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NEW QUESTION: 1

A user only has access to basic printer functions. A technician notices that the advanced printer features are missing. Which of the following actions will fix this issue?

- A. Modifying the printer settings and rebooting the printer
- B. Installing the drivers from the printer's manufacturer
- C. Restarting the OS and attempting to reprint the document
- D. Applying the OS-provided patches for the printer

Answer: (SHOW ANSWER)

When a printer only provides basic functionality (such as simple printing without duplexing, color management, stapling, or finishing options), this typically indicates that the system is using a generic or basic printer driver rather than the full-featured driver from the printer manufacturer. Advanced printer features are enabled through manufacturer-specific drivers, which expose all hardware capabilities to the operating system.

Operating systems often install default or class drivers automatically, especially when printers are connected via USB or discovered on a network. While these drivers allow basic printing, they do not include proprietary features such as high-resolution settings, tray selection, finishing units, or secure printing options. Installing the correct driver package from the printer manufacturer ensures full compatibility and unlocks advanced functionality.

NEW QUESTION: 2

A user reports their company-provided smartphone does not have internet access when the user is in the parking lot. Which of the following should a technician check first?

- A. 3G/4G/5G/LTE settings
- B. SIM connection
- C. Hotspot capability
- D. GPS configuration

Answer: (SHOW ANSWER)

Checking the 3G/4G/5G/LTE settings ensures that the phone's cellular data connection is enabled and configured properly, which is necessary for internet access outside of Wi-Fi coverage areas like a parking lot.

NEW QUESTION: 3

Which of the following uses a small and portable private network to allow multiple wireless devices to share an internet connection?

- A. Bluetooth
- B. Hotspot
- C. Tethering
- D. NFC

Answer: C ([LEAVE A REPLY](#))

Tethering allows a device (such as a smartphone) to share its mobile data connection with other devices through Wi-Fi, Bluetooth, or USB, creating a small private network for internet access.

NEW QUESTION: 4

A small business owner purchases a building and wants to set up an internet connection. A technician examines the target network room and discovers a coaxial wall jack. Which of the following internet types would the technician most likely recommend for the new business?

- A. Fiber
- B. Satellite
- C. DSL
- D. Cable

Answer: D ([LEAVE A REPLY](#))

A coaxial wall jack indicates that the location is wired for cable internet service. Cable internet uses coaxial cabling to deliver high-speed connectivity, making it the most suitable and likely option for this setup.

NEW QUESTION: 5

SIMULATION 5

A technician is diagnosing several device issues reported by employees.

INSTRUCTIONS

Click on each device to review the issue. Then select the appropriate issue and solution from the drop-down menu. Each option may be used more than once.

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Select an issue

Select a solution



Select an issue

Select a solution



Select an issue

Select a solution



Select an issue

Select a solution



Select an issue

Select a solution

Select an issue

Select a solution



Select an issue

Select a solution



Select an issue

Select a solution



Select an issue

Select a solution



Select an issue

Select a solution



Select an issue

Select a solution



Select an issue

Select a solution





Answer:



NEW QUESTION: 6

A user experiences intermittent Wi-Fi performance issues only in their office. Nearby RJ45 ports do not provide connectivity, but the user connects fine in other campus areas. AP coverage is weak in the user's office. What is the most likely cause?

- A. APs are installed too far from the user's office
- B. Brute-force attempts are causing drops
- C. Ports near the office are disabled
- D. The laptop has malware contacting unauthorized sites

Answer: A (LEAVE A REPLY)

Intermittent Wi-Fi issues specific to one area with admitted weak AP coverage directly point to insufficient signal strength from distant access points, causing drops and poor performance. Wired RJ45 ports nearby not working suggests a separate cabling or port issue, but the Wi-Fi problem aligns with coverage gaps rather than brute-force attacks, malware, or disabled ports, which would not be location-specific or tied to weak signal.

NEW QUESTION: 7

Which of the following should a technician create to assign a permanent IP address to a PC using DHCP?

- A. Reservation
- B. Lease
- C. Exclusion
- D. Scope option

Answer: A ([LEAVE A REPLY](#))

A DHCP reservation maps a specific IP address to a device's MAC address, ensuring the PC always receives the same IP address while still using DHCP.

NEW QUESTION: 8

Which of the following best characterizes the use of a virtual machine as a sandbox?

- A. Run an application on multiple workstations without installation.
- B. Explore how an application behaves in a different environment
- C. Migrate a currently used legacy application from physical to virtual
- D. Create a firewall where the sandbox acts as a perimeter network.

Answer: B ([LEAVE A REPLY](#))

A sandbox in virtualization allows testing an application in an isolated environment to observe its behavior without affecting the host system.

NEW QUESTION: 9

Which of the following is a characteristic of Type 2 hypervisors?

- A. Bare-metal installation
- B. Need for an underlying OS
- C. Local management only
- D. Specific hardware requirements

Answer: ([SHOW ANSWER](#)**)**

Type 2 hypervisors run as applications atop a host operating system, relying on that OS for hardware drivers and resource management rather than interfacing directly with the hardware.

NEW QUESTION: 10

A user reports that they cannot get their laptop to work with a video projector connected with an HDMI cable. The projector is turned on, the HDMI cable is securely connected on both ends, and the laptop displays properly on its own screen. The display mode is set to "Duplicate" on the laptop. Which of the following is most likely causing the issue?

- A. The projector does not support HDMI connections.
- B. The laptop display mode should be set to "Extend".
- C. An HDMI port on the projector failed.
- D. The input source is incorrect on the projector.

Answer: ([SHOW ANSWER](#)**)**

Even when the cable is properly connected and the laptop display mode is correctly set, the projector will not show an image unless it is set to the correct input source. If the projector is set to a different input than HDMI, it will not display the laptop's output.

NEW QUESTION: 11

A technician is replacing a failed power supply in a ten-year-old computer. When installing the customer-provided power supply, the technician discovers the ATX connector would not plug into the motherboard. The customer wants a cost-effective solution.

Which of the following should the technician do next?

- A. Adjust the input voltage.
- B. Install a modular power supply.
- C. Rebuild the failed power supply.
- D. Use a 20-pin to 24-pin adapter.

Answer: D ([LEAVE A REPLY](#))

Older motherboards use 20-pin connectors, while newer power supplies use 24-pin connectors. An adapter resolves the compatibility issue cost-effectively.

NEW QUESTION: 12

Which of the following technologies is most used in portable devices?

- A. ECC
- B. RAID
- C. SATA
- D. SODIMM

Answer: ([SHOW ANSWER](#)**)**

SODIMM (Small Outline Dual Inline Memory Module) is a compact memory module form factor designed specifically for use in portable devices such as laptops, as well as small form factor PCs and some embedded systems, due to its small physical size. The compact footprint allows it to fit into the constrained spaces within mobile devices.

NEW QUESTION: 13

A shared printer experiences an outage when users submit numerous print jobs at the same time. Which of the following would an engineer most likely do after verifying network connectivity?

- A. Reboot the server.
- B. Reinstall the printer drivers.
- C. Reset the printer to factory settings.
- D. Restart the spooler service.

Answer: D ([LEAVE A REPLY](#))

The print spooler service manages print jobs sent to the printer. When many jobs are submitted simultaneously, the spooler can become overloaded or unresponsive. Restarting the spooler service clears the job queue and restores normal print operations without requiring a full reboot.

NEW QUESTION: 14

A user ran out of USB ports on their laptop but wants to plug in more devices. What technology is best?

- A. Near-field communication
- B. Bluetooth
- C. USB receiver
- D. Port replicator

Answer: ([SHOW ANSWER](#))

A port replicator expands the number and types of ports available to a laptop, including additional USB ports, video outputs, Ethernet, and more. CompTIA A+ identifies port replicators as solutions for users needing greater connectivity, especially when docking stations are unnecessary or unavailable.

Port replicators connect through a single USB or proprietary connector and provide multiple expansion ports instantly. This resolves the issue of limited USB availability without requiring hardware replacement.

NEW QUESTION: 15

A technician installs an external camera on a user's laptop. When loading the company meeting software, the video preview shows a blank screen. Which of the following should the technician do next?

- A. Select the correct camera source.
- B. Replace the camera with a different model.
- C. Update the camera software to the latest version.
- D. Check the camera's cable for damage or pinches.

Answer: A ([LEAVE A REPLY](#))

When an external camera is installed, conferencing software may default to a different video input. Selecting the correct camera source ensures the application uses the newly installed external camera, resolving the blank video preview.

NEW QUESTION: 16

A user's phone does not respond to touch. A technician inspects the phone but does not see any evidence of physical damage. The technician restarts the device, which does not fix the issue. Which of the following components should the technician examine next?

- A. Battery
- B. Screen
- C. Stylus
- D. Digitizer

Answer: ([SHOW ANSWER](#))

The digitizer is the component responsible for detecting touch input on a screen. If touch is not registering and there's no physical damage, the digitizer may be faulty.

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NEW QUESTION: 17

Which of the following servers is used to collect data and information about events from a network-connected host?

- A. DNS
- B. Mail
- C. Print
- D. Syslog

Answer: D ([LEAVE A REPLY](#))

A Syslog server gathers and stores log messages and event data sent over the network from various hosts and devices, centralizing system and application logs for monitoring and analysis.

NEW QUESTION: 18

A user wants to print files from an overseas office using a shared network folder. The user's laptop has no public-facing internet connectivity.

Which of the following can be used to print from the shared network folder?

- A. ADF
- B. USB
- C. PCL
- D. SMB

Answer: ([SHOW ANSWER](#)**)**

SMB (Server Message Block) is a protocol used to access files and printers over a network, including across shared network folders. It enables the user to access and print files stored remotely on a shared directory.

