

CompTIA A+



CompTIA A+ 220-1101 (Core 1)



Online Course

ZETLAN TECHNOLOGIES
www.zetlantech.com



Course Modules

1. Devices, Setups, and Installs

- Introduction to the Course, Meet the Instructor
- Appropriate Safety Procedures
- PC Components
- Guidelines for PC Disassembly
- Motherboards
- CPU Sockets
- PCI Bus
- Storage Bus (SATA and IDE)
- Discussing PC Components
- Common Connection Interfaces
- Wired and Wireless Connection Standards
- Install Peripheral Devices
- Guidelines and Discussion for Installing Peripheral Devices



2. Displays and Multimedia Technologies

- Displays and Multimedia
- Display Device Connections and Cables
- Discussing Display Device Installation and Configuration
- Troubleshoot Display Devices
- Guidelines for Troubleshooting Display Devices
- Discussing Display Device Troubleshooting
- Install and Configure Multimedia Devices
- Discussing Multimedia Device Installation and Configuration



3. Supporting Multiple Drive Types

- Supporting Multiple Drive Types and Memory
- Memory Types
- RAM Types
- Memory Modules
- DIMM and SO-DIMM Technologies
- Parity and ECC RAM
- Memory Compatibility Issues
- Discussing System Memory Installation
- Install and Configure Mass Storage Devices
- Storage Adapters and Cables
- Solid State Drives
- Guidelines for Installing Mass Storage Devices
- Discussing Mass Storage Device Installation and Config
- Install and Configure Removable Storage
- Discussing Removable Storage Device Installation and Config
- Configure RAID
- RAID Configuration Options
- Discussing RAID Configuration
- Troubleshoot Storage Devices
- Boot Failures
- Discussing Storage Device Troubleshooting



4. Accounting for CPUs and Internal Components

- Install Upgrade CPUs
- Multiprocessing and Multicore Processors
- Discussing CPU Upgrades
- Configure and Update BIOS UEFI
- Discussing BOIS-UEFI Configuration and Updates
- Install Power Supplies
- Discussing Power Supply Installation
- Troubleshoot Internal System Components
- POST and Boot Problems
- Boot Troubleshooting and Log Entries
- Motherboard Component Problems
- Discussing System Component Troubleshooting

Zetlan Technologies

CompTIA A+



5. All About Network Theories

- Wired Networks
- Common Ethernet Network Implementations
- Taps and Mirrors
- Discussing Wired Networks
- Network Hardware Devices
- Switches
- Power Over Ethernet
- Discussing Network Hardware Devices
- Wireless Networks
- Access Points and Wireless Network Modes
- Discussing Wireless Networks
- Internet Connection Types
- Wireless Internet Service Providers WISP
- Discussing Internet Connection Types
- Network Configuration Concepts
- The TCIP-IP Protocol Suite
- Internet Protocol and IP Addressing
- Public and Private IP Addresses
- IPv6
- Discussing Network Configuration Concepts
- Network Services
- DNS
- Dynamic and Static IP Configurations
- DNS Records MX and A
- Web Servers and HTTP-HTTPS

CompTIA A+



6. Network Operations and Diagnostics

- Configuring and Troubleshooting Networks
- Network Connections in Windows
- Install and Configure SOHO Networks
- Configure SOHO Network Security
- Firewalls
- Port Forwarding and Port Triggering
- Windows Firewall
- Network Security and Embedded Appliances
- Configure Remote Access
- Discussing Remote Access Configuration
- Troubleshoot Network Connections
- IP Configuration Issues

7. Cloud and Virtualization Computing

- Configure Client-Side Virtualization
- Hypervisors
- Processor Support and Resource Requirements
- Virtual Networks
- Client-Side Virtualization
- Cloud Computing Concepts
- Internal and External Shared Resources
- Cloud Service Options
- Virtual Desktops
- Software-Defined Networking (SDN)
- Discussing Cloud Computing Concepts

CompTIA **A+**



8. Laptop Features and Troubleshooting

- Use Laptop Features
- Expansion Options
- Discussing Laptop Features
- Install and Configure Laptop Hardware
- Discussing Laptop Hardware Installation and Configuration
- Troubleshoot Common Laptop Issues
- Discussing Troubleshooting Common laptop Issues

9. Syncing and Setup of Mobile Devices

- Syncing and Setup of Mobile Devices
- Connect and Configure Mobile Devices
- Configure Mobile Device Network Connectivity
- Mobile VPN Configuration
- Email Configuration Options
- Discussing Mobile Device Network Connectivity Configuration
- Support Mobile Apps
- Discussing Mobile App Support



10. All Things Printing

- All Things Printing
- Discussing Laser Printer Maintenance
- Maintain Inkjet Printers
- Discussing Inkjet Printer Maintenance
- Maintain Impact, Thermal, and 3D Printers
- Discussing Impact, Thermal, and 3D Printer Maintenance
- Install and Configure Printers
- Discussing Printer Installation and Configuration
- Troubleshoot Print Device Issues
- Install and Configure Imaging Devices
- Discussing Device Installation and Configuration

11. Resources and Testing

- Introduction to Resources and Testing
- Resources and Testing
- Joining a Domain with Windows 10
- Boot Order and BIOS
- Virtual Machine Install & Configure
- PC Teardown
- Exploring the Laptop
- Install Windows 10 Demonstration



CompTIA A+ 220-1102 (Core 2)

