

Where To Download Cisco Network Services Orchestrator Foundation Nso100

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~~Cisco Network
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Ns0100~~
Architecture Cisco

Network Services

Orchestrator

Architecture [NSO

Guide] Cisco Network

Services Orchestrator

Introduction to

Network Services

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Orchestrator - the
single API and CLI for
your network Cisco
Network Services
Orchestrator Demo
Network Services
Orchestrator

Designing and
Developing Network
Services with NSO

NSO Cisco Network
Services Orchestrator

What is Cisco NSO
(Tail-f)? What should

Where To Download Cisco

Learn? DNA? APIC-
EM? ACI? NSO? Help!
(Part 2) Cisco Network
Services Orchestrator

Demo What is SD-
WAN? say GOODBYE
to MPLS, DMVPN,
iWAN... w/ SDN, Cisco
and Viptela What is
NFV? REST API

concepts and
examples NSO
Developer Days 2020
Day 1 Welcome,

Where To Download Cisco

Keynote, and The
Stage Sessions

My career crashed!
My story.

Networking Done

Right

Automation Tools

My Top 7 List

Hands On Cisco DNA

Center Platform on

TechWiseTV Using

Cisco NSO as a

service operations

tool

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~~Network
Services
Orchestrator
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NSO 100~~

fundamentals of
Segment Routing
[demo] Cisco Network
Services Orchestrator
4.4 L3 VPN v1
demonstration Cisco
Network Service
Orchestration enabled
by Tail-f Linux
Bridges, IP Tables,
and CNI Plug-Ins - A
Container Networking
Deepdive The Fallacy
of the "Zero-Trust

Where To Download Cisco

Network /" 2. Cisco
NSO VPN Service
Orchestration
(L3VPN) (2019)

Cisco's Intent-Based
Networking and the
Journey to Software
Defined Networks
NSO Developer Days
—Day 1— HashiCorp
Brings a Cloud
Operating Model to
Network Engineers
Which Network

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Automation Tools
should I learn?

Python, Ansible,
Genie and more: Tool

Chest Cisco Network
Services Orchestrator
Foundation

Cisco Network
Services Orchestrator
(NSO) The bridge
between intent and
action NSO provides a
robust bridge linking
network automation

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and orchestration tools with the underlying physical and virtual infrastructure. It includes a rich set of northbound software interfaces and APIs that allow straightforward northbound integration.

Cisco Network

Page 11/127

Where To Download Cisco Network Services Orchestrator (NSO)

A proven
multivendor, cross-
domain automation
platform for service
providers and large
enterprises, Cisco
Network Services
Orchestrator (NSO) is
the bridge that links
business intent to
your organization ' s
underlying physical

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and virtual
infrastructure.

Product overview

Cisco Network

Services Orchestrator

- Cisco Network ...

Cisco® Network

Services Orchestrator

(NSO) enabled by Tail-

f® is in production in

all of the top ten

service providers and

a number of large

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enterprises today. It provides end-to-end lifecycle service automation to design and deliver high-quality services faster and more easily.

Cisco Network
Services Orchestrator
Enabled by Tail-f -
Cisco

The Cisco Network
Services Orchestrator

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Foundation (NSO100)

course is an instructor-led, lab-based, hands-on course offered by Cisco® Learning Services. This course introduces learners to the Cisco Network Services Orchestrator (NSO) solution, which leverages the power of YANG and NETCONF to

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streamline network
operations and
management.

NSO100 - Cisco
Network Services
Orchestrator
Foundation ...
Cisco Network
Services Orchestrator
(NSO) Network
Element Drivers
(NED) and Function
Packs (CFP) Selected

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Network
Services
Orchestrator
Foundation
NSO 100

Versions, July 2020
End-of-Sale and End-
of-Life Announcement
for the Cisco Network
Services Orchestrator
4.x and Related
Network Element
Drivers and Function
Packs 03-Dec-2019

Cisco Network
Services Orchestrator
Cisco Network
Services Orchestrator

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Foundation (NSO100)

The NSO100 course introduces learners to the Cisco Network

Services Orchestrator

(NSO) solution, which

leverages the power of YANG and

NETCONF to

streamline network

operations and

management. By

focusing on the latest

standards and

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innovations, Cisco

NSO is a true
multivendor Software
Orchestrator
...