NEW QUESTION: 19

Some users are unable to access their workstations. An administrator runs ipconfig on one of the workstations and sees the following:

```
IPv4 address: 192.168.1.27
Subnet mask: 255.255.255.0
Default gateway: 192.168.1.1
```

The administrator runs the following command and receives this output:

```
C:\Users\User> ping gateway

Pinging gateway (192.168.1.1) with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
```

Which of the following is the source of issue?

- A. Web server
- B. Router
- C. DNS
- D. DHCP

Answer: ([SHOW ANSWER](#))

The workstation's IP configuration (192.168.1.27/24 with gateway 192.168.1.1) shows that it has a correct IP address, correct subnet mask, and expected default gateway for a typical small office network. Because the IP is in the correct private range and not an APIPA address (169.254.x.x), this also confirms that DHCP is functioning properly. Therefore, option D (DHCP) cannot be the cause.

The user then pings the default gateway at 192.168.1.1, which should be the router--the device providing routing between local devices and outside networks. The repeated "Request timed out" responses indicate the workstation cannot reach the router at all. This type of failure points directly to a router outage, a powered-off router, a failed router interface, or a physical disconnection of the router from the switch.

If DNS (C) were the issue, the user would still be able to ping the IP address of the gateway because DNS is not required for IP-to-IP connectivity. A web server (A) has no relation to local gateway communication and does not affect workstation access.

Since the workstation has a valid IP but cannot reach its default gateway, the failure point is the router.

NEW QUESTION: 20

SIMULATION 4

A user reports poor performance on the application server.

INSTRUCTIONS

Click on Server 1 and Server 2 and review the information presented in each chart to determine which drives need to be replaced.

Select the appropriate replacement drive that should be used, for the least performance degradation to the server.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

Server 1

Server 2

Status	Name	State	Layout	Bus protocol	Media	Read policy	Write policy	Stripe element size	Disk cache policy
✓	Server 1	Ready	RAID-5	SAS	HDD	No read ahead	Write back	64KB	Disabled
⚠	Server 2	Degraded	RAID-5	SAS	HDD	No read ahead	Write back	64KB	Disabled

Server 1

Status	Name	State	Size	Media	Speed	Failure predicted
✓	Physical disk 1:2	Online	4TB	HDD	15k rpm	Yes
✓	Physical disk 1:3	Online	4TB	HDD	15k rpm	No
✓	Physical disk 1:4	Online	4TB	HDD	15k rpm	No
✓	Physical disk 1:5	Online	4TB	HDD	15k rpm	No

Server 2

Status	Name	State	Size	Media	Speed	Failure predicted
✓	Physical disk 1:2	Online	2TB	HDD	7200rpm	No
✓	Physical disk 1:3	Online	2TB	HDD	7200rpm	No
✓	Physical disk 1:4	Online	2TB	HDD	7200rpm	No
✗	Physical disk 1:5	Offline	2TB	HDD	7200rpm	Failed

Server 1, Drive bay 2



Size	Interface	Rotational speed
4TB v	HDD	15k rpm

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Server 1, Drive bay 3



Size	Interface	Rotational speed
4TB v	HDD	15k rpm

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Server 1, Drive bay 4



Size	Interface	Rotational speed
4TB v	HDD	15k rpm

Server 1, Drive bay 5



Size	Interface	Rotational speed
4TB v	HDD	15k rpm

Server 2, Drive bay 2



Size	Interface	Rotational speed
2TB v	HDD	7200rpm
8TB	SAS	5400rpm
4TB	SATA	7200rpm
2TB	SATA	SSD
1TB	SAS	10k rpm
4TB	SAS	15k rpm
4TB	SAS	10k rpm
4TB	SATA	SSD

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Layout	Bus protocol	Media
RAID-5	SAS	HDD
RAID-5	SAS	HDD



Answer:

The degraded status on Server 2 indicates a RAID-5 issue, typically due to a failed or failing drive. In RAID-5 configurations, when one drive fails, the system can still operate but with reduced performance as parity data is used to rebuild missing data on-the-fly.

Recommended Replacement Drive:

- To minimize performance degradation, the replacement drive should be:
- SAS HDD with the same specifications (64KB stripe size, no read-ahead, and write-back policy).
- Matching the configuration exactly ensures seamless integration and optimizes recovery speed in the RAID-5 array.

In RAID-5, degraded performance is expected when one drive fails, as parity data needs to rebuild missing information during each read/write process. Replacing the failed drive restores the RAID array to optimal status, reducing the load on existing drives and returning the system to normal read/write performance. The write-back policy and disabled disk cache settings are designed to reduce latency and increase efficiency, essential for handling real-time applications.

NEW QUESTION: 21

An end user reports that their laptop has a blank screen. A technician observes the keyboard lights are on, and the fan is running. Which of the following should the technician do next?

- A. Check the display ribbon cable.
- B. Contact vendor support
- C. Replace the inverter
- D. Connect to an external monitor

Answer: D ([LEAVE A REPLY](#))

When a laptop powers on but the screen is blank, the quickest way to isolate the problem is to connect to an external monitor. This helps determine if the issue is with the laptop display or with the graphics subsystem.

NEW QUESTION: 22

Which of the following is typically found in server memory modules?

- A. RGB
- B. ECC
- C. Static
- D. SODIMM

Answer: (SHOW ANSWER)

Server memory modules commonly use error-correcting code memory, which can detect and correct single-bit memory errors to improve system reliability and stability in mission-critical environments.

NEW QUESTION: 23

A technician receives a S.M.A.R.T. error on a PC. When the technician presses the Esc key, the PC continues to turn on without any further issues.

Which of the following should the technician do next?

- A. Replace the HDD.
- B. Update the PC's BIOS.
- C. Close the ticket.
- D. Change the NIC.

Answer: A (LEAVE A REPLY)

S.M.A.R.T. (Self-Monitoring, Analysis, and Reporting Technology):

S.M.A.R.T. is a monitoring system integrated into modern HDDs and SSDs that detects and reports on various indicators of drive health and reliability.

A S.M.A.R.T. error indicates that the drive is showing signs of impending failure, even if the PC continues to boot and work normally for the time being.

Next Steps:

The appropriate action is to replace the hard drive (HDD) because a S.M.A.R.T. error is an early warning of possible hardware failure. Ignoring the warning could result in data loss if the drive fails completely. The technician should also back up the user's data immediately to avoid losing

NEW QUESTION: 24

Which of the following port numbers are associated with email traffic? (Choose two.)

- A. 23
- B. 25
- C. 67
- D. 110
- E. 137

F. 443

Answer: B,D (LEAVE A REPLY)

To answer this question, we need to identify the port numbers associated with email protocols used in client-server communication.

Port 25 (SMTP - Simple Mail Transfer Protocol):

This port is primarily used for sending emails between mail servers and from mail clients to mail servers (sending outbound mail).

SMTP is an essential protocol for email traffic.

Port 110 (POP3 - Post Office Protocol v3):

POP3 is used for retrieving emails from a mail server. It is commonly used for downloading email messages to a local client, after which the messages are deleted from the server. While not as commonly used today (due to IMAP being preferred), POP3 is still a recognized email protocol, and its association with port 110 makes it a valid answer.

NEW QUESTION: 25

A user's smartphone battery drains faster than usual even when not in use. The smartphone also feels unusually hot. Which of the following should be done first to troubleshoot the issue?

- A. Check for applications that are using excessive background resources.
- B. Replace the smartphone's battery with a new one.
- C. Create a backup and perform a factory reset on the smartphone.
- D. Disable Wi-Fi and Bluetooth.

Answer: A (LEAVE A REPLY)

Excessive background activity from apps is the most common cause of unexpected battery drain and overheating. Identifying and closing or uninstalling such apps should be the first troubleshooting step before considering hardware replacement or a full reset.

NEW QUESTION: 26

SIMULATION 10

A customer recently experienced a power outage at a SOHO. The customer does not think the components are connected properly. A print job continued running for several minutes after the power failed, but the customer was not able to interact with the computer.

Once the UPS stopped beeping, all functioning devices also turned off.

In case of a future power failure, the customer wants to have the most time available to save cloud documents and shut down the computer without losing any data.