For Enquiry: +91 8680961847

1. Operating System Management

- Introduction to the Course, Meet the Instructor
- Identify Common Operating Systems
- Microsoft Windows
- Work and Education Features
- Windows System Limits
- Apple Operating Systems
- Linux Disk and File Management
- Discussing OS Types
- Use Windows Features and Tools
- Administrative Tools
- Manage Files in Windows
- System Hierarchies
- File Attributes
- Discussing Windows Features and Tools
- Manage Disks in Windows
- Discussing File Management in Windows
- The Windows Disk Management Console
- Discussing Windows Disk Management
- Manage Devices in Windows
- Device Manager
- Discussing Windows Device Manager

CompTIA A+

Free Advice: +91 9600579474

www.zetlantech.com

CompTIA A+ 220-1102 (Core 2)

For Enquiry: +91 8680961847

2. Configuring and installing the OS

- Configuring and Installing the OS
- Installation Boot Methods
- Disk Formatting and Partitioning
- Networking Considerations
- Post Installation Tasks
- OS Installation Types
- Unattended Installations
- Maintain Oss
- OS Updates
- Anti-Malware Updates
- Scheduled Backups
- Task Schedulers part 1
- Task Schedulers part 2
- Install Windows 10 Demonstration
- Discussing OS Maintenance

2. Resources and Testing

- Introduction to Resources and Testing
- Resources and Testing
- Joining a Domain with Windows 10
- Boot Order and BIOS
- Virtual Machine Install & Configure
- PC Teardown
- Exploring the Laptop
- Install Windows 10 Demonstration

CompTIA A+

Free Advice: +91 9600579474

www.zetlantech.com

5. Tools to Troubleshoot and Maintain the OS

- Install and Manage Windows Applications
- Windows OS Tools
- Application and Print Services
- Task Manager
- Manage Windows Performance
- Windows Performance Management Tools
- Troubleshoot Windows
- Event Viewer
- The System Configuration Utility
- Troubleshooting Tips Boot Process
- Troubleshooting Tips for Windows System Issues
- Blue Screens and Spontaneous Shutdowns
- Troubleshooting Tips for File and Memory Corruption
- Safe Boot
- System Repair Disc
- System Restore
- Guidelines for Troubleshooting Windows Issues



For Enquiry: +91 8680961847

6. Network Management Tools

- Network Management Tools
- Network Connectivity
- IP Addressing and Connection Types
- Proxy Settings
- Windows Client Configuration
- Location Services
- Firewalls
- Network Troubleshooting
- Remote Desktop Tools
- Desktop Management and Remote Monitoring Tools

7. Sharing Resources and Wrights Management

- Sharing Resources and Wrights Management
- User Group Accounts
- Local Security Policy
- SSO and Credential Manager
- Workgroups and Homegroups
- Network and Sharing Centre
- Network Share Configuration
- NTSF File and Folder Permissions
- Configure Active Directory Accounts and Policies
- Domain Membership and Group Policy Objects
- Basic AD Functions
- Account Locks and Password Resets

Zetlan Technologies
CompTIA **A+**

8. Threats and Security Measures

- Threats and Security Measures
- Logical Security Concepts
- Encryption
- PKI and Certificates
- Execution Control
- NAC
- Discussing Logical Security Concepts
- Threats and Vulnerabilities
- Types of Password Attacks
- Discussing Threats and Vulnerabilities
- Physical Security Controls
- Discussing Physical Security Measures



9. Policies to Protect Data

- Policies to Protect Data
- Implement Security Best Practices
- Guidelines for Implementing Security Best Practices
- Discussing Security Best Practices Implementation
- Implement Data Protection Policies
- ACLs and Directory Permissions
- Full Disk Encryption
- Guidelines for Implementing Data Protection Policies
- Discussing Data Protection Policies
- Protect Data During Incident Response
- Discussing Data Protection During Incident Response

CompTIA A+ 220-1102 (Core 2)

For Enquiry: +91 8680961847

8. Prevent Malware and Security Threats

- Prevent Malware and Security Threats
- Detect, Remove, and Prevent Malware
- Trojan Horses and Spyware
- Sources of Malware Infection
- Best Practices for Malware Removal
- Detecting, Removing, and Preventing Malware Infections
- Troubleshoot Common Workstation Security Issues
- Discussing Troubleshoot Common Workstation Security Issues



9. Supporting and Troubleshooting Mobile Devices

- Supporting and Troubleshooting Mobile Devices
- Secure Mobile Devices
- IOT Internet of Things
- Discussing Mobile Device Security
- Troubleshoot Mobile Device Issues
- Mobile Device Security Troubleshooting
- Discussing Troubleshooting Mobile Devices

Free Advice: +91 9600579474

www.zetlantech.com

CompTIA A+ 220-1102 (Core 2)

For Enquiry: +91 8680961847

10. Implementing Operational Procedures

- Implementing Operational Procedures
- Environmental Impacts and Controls
- Discussing Environmental Impact and Controls
- Create and Maintain Documentation
- Discussing Documentation Creation and Maintenance
- Use Basic Change Management Best Practices
- Discussing Change Management Best Practices
- Implement Disaster Prevention and Recovery Methods
- Implement Disaster Prevention and Recovery Methods
- Basic Scripting Concepts
- Discussing Scripting
- Professionalism and Communication Discussing ,Skills



Free Advice: +91 9600579474

www.zetlantech.com



**LEARN
REMOTELY!!**

The efficiency of online learning
in terms of time management,
flexibility, and the ability
to access resources anytime,
anywhere can be compelling.



ZETLAN TECHNOLOGIES
www.zetlantech.com

**For contact: +91 8680961847
+91 9600579474**