Foundation

Learning@Cisco

Network Services

Orchestrator (NSO)

Training

Foundation for Other

Solutions. Cisco

Process Orchestrator

is the foundational

engine on which

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Cisco has built a number of data center-, application-, and network-focused solutions. These include: Cisco Intelligent Automation for Cloud, which helps to provision infrastructure or application services requested by end users

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Cisco Process
Orchestrator - Cisco
Cisco Network
Services Orchestrator
At-a-Glance (PDF -
340 KB) Bulletins.
Cisco Network
Services Orchestrator
(NSO) Network
Element Drivers
(NED) and Function
Packs (CFP) Selected
Versions, July 2020;

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Cisco Network
Services Orchestrator
(NSO) Product
Bulletin;
Configuration
Examples and
TechNotes.

Cisco Network
Services Orchestrator
4.2 - Cisco
Cisco Network
Services Orchestrator
(NSO) ... All of these

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transformations
require a foundation
that can scale both
services and
operations into the
future. New, more
efficient, more
automated, and more
economical ways of
converging and
interconnecting your
network services are
available. You can
trust Cisco to be at

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the forefront of what
is ...

Interconnecting the
Cable Access Network
- Cisco

The Cisco Network
Services Orchestrator
(NSO) Administration
and DevOps
(NSO303) v3.0 course
focuses on Cisco®
NSO development,
operation, and

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administration tasks.
You will learn how to
set up, configure,
deploy, and maintain
a Cisco Network
Services Orchestrator
solution, and you will
learn best practices
for using DevOps.

Cisco NSO
Administration and
DevOps (NSO303) -
Cisco

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Network Services
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Foundation Nso100
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Services Orchestrator
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Nso100

Cisco Network
Services Orchestrator
Foundation Nso100
Cisco Network
Services Orchestrator
(NSO) provides a
robust and
sophisticated bridge

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Network automation and orchestration frameworks, such as business process workflow, OSS/BSS, and DevOps tooling and the underlying physical and virtual infrastructure.

Cisco Network
Services Orchestrator
(NSO ... - Metsi ...
The Cisco Network

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Orchestrator1 (NSO)
Operations (NSO200)
course is an

instructor-led, lab-
based, hands-on
course offered by
Cisco® Learning
Services. The course
focuses on Cisco NSO
system and service
maintenance tasks
and builds on the
knowledge gained

Where To Download Cisco Network Services Orchestrator Foundation (NSO100) course.

Nso100

NSO200 | Cisco
Network Services
Orchestrator (NSO ...
A vulnerability in the
CLI of Cisco Network
Services Orchestrator
(NSO) could allow an
authenticated, local

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attacker to access confidential information on an affected device. The vulnerability is due to a timing issue in the processing of CLI commands. An attacker could exploit this vulnerability by executing a specific sequence of commands on the CLI. A successful

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exploit could allow
the ...

Cisco Network
Services Orchestrator
Information
Disclosure ...

The following Cisco
courses can help you
gain the necessary
background: Network
Programmability
Basics (Cisco DevNet
Course) Introducing

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Automation for Cisco
Solutions (CSAU)
Programming for
Network Engineers
(PRNE) Course
outline. Section 1:
Introducing Service
Orchestration with
Cisco NSO. Challenges
of Network
Management

NSO Essentials for
Programmers and

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Network... - Cisco
Summary A
vulnerability in the
Cisco Network Plug
and Play server
component of Cisco
Network Services
Orchestrator (NSO)
could allow an
unauthenticated,
remote attacker to
gain unauthorized
access to
configuration data

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that is stored on an
affected NSO system.

