



COMPTIA FC0-U61

CompTIA IT Fundamentals+ Certification Questions & Answers

Exam Summary – Syllabus – Questions

FC0-U61

[CompTIA IT Fundamentals+](#)

75 Questions Exam - 650/900 Cut Score - Duration of 60 minutes

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Know Your FC0-U61 Certification Well:

The FC0-U61 is best suitable for candidates who want to gain knowledge in the CompTIA Core. Before you start your FC0-U61 preparation you may struggle to get all the crucial IT Fundamentals+ materials like FC0-U61 syllabus, sample questions, study guide.

But don't worry the FC0-U61 PDF is here to help you prepare in a stress free manner.

The PDF is a combination of all your queries like-

- What is in the FC0-U61 syllabus?
- How many questions are there in the FC0-U61 exam?
- Which Practice test would help me to pass the FC0-U61 exam at the first attempt?

Passing the FC0-U61 exam makes you CompTIA IT Fundamentals+. Having the IT Fundamentals+ certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

CompTIA FC0-U61 IT Fundamentals+ Certification Details:

Exam Name	CompTIA IT Fundamentals+
Exam Code	FC0-U61
Exam Price	\$126 (USD)
Duration	60 mins
Number of Questions	75
Passing Score	650 / 900
Schedule Exam	Pearson VUE
Sample Questions	CompTIA IT Fundamentals+ Sample Questions
Practice Exam	CompTIA FC0-U61 Certification Practice Exam

FC0-U61 Syllabus:

Topic	Details
IT Concepts and Terminology - 17%	
Compare and contrast notational systems.	<ol style="list-style-type: none"> 1. Binary 2. Hexadecimal 3. Decimal 4. Data representation <ol style="list-style-type: none"> 1. ASCII 2. Unicode
Compare and contrast fundamental data types and their characteristics.	<ol style="list-style-type: none"> 1. Char 2. Strings 3. Numbers <ol style="list-style-type: none"> 1. Integers 2. Floats 4. Boolean
Illustrate the basics of computing and processing.	<ol style="list-style-type: none"> 1. Input 2. Processing 3. Output 4. Storage
Explain the value of data and information.	<ol style="list-style-type: none"> 1. Data and information as assets 2. Importance of investing in security 3. Relationship of data to creating information 4. Intellectual property <ol style="list-style-type: none"> 1. Trademarks 2. Copyright 3. Patents 5. Digital products 6. Data-driven business decisions <ol style="list-style-type: none"> 1. Data capture and collection 2. Data correlation 3. Meaningful reporting
Compare and contrast common units of measure.	<ol style="list-style-type: none"> 1. Storage unit

Topic	Details
	<ol style="list-style-type: none"> 1. Bit 2. Byte 3. KB 4. MB 5. GB 6. TB 7. PB <p>2. Throughput unit</p> <ol style="list-style-type: none"> 1. bps 2. Kbps 3. Mbps 4. Gbps 5. Tbps <p>3. Processing speed</p> <ol style="list-style-type: none"> 1. MHz 2. GHz
<p>Explain the troubleshooting methodology.</p>	<ol style="list-style-type: none"> 1. Identify the problem <ol style="list-style-type: none"> 1. Gather information 2. Duplicate the problem, if possible 3. Question users 4. Identify symptoms 5. Determine if anything has changed 6. Approach multiple problems individually 2. Establish a theory of probable cause <ol style="list-style-type: none"> 1. Question the obvious 2. Consider multiple approaches 3. Divide and conquer 3. Test the theory to determine the cause <ol style="list-style-type: none"> 1. Once the theory is confirmed (confirmed root cause), determine the next steps to resolve the problem 2. If the theory is not confirmed, establish a new theory or escalate

