

Device Configuration and Management Course

Distance Learning



G-CITI CAMPUS

Changing Lives Through Technology



What is Device configuration & management?

Generally, a configuration is the arrangement - or the process of making the arrangement - of the parts that make up a whole.

In computers and computer networks, a configuration often refers to the specific hardware and software details in terms of devices attached, capacity or capability, and exactly what the system is made up of.

In installing hardware and software, configuration is sometimes the methodical process of defining options that are provided

Why study Device configuration & management?

The Information Technology Specialist (ITS) Device Configuration and Management course provides you with the world's leading IT certification which is recognized by industries globally as the professional standard for IT Device Configuration and Management competency. It will give you foundational knowledge of IT devices and how it must be configured. All technical devices must be configured within a company to become part of the computer network or cloud infrastructure. Studying Device Configuration and Management will enable you to demonstrate foundational skills in troubleshooting and repairing devices within a Windows Environment.

Why study ITS Device configuration & Management at G-CITI Campus?

G-CITI Campus is a South African Accredited and Global / International IT College, that offers both qualifications and certifications in IT Training. With over 10 000 students completing a wide variety of Global / International Certifications, G-CITI Campus has become the leading IT College to obtain credentials in preparation for the 4th Industrial Revolution and the Digital Economy. Our innovative approach to learning and skills development will help students go beyond what they have signed up for! Providing a holistic approach to learning and Job Readiness, we ensure a quality level of the services we offer. With its course offerings, G-CITI Campus offers a range of partners, such as CompTIA, Microsoft, Adobe, ITS, Cert Nexus and Cisco, G-CITI Campus offers both online learning subscriptions, exam vouchers and simulation labs to enable students to learn online, conduct digital assessments and conduct vendor certifications online.

This ITS (Information Technology Specialist) Device Configuration and Management course will enhance your technical skills by understanding how to configure windows devices. You will focus on Windows Installation and Configuration, Application and Peripheral Management, Data Access and Management, Device Security and Troubleshooting.

IT SPECIALIST EXAM OBJECTIVES

Boosting your technical skills by understanding the world of Device Configuration & Management and how it applies to your business and job role, or the career of your dreams, is one of the many reasons to upskill yourself in this field. Course objectives address the sought-after knowledge and skills needed in the Device Configuration and Management sector. These new skills will enable you to apply problem solving directly to real-world scenarios and will enhance your employability.

Studying ITS (Information Technology Specialist) Device Configuration with G-CITI Campus through Distance Learning, will enable you to demonstrate foundational skills in, and a basic knowledge of, Windows devices and mobility and developing the investigative and implementation skills necessary to succeed in the field and have an aptitude and desire to learn more.

Also, we have a range of ITS Certificates where Device Configuration and Management is part of a family of certifications. See more certifications on our website: www.gciticampus.academy under Distance Learning page

Potential Career Opportunities in Device Configuration & Management

- IT Technician
- IT Support Help Desk
- IT Administrator

Use the banking Details below for any payment

COST OF THE COURSE

WAS R 4 990.00 | NOW R 2 950.00

Deposit: R 2000.00

Balance: R 950.00 *(To be paid before undertaking final exam)*

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What is included in the course fees

Please, be aware that all course materials are only offered online. In other words, you will not be receiving any hard copies of the textbook, and you will need to access all the required content through your online classroom, where you'll be able to find the following course content:

- A digital textbook (PDF) focused on all the content you'll need to pass the exam successfully
- Videos and Learning material to ensure you are covered to understand practical concepts
- Practice files OR quizzes to accompany the step-by-step exercises in your textbook
- A PDF summary of everything you've covered in the textbook
- A study guide and exercise files to help you with your exam prep
- A set of mock exams to be covered before undertaking global exams.

This Course Fee includes your Certiport exam voucher.