Cisco Network
Services Orchestrator
Network Plug and
Play ...

Abstract: Shortly after
adopting automation
and Cisco NSO,
Intelsat is automating
its network
provisioning routines,
for both

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Infrastructure and customer networks. This session will be jointly delivered by an Intelsat Principal Architect and Cisco CX Software Architect and will provide a look into Intelsat 's Automation journey – joining hands with Cisco CX in establishing an automation ...

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NSO Developer Days

2019: Intelsat -

community.cisco.com

Cisco announces the

end-of-life dates for

the Cisco Network

Services Orchestrator

(NSO), Network

Element Drivers

(NED) and Core

Function Packs (CFP)

versions listed below.

Customers with active

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Network
Services
Orchestrator
Foundation
NSO100

service contracts will continue to receive support from the Cisco Technical Assistance Center (TAC) as shown in Table 1 of this bulletin. Table 1 describes the end-of-life milestones, definitions, and ...

Cisco Network
Services Orchestrator

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- Cisco Network ...

Cisco announces the end-of-sale and end-of-life dates for the

Cisco Process

Orchestrator. The last day to order the affected product(s) is April 30, 2021.

Customers with active service contracts will continue to receive support from the Cisco Technical

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Assistance Center
(TAC) as shown in
Table 1 of the EoL
bulletin. Table 1
describes the end-of-
life milestones,
definitions, and dates
for the ...

Designing for Cisco
Network Service
Architectures (ARCH)

Where To Download Cisco

Network Learning
Guide, Fourth Edition

- Learn about the Cisco modular enterprise architecture
- Create highly available enterprise network designs
- Develop optimum Layer 3 designs
- Examine advanced WAN services design considerations

Where To Download Cisco

Evaluate data center design considerations

- Design effective modern WAN and data center designs
- Develop effective migration approaches to IPv6
- Design resilient IP multicast networks
- Create effective network security designs

Designing for Cisco Network Service

Where To Download Cisco

Architectures (ARCH)
Foundation Learning
Guide , Fourth
Edition, is a Cisco-
authorized, self-paced
learning tool for
CCDP foundation
learning. This book
provides you with the
knowledge needed to
perform the
conceptual,
intermediate, and
detailed design of a

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infrastructure that supports desired network solutions over intelligent network services to achieve effective performance, scalability, and availability. This book presents concepts and examples necessary to design converged enterprise

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networks. You learn additional aspects of modular campus design, advanced routing designs, WAN service designs, enterprise data center design, IP multicast design, and security design. Advanced and modern network infrastructure solutions, such as virtual private

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networks (VPN), Cisco
Intelligent WAN
(IWAN), and Cisco
Application-Centric
Infrastructure (ACI),
are also covered.

Chapter-ending
review questions
illustrate and help
solidify the concepts
presented in the
book. Whether you
are preparing for
CCDP certification or

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CCDE certification, or simply want to gain a better understanding of designing scalable and reliable network architectures, you will benefit from the foundation information presented in this book. Designing for Cisco Network Service Architectures (ARCH) Foundation

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Learning Guide,
Fourth Edition, is part
of a recommended
learning path from
Cisco that includes
simulation and hands-
on training from
authorized Cisco
Learning Partners
and self-study
products from Cisco
Press. To find out
more about instructor-
led training, e-

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learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit <https://learningnetwork.cisco.com>.

Category: Cisco
Certification Covers:
CCDP ARCH 300-320

The complete guide
to transforming
enterprise networks

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with Cisco DNA As networks become more complex and dynamic, organizations need better ways to manage and secure them. With the Cisco Digital Network Architecture, network operators can run entire network fabrics as a single, programmable

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system by defining rules that span their devices and move with their users.

