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## CompTIA Mobility+

**Duration: 5 Days**    **Course Code: G012**

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### Overview:

CompTIA Server+ is an international, vendor-neutral certification for individuals with 18-24 months of experience with Industry Standard Server Architecture (ISSA) technology. CompTIA Server+ certifies technical knowledge in areas such as RAID, SCSI and multiple CPUs, as well as capabilities with server issues, including disaster recovery. Although not a prerequisite, it is recommended that CompTIA Server+ candidates hold a CompTIA A+ certification. The CompTIA Server+ certification bundle covers the body of knowledge required to prepare for the SK0-002 CompTIA Server+ 2005 certification exam.

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### Target Audience:

Service managers, technicians, systems engineers/administrators, help desk staff, service and repair professionals, system analysts and integrators, PC support specialists, network engineers/ administrators/ analysts/ architects/ managers/ specialists

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### Objectives:

- What You'll Learn
- Functions, features, and components of servers
- Critical server storage technologies and the functions and features of IDE and SCSI
- Best practices for installing and configuring servers
- Best practices for upgrading servers
- Server backup and disaster recovery best practices
- Best practices in maintaining servers and their environments
- Server-related troubleshooting best practices

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### Prerequisites:

- 18-24 months of hands-on experience in the server-technologies industry
- A+ certification prior to Server+ is recommended, but not required

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### Follow-on-Courses:

- There are no follow-ons for this course.

## Content:

### 1. Servers and Their Components - 222045\_ENG

- Characteristics of servers and features of the key server categories
- Various roles that can be assigned to network servers
- Server categories and server roles
- Features and functions of motherboards and expansion buses
- Features and functions of specified PCI system bus architectures
- Memory types and best practices for managing server memory
- Specifications of the main server processors and how multiprocessing works
- Memory types and processors for given scenarios

### 2. IDE, SCSI, and Server Storage - 223341\_ENG

- Features of Fibre Channel technology and difference between SAN and NAS
- Deploy RAID levels in a given scenario
- Appropriate server storage technologies in a given scenario
- Differentiate between physical and logical disks
- IDE technologies and configuration best practices
- SCSI types and the benefits of SCSI over IDE
- Best practices for installing and configuring SCSI technologies
- Add components using IDE and SCSI best practices

### 3. Installation and Configuration - 222046\_ENG

- Pre-installation planning activities
- Key considerations for evaluating remote management requirements
- Key considerations and best practices for installing server hardware
- Create server planning and hardware installation best practice checklists
- Considerations involved in installing and configuring a network operating system
- Best practices for installing service tools on the server and measuring baseline performance
- Create NOS and service tool installation best practice checklists

### 4. Upgrading - 222047\_ENG

- Critical steps and considerations involved in planning a server upgrade
- Best practices and troubleshooting procedures for adding memory and processors
- Best practices and troubleshooting procedures to be employed when upgrading hard disks, adapters, and peripherals
- Key considerations, best practices, and troubleshooting procedures for software upgrades
- Best practices and troubleshooting procedures that should be employed when upgrading servers

### 5. Disaster Recovery and Server Backups - 222048\_ENG

- Backup strategies and appropriate media types
- Best practices for framing backup plans, restoring data, and troubleshooting common backup problems
- Choose and implement backup strategies
- Risks for a disaster recovery plan and strategies to deal with them
- Components and considerations aimed at ensuring redundancy, scalability, and high availability
- Key considerations for creating and maintaining a disaster recovery plan
- Key considerations and best practices in creating a disaster recovery plan

### 6. Maintenance and Environment - 222049\_ENG

- Key considerations when monitoring servers
- How data can be gathered to monitor server performance
- Features and functions of SNMP and its relationship with RMON
- Best practices for maintaining a server
- Methods to mitigate common environmental issues that may affect server performance
- Measures and best practices for physically securing the server room and server hardware
- Manage environmental and physical security issues

### 7. Troubleshooting Servers - 222050\_ENG

- Troubleshooting process and how to prioritize problems
- Methods for gathering information to determine the origins of problems
- Best practices and resources for fixing and documenting server-related problems
- Best practices and procedures for troubleshooting problems in a given scenario
- Strategies for dealing with common server-related problems
- Best practices and guidelines for using documentation and log files to solve server-related problems
- Troubleshooting features of specified diagnostic tools
- Select diagnostic tools and techniques in a given scenario

## Further Information:

For More information, or to book your course, please Email us on:

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