



## CompTIA Server+

### کلامه :

In this course, students install, configure, upgrade, maintain, and troubleshoot servers, and learn information and skills that will be helpful on the job, and prepare for the CompTIA Server+ certification examination, 2005 objectives

مدت دوره: ۴۰ ساعت

پیش نیاز: گذراندن درس A+ و Network+

اهداف دوره: در انتهای این دوره دانشجویان قادر خواهند بود:

- explore server fundamentals.
- describe the characteristics of the system processing core subsystem.
- describe storage system components, so that you can effectively implement several types of storage solutions.
- explore the communication, power, and input/output subsystems. - install servers. - configure servers.
- maintain servers.
- upgrade server components.
- explore environmental issues surrounding servers.
- troubleshoot servers.
- explore disaster recovery concepts and techniques.

### سرفصل دوره:

#### Lesson 1: Introduction to Servers

Describe Network Models  
Identify Common Server Types and Functions

#### Lesson 2: Exploring the System Processing Core

Describe System Boards  
Describe Processors  
Describe Memory

#### Lesson 3: Exploring the Storage Subsystem

Exploring SCSI Devices  
Explore IDE/ATA Devices  
Describe RAID  
Explore NAS Implementations  
Explore SAN Implementations

#### Lesson 4: Exploring the Communication, Power, and Input/Output Subsystems

Explore the Communication Subsystem  
Explore the Power Subsystem  
Explore the Input/Output Subsystem

#### Lesson 5: Installing Servers

Plan for Server Installation  
Identify Data-Transmission Media Types  
Install Hardware Into a Server

Install Servers Into an Environment  
Verify the Server Installation

### **Lesson 6: Configuring Servers**

Configure RAID  
Network Operating System Installation  
Configure External Peripheral Devices  
Install System Monitoring Agents and Service Tools  
Document the Server

### **Lesson 7: Maintaining Servers**

Back Up Server Data  
Baseline Servers and Monitor Server Performance  
Perform Physical Housecleaning

### **Lesson 8: Upgrading Server Components**

Create and Use Upgrade Checklists  
Add and Replace Hardware  
Upgrade Server Software

### **Lesson 9: Exploring Environmental Issues Surrounding Servers**

Evaluate Physical Security  
Evaluate Server Room Environment

### **Lesson 10: Troubleshooting Servers**

Perform Problem Determination  
Use Diagnostic Tools  
Identify Bottlenecks

### **Lesson 11: Exploring Disaster Recovery Concepts and Techniques**

Fault-Tolerance and Availability  
Fault Recovery  
Implement Disaster Recovery Plans