Using Cisco intent-based networking, you spend less time programming devices, managing configurations, and troubleshooting problems so you have more time for driving value from your

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network, your applications, and most of all, your users. This guide systematically introduces Cisco DNA, highlighting its business value propositions, design philosophy, tenets, blueprints, components, and solutions. Combining insider information

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with content previously scattered through multiple technical documents, it provides a single source for evaluation, planning, implementation, and operation. The authors bring together authoritative insights for multiple business and technical audiences.

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Senior executives will learn how DNA can help them drive digital transformation for competitive advantage. Technical decision-makers will discover powerful emerging solutions for their specific needs. Architects will find essential recommendations, interdependencies,

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and caveats for
planning
deployments. Finally,
network operators
will learn how to use
DNA Center ' s
modern interface to
streamline, automate,
and improve virtually
any network
management task. .
Accelerate the digital
transformation of
your business by

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adopting an intent-
based network
architecture that is
open, extensible, and
programmable.

Integrate
virtualization,
automation, analytics,
and cloud services to
streamline operations
and create new
business
opportunities · Dive
deep into hardware,

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software, and
protocol innovations
that lay the
programmable
infrastructure
foundation for DNA .
Virtualize advanced
network functions for
fast, easy, and flexible
deployments .
Translate business
intent into device
configurations and
simplify, scale, and

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Automate network operations using controllers · Use analytics to tune performance, plan capacity, prevent threats, and simplify troubleshooting · Learn how Software-Defined Access improves network flexibility, security, mobility, visibility, and performance ·

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Use DNA Assurance
to track the health of
clients, network
devices, and
applications to reveal
hundreds of
actionable insights .
See how DNA
Application Policy
supports granular
application
recognition and end-
to-end treatment, for
even encrypted

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applications .

Identify malware,
ransomware, and
other threats in
encrypted traffic

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This introduction to
networking on Linux
now covers firewalls,
including the use of
ipchains and Netfilter,
masquerading, and
accounting. Other
new topics in this

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second edition
include Novell
(NCP/IPX) support
and INN (news
administration).

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A practical guide to
building
programmable
networks using
OpenDaylight About
This Book Learn and
understand how SDN
controllers operate

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and integrate with networks; this book's step-by-step tutorials will give you a strong foundation in SDN, NVF, and OpenDayLight. Learn how to map legacy Layer 2/3 networking technologies in the SDN world Add new services and capabilities to your infrastructure and

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quickly adopt SDN
and NFV within your
organization with
OpenDayLight.

Integrate and manage
software-defined
networks efficiently
in your organization.

Build innovative
network applications
with OpenDayLight
and save time and
resources. Who This
Book Is For This book

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targets network engineers, network programmers and developers, administrators, and anyone with some level of networking experience who'd like to deploy OpenDayLight effectively. Familiarity with the day-to-day operations of computer networks is

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expected What You
Will Learn Transition
from legacy
networking to
software-defined
networking Learn
how SDN controllers
work and manage a
network using
southbound and
northbound APIs
Learn how to deploy
the OpenDayLight
SDN controller and

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Integrate it with
virtual switches
Understand the basic
design and operation
of the OpenDaylight
platform Build simple
MD-SAL

OpenDaylight
applications Build
applications on top of
OpenDayLight to
trigger network
changes based on
different events

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Integrate OpenStack with OpenDayLight to build a fully managed network Orchestrator Learn how to build a software-defined datacenter using NFV and service-chaining technologies In Detail OpenDaylight is an open source, software-defined network controller based on standard protocols. It

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aims to accelerate the adoption of Software-Defined Networking (SDN) and create a solid foundation for Network Functions Virtualization (NFV). SDN is a vast subject; many network engineers find it difficult to get started with using and operating different SDN platforms. This

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book will give you a practical bridge from SDN theory to the practical, real-world use of SDN in datacenters and by cloud providers. The book will help you understand the features and use cases for SDN, NFV, and OpenDaylight. NFV uses virtualization

