Implementing
Cisco Storage
teaching,
Networking
course design,
Solutions 3
and project
management.

She has
extensive
knowledge of
network design
and routing
technologies
and is an
instructor

Online Library
Implementing
Cisco Storage
with one of
Networking
the largest
Solutions 3
authorized

Cisco Learning
Partners.

Understand the
Cisco vision
of intelligent
networks and
the SONA
framework

Learn how to

Online Library
Implementing
Cisco Storage
structure and
Networking
modularize
Solutions 3
network
designs within
the Cisco
Enterprise
Architecture
Design basic
campus and
data center
networks Build
designs for

Online Library

Implementing

Cisco Storage

remote

Networking

connectivity

Solutions 3

with WAN

technologies

Create IPv4

addressing

schemes

Understand

IPv6 design

Select the

appropriate

routing

Online Library
Implementing
Cisco Storage
Networking
Solutions 3
protocol for
various
modules in the
Cisco
Enterprise
Architecture
Design basic
VoIP and IP
telephony
networks
Understand
wireless

Online Library
Implementing
Cisco Storage
design

Networking
principles
Solutions 3

Build security
into your
network

designs This
volume is in
the

Certification

Self-Study

Series offered

by Cisco

Online Library

Implementing

Cisco Storage

Press®. Books

Networking

in this series

Solutions 3

provide

officially

developed self-

study

solutions to

help

networking

professionals

understand

technology imp

Online Library
Implementing
Cisco Storage
Implementations
Networking
and prepare
Solutions 3
for the Cisco
Career
Certifications
examinations.
Category:
Cisco
Press—Network
Design Covers:
CCDA Exam
640-863

Online Library

Implementing

Cisco Storage

(CCNP SWITCH

Networking
300-115)

Solutions 3

The

Competitive

Edge in

Business

Technology

Managing and

Securing a

Cisco

Structured

Wireless-Aware

Online Library

Implementing

Cisco Storage

Network

Networking

Implementing

Solutions 3

Cisco

Hyperflex

Solutions

Storage Area

Network

Fundamentals

IBM Storage

Networking c-

type FICON

Implementation

Online Library
Implementing
Cisco Storage
Guide

*The next-
generation IBM® c-
type Directors and
switches for IBM
Storage
Networking
provides high-
speed Fibre
Channel (FC) and
IBM Fibre
Connection (IBM
FICON®)*

Online Library

Implementing

Cisco Storage

***connectivity from
the IBM Z®***

platform to the

storage area

network (SAN)

core. It enables

enterprises to

rapidly deploy

high-density

virtualized servers

with the dual

benefit of higher

bandwidth and

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

***consolidation. This
IBM Redpaper
Redbooks***

***publication helps
administrators
understand how to
implement or
migrate to an IBM
c-type SAN
environment. It
provides an
overview of the
key hardware and***

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

***software products,
and it explains
how to install,
configure, monitor,
tune, and
troubleshoot your
SAN environment.
Configuring Citrix
Metaframe for
Windows 2000
Terminal Services
describes all the
means in using***

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

***both Microsoft
Windows 2000
Terminal Services
and Citrix***

***MetaFrame in an
environment. The
book specifically
covers ways on
designing the
infrastructure,
implementing the
plan,
troubleshooting***

Online Library

Implementing

Cisco Storage

***the deployment,
and configuring
servers and***

***clients. The text
also explains the
process of
deploying
applications over
the Internet,
monitoring end
users, and
securing
applications and***

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

***data. The book
also directs how to
improve
applications'
performance with
thin clients.***

***A guide to
planning,
implementing,
managing, and
using storage area
networks to
increase the***

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

***efficiency of your
network***

***infrastructure Gain
in-depth coverage
of SAN***

fundamentals,

topologies,

implementation

and management

techniques, and

products Build and

sharpen your

troubleshooting

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

skills for data-mining, online transaction processing, imaging, data warehousing, and other highly data-intensive applications
Understand how to implement the Fibre Channel and iSCSI protocols,

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

***which are key to
any SAN solution***

Learn current

industry

implementation

and application

standards, as well

as future advances

During the last

decade, a

multitude of

changes in

computing

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

technology and the globalization of business through the Internet have resulted in a tremendous growth in storage requirements. This has forced many organizations around the world to reassess the way they view their

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Implementing
Cisco Storage
Networking
Solutions 3

storage environment. Many applications, such as e-commerce, imaging, data warehousing, Enterprise Resource Planning (ERP), and Customer Relationship Management (CRM), fill storage

Online Library

Implementing

Cisco Storage

media quickly.

