

How to Install and Deploy Server Hardware Components

This entry-level Installing and Managing Server Hardware Components training prepares learners to handle the installation and management of server hardware. Learn the hands-on steps to get servers up and running, ensuring stability and performance in data centers. This CompTIA training is perfect for onboarding new network administrators, or as a CompTIA reference resource.

[CBT Nuggets course material](#) →

WEEK 1

Understand the Point of Servers

151 min.

Introducing Server Foundations	2
Clients and Servers	9
Networking Servers	10
File Servers	6
Web Servers	6
How Modern Apps Work	11
App Servers	7
Database Servers	7
Summarizing Server Foundations	1

Identify and Maintain Server Hardware Racking and Cabling Solutions

Overview	1
Introducing the Physical Installation of Servers	1
Server Form Factors	12
Racks, Units, and Rails	11
Power Consumption and Electrical Concepts	9
Power Management Equipment	9
Network Cabling and Management	5
Copper (aka Twisted Pairs)	7
Fiber	12
SFPs (and More)	9
Summarizing the Physical Installation of Servers	1

Identify, Install, and Maintain Internal Server Hardware Components

Overview	1
Introducing Server GUTS!	1

Power Supplies	5
Storage Bays (and Form Factors)	6

WEEK 2

114 min.

RAM	6
CPUs	5
NICs	4
Fans	3
Remote Access Cards	10
RAID Controllers	4
Summarizing Hardware Internals of Servers	1

Evaluate and Deploy Server Storage Including RAID Configurations

Overview	1
Introducing Server Storage Operations	1
Drive Types	12
Local Storage	5
NAS	7
SAN	7
HyperConverged Infrastructure (HCI)	4
RAID Concepts	8
RAID 0 and RAID 1	14
RAID 5 and RAID 6	13
RAID 1+0 (aka RAID 10)	6
Summarizing Server Storage Concepts	1