

# Server Administrator Training: Fundamentals

This entry-level Server Administrator online training covers the basic tasks of a server administrator, and teaches network administrators how to install, configure and troubleshoot servers and their operating systems.

[CBT Nuggets course material](#) →

## WEEK 1

### Install Server Operating Systems

153 min.

Introducing Server OS Installation	1
Installation Options and Methods	11
Creating Bootable Media	14
Installation on a Physical Server	7
Prepping a Virtual Environment for OSs	9
PXE Installation	9
P2V	8
Summarizing OS Installation	1

### Configure Server Network Settings

Overview	1
Introducing Server Networking Configurations	2
Refreshing the OSI Model and TCP/IP	17
How DHCP Works	9
Deploy the DHCP Server	13
Configure Dynamic or Static IP Addresses on Windows	8
Configure Dynamic or Static IP Addresses on Linux	8
Consider Network Segmentation in the Enterprise	8
Summarizing Server Network Configurations	1

### Configure and Maintain Server Functions and Features

Overview	1
Introducing Server Roles and Features	1
The Domain Controller	22

## WEEK 2

156 min.

The Fileshare	8
The Web Server (IIS)	10
The Web Server (Apache)	6
The Print Server	8
Other Important Server Roles and Features	15
Summarizing Server Roles and Features	1

### Summarize the Purpose and Operation of Virtualization

Overview	1
Introducing Virtualization	1
What is Virtualization?	11
Explain a Hypervisor	13
Explore Virtualized Storage	7
Explore Virtual Networking	8
Create a Guest VM from Scratch in ESXI	8
Validate the Installation	6
Summarizing Virtualization	1

### Understand Cloud Computing

Overview	1
Introducing Cloud Computing	1
The Point of the Cloud	14
Cloud Deployment Options	10
Something-Something as a Service (XaaS)	11
The Main Public Clouds	13

## WEEK 3

160 min.

Deploying a Server (VM) in the Cloud	11
Summarizing Cloud Computing	2

### The Fundamentals of Working with Linux

Overview	1
Introducing Linux Basics	1
Linux Distributions	12
Navigating the CLI and File System	14
Using Text Editors	10
Working with Files	8
Installing Apps via Package Managers (and MORE!)	9
Summarizing Linux Fundamentals	1

### Summarize scripting basics for server administration

Overview	1
Introducing Scripting Basics	1
The Various Scripting Languages	13
Installing Scripting Languages	13
Hello, World	5
Variables	10
Data Types	11
Conditionals	6
Loops	7
Summarizing Scripting Basics	1

### Understand Server Licensing

Overview	1
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Introducing Server and Application Licensing	2
Microsoft Windows Server Licensing	17

## **WEEK 4**

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	<b>37 min.</b>
Virtualization Licensing	8
Volume Licensing	8
Cloud Licensing	7
Linux Licensing	6
Application Licensing	6
Summarizing Server Licensing	1