Topic	Details
	<ol style="list-style-type: none"> 4. Establish a plan of action to resolve the problem and identify potential effects 5. Implement the solution or escalate as necessary 6. Verify full system functionality and, if applicable, implement preventive measures 7. Document findings/lessons learned, actions, and outcomes
<p>Infrastructure - 22%</p>	
<p>Classify common types of input/output device interfaces.</p>	<ol style="list-style-type: none"> 1. Networking <ol style="list-style-type: none"> 1. Wired Telephone connector (RJ-11) Ethernet connector (RJ-45) 2. Wireless Bluetooth NFC 2. Peripheral device <ol style="list-style-type: none"> 1. USB 2. FireWire 3. Thunderbolt 4. Bluetooth 5. RF 3. Graphic device <ol style="list-style-type: none"> 1. VGA 2. HDMI 3. DVI 4. DisplayPort 5. Mini DisplayPort
<p>Given a scenario, set up and install common peripheral devices to a laptop/PC.</p>	<ol style="list-style-type: none"> 1. Devices <ol style="list-style-type: none"> 1. Printer 2. Scanner 3. Keyboard 4. Mouse 5. Camera 6. External hard drive 7. Speakers 8. Display

Topic	Details
	<p>2. Installation types</p> <ol style="list-style-type: none"> 1. Plug-and-play vs. driver installation 2. Other required steps 3. IP-based peripherals 4. Web-based configuration steps
<p>Explain the purpose of common internal computing components.</p>	<ol style="list-style-type: none"> 1. Motherboard/system board 2. Firmware/BIOS 3. RAM 4. CPU <ol style="list-style-type: none"> 1. ARM Mobile phone Tablet 2. 32-bit Laptop Workstation Server 3. 64-bit Laptop Workstation Server 5. Storage <ol style="list-style-type: none"> 1. Hard drive 2. SSD 6. GPU 7. Cooling 8. NIC <ol style="list-style-type: none"> 1. Wired vs. wireless 2. On-board vs. add-on card
<p>Compare and contrast common Internet service types.</p>	<ol style="list-style-type: none"> 1. Fiber optic 2. Cable 3. DSL 4. Wireless <ol style="list-style-type: none"> 1. Radio frequency 2. Satellite 3. Cellular

Topic	Details
<p>Compare and contrast storage types.</p>	<ol style="list-style-type: none"> 1. Volatile vs. non-volatile 2. Local storage types <ol style="list-style-type: none"> 1. RAM 2. Hard drive Solid state vs. spinning disk 3. Optical 4. Flash drive 3. Local network storage types <ol style="list-style-type: none"> 1. NAS 2. File server 4. Cloud storage service
<p>Compare and contrast common computing devices and their purposes.</p>	<ol style="list-style-type: none"> 1. Mobile phones 2. Tablets 3. Laptops 4. Workstations 5. Servers 6. Gaming consoles 7. IoT <ol style="list-style-type: none"> 1. Home appliances 2. Home automation devices Thermostats Security systems 3. Modern cars 4. IP cameras 5. Streaming media devices 6. Medical devices
<p>Explain basic networking concepts.</p>	<ol style="list-style-type: none"> 1. Basics of network communication <ol style="list-style-type: none"> 1. Basics of packet transmission 2. DNS URL-to-IP translation 3. LAN vs. WAN 2. Device addresses <ol style="list-style-type: none"> 1. IP address 2. MAC address

Topic	Details
	<p>3. Basic protocols</p> <ol style="list-style-type: none"> 1. HTTP/S 2. POP3 3. IMAP 4. SMTP <p>4. Devices</p> <ol style="list-style-type: none"> 1. Modem 2. Router 3. Switch 4. Access point 5. Firewall
<p>Given a scenario, install, configure and secure a basic wireless network.</p>	<ol style="list-style-type: none"> 1. 802.11a/b/g/n/ac <ol style="list-style-type: none"> 1. Older vs. newer standards 2. Speed limitations 3. Interference and attenuation factors 2. Best practices <ol style="list-style-type: none"> 1. Change SSID 2. Change default password 3. Encrypted vs. unencrypted <ul style="list-style-type: none"> Open - Captive portal WEP WPA WPA2
<p>Applications and Software - 18%</p>	
<p>Explain the purpose of operating systems.</p>	<ol style="list-style-type: none"> 1. Interface between applications and hardware 2. Disk management 3. Process management/scheduling <ol style="list-style-type: none"> 1. Kill process/end task 4. Application management 5. Memory management 6. Device management 7. Access control/protection 8. Types of OS