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Network
Services
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concepts and techniques to create virtual classes for node functions. Used together, SDN and NFV can elevate the standards of your network architecture; generic hardware-saving costs and the advanced and abstracted software will give you the freedom to evolve

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your network in the future without having to invest more in costly equipment. By the end of this book, you will have learned how to design and deploy OpenDaylight networks and integrate them with physical network switches. You will also have mastered basic network

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Nso 100

programming over
the SDN fabric. Style
and approach This is
a step-by-step tutorial
aimed at getting you
up-to-speed with
OpenDayLight and
ready to adopt it for
your SDN (Software-
Defined Networking)
and NFV (Network
Functions
Virtualization)
ecosystem.

Where To Download Cisco Network

For the past couple of years, network automation

techniques that include software-defined networking (SDN) and dynamic resource allocation schemes have been the subject of a significant research and development effort. Likewise,

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network functions
virtualization (NFV)
and the foreseeable
usage of a set of
artificial intelligence
techniques to
facilitate the
processing of
customers '
requirements and the
subsequent design,
delivery, and
operation of the
corresponding

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services are very likely to dramatically distort the conception and the management of networking infrastructures. Some of these techniques are being specified within standards developing organizations while others remain perceived as a “ buzz ” without any

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concrete deployment plans disclosed by service providers. An in-depth understanding and analysis of these approaches should be conducted to help internet players in making appropriate design choices that would meet their requirements as well as their customers.

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This is an important area of research as these new developments and approaches will inevitably reshape the internet and the future of technology. Design Innovation and Network Architecture for the Future Internet sheds light on the foreseeable yet

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Dramatic evolution of internet design principles and offers a comprehensive overview on the recent advances in networking techniques that are likely to shape the future internet. The chapters provide a rigorous in-depth analysis of the promises, pitfalls, and

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Other challenges raised by these initiatives, while avoiding any speculation on their expected outcomes and technical benefits. This book covers essential topics such as content delivery networks, network functions virtualization, security, cloud

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Computing,
automation, and
more. This book will
be useful for network
engineers, software
designers, computer
networking
professionals,
practitioners,
researchers,
academicians, and
students looking for a
comprehensive
research book on the

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latest advancements
in internet design
principles and
networking
techniques.

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Now fully updated for
the new Cisco
SWITCH 300-115
exam, Implementing
Cisco IP Switched
Networks (SWITCH)
Foundation Learning
Guide is your Cisco®

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Authorized learning
tool for CCNP® or
CCDP® preparation.
Part of the Cisco
Press Foundation
Learning Series, it
teaches you how to
plan, configure,
verify, secure, and
maintain complex
enterprise switching
solutions using Cisco
Catalyst® switches
and Enterprise

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Network Architecture.

The authors show you 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

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reviewing basic switching concepts, network design, and campus network architecture. Next, they present in-depth coverage of spanning-tree, inter-VLAN routing, first-hop redundancy, network management, advanced switch features, high availability, and

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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 assess and reinforce your understanding.

Throughout,
configuration

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Examples, and sample verification outputs illustrate critical issues in network operation and troubleshooting. This guide is ideal for all certification candidates who want to master all the topics covered on the SWITCH 300-115 exam. Serves as the official textbook for

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version 7 of the Cisco
Networking Academy
CCNP SWITCH course
Covers basic
switching
terminology and
concepts, and the
unique features of
Cisco Catalyst switch
designs Reviews
campus network
design, including
network structure,
roles of Cisco Catalyst

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switches, and
differences between
Layer 2 and
multilayer switches
Introduces VLANs,
VTP, Trunking, and
port-channeling
Explains Spanning
Tree Protocol
configuration
Presents concepts
and modern best
practices for
interVLAN routing

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Covers first-hop
redundancy protocols
used by Cisco
Catalyst switches
Outlines a holistic
approach to network
management and
Cisco Catalyst device
security with AAA,
NTP, 802.1x, and
SNMP Describes how
to use advanced
features to improve
campus network

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

Network Functions
Virtualization (NFV)
will drive dramatic

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Network
Services
Orchestrator
Foundation
NSO100

cost reductions while also accelerating service delivery.

