

# Fundamental Server Security Best Practices for Administrators

This entry-level Fundamental Server Security Best Practices for Administrators training prepares learners to do the simple tasks and operations that keep your servers secure as you perform your normal administrator job duties.

[CBT Nuggets course material](#) →

## WEEK 1

### Understand the Concepts of Securing Data on Servers 159 min.

Data Security Foundations	1
Who Needs Data Security?	17
Data at Rest vs Data In Motion	6
Encrypting Data In Motion	18
Encrypting Data at Rest	6
Retaining Data	6
Control Access to Data	5
Summarizing Data Security Concepts	1

### Understand Physical Server Security Measures

Overview	1
Introducing Physical Security Strategies	1
Controlling Access to the Property	11
Securing the Exterior of the Building	11
Physical Access to the Data Center	7
Cooling the Data Center	11
Suppressing Fire in the NOC	6
Backup and Data Security	6
Securing the Rack	5
Summarizing Physical Security Measures	1

### Understand Identity and Access Management

Overview	1
Introducing Identity Management	1
Local Accounts	12
Domain Accounts	9
Group Policy	14

## WEEK 2

151 min.

File and Folder Permissions	8
Cloud-based Accounts	10
Multi-Factor Authentication	9
Summarizing Identity Management	1

### Secure the Data Center Network

Overview	1
Introducing Network Security in the Data Center	2
Cleaning up the Mess!	12
Designing a Segmented Network	17
Protocols and Protocol Analyzers	14
Network Firewalls (and Other Security Appliances)	11
Controlling Access to the Network	6
Summarizing Network Security	1

### Harden a Server After Deployment

Overview	1
Introducing Server Hardening	1
Hardware Hardening	14
Hardening the Operating System	14
Hardening Applications	7
Firewalls and IDS/IPS	9
Updating the OS	10
Summarize Server Hardening Techniques	1

## WEEK 3

122 min.

### Understand Techniques for Decommissioning a Server

Overview	1
Introducing How to Decommission a Server	1
The Process to Decom a Server	9
Destroying Hard Drives	9
Physical Removal Considerations	15
Repurposing or Disposing of the Server	8
Review Quiz	12

### Explain the Importance of Backups, Restores, and Disaster Recovery

Overview	1
Introducing Backups, High Availability, and Disaster Recovery	1
The Kinds of Backups	14
Backup Media	19
Restoring Backups	6
High Availability Concepts	10
Disaster Recovery	12
Summarizing Backups, HA, and DR	1