

How to Become a Data Center Technician: Cisco Nexus and Cisco UCS Overview

This How to Become a Data Center Technician: Cisco Nexus and Cisco UCS Overview training covers how to comfortably and confidently navigate and use the Cisco operating system Nexus as well as the Unified Computing System (UCS) at a basic level. This course prepares someone with no experience at all to work in a Cisco data center. Learn to navigate, use and configure the Nexus operating system and the server computer product line from Cisco, UCS.

[CBT Nuggets course material](#) →

WEEK 1

Describe Nexus Hardware and Software

151 min.

Introduction to Describe Nexus Hardware and Software	1
Nexus Overview	5
NX-OS Software	6
NX-OS Configuration	8
The Nexus Family	7
Nexus Fabric Extenders	7
Nexus and ACI	5
Summary Quiz	3

Identify Cisco Nexus Hardware

Overview	1
Introduction to Identify Cisco Nexus Hardware	1
Nexus 5000 Series Components	7
Nexus 2000 Series Components	7
Nexus 2000 Connectivity Options	6
Nexus 7000 Series Components	6
Nexus 7000 Models and Supervisors	5
Nexus 7000 Line Cards	7
Nexus 3000 Series Components	7
Nexus 9000 Series Components	6
Demystifying Nexus Product Numbers	5
Review and Quiz	3

Identify Cisco UCS and MDS Hardware

Overview	1
Introducing UCS and MDS Hardware	1
UCS Components	5

UCS Blade Server Chassis	7
UCS Fabric Interconnects	9
UCS Manager	5
UCS B-Series Blade Servers	7
UCS C-Series Rack Servers	5
UCS S-Series Servers	6

WEEK 2

153 min.

UCS E-Series Servers	7
UCS Network Cards	8
MDS Family of Switches	6
MDS 9700 Modules	6
Review and Quiz	5

Describe Cisco UCS and NX-OS Software Operation

Overview	1
Introduction to Describe Cisco UCS and NX-OS Software Operation	1
Cisco Integrated Management Controller (CIMC)	5
UCS Manager	6
Basic NX-OS Commands	6
Useful NX-OS Commands	5
NX-OS Command Modes	5
NX-OS Files and Directories	6
NX-OS Configuration Files	6
Review and Quiz	4

Perform NX-OS Service Tasks

Overview	1
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Introduction to Perform NX-OS Service Tasks	1
Installing a Nexus Switch	8
Nexus Initial Setup	7
Hardware Tools for Install or Repair	6
Cisco TAC and SMART Net	6
Restoration Verification	7
Review and Quiz	3

Perform UCS Service Tasks

Overview	1
Introduction to Perform UCS Service Tasks	1
Installing UCS Servers	6
UCS Initial Config	6
UCS BIOS Settings	4
UCS Infrastructure Firmware Upgrades	4
UCS Server Firmware Upgrades	5
Troubleshooting UCS	4
Review and Quiz	3

WEEK 3

1 min.