Topic	Details
	<ol style="list-style-type: none"> 1. Mobile device OS 2. Workstation OS 3. Server OS 4. Embedded OS Firmware 5. Hypervisor (Type 1)
<p>Compare and contrast components of an operating system.</p>	<ol style="list-style-type: none"> 1. File systems and features <ol style="list-style-type: none"> 1. File systems NTFS FAT32 HFS Ext4 2. Features <ol style="list-style-type: none"> 1. Compression 2. Encryption 3. Permissions 4. Journaling 5. Limitations 6. Naming rules 3. File management <ol style="list-style-type: none"> 1. Folders/directories 2. File types and extensions 3. Permissions 4. Services 5. Processes 6. Drivers 7. Utilities <ol style="list-style-type: none"> 1. Task scheduling 8. Interfaces <ol style="list-style-type: none"> 1. Console/command line 2. GUI
<p>Explain the purpose and proper use of software.</p>	<ol style="list-style-type: none"> 1. Productivity software <ol style="list-style-type: none"> 1. Word processing software 2. Spreadsheet software

Topic	Details
	<ul style="list-style-type: none"> 3. Presentation software 4. Web browser 5. Visual diagramming software <p>2. Collaboration software</p> <ul style="list-style-type: none"> 1. Email client 2. Conferencing software 3. Instant messaging software 4. Online workspace 5. Document sharing <p>3. Business software</p> <ul style="list-style-type: none"> 1. Database software 2. Project management software 3. Business-specific applications 4. Accounting software
<p>Explain methods of application architecture and delivery models.</p>	<p>1. Application delivery methods</p> <ul style="list-style-type: none"> 1. Locally installed Network not required Application exists locally Files saved locally 2. Local network hosted Network required Internet access not required 3. Cloud hosted Internet access required Service required Files saved in the cloud <p>2. Application architecture models</p> <ul style="list-style-type: none"> 1. One tier 2. Two tier 3. Three tier 4. n-tier
<p>Given a scenario, configure and use web browsers.</p>	<ul style="list-style-type: none"> 1. Caching/clearing cache 2. Deactivate client-side scripting 3. Browser add-ons/extensions <ul style="list-style-type: none"> 1. Add 2. Remove

Topic	Details
	<ul style="list-style-type: none"> 3. Enable/disable 4. Private browsing 5. Proxy settings 6. Certificates <ul style="list-style-type: none"> 1. Valid 2. Invalid 7. Popup blockers 8. Script blockers 9. Compatible browser for application(s)
<p>Compare and contrast general application concepts and uses.</p>	<ul style="list-style-type: none"> 1. Single-platform software 2. Cross-platform software <ul style="list-style-type: none"> 1. Compatibility concerns 3. Licensing <ul style="list-style-type: none"> 1. Single use 2. Group use/site license 3. Concurrent license 4. Open source vs. proprietary 5. Subscription vs. one-time purchase 6. Product keys and serial numbers 4. Software installation best practices <ul style="list-style-type: none"> 1. Reading instructions 2. Reading agreements 3. Advanced options
<p>Software Development Concepts - 12%</p>	
<p>Compare and contrast programming language categories.</p>	<ul style="list-style-type: none"> 1. Interpreted <ul style="list-style-type: none"> 1. Scripting languages 2. Scripted languages 3. Markup languages 2. Compiled programming languages 3. Query languages 4. Assembly language