INSTRUCTIONS

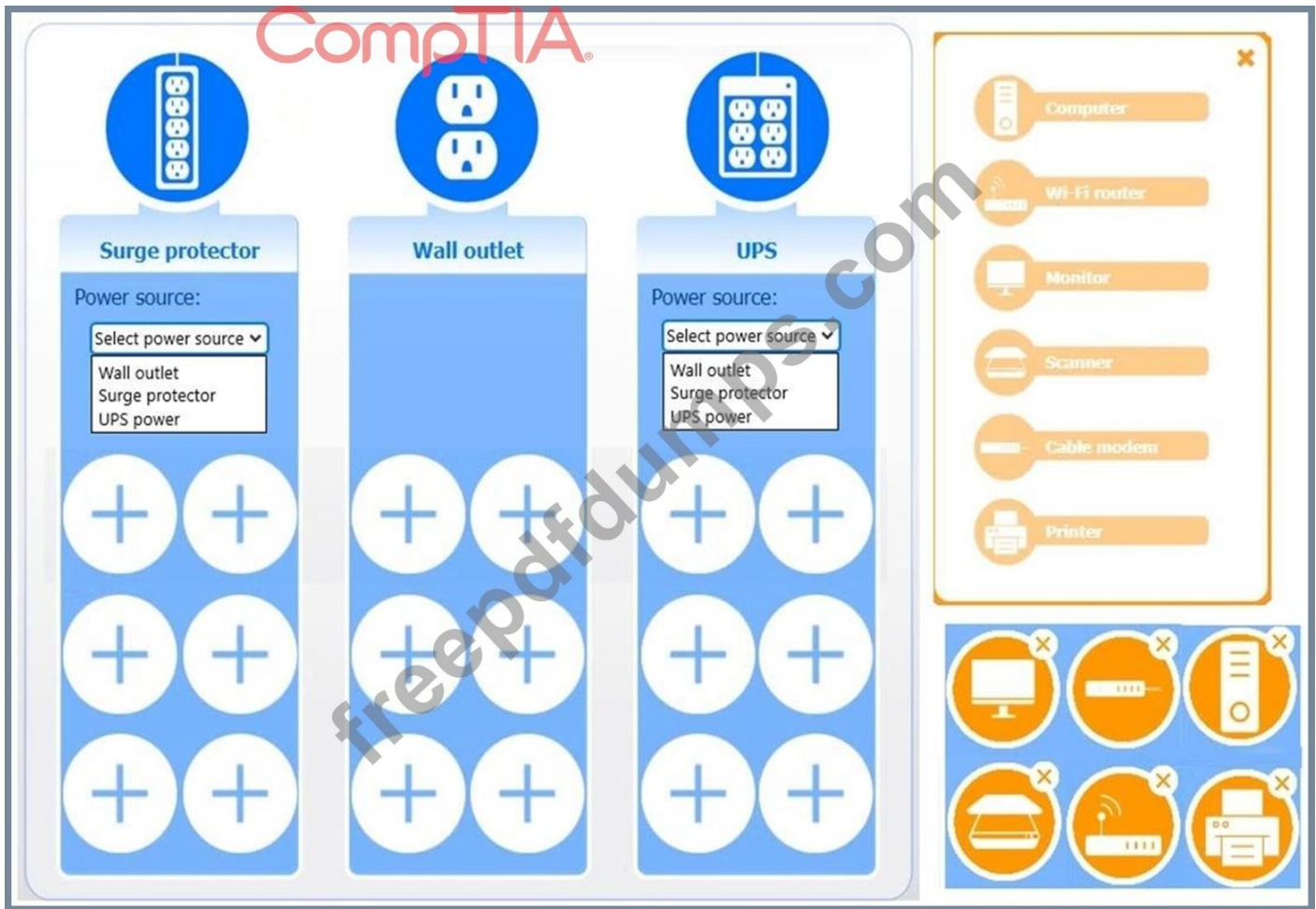
Based on the customer's requirements, connect the customer's devices to the proper outlets.

Then, use the drop-down menus to select the power source for the surge protector and UPS.

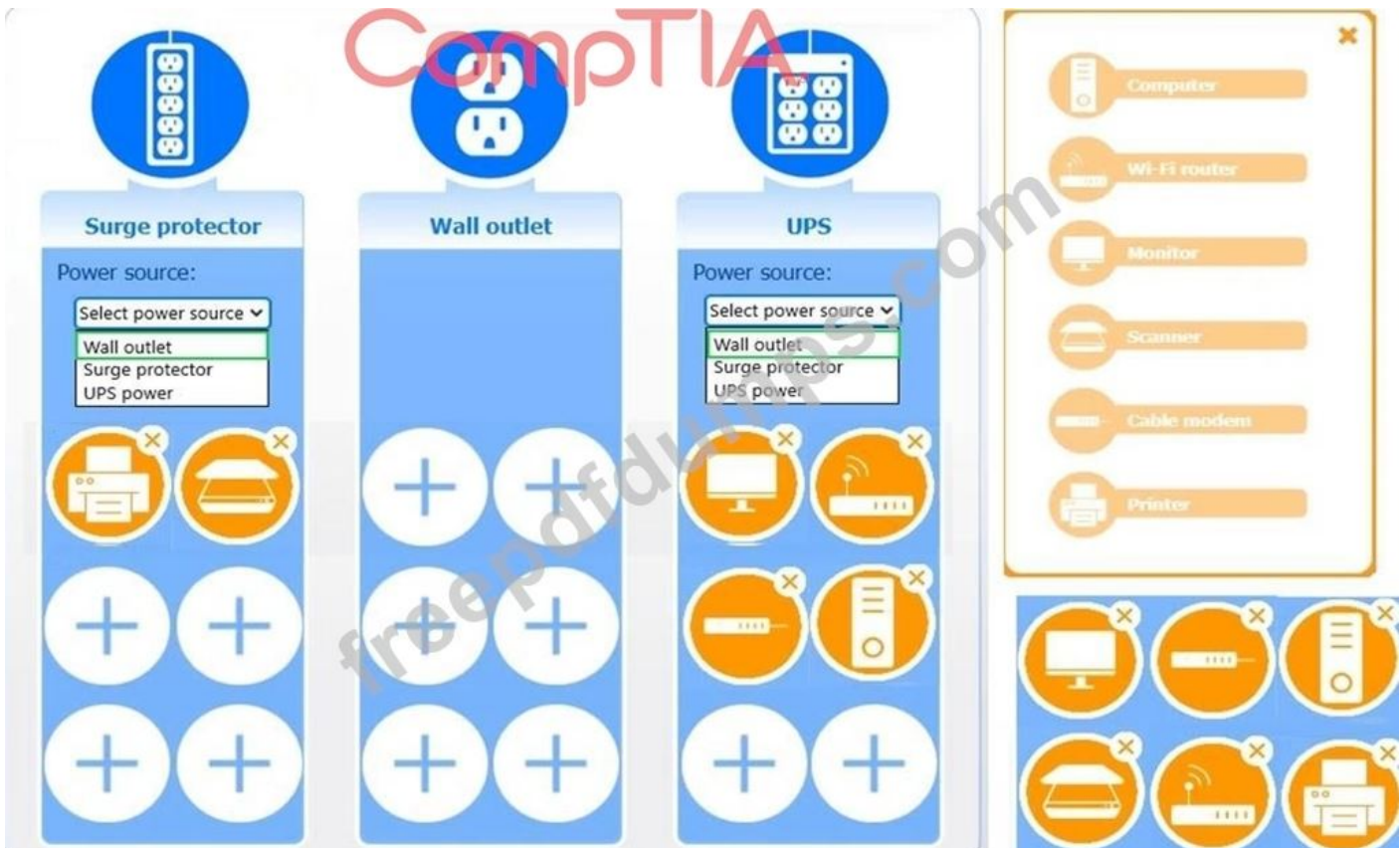
This may require reselecting dropdowns or removing devices from their initial location.

Click on the + to add a device, and click the X to remove a device. Each device may only be used once.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.



Answer:



NEW QUESTION: 27

An administrator selects a new platform that provides the following benefits:

- Shares a host OS
- Shares kernel resources
- Rapid start and deployment
- Limited isolation

Which of the following virtualization options did the administrator select?

- A. Type 1 hypervisor
- B. Containers
- C. Virtual desktop
- D. Virtual machine

Answer: [\(SHOW ANSWER\)](#)

The virtualization platform described matches the characteristics of containers. Containers are lightweight virtualization solutions that share the host operating system and kernel, rather than running separate guest operating systems. This design allows containers to start almost instantly and be deployed rapidly, making them highly efficient and scalable.

Because containers share kernel resources, they use significantly fewer system resources compared to traditional virtual machines. However, this also results in limited isolation, since applications are not fully separated at the OS level. This tradeoff is a defining characteristic of container-based virtualization.

NEW QUESTION: 28

A Wi-Fi router is set up in a central room. A user on the outer edge of the building reports slow connections and intermittent internet drops. Which of the following actions will solve the issue?

- A. Enabling the 5GHz band
- B. Running the flushdns command
- C. Upgrading the laptop to a Wi-Fi 6 NIC
- D. Installing additional wireless APs around the location

Answer: [D \(LEAVE A REPLY\)](#)

The user is experiencing slow connections and intermittent drops on the outer edge of the building, which indicates a problem with Wi-Fi signal range and strength. Installing additional wireless access points (APs) will extend the coverage and provide a stronger, more reliable signal to the user's location.

NEW QUESTION: 29

Which of the following types of connectors does an IDE hard drive use for power?

- A. F type
- B. SC
- C. Molex
- D. Lightning

Answer: C (LEAVE A REPLY)

An IDE hard drive uses a Molex connector for power. This 4-pin connector is a standard for older drives.

NEW QUESTION: 30

A technician needs to deploy a router at a home office to provide internet access. The WAN port is required to connect to a static, public IP address assigned by the ISP. Which of the following should the ISP assign?

- A. 10.1.1.1
- B. 172.16.0.1
- C. 192.30.0.1
- D. 192.168.10.1

Answer: C (LEAVE A REPLY)

192.30.0.1 is a public IP address, which can be assigned by an ISP for WAN connectivity. The other options (10.x.x.x, 172.16.x.x-172.31.x.x, and 192.168.x.x) are private IP ranges and cannot be used as public-facing addresses on the internet.

NEW QUESTION: 31

The computers and IP phones at an office experience degraded performance during the day. The issue does not occur before the start of business. Which of the following will resolve the issue?

- A. Changing the switches to ones with higher capacity
- B. Using VLANs to segregate data and voice traffic
- C. Adding RAM to the PCs and additional VoIP lines
- D. Updating the firmware on the switches

Answer: B (LEAVE A REPLY)

Degraded performance that occurs only during business hours strongly suggests network congestion caused by simultaneous data and voice traffic. Combining voice (VoIP) and data traffic on the same network without proper segmentation can lead to latency, jitter, and packet loss, especially during peak usage periods.

