INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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CompTIA Security plus

Safety and Professionalism

- Tools of the Trade
- Troubleshooting Theory

The Visible Computer

- Mike takes you on a tour of the primary PC components including the computer case, monitor, and various peripherals including the keyboard, mouse, speakers, and more.
- Primary PC Connections
- In this episode, Mike reviews the major external connections including USB, network, power, video, and audio.
- External Connections
- Inside the PC
- What is a Computer?

CPUs

- What is a CPU?
- CPU Speeds and Cores
- Caching
- CPU Sockets
- Installing a CPU
- Liquid Cooling

RAM

- RAM Technology
- RAM Capacity

- RAM Features
- Installing RAM

Firmware

- What is the BIOS?
- POST
- System Setup
- Troubleshooting Firmware

Motherboards

- Form Factors
- Chipsets
- Touring the Motherboard
- Touring the Case
- Installing a Motherboard

Power Supplies

- The Power Supply
- Mounting a Power Supply
- Choosing a Power Supply
- Cooling Your PC
- Troubleshooting Power Supplies
- Troubleshooting Core Components

Mass Storage Technologies

- Introduction to Mass Storage
- Magnetic Disk Drives
- Solid State Drives
- SCSI
- Boot Order

Implementing Mass Storage

- New Installation - First Drive
- RAID
- Hardware RAID
- Mass Storage Troubleshooting

Essential Peripherals

- Optical Media
- USB Standards
- Understanding USB
- Configuring USB
- Thunder and Lightning
- Keyboards and Mice
- Sight and Sound
- Readers and Scanners
- Using Expansion Cards

Building a PC

- The Right PC for the Job

Display Technologies

- Monitor Technologies
- LCD Breakdown
- Graphics Cards and Connections
- Installing a Graphics Card
- Projectors
- Troubleshooting Monitors

Essentials of Networking

- Introduction to Networking
- Hubs vs. Switches
- Hexadecimal
- WANs and Routers
- Cables and Connectors
- Crimping Cables
- Structured Cabling

Local Area Networking

- Introduction to TCP/IP
- Network IDs and Subnet Masks
- Special IP Addresses
- NAT
- Dynamic IP Addressing
- IPv6

- Port Numbers
- TCP, UDP, and ICMP
- Understanding DNS
- Working with DNS
- Windows Naming
- Routers
- Basic Router Configuration
- Advanced Router Configuration
- VLANs Network Troubleshooting

Wireless Networking

- Wireless Network Hardware
- Wi-Fi Standards
- Basic WAP Setup
- Connecting to a Wi-Fi Network
- It's a Huge Mesh
- Beyond Wi-Fi

The Internet

- Beyond the LAN
- Internet Tiers
- Dial-up Connections
- Broadband Connections
- Firewalls and Servers
- FTP
- E-Mail
- Proxy Servers
- Virtual Private Networks (VPNs)
- Internet of Things (IoT)

Virtualization

- Understanding Virtualization
- Your First Virtual Machine
- Advanced Virtualization Setup
- Cloud Computing
- Cloud Ownership

- Cloud-Based Applications

Portable Computing

- Laptop Features
- Laptop Hardware Troubleshooting - The Tools
- Laptop Hardware - Core Hardware
- Laptop Hardware - CPU and Motherboard
- Touring Your Laptop Display

Understanding Mobile Devices

- What is a Mobile Device?
- Mobile Connections
- Touring Android
- Touring iOS
- Virtual Reality

Care and Feeding of Mobile Devices

- Maintaining Mobile Devices
- Mobile Devices and E-mail
- Mobile Synchronization

Printers and Multifunction Devices

- Laser Printers
- Inkjet Printers
- Impact Printers
- Thermal Printers
- Installing a Local Printer
- Sharing Printers
- Installing Wireless and Cloud Printers
- Troubleshooting Printers
- 3D Printing

Securing Computers

- Dealing with Threats