Topic	Details
<p>Given a scenario, use programming organizational techniques and interpret logic.</p>	<ol style="list-style-type: none"> 1. Organizational techniques <ol style="list-style-type: none"> 1. Pseudocode concepts 2. Flow-chart concepts Sequence 2. Logic components <ol style="list-style-type: none"> 1. Branching 2. Looping
<p>Explain the purpose and use of programming concepts.</p>	<ol style="list-style-type: none"> 1. Identifiers <ol style="list-style-type: none"> 1. Variables 2. Constants 2. Containers <ol style="list-style-type: none"> 1. Arrays 2. Vectors 3. Functions 4. Objects <ol style="list-style-type: none"> 1. Properties 2. Attributes 3. Methods
<p>Database Fundamentals - 11%</p>	
<p>Explain database concepts and the purpose of a database.</p>	<ol style="list-style-type: none"> 1. Usage of database <ol style="list-style-type: none"> 1. Create 2. Import/input 3. Query 4. Reports 2. Flat file vs. database <ol style="list-style-type: none"> 1. Multiple concurrent users 2. Scalability 3. Speed 4. Variety of data

Topic	Details
	<ul style="list-style-type: none"> 3. Records 4. Storage <ul style="list-style-type: none"> 1. Data persistence
<p>Compare and contrast various database structures.</p>	<ul style="list-style-type: none"> 1. Structured vs. semi-structured vs. non-structured 2. Relational databases <ul style="list-style-type: none"> 1. Schema 2. Tables <ul style="list-style-type: none"> Rows/records 3. Fields/columns <ul style="list-style-type: none"> Primary key Foreign key 4. Constraints 3. Non-relational databases <ul style="list-style-type: none"> 1. Key/value databases 2. Document databases
<p>Summarize methods used to interface with databases.</p>	<ul style="list-style-type: none"> 1. Relational methods <ul style="list-style-type: none"> 1. Data manipulation <ul style="list-style-type: none"> Select Insert Delete Update 2. Data definition <ul style="list-style-type: none"> Create Alter Drop Permissions 2. Database access methods <ul style="list-style-type: none"> 1. Direct/manual access 2. Programmatic access 3. User interface/utility access 4. Query/report builders 3. Export/import <ul style="list-style-type: none"> 1. Database dump 2. Backup

Topic	Details
<p>Security - 20%</p>	
<p>Summarize confidentiality, integrity and availability concerns.</p>	<ol style="list-style-type: none"> 1. Confidentiality concerns <ol style="list-style-type: none"> 1. Snooping 2. Eavesdropping 3. Wiretapping 4. Social engineering 5. Dumpster diving 2. Integrity concerns <ol style="list-style-type: none"> 1. Man-in-the-middle 2. Replay attack 3. Impersonation 4. Unauthorized information alteration 3. Availability concerns <ol style="list-style-type: none"> 1. Denial of service 2. Power outage 3. Hardware failure 4. Destruction 5. Service outage
<p>Explain methods to secure devices and best practices.</p>	<ol style="list-style-type: none"> 1. Securing devices (mobile/workstation) <ol style="list-style-type: none"> 1. Antivirus/Anti-malware 2. Host firewall 3. Changing default passwords 4. Enabling passwords 5. Safe browsing practices 6. Patching/updates 2. Device use best practices <ol style="list-style-type: none"> 1. Software sources <ul style="list-style-type: none"> Validating legitimate sources Researching legitimate sources OEM websites vs. third-party websites 2. Removal of unwanted software 3. Removal of unnecessary software 4. Removal of malicious software

Topic	Details
<p>Summarize behavioral security concepts.</p>	<ol style="list-style-type: none"> 1. Expectations of privacy when using: <ol style="list-style-type: none"> 1. The Internet <ul style="list-style-type: none"> Social networking sites Email File sharing Instant messaging 2. Mobile applications 3. Desktop software 4. Business software 5. Corporate network 2. Written policies and procedures 3. Handling of confidential information <ol style="list-style-type: none"> 1. Passwords 2. Personal information 3. Customer information 4. Company confidential information
<p>Compare and contrast authentication, authorization, accounting and non-repudiation concepts.</p>	<ol style="list-style-type: none"> 1. Authentication <ol style="list-style-type: none"> 1. Single factor 2. Multifactor 3. Examples of factors <ul style="list-style-type: none"> Password PIN One-time password Software token Hardware token Biometrics Specific location Security questions 4. Single sign-on 2. Authorization <ol style="list-style-type: none"> 1. Permissions 2. Least privilege model 3. Role-based access <ul style="list-style-type: none"> User account types 4. Rule-based access 5. Mandatory access controls 6. Discretionary access controls 3. Accounting