Device Configuration and Management

1. Windows Installation and Configuration

1.1 Install Windows using the default settings

- Time zone options, Microsoft account vs. local account, upgrade vs. custom install

1.2 Configure user account options

- User account (cloud or local), local user and administrative account types

1.3 Configure desktop settings

- Start menu, display settings, application shortcuts, time zone settings, Taskbar settings, power settings, window management (minimize, close, snap)

1.4 Manage accessibility settings

- Display settings, mouse settings, color filters, high-contrast settings, audio settings, closed captions, speech recognition, Magnifier, Narrator, Sticky Keys, on-screen keyboard

1.5 Manage updates

- Windows Update settings, software updates and patches, optional updates, device driver updates, update history

2. Application and Peripheral Management

2.1 Manage applications and Windows features

- Identify user account requirements and permissions for application installation, modify application installations, remove desktop applications, locate and identify optional Windows features, describe the purpose of the Microsoft Store

2.2 Compare and contrast capabilities of peripheral connection types

- HDMI, DisplayPort, VGA, mini-HDMI, USB, USB-C, converting between connection types

3. Data Access and Management

3.1 Describe cloud services

- Cloud storage and collaboration concepts, common cloud storage providers, file sharing capabilities and permissions, capabilities of local and hosted virtual machines, offline file synchronization

3.2 Describe and configure file sharing and permissions

- File and share permissions; effective permissions; basic and advanced permissions; public, basic, and advanced shares; map drives; identify the effect on permissions of copying or moving data between file systems; describe taking ownership of files or folders

3.3 Manage backup and restore

IT SPECIALIST EXAM OBJECTIVES

- Describe backup types, perform full backup and restore operations, restore previous versions

3.4 Describe data access and retention policies

- Memorandums of understanding, Acceptable Use Policies (AUPs), ownership of and access to data and history, use of remote wipe

4. Device Security

4.1 Describe network firewall settings

- Why and how to disable or enable Windows Defender Firewall, compare and contrast private, public, and guest networks

4.2 Describe user authentication

- Multifactor authentication, smart cards, biometric authentication methods, and secure password requirements for BYOD mobile devices and corporate-managed devices

4.3 Given an attack type, describe mitigation methods

- Methods of mitigating attacks (computer viruses, worms, Trojan horses, spyware, adware, ransomware, phishing, keyloggers, social engineering attacks, and physical attacks), antivirus and antimalware program configuration options, analyze antivirus and antimalware program results, social engineering training

4.4 Manage User Account Control (UAC) settings

- Describe the function of UAC, identify appropriate UAC settings for specific purposes, elevate permissions in UAC

4.5 Manage mobile device security

- Mobile Device Management (MDM), methods of securing mobile devices, installing agents on devices, connect mobile devices to corporate networks, limitations on transporting corporate devices

5. Troubleshooting

5.1 Perform troubleshooting tasks

- Locate and identify Windows troubleshooting tools, gather data to describe issues and support troubleshooting, research how to remedy issues, identify when to escalate issues, update group policies in a Windows domain (gpupdate /force, gpresult), differentiate between local and group security policies and precedence, recognize that a policy has been applied or could cause a problem

5.2 Troubleshoot operating system and application issues

- Reset or roll back the operating system, advanced startup, file and setting retention options, features of safe mode, use troubleshooting tools to identify application compatibility issues, resolve Store app installation issues, reinstall or repair desktop applications

5.3 Troubleshoot device issues

- Hardware troubleshooting methods (connections, ports, power), update or roll back drivers, uninstall or reinstall a device to reconfigure drivers, describe the purpose and capabilities of Device Manager

5.4 Troubleshoot device connections to networks and domains



IT SPECIALIST EXAM OBJECTIVES

- Wired and wireless connections (physical cable, signal, AIPPA), joining devices to domains

5.5 Troubleshoot peripheral device connections

- Keyboard, mouse, display, headset, microphone, camera, local and network storage devices, printers, scanners, drivers, connection cables