Implementing VLANs (Virtual Local Area Networks) allows administrators to logically separate voice and data traffic, enabling better traffic management and prioritization. VLANs also support Quality of Service (QoS) policies that ensure time-sensitive voice traffic is prioritized over standard data traffic, improving call quality and overall performance.

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NEW QUESTION: 32

A technician is troubleshooting internet connectivity issues after a firewall update. Users report that they can access local network resources, such as printers and shares, but cannot access the internet. Which of the following settings is most likely causing the issue?

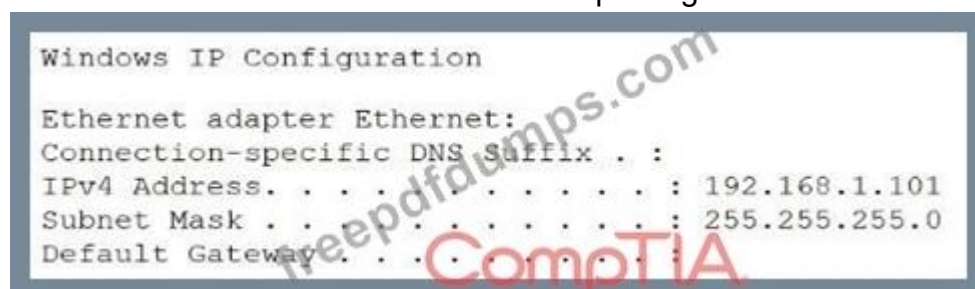
- A. Static IP assignments
- B. Default gateway
- C. Subnet mask
- D. VLANs

Answer: B ([LEAVE A REPLY](#))

If users can access local network resources but not the internet, the most likely culprit is a misconfigured or missing default gateway. The default gateway routes traffic from the local network to external networks (i.e., the internet). If it's not properly set or was altered during a firewall update, internet traffic won't be forwarded correctly.

NEW QUESTION: 33

A customer contacts the help desk to report they can access the corporate fileshare but cannot browse the internet. The technician runs ipconfig and receives the following output:



```
Windows IP Configuration

Ethernet adapter Ethernet:
Connection-specific DNS Suffix . : 
IPv4 Address. . . . . : 192.168.1.101
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . :
```

Which of the following is most likely causing the issue?

- A. Corrupt NIC drivers
- B. Conflicting IPv4 address
- C. Incorrect next hop information
- D. Unplugged Ethernet cable

Answer: C ([LEAVE A REPLY](#))

The system has a valid IPv4 address and subnet mask and can access internal resources, which confirms local network connectivity is working. The absence of a default gateway indicates incorrect next hop information, preventing traffic from being routed to external networks such as the internet.

NEW QUESTION: 34

Which of the following describes an environment in which virtual machines are hosted on premises and in a cloud?

- A. Hybrid

- B. Public
- C. Private
- D. SaaS

Answer: ([SHOW ANSWER](#))

A hybrid environment combines on-premises infrastructure with cloud-based resources, allowing virtual machines to run in both locations while operating as a single integrated environment.

NEW QUESTION: 35

Which of the following should be considered first when looking for replacement storage?

- A. Form factors
- B. RAID
- C. Spindle speeds
- D. NVMe

Answer: A ([LEAVE A REPLY](#))

When replacing storage, the first consideration is the form factor, as it determines physical compatibility with the device (e.g., 2.5-inch, 3.5-inch, M.2). Once the correct form factor is ensured, other specifications such as interface type and performance can then be evaluated.

NEW QUESTION: 36

A laptop's wireless speed has been very slow since a new router was installed. The user thinks the issue is because the router is misconfigured. Which of the following should a technician do first to diagnose this issue?

- A. Reproduce the issue with the user's laptop
- B. Connect using Ethernet to verify network speed
- C. Adjust the maximum transmission unit size on the user's laptop
- D. Update the network drivers

Answer: A ([LEAVE A REPLY](#))

The first step in troubleshooting is to reproduce the issue. This ensures that the problem exists as reported, and the technician can observe it directly. In this case:

Testing the wireless speed on the user's laptop while connected to the new router allows the technician to verify the problem and gather evidence for further troubleshooting. Reproducing the issue helps confirm whether the problem is with the laptop, the router configuration, or other network factors.

NEW QUESTION: 37

Which of the following cloud-computing concepts describes an environment in which various internal VM servers for a specific organization are stored within both a physical server and a cloud environment?

- A. Private
- B. Hybrid
- C. Community

D. Public

Answer: ([SHOW ANSWER](#))

A hybrid cloud is a cloud computing environment that combines on-premises, private cloud, and public cloud resources. This configuration allows organizations to deploy workloads and data in a way that optimizes performance, security, and cost management.

Key Characteristics of a Hybrid Cloud:

Combines private cloud (on-premises or dedicated servers) and public cloud (resources accessed over the internet).

Allows for the movement of data and applications between private and public clouds.

Supports scenarios where certain data must remain on-premises for security or compliance reasons, while other workloads utilize the scalability of public cloud resources.

NEW QUESTION: 38

A user on the edge of a building reports slow Wi-Fi and intermittent drops. Which action will solve the issue?

- A.** Enable the 5GHz band
- B.** Run `ipconfig /flushdns`
- C.** Upgrade laptop to Wi-Fi 6 NIC
- D.** Install additional wireless APs around the location

Answer: ([SHOW ANSWER](#))

The user is experiencing slow Wi-Fi and intermittent drops at the edge of a building, which indicates weak signal strength due to distance from the existing wireless access point (AP) or physical obstructions. The most effective solution is to improve the wireless coverage in that specific area by adding more APs.

NEW QUESTION: 39

A technician recently updated the firmware on a dual-BIOS motherboard. Following the update, the system has been stuck in a boot loop and cannot start an OS from any internal or external device. The technician cannot access the UEFI menu either.

Which of the following should the technician do next?

- A.** Enable the secondary configuration.
- B.** Downgrade the firmware via USB.
- C.** Start a warranty repair of the motherboard.
- D.** Reapply thermal paste to the CPU.

Answer: **A** ([LEAVE A REPLY](#))

Dual-BIOS motherboards contain two firmware chips. If the primary BIOS becomes corrupted, the system can failover to the secondary BIOS. Most boards allow manual enabling of the secondary BIOS via a physical switch or jumper.

NEW QUESTION: 40

A user is reporting that a computer has been very slow in recent days. The technician looks into the problem and finds pop-ups are randomly appearing on the screen. Which of the following is the next step the technician must take?

- A. Establish a knowledge base.
- B. Establish a theory of probable cause.
- C. Establish a new theory and consider escalating.
- D. Establish a plan of action.

Answer: B ([LEAVE A REPLY](#))

The technician has identified the symptoms (slow performance and random pop-ups) and must now establish a theory of probable cause, such as malware or spyware infection.

NEW QUESTION: 41

Which of the following is an advantage of using the 2.4GHz wireless frequency?

- A. Communication between devices without external power
- B. Security for connections in close proximity
- C. Minimized structural interference
- D. Increased channel options

Answer: C ([LEAVE A REPLY](#))

The 2.4GHz frequency offers better range and penetration through walls and obstacles compared to higher frequencies like 5GHz. This makes it less affected by structural interference, though it provides fewer channels and lower speeds.

NEW QUESTION: 42

Which of the following will most likely be installed in an NVMe port on the motherboard of a desktop PC?

- A. SATA drive
- B. Solid-state drive
- C. SAS drive
- D. Optical drive

Answer: B ([LEAVE A REPLY](#))

An NVMe (Non-Volatile Memory Express) port on a desktop PC motherboard is a high-speed interface, typically using the PCIe bus, designed to connect storage devices that can take advantage of its low latency and high bandwidth.

Solid-state drives (SSDs) are the type of storage device that uses non-volatile memory (like NAND flash) and are specifically designed to leverage the speed and parallelism of the NVMe interface. They commonly come in the M.2 form factor that plugs directly into an NVMe-enabled M.2 slot on the motherboard.

NEW QUESTION: 43

A technician is putting RJ45 connectors on Cat 6 cables.

Which of the following tools should the technician use to secure the connectors?

- A. Crimping
- B. Punchdown
- C. Wire cutters
- D. Loopback plug

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 44

The power supply for a user's gaming PC fails. The user installs a new power supply and connects it to the motherboard, GPU, and SSDs, but the computer will not start. What is the most likely cause?

- A. The computer requires more RAM
- B. The wattage is insufficient
- C. The user did not connect the 4-pin CPU connector
- D. The power supply only works in redundant configurations

Answer: C ([LEAVE A REPLY](#))

Modern gaming systems require both the 24-pin ATX connector to the motherboard and a separate 4-pin or 8-pin CPU power connector near the CPU socket; if the CPU connector is missing, the system will not start even if the GPU and drives are powered.

Insufficient wattage would typically cause instability, shutdowns, or failure under load, not a complete failure to power on immediately after installation when only basic components are attached.

NEW QUESTION: 45

A multifunction printer in a small office recently had issues with scan-to-email functionality. The manufacturer has an update ready to fix the printer issues. Which of the following would a technician most likely deploy to remediate the issue?

- A. Firmware
- B. Driver
- C. OS update
- D. HSM

Answer: A ([LEAVE A REPLY](#))

Firmware is the embedded software on a device such as a printer. Manufacturers often release firmware updates to resolve hardware-specific functionality issues, such as scan-to-email or security vulnerabilities.

NEW QUESTION: 46

Which of the following is an example of SaaS?

- A. Videoconferencing
- B. Managed VDI
- C. Hosted database
- D. Hypervisor

Answer: (SHOW ANSWER)

Videoconferencing platforms (e.g., Zoom, Microsoft Teams) are delivered entirely as cloud-based applications that users access over the Internet, fitting the Software-as-a-Service model.