Topic	Details
	<ol style="list-style-type: none"> 1. Logs 2. Tracking 3. Web browser history 4. Non-repudiation <ol style="list-style-type: none"> 1. Video 2. Biometrics 3. Signature 4. Receipt
<p>Explain password best practices.</p>	<ol style="list-style-type: none"> 1. Password length 2. Password complexity 3. Password history 4. Password expiration 5. Password reuse across sites 6. Password managers 7. Password reset process
<p>Explain common uses of encryption.</p>	<ol style="list-style-type: none"> 1. Plain text vs. cipher text 2. Data at rest <ol style="list-style-type: none"> 1. File level 2. Disk level 3. Mobile device 3. Data in transit <ol style="list-style-type: none"> 1. Email 2. HTTPS 3. VPN 4. Mobile application
<p>Explain business continuity concepts.</p>	<ol style="list-style-type: none"> 1. Fault tolerance <ol style="list-style-type: none"> 1. Replication 2. Redundancy <ul style="list-style-type: none"> Data Network Power 3. Backup considerations <ul style="list-style-type: none"> Data <ul style="list-style-type: none"> - File backups - Critical data - Database - OS backups

Topic	Details
	<p>Location</p> <ul style="list-style-type: none"> - Stored locally - Cloud storage - On-site vs. off-site <p>4. Contingency plan</p> <p>2. Disaster recovery</p> <ul style="list-style-type: none"> 1. Data restoration 2. Prioritization 3. Restoring access

CompTIA FC0-U61 Sample Questions:

Question: 1

Which of the following would BEST help to protect against unauthorized use of a mobile phone?

- a) Pop-up blocker and cookie cleaner
- b) Alternate browser and private mode
- c) PIN and screen lock
- d) Encrypted messaging and time-expiring texts

Answer: c

Question: 2

Which of the following software licensing types is MOST likely to require the renewal of terms/conditions agreements and has annual fees?

- a) One-time purchase
- b) Open source
- c) Group license
- d) Subscription

Answer: d

Question: 3

Which of the following computer components is primarily responsible for preventing overheating?

- a) Fan
- b) SSD
- c) CPU
- d) Firmware

Answer: a**Question: 4**

Ann, a user, connects a new mouse to a laptop, and the mouse works with no additional steps taken by Ann. Which of the following installation types does this BEST describe?

- a) Driver installation
- b) Plug and play
- c) Web based
- d) Manual

Answer: b**Question: 5**

Which of the following is the MOST secure password?

- a) happybirthday12
- b) HappyDay12!
- c) H*ppyBirthDay%12
- d) HappyBirthDay123

Answer: c**Question: 6**

An image displayed on a monitor is an example of:

- a) input
- b) output
- c) processing
- d) storage

Answer: b

Question: 7

A user buys a new desktop computer and then connects a cable that allows the computer to connect to the web. Which of the following ports would MOST likely be used?

- a) DVI
- b) HDMI
- c) Ethernet
- d) Thunderbolt
- e) Bluetooth

Answer: c**Question: 8**

A school has a sign posted in the computer lab that says, "Sharing passwords with others is prohibited." This is an example of:

- a) social networking.
- b) a security policy.
- c) file sharing.
- d) instant messaging.

Answer: b**Question: 9**

Which of the following protocols is used for secure web browsing?

- a) SFTP
- b) HTTPS
- c) L2TP
- d) IMAP

Answer: b**Question: 10**

Which of the following storage units can be used to represent 1024MB?

- a) 1GB
- b) 1KB
- c) 1TB
- d) 1PB

Answer: a

Study Guide to Crack CompTIA IT Fundamentals+ FC0-U61 Exam:

- Getting details of the FC0-U61 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the FC0-U61 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the CompTIA provided training for FC0-U61 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the FC0-U61 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on FC0-U61 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

Reliable Online Practice Test for FC0-U61 Certification

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