Using NFV with SDN, network owners can provision new functions rapidly on demand, improve scalability, and leverage microservices.

Benefits like these will make NFV indispensable for

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service providers,
mobile operators,
telcos, and
enterprises alike.

Network Functions
Virtualization (NFV)
with a Touch of SDN
is the first practical
introduction to
NFV ' s fundamental
concepts, techniques,
and use cases.

Written for wide
audiences of network

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engineers, architects, planners, and operators, it assumes no previous knowledge of NFV architecture, deployment, or management. The authors first explain how virtualization, VMs, containers, and related technologies establish the foundation for the

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NEV transformation.

Next, they show how these concepts and technologies can be applied to virtualize network functions in the cloud, data centers, routing, security, and the mobile packet core.

You ' ll discover new tools and techniques for managing and orchestrating

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virtualized network devices, and gain new clarity on how SDN and NFV interact and interrelate. By the time you 're done, you 'll be ready to assess vendor claims, evaluate architectures, and plan NFV 's role in your own networks. Understand NFV 's key benefits and

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market drivers

Review how
virtualization makes
NFV possible

Consider key issues
associated with NFV
network design and
deployment Integrate
NFV into existing
network designs
Orchestrate, build,
and deploy NFV
networks and cloud
services Maximize

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operational efficiency
by building more
programmable,
automated networks
Understand how NFV
and SDN work
together Address
security,
programmability,
performance, and
service function
chaining Preview
evolving concepts
that will shape

Where To Download Cisco NFV 's future

Services
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Foundation
Ns0100

The complete guide
to provisioning and
managing cloud-
based Infrastructure
as a Service (IaaS)
data center solutions
Could computing will
revolutionize the way
IT resources are
deployed, configured,
and managed for
years to come. Service

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providers and customers each stand to realize tremendous value from this paradigm shift-if they can take advantage of it. Cloud Computing brings together the realistic, start-to-finish guidance they need to plan, implement, and manage cloud solution architectures

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for tomorrow's
virtualized data
centers. It introduces
cloud 'newcomers' to
essential concepts,
and offers
experienced
operations
professionals detailed
guidance on
delivering
Infrastructure as a
Service (IaaS),
Platform as a Service

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(PaaS), and Software
as a Service (SaaS).

This book's replicable
solutions and fully-
tested best practices
will help enterprises,
services providers,
consultants, and Cisco
partners meet the
challenge of
provisioning end-to-
end cloud
infrastructures.

Drawing on extensive

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Network working
with leading cloud
vendors and
integrators, the
authors present
detailed operations
workflow examples,
proven techniques for
operating cloud-based
network, compute,
and storage
infrastructure; a
comprehensive
management

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architecture; and a complete case study demonstrating rapid, lower-cost solutions design. Cloud Computing will be an indispensable resource for all network/IT professionals and managers involved with planning, implementing, or

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managing the next
generation of cloud
computing services.

- Review the key concepts needed to successfully deploy and cloud-based services
- Transition common enterprise design patterns and use cases to the cloud
- Master architectural principles and

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Infrastructure design
for 'real-time'
managed IT services

- Understand the Cisco approach to cloud-related technologies, systems, and services
- Develop a cloud management architecture using ITIL, TMF, and ITU-TMN standards
- Implement best

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practices for cloud
service provisioning,
activation, and
management

- Automate cloud infrastructure to simplify service delivery, monitoring and assurance
- Choose and implement the right billing/chargeback approaches for your business
- Design

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and build IaaS

services, from start to
finish • Manage the
unique capacity

challenges associated
with sporadic, real-
time demand

• Provide a
consistent and
optimal cloud user
experience This book

is part of the
Networking
Technology Series

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Network Press,
which offers
networking
professionals valuable
information for
constructing efficient
networks,
understanding new
technologies, and
building successful
careers.

Get to grips with the
most common as well

Where To Download Cisco

as complex Linux
networking
configurations, tools,
and services to
enhance your
professional skills
Key Features Learn
how to solve critical
networking problems
using real-world
examples Configure
common networking
services step by step
in an enterprise

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Network Discover
how to build
Services
Orchestrator
Foundation
attacks Book

Description As Linux
Ns0100
continues to gain
prominence, there
has been a rise in
network services
being deployed on
Linux for cost and
flexibility reasons. If

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You are a networking professional or an infrastructure engineer involved with networks, extensive knowledge of Linux networking is a must. This book will guide you in building a strong foundation of Linux networking concepts. The book begins by covering various

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major distributions, how to pick the right distro, and basic Linux network configurations. You'll then move on to Linux network diagnostics, setting up a Linux firewall, and using Linux as a host for network services. You'll discover a wide range of network services,

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why they're
important, and how to
configure them in an
enterprise

environment. Finally,
as you work with the
example builds in this
Linux book, you'll
learn to configure
various services to
defend against
common attacks. As
you advance to the
final chapters, you'll

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be well on your way towards building the underpinnings for an all-Linux datacenter.

By the end of this book, you'll be able to not only configure common Linux network services confidently, but also use tried-and-tested methodologies for future Linux installations. What

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you will learn Use

Linux as a
troubleshooting and
diagnostics platform

Explore Linux-based
network services

Configure a Linux
firewall and set it up
for network services

Deploy and configure
Domain Name System
(DNS) and Dynamic
Host Configuration
Protocol (DHCP)

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services securely
Configure Linux for
load balancing,
authentication, and
authorization services

Use Linux as a
logging platform for
network monitoring
Deploy and configure
Intrusion Prevention
Services (IPS) Set up
Honey-pot solutions to
detect and foil attacks
Who this book is for

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This book is for IT and Windows professionals and admins looking for guidance in managing Linux-based networks. Basic knowledge of networking is necessary to get started with this book.

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techniques and approaches for securing IoT systems of all kinds—current and emerging Internet of Things (IoT) technology adoption is accelerating, but IoT presents complex new security challenges.

Fortunately, IoT standards and

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standardized architectures are emerging to help technical professionals systematically harden their IoT environments. In *Orchestrating and Automating Security for the Internet of Things*, three Cisco experts show how to safeguard current and

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future IoT systems by delivering security through new NFV and SDN architectures and related IoT security standards.

The authors first review the current state of IoT networks and architectures, identifying key security risks associated with nonstandardized

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early deployments
and showing how
early adopters have
attempted to respond.
Next, they introduce
more mature
architectures built
around NFV and SDN.
You ' ll discover why
these lend themselves
well to IoT and IoT
security, and master
advanced approaches
for protecting them.

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Finally, the authors preview future approaches to improving IoT security and present real-world use case examples. This is an indispensable resource for all technical and security professionals, business security and risk managers, and consultants who are

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responsible for
systems that
incorporate or utilize
IoT devices, or expect
to be responsible for
them. · Understand
the challenges
involved in securing
current IoT networks
and architectures ·
Master IoT security
fundamentals,
standards, and
modern best practices

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· Systematically plan for IoT security · Leverage Software-Defined Networking (SDN) and Network Function Virtualization (NFV) to harden IoT networks · Deploy the advanced IoT platform, and use MANO to manage and orchestrate virtualized network

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functions ·

Implement platform
security services

including identity,
authentication,

authorization, and
accounting · Detect

threats and protect
data in IoT

environments ·

Secure IoT in the
context of remote
access and VPNs ·

Safeguard the IoT

Where To Download Cisco

platform itself .

Explore use cases
ranging from smart
cities and advanced
energy systems to the
connected car .

Preview evolving
concepts that will
shape the future of
IoT security

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