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NEW QUESTION: 47

Which of the following tools would a technician use to connect wires to an RJ45 connector?

- A. Crimper
- B. Cable stripper
- C. Punchdown
- D. Loopback plug

Answer: A (LEAVE A REPLY)

A crimper is specifically used to attach RJ45 connectors to the ends of network cables. It presses the connector pins into the cable's wires, establishing a secure electrical connection. A punch down tool is used for wiring patch panels or keystone jacks, not for attaching connectors.

NEW QUESTION: 48

A customer has several bare-metal servers running a mix of Windows, Linux, and Unix OSs. The customer wants to consolidate the servers but is concerned about data privacy and recurring costs. Which of the following solutions should a technician recommend?

- A. IaaS
- B. Containers
- C. Type 2 hypervisor
- D. VDI

Answer: (SHOW ANSWER)

Deploying a Type 2 hypervisor on the existing bare-metal hosts lets the customer virtualize Windows, Linux, and Unix systems on-premises, maintaining full control over data privacy, and use perpetual licensing rather than ongoing cloud subscription fees. Containers wouldn't support all those OS types, and IaaS or VDI would introduce recurring costs and off-prem dependencies.

NEW QUESTION: 49

A company decides to subscribe to a cloud service to provide email for its employees. Which of the following cloud models is the company adopting?

- A. PaaS
- B. SaaS
- C. DaaS
- D. IaaS

Answer: ([SHOW ANSWER](#))

SaaS (Software as a Service) delivers software applications, such as email services, over the internet on a subscription basis without requiring the company to manage underlying infrastructure or platforms.

NEW QUESTION: 50

SIMULATION 9

An office manager reports that a printer is experiencing performance issues. Printouts are smudging when they are handled, and, recently whenever they need to print legal sized documents, the paper jams before anything is printed on it.

The following paper sizes are used:

Letter (8.5x11in/21.59x27.94cm)

Legal (8.5x14in/21.59x35.56cm)

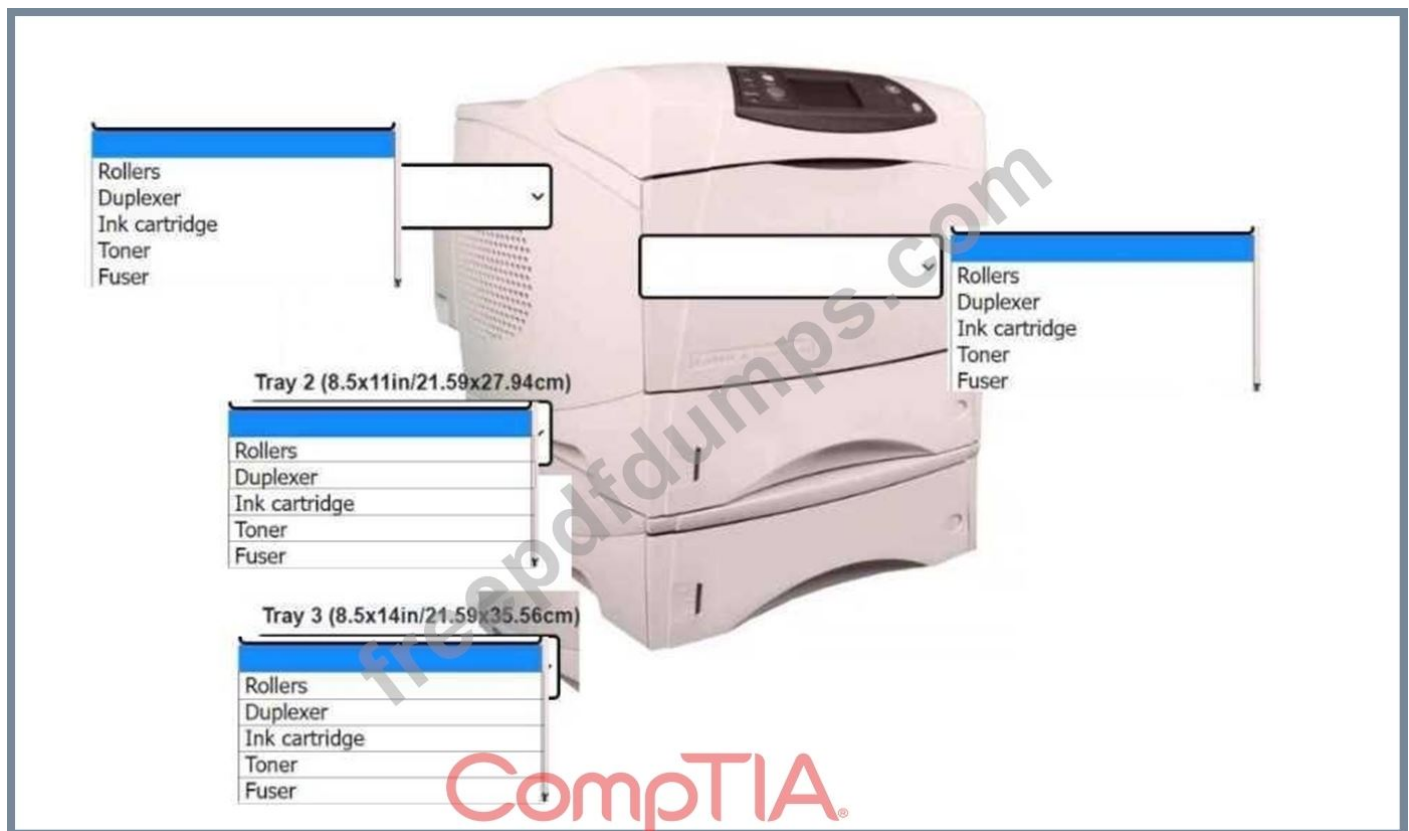
Oversized (11x17in/27.94x43.18cm)



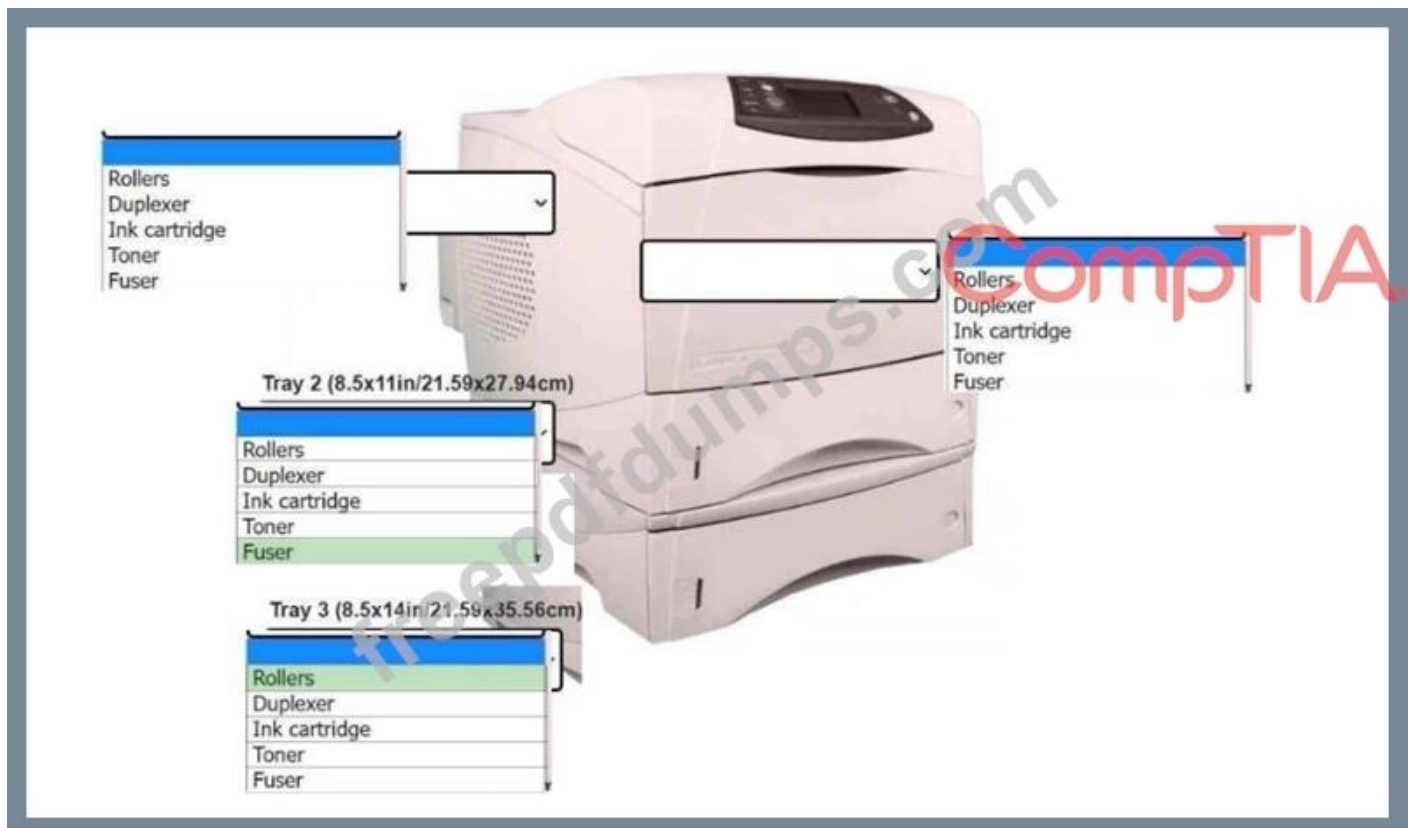
INSTRUCTIONS

Using the dropdown menus, select from the available printer parts to replace only the faulty components on the office printer to resolve the stated issues.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.