Networking

Solutions 3

***Data accessibility
and availability for***

these applications

has to be fast and

efficient. Clearly,

the ever-

increasing

information access

requirements have

had a profound

effect on most

data centers. As a

Online Library

Implementing

Cisco Storage

Networking

Solutions ?

result, many organizations are searching for cost-effective ways to ensure high data availability and reliability. Storage Area Network Fundamentals presents the benefits of storage area networks (SANs) to

Online Library

Implementing

Cisco Storage

*corporate users
and enables them*

to deploy SAN

technology

effectively.

Designed as an

introduction to

SANs, Storage

Area Network

Fundamentals

develops an

understanding of

SAN basics and

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

***shows how to
plan, implement,
and manage a
SAN. This book
covers the
topologies,
protocols, and
products required
to implement and
manage efficient
SANs.***

Implementing

Cisco IOS Network

Page 293/334

Online Library

Implementing

Cisco Storage

Security (IINS)

Networking

Solutions 3

Learning Guide

Second Edition

Foundation

learning for the

CCNA Security

IINS 640-554 exam

Implementing

Cisco IOS Network

Security (IINS)

Foundation

Learning Guide,

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

***Second Edition, is
a Cisco-***

***authorized, self-
paced learning***

tool for CCNA®

Security 640-554

foundation

learning. This

book provides you

with the

knowledge needed

to secure Cisco®

networks. By

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

***reading this book,
you will gain a
thorough***

***understanding of
how to develop a
security***

***infrastructure,
recognize threats
and vulnerabilities
to networks, and
mitigate security
threats. This book
focuses on using***

Online Library

Implementing

Cisco Storage

***Cisco IOS routers
to protect the
network by***

***capitalizing on
their advanced
features as a
perimeter router,
firewall, intrusion
prevention system,
and site-to-site
VPN device. The
book also covers
the use of Cisco***

Online Library

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Cisco Storage

Networking

Solutions 3

Catalyst switches for basic network security, the Cisco Secure Access Control System (ACS), and the Cisco Adaptive Security Appliance (ASA). You learn how to perform basic tasks to secure a small branch office

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

***network using
Cisco IOS security
features available
through web-
based GUIs (Cisco
Configuration
Professional) and
the CLI on Cisco
routers, switches,
and ASAs.***

***Whether you are
preparing for
CCNA Security***

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

certification or simply want to gain a better understanding of Cisco IOS security fundamentals, you will benefit from the information provided in this book.

***Implementing
Cisco IOS Network
Security (IINS)***

Page 300/334

Online Library
Implementing
Cisco Storage
Networking
Solutions 2

***Foundation
Learning Guide,
Second Edition, is
part of a
recommended
learning path from
Cisco that
includes
simulation and
hands-on training
from authorized
Cisco Learning
Partners and self-***

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

***study products
from Cisco Press.***

***To find out more
about instructor-
led training, e-
learning, and
hands-on
instruction offered
by authorized
Cisco Learning
Partners
worldwide, please
visit www.cisco.co***

Online Library

Implementing

Cisco Storage

Networking

Solutions 3

***m/go/authorizedtra
ining. -- Develop a
comprehensive
network security
policy to counter
threats against
information
security -- Secure
borderless
networks -- Learn
how to use Cisco
IOS Network
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features --***

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control lists --
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zone-based
firewalls --
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prevention***

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translation (NAT) --**

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worldwide, this portable desk reference is ideal for anytime/anywhere take-home study and reference. Fully aligned to the online course chapters, it offers additional book-based pedagogy to reinforce key concepts, enhance student comprehension, and promote retention. Using it, students can focus scarce study time,

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approach which will
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a professional such as a system, network, or storage administrator who is responsible for Cisco UCS

deployments, this is the perfect book for you.

You should have some basic knowledge of the server's architecture, network, and storage technologies.

Familiarity with virtualization

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technologies is also recommended (though not necessary) as the majority of real-world UCS deployments run virtualized loads.

Knowledge of Nexus OS is not necessary as the majority of the management tasks are handled in a graphical user interface with very few exceptions using the CLI.

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The IBM® System Storage® Solutions Handbook helps you solve your current and future data storage business requirements. It helps you achieve enhanced storage efficiency by design to allow managed cost, capacity of growth, greater mobility, and stronger control over storage performance

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and management. It describes the most current IBM storage products, including the IBM Spectrum™ family, IBM FlashSystem®, disk, and tape, as well as virtualized solutions such IBM Storage Cloud. This IBM Redbooks® publication provides overviews and information about the

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Many organizations
and network

administrators are
looking for

information on

Windows 2000 and
its new features. IT

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professionals responsible for installing, configuring and managing Microsoft products will be highly motivated to migrate to this new technology, based on its promise of reducing administrative overhead. Microsoft Windows 2000

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Server (the predecessor to Windows NT 4 Server) integrates network services for companies and administrators to set up and manage networks, remote access and extranets, as well as to manage other communications.

Managing Windows

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2000 Network
Services will be the
first book to focus
exclusively on
networking and
integrated voice,
video, and data on
networks. Readers
will learn how to
deploy and integrate
all Windows 2000
networking
technologies within
an enterprise

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network. * The publication of the book will be with or soon after the release of Windows 2000 * Focuses completely on Network Services Cisco® Nexus switches and the new NX-OS operating system are rapidly becoming the new

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de facto standards for data center distribution/aggregation layer networking. NX-OS builds on Cisco IOS to provide advanced features that will be increasingly crucial to efficient data center operations. NX-OS and Cisco Nexus Switching is the definitive guide

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to utilizing these powerful new capabilities in enterprise environments. In this book, three Cisco consultants cover every facet of deploying, configuring, operating, and troubleshooting NX-OS in the data center. They review

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the key NX-OS enhancements for high availability, virtualization, In-Service Software Upgrades (ISSU), and security. In this book, you will discover support and configuration best practices for working with Layer 2 and Layer 3 protocols and

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networks,
implementing

multicasting,

maximizing

serviceability,

providing consistent

network and storage

services, and much

more. The authors

present multiple

command-line

interface (CLI)

commands, screen

captures, realistic

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configurations, and troubleshooting tips—all based on their extensive experience working with customers who have successfully deployed Nexus switches in their data centers. Learn how Cisco NX-OS builds on and differs from IOS Work with NX-OS user modes,

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management
networking
interfaces, and

system files

Configure Layer 2

networking:

VLANs/private

VLANs, STP, virtual

port channels, and

unidirectional link

detection Configure

Layer 3 EIGRP,

OSPF, BGP, and

First Hop

Redundancy

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Protocols (FHRPs)

Networking
Set up IP

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multicasting with

PIM, IGMP, and

MSDP Secure NX-

OS with SSH, Cisco

TrustSec, ACLs,

port security, DHCP

snooping, Dynamic

ARP inspection, IP

Source Guard,

keychains, Traffic

Storm Control, and

more Build high

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availability networks
using process
modularity and
restart, stateful
switchover, nonstop
forwarding, and in-
service software
upgrades Utilize NX-
OS embedded
serviceability,
including Switched
Port Analyzer
(SPAN), Smart Call
Home, Configuration

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Checkpoint/Rollback
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the NX-OS Unified

Fabric to simplify
infrastructure and

provide ubiquitous
network and storage

services Run NX-OS

on Nexus 1000V

server-based

software switches

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efficient networks,

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technologies, and

building successful

careers.