

INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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CompTIA A+ Certification

Introduction to IT Fundamentals

- Overview of IT concepts and terminology
- Role of IT professionals in organizations
- Basics of computer hardware and software

Hardware Fundamentals

- Understanding PC components (CPU, RAM, motherboard, etc.)
- Storage devices (HDDs, SSDs, optical drives)
- Peripheral devices (printers, monitors, keyboards, mice)

Networking Fundamentals

- Introduction to networking concepts
- Types of networks (LAN, WAN, WLAN)
- Network devices (routers, switches, access points)

Mobile Devices

- Mobile operating systems (iOS, Android)
- Configuration and management of mobile devices
- Troubleshooting mobile device issues

Operating Systems

- Overview of operating systems (Windows, macOS, Linux)
- Installation and configuration of operating systems
- Command-line tools and utilities

Security Fundamentals

- Common security threats and vulnerabilities
- Best practices for securing devices and networks
- Implementing security protocols (firewalls, antivirus software)

Software Troubleshooting

- Troubleshooting common software issues
- Application installation and compatibility
- Performance optimization and cleanup

Operational Procedures

- Documentation and procedures in IT support
- Change management and disaster recovery
- Customer service and communication skills

Hardware and Network Troubleshooting

- Troubleshooting hardware problems (power issues, overheating, etc.)
- Network troubleshooting methodologies
- Troubleshooting wireless networks

Virtualization and Cloud Computing

- Understanding virtualization concepts
- Cloud computing fundamentals (IaaS, PaaS, SaaS)
- Implementing virtual machines and cloud services

Professionalism and Ethics

- Ethical behavior and legal considerations in IT
- Privacy and data protection principles
- IT career paths and professional development

Exam Preparation and Practice

- Overview of CompTIA A+ certification exams (220-1001 and 220-1002)
- Practice exams and test-taking strategies
- Review of exam objectives and domains

Additional Resources