Answer:



NEW QUESTION: 51

Multiple organizations are working together on a project and want to migrate the data to the cloud. Which of the following cloud models should be used?

A. Public

- B. Hybrid
- C. Private
- D. Community

Answer: D ([LEAVE A REPLY](#))

A community cloud is designed for multiple organizations with shared goals or projects, allowing collaboration while maintaining a level of privacy. This cloud model is ideal for the scenario where organizations are working together and need to migrate project-related data to the cloud.

NEW QUESTION: 52

Which of the following allows a physical server to host multiple virtual machines?

- A. Cross-platform virtualization
- B. Hypervisor
- C. Sandbox
- D. SaaS

Answer: B ([LEAVE A REPLY](#))

A hypervisor is software or firmware that allows multiple operating systems (virtual machines) to run on a single physical host. It manages the allocation of resources and isolation of each VM.

NEW QUESTION: 53

Which of the following wireless frequency ranges involves the use of channels 1, 6, and 11?

- A. 2.4GHz
- B. 5GHz
- C. 6GHz
- D. 60GHz

Answer: ([SHOW ANSWER](#)**)**

The 2.4GHz wireless frequency range uses channels 1, 6, and 11 as the non-overlapping channels to minimize interference and ensure reliable Wi-Fi communication.

NEW QUESTION: 54

A technician is manually configuring network settings on a user's computer to route network traffic to a newly deployed firewall. Which of the following should the technician change?

- A. VPN
- B. Gateway
- C. Subnet mask
- D. VLAN

Answer: ([SHOW ANSWER](#)**)**

Routing network traffic through a firewall requires changing the default gateway so the computer sends outbound traffic to the firewall as the next hop.

NEW QUESTION: 55

SIMULATION 1

A customer has contacted you about building two new desktops. The first desktop will be a gaming workstation. The customer requirements include:

- Playing the newest games at a high frame rate
- Fast game load times
- Enough storage to have several games installed at once
- High-end audio
- No concern about cost
- Running the current Windows OS

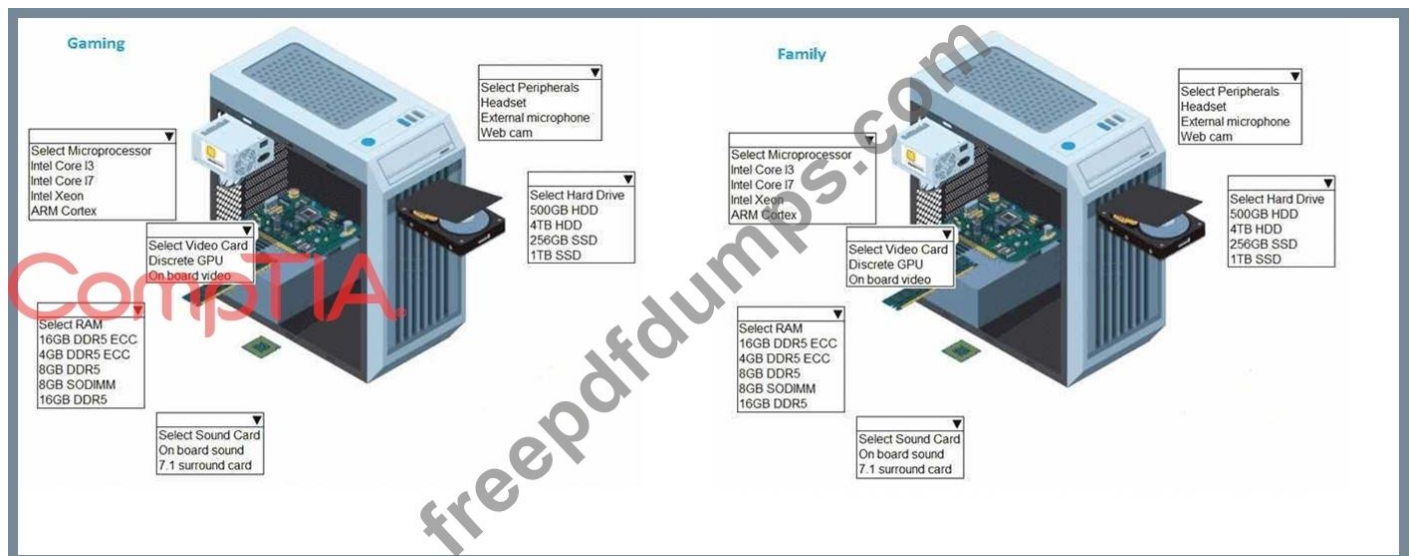
The second workstation will be a family workstation. The requirements include:

- Capability for word processing, videoconferencing, and basic web surfing
- Minimal cost, as long as it meets the requirements
- Running the current Windows OS

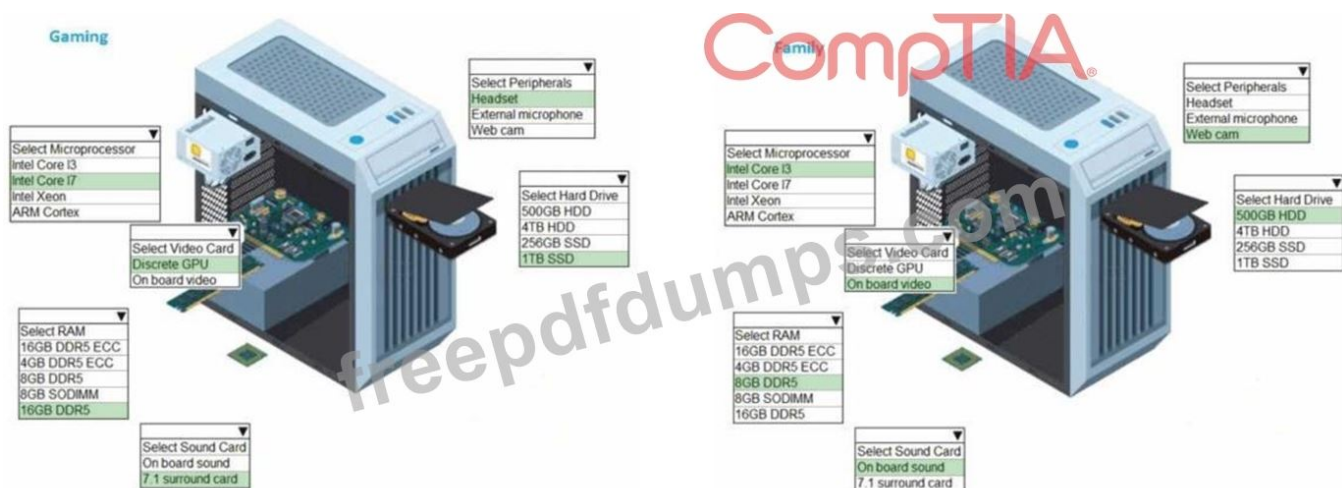
INSTRUCTIONS

Use the drop-down menus to select the appropriate component for each category, based on the above requirements.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.



Answer:



NEW QUESTION: 56

The power supply for a user's gaming computer fails. The user buys a replacement online. The user connects the power supply to the motherboard, the graphics card, and the SSDs, but the computer fails to start and displays a critical error. Which of the following is the most likely cause?

- A. The computer requires an additional RAM upgrade.
- B. The wattage is insufficient for all the peripherals.
- C. The user did not connect the 4-pin connector for the CPU.
- D. The power supply only operates in a redundant configuration

Answer: ([SHOW ANSWER](#))

Modern motherboards require two separate power connections from the power supply: the 24-pin ATX connector for general motherboard power and a 4-pin or 8-pin CPU (EPS) connector dedicated to powering the processor. Failing to connect the CPU power connector commonly results in a system that does not boot and may display a critical or CPU-related error.

In this scenario, the user connected power to the motherboard, graphics card, and storage devices, but the system fails to start. This strongly indicates that the CPU power connector was overlooked, which is a frequent mistake during PSU replacement. Without this connection, the processor cannot initialize, preventing POST.

NEW QUESTION: 57

Which of the following connectors will uplink a new ISP cable modem to its wall jack?

- A. F-type
- B. LC
- C. RJ45
- D. Lightning

Answer: A ([LEAVE A REPLY](#))

Cable modems use coaxial cable to connect to the wall jack, and the standard connector for coaxial cable in ISP cable installations is the F-type connector.

NEW QUESTION: 58

A technician is installing an expansion card on a desktop computer to provide internet access. Which of the following expansion cards should the technician use?

- A. GPU
- B. NIC
- C. Sound
- D. Capture
- E. PCIe

Answer: ([SHOW ANSWER](#))

A network interface card provides the hardware interface required for a desktop computer to connect to a network and access the internet.

NEW QUESTION: 59

A user's smartphone frequently disconnects from Wi-Fi networks, particularly in crowded areas like airports and coffee shops. The user also notices that their device shows a lower Wi-Fi signal strength compared to other devices in the same location. Which of the following is likely contributing to the smartphone's Wi-Fi connectivity issues?

- A. The smartphone's antenna may be malfunctioning.
- B. The smartphone may have an outdated Wi-Fi standard.
- C. The smartphone may be experiencing interference from nearby devices.
- D. The smartphone's power settings may be affecting performance.

Answer: ([SHOW ANSWER](#))

Consistently lower signal strength than other devices in the same environment indicates a hardware-related issue rather than general interference. A malfunctioning or damaged Wi-Fi antenna in the smartphone would reduce signal reception, leading to frequent disconnections, especially in environments with weaker or congested signals.

NEW QUESTION: 60

A projector has been shutting down after 30 minutes of use, and it has a strange smell. The technician confirms the power source is not the cause of the issue.

Which of the following steps should the technician take next to resolve this issue?

- A. Replace the bulb
- B. Check the projector configuration.
- C. Clean the filter
- D. Adjust the gamma settings.

Answer: C ([LEAVE A REPLY](#))

Projectors have air filters that prevent dust from entering the internal components. A clogged filter can cause the projector to overheat, resulting in shutdowns and even strange smells due to overheating components. Cleaning the filter is a standard troubleshooting step when projectors exhibit overheating symptoms.

NEW QUESTION: 61

Every day for a week, when a user turns on their computer, the time is wrong. A technician corrects the time, but the issue happens again. Which of the following is most likely the cause of the issue?

- A. A failing NIC
- B. Misconstrued NTP settings
- C. Incorrect time zone
- D. A faulty CMOS battery

Answer: D ([LEAVE A REPLY](#))

A faulty CMOS battery causes the system to lose time and BIOS settings when powered off, resulting in the computer resetting to the wrong time each time it is turned on.

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NEW QUESTION: 62

A technician needs to update a web server's IPv4 address in a DNS server. Which of the following records should the technician update?

- A. AAAA
- B. MX
- C. CNAME
- D. A

Answer: D ([LEAVE A REPLY](#))

An A record maps a domain name to an IPv4 address in a DNS server.

NEW QUESTION: 63

A customer reports that a workstation has no internet connectivity. A technician confirms the port is disabled. Which of the following is most likely responsible for the issue?

- A. Patch panel
- B. Physical NIC
- C. Managed switch
- D. Stand-alone firewall

Answer: C ([LEAVE A REPLY](#))

A managed switch allows an administrator to enable or disable individual ports as part of network security and management. If a port on a managed switch has been disabled, the device connected to that port will lose connectivity, which matches the scenario described.

NEW QUESTION: 64

A technician is setting up a new multifunction device to be used over a shared network connection. Copier functions need to be restricted to only office employees. Which of the following should the technician perform after configuring the device to use a print server that exists on the domain?

- A. SMTP implementation
- B. Firmware update
- C. User authentication
- D. SMB configuration

Answer: C ([LEAVE A REPLY](#))

User authentication allows access to device functions (like printing and copying) to be restricted to authorized personnel. This is typically implemented on networked multifunction devices for security and auditing.

NEW QUESTION: 65

A user joins a conference call with a Bluetooth headset. Which of the following has the user created?

- A. MAN
- B. PAN
- C. SAN
- D. WAN

Answer: ([SHOW ANSWER](#)**)**

A PAN is a network established between devices in close proximity, such as between a smartphone and a Bluetooth headset. Bluetooth technology is specifically designed for short-range communication, making it a type of PAN.

NEW QUESTION: 66

Users working with large files back up the files to external hard drives. One user's files take longer to back up than other users' files. The user has tried backing up the files to other users' drives with the same results.

Which of the following steps should the technician take first to correct this issue?

- A. Replace the hard drive's USB cable.
- B. Defragment the user's external hard drive.
- C. Update the storage drivers on the user's system.
- D. Instruct the user to compress the files.

Answer: ([SHOW ANSWER](#)**)**

If a hard drive is heavily fragmented, file read/write operations can take significantly longer, causing slow backup speeds. Defragmenting the drive organizes the data for more efficient access.

NEW QUESTION: 67

A SOHO user's network printer has been without power for the last few days. After turning the printer back on, the user cannot connect to it. Which of the following is the most probable cause?

- A. The printer has a static IP address.
- B. The printer has a dynamic IP address.
- C. The printer has an APIPA.
- D. The printer has a public IP address.

Answer: B ([LEAVE A REPLY](#))

If the printer uses a dynamic IP address and has been without power, the DHCP lease may have expired, and the printer may have been assigned a new IP address. Devices attempting to connect using the old IP address will fail.

NEW QUESTION: 68

Which of the following is a Bluetooth network an example of?

- A. PAN
- B. LAN
- C. WAN
- D. SAN

Answer: ([SHOW ANSWER](#)**)**

Bluetooth is a wireless technology designed for short-range communication between devices. It is a classic example of a Personal Area Network (PAN), which supports communication between devices like smartphones, headsets, keyboards, and mice within a few meters. PANs are smaller in scope compared to LANs or WANs.

NEW QUESTION: 69

A management team is concerned about enterprise devices that do not have any controls in place. Which of the following should an administrator implement to address this concern?

- A. MDM
- B. MFA
- C. vpn
- D. SSL

Answer: A ([LEAVE A REPLY](#))

Mobile Device Management (MDM) enables administrators to enforce controls on enterprise devices, such as restricting apps, ensuring compliance, and remotely managing security policies.

NEW QUESTION: 70

A technician is experimenting with network configurations and has connected two laptops to an unmanaged switch. The technician configured one of the laptops with a static IP address of 192.168.1.1 and the other with a static IP address of 192.168.2.2. The laptops are not communicating with each other.

Which of the following is the most likely explanation for this issue?

- A. The technician needs to use a hub instead of a switch.
- B. PoE interferes with intersubnet communication.
- C. The laptops do not have access to a router.
- D. The wireless NICs are malfunctioning.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 71

A user's device needs more memory, so a technician installs extra RAM with the following specifications:

2 x8Gb DDR3-1066(PC3-S500)

1 x 16Gb DDR3-1333 (PC3-10600)

Which of the following speeds would maximize reliability?

- A. 1,066
- B. 1 333
- C. 8.500
- D. 10,600

Answer: A ([LEAVE A REPLY](#))

When multiple RAM modules with different speeds are installed in a system, the system will default to the speed of the slowest module to maintain reliability and stability. In this case:

The system contains two DDR3-1066 (PC3-8500) modules and one DDR3-1333 (PC3-10600) module. The slowest RAM speed is DDR3-1066 (PC3-8500), and the system will run all memory modules at this speed to prevent timing mismatches and data corruption.

NEW QUESTION: 72

Which of the following display technologies typically provides the highest contrast?

- A. IPS
- B. OLED
- C. TN
- D. VA

Answer: B ([LEAVE A REPLY](#))

OLED (Organic Light-Emitting Diode) technology can turn off individual pixels completely, producing "true black" and resulting in the highest contrast ratios compared to other display types.

NEW QUESTION: 73

A user's laptop keyboard is distorted and no longer flat. Which laptop component most likely failed?

- A. Battery
- B. RAM
- C. Keyboard
- D. HDD

Answer: A ([LEAVE A REPLY](#))

A laptop keyboard becoming distorted and no longer flat is a classic symptom of a swollen battery. Modern laptops typically use lithium-ion (Li-ion) or lithium-polymer (LiPo) batteries which can expand due to internal chemical reactions, gas buildup, or overheating as they age or fail. This expansion creates significant pressure, which can warp the laptop's chassis, push up the keyboard, and damage other nearby components like the trackpad. .

NEW QUESTION: 74

An end user is having trouble printing from an application. The text on the page is unreadable. However, the application prints successfully from a newer computer. Which of the following should be done next?

- A. Reinstall the printer.
- B. Adjust the print tray.
- C. Update the printer driver.
- D. Change the toner.

Answer: ([SHOW ANSWER](#)**)**

Unreadable or garbled text that occurs only from one computer indicates a driver compatibility issue. Updating the printer driver ensures proper translation of application output into a format the printer can correctly process.

NEW QUESTION: 75

Which of the following will most likely be used in a testing environment to execute unauthorized or experimental code without affecting production systems?

- A. Virtual machines
- B. Hybrid cloud
- C. Load balancers
- D. Application gateways

Answer: A ([LEAVE A REPLY](#))

Virtual machines (VMs) are widely used in testing and development environments to provide isolated, contained instances that mimic production systems. This isolation ensures that any unauthorized, experimental, or potentially harmful code executed within the VM does not affect the host operating system or the production network. The VM acts as a "sandbox," allowing for safe testing and analysis.

NEW QUESTION: 76

A user is trying to print diagrams on 11in x 17in (28cm x 43cm) paper. The correct paper is in the printer, but the printer prompts the user to insert paper. A technician assisting the user

successfully prints the diagram to a different printer that is the same model. Which of the following is the most likely cause of this issue on the user's printer?

- A. Tray settings
- B. Incorrect driver
- C. Connectivity issues
- D. Insufficient permissions

Answer: A (LEAVE A REPLY)

If the correct paper is physically loaded but the printer still prompts for paper, the most likely cause is that the paper size configured for the tray does not match the print job. Incorrect tray settings prevent the printer from recognizing that the required 11in x 17in paper is available.

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NEW QUESTION: 77

A technician installs an external camera on a user's laptop. When loading meeting software, the video preview shows a blank screen. What should the technician do next?

- A. Select the correct camera source.
- B. Replace the camera.
- C. Update the camera software.
- D. Check the camera cable.

Answer: A (LEAVE A REPLY)

Most meeting or conferencing applications default to the built-in laptop camera unless manually changed. When an external camera is connected, the software may continue to use the default device, resulting in a blank preview, especially if the internal camera is disabled, covered, or malfunctioning. CompTIA A+ stresses verifying correct device selection when peripherals are installed.

Selecting the correct camera source is a quick, non-invasive test that resolves the issue in the majority of cases. The technician should open the application's video settings and choose the external webcam from the camera dropdown menu.

NEW QUESTION: 78

Which of the following would prevent a virtual machine from communicating with any endpoints on a network or the internet?

- A. VDI

- B. Private cloud
- C. Sandbox
- D. Type 1 hypervisor

Answer: C ([LEAVE A REPLY](#))

A sandbox is an isolated virtual environment used to test or run applications securely without risk to the host or network. It prevents the VM from communicating with external systems, making it ideal for testing malware or suspicious software.

NEW QUESTION: 79

After a technician installs a new motherboard, the computer will not start and fails POST. The technician verifies the power supply is functioning as expected, and the CPU is installed correctly. Which of the following steps should the technician complete next?

- A. Flash the BIOS.
- B. Check the CMOS battery.
- C. Reseat the RAM.
- D. Reinstall the old motherboard.

Answer: ([SHOW ANSWER](#)**)**

A common reason for a POST failure after a motherboard installation is improperly seated RAM. The system requires working memory to successfully complete POST. Reseating (removing and reinserting) the RAM ensures it's making proper contact with the motherboard.

NEW QUESTION: 80

Each time a user tries to print, the paper becomes stuck at the last stage of the print job and the user has to pull the paper out of the printer.

Which of the following is the most likely cause?

- A. Rollers
- B. Tray assembly
- C. Toner
- D. Printhead

Answer: ([SHOW ANSWER](#)**)**

If paper gets stuck at the last stage of printing, the rollers responsible for moving the paper through the printer are likely worn out or dirty.

NEW QUESTION: 81

Which of the following is commonly affected by high latency?

- A. Satellite
- B. Fiber
- C. Cable
- D. DSL

Answer: A ([LEAVE A REPLY](#))

Satellite internet connections are commonly and significantly affected by high latency due to the vast distance signals must travel to and from geostationary satellites in orbit, which is approximately 22,000 miles (36,000 kilometers) each way. This results in a substantial signal delay (round-trip time) that typically ranges from 500 to 600 milliseconds or more.

NEW QUESTION: 82

Which of the following devices is designed to monitor and filter incoming and outgoing network traffic?

- A. Switch
- B. Access point
- C. Firewall
- D. Hub

Answer: (SHOW ANSWER)

A firewall monitors and filters incoming and outgoing network traffic based on security rules, protecting the network from unauthorized access and threats.

NEW QUESTION: 83

An SAS RAID array has severely degraded and gone offline. A systems administrator examines the syslog, and the point of failure is not obvious.

Which of the following techniques should the administrator use to identify the issue (Choose two.)

- A. Run a magnet over each drive.
- B. Check if one of the drives is not level
- C. Listen for clicking and grinding noises
- D. Check the OS logs
- E. Update the RAID controller firmware.
- F. Check the historical SMART data

Answer: C,F (LEAVE A REPLY)

Clicking and grinding noises indicate mechanical drive failure. SMART data provides insights into the health and status of drives, helping identify failing components in the RAID array.

NEW QUESTION: 84

An end user reports that their laptop shuts down when they undock it. Even when using a new charging cable, the issue persists. Which of the following should the technician do next?

- A. Flash the BIOS
- B. Update the drivers
- C. Try a different charger
- D. Replace the battery

Answer: D (LEAVE A REPLY)

If a laptop shuts down when undocked and remains powered off even with a new charging cable, the internal battery is likely faulty and cannot hold a charge. Replacing the battery is the next troubleshooting step.

NEW QUESTION: 85

A company wants its RAID array set up so that it could lose multiple drives and still have redundancy. Which of the following configurations should the company choose?

- A. RAID 0
- B. RAID 1
- C. RAID 5
- D. RAID 6

Answer: D ([LEAVE A REPLY](#))

RAID 6 implements dual parity across the array, allowing any two drives to fail simultaneously without data loss, providing higher fault tolerance than RAID 5.

NEW QUESTION: 86

A user connects their laptop to a projector in a conference room. Once connected, the user reports the screen is smaller at the bottom than at the top. The user tries restarting the laptop and then disconnecting and reconnecting the cable to the projector. Which of the following should a technician do to resolve the issue?

- A. Replace the HDMI cable.
- B. Power cycle the projector.
- C. Adjust the keystone
- D. Increase the resolution.

Answer: C ([LEAVE A REPLY](#))

A distorted image where the screen is not symmetrical (wider at the top or bottom) is typically due to keystone distortion. Adjusting the projector's keystone settings corrects this trapezoidal effect caused by an angled projection.

NEW QUESTION: 87

A user can connect their laptop to the internet in the main office. However, when the user places the laptop on top of a motor on the factory floor, there is no internet connectivity. Which of the following is the most likely cause of this issue?

- A. Jitter
- B. Insufficient power levels
- C. External interference
- D. High latency

Answer: ([SHOW ANSWER](#)**)**

Large electrical motors can emit electromagnetic interference (EMI), which can disrupt wireless signals and prevent connectivity.

NEW QUESTION: 88

When traveling in another country, a user is unable to receive calls or emails on their mobile phone. Which of the following should the technician verify is enabled on the user's device?

- A. Bluetooth connectivity
- B. International eSIM
- C. Personal hotspot
- D. Domestic calling plan

Answer: B ([LEAVE A REPLY](#))

An international eSIM or roaming configuration enables a mobile device to connect to foreign carrier networks, allowing the user to make and receive calls, texts, and access mobile data (including email) while traveling abroad.

NEW QUESTION: 89

A user's wireless headset shows a "connected" status when turned on, but the Bluetooth list on the user's phone shows that the headset is "not connected."

Which of the following should the technician do?

- A. Enter the PIN.
- B. Turn off Wi-Fi.
- C. Re-pair the devices.
- D. Enable Bluetooth.

Answer: C ([LEAVE A REPLY](#))

When a device shows as not connected even though it previously paired, the most effective action is to re-pair the devices. This resets the Bluetooth connection, clears any corruption in pairing profiles, and re-establishes communication.

NEW QUESTION: 90

Which of the following is an example of VDI?

- A. Streaming a GUI to thin clients from a server
- B. Provisioning a sandbox as a test environment
- C. Providing high-performance workstations with a local OS
- D. Launching a virtual machine server on a hypervisor

Answer: ([SHOW ANSWER](#))

VDI hosts desktop environments centrally on a server and delivers the user interface over the network to thin clients - exactly what streaming a GUI to thin clients describes.

NEW QUESTION: 91

Which of the following internet connection types is the best for extremely high data transfer with symmetrical upload and download speeds?

- A. DSL
- B. Cellular
- C. Fiber
- D. Satellite

Answer: C ([LEAVE A REPLY](#))

Fiber optic connections provide the highest data transfer rates and symmetrical upload and download speeds. This makes fiber the ideal choice for applications requiring high-speed connectivity, such as video conferencing, large file transfers, and cloud-based workflows.

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NEW QUESTION: 92

Which of the following connectors can be used to charge most modern mobile devices and may have the capacity to send data audio and video?

- A. Lightning
- B. USB-C
- C. MicroUSB
- D. MiniUSB

Answer: B ([LEAVE A REPLY](#))

USB-C is a versatile connector that supports charging, high-speed data transfer, and the ability to send audio and video signals (e.g., DisplayPort over USB-C).

It is used by most modern mobile devices and laptops because of its fast transfer speeds and power delivery capabilities.

NEW QUESTION: 93

A company purchases a SOHO router for a small office. The new router does not have DHCP. Which of the following address types should the company use so that all computers can communicate on the network?

- A. Static
- B. Public
- C. Dynamic
- D. IPv6

Answer: A ([LEAVE A REPLY](#))

Without DHCP, the router cannot automatically assign IP addresses to devices. Each computer must be manually configured with an IP address, subnet mask, and default gateway, which requires the use of static addressing so all systems can communicate on the network.

NEW QUESTION: 94

A customer is able to print most documents with their USB inkjet printer, but the system is unresponsive when printing a certain report from a custom application. Nothing will print until the computer is restarted and the printer is power cycled. A technician remotes into the PC and confirms that the spooler stops working when this report is sent. After clearing the spooler and reinstalling the drivers from the manufacturer's website, the issue persists. No other sites using the application report similar issues. Which of the following is most likely causing the issue?

- A. The manufacturer is curating content before it reaches the device to preserve ink.
- B. The application has a bug that the developer needs to address.
- C. The system is using the postscript language instead of the PCL.
- D. Personal preferences have changed and documents with graphics are now online-only.

Answer: B ([LEAVE A REPLY](#))

Since the printer and drivers function correctly with all other documents, and the spooler fails only when printing from one specific custom application, the issue likely lies within that application's print-handling code. This indicates a software bug that must be resolved by the application developer.

NEW QUESTION: 95

The display in a conference room has a ghost image that does not match the presentation. Which of the following would test resolve the issue?

- A. Adjust the color settings.
- B. Correct the keystone.
- C. Increase the brightness levels
- D. Replace the monitor.

Answer: ([SHOW ANSWER](#)**)**

A keystone correction adjusts the image shape when a projector is angled either up or down. When a projector is not positioned directly perpendicular to the screen, the image becomes distorted or offset. Correcting the keystone will resolve alignment issues, ensuring that the presentation matches the display.

NEW QUESTION: 96

A user is unable to access secure applications on their tablet when working from home a couple days per week, but the applications work when in the office. Which of the following services most likely needs to be reconfigured to allow for remote work?

- A. Global Positioning System
- B. Mobile device management
- C. Wi-Fi Protected Access
- D. Near-field communication

Answer: B ([LEAVE A REPLY](#))

Mobile Device Management (MDM) software often controls access to corporate resources based on location, network, or VPN status. If the MDM is not configured to allow access from outside the

office or via home networks, the apps may be blocked. This is the most probable cause if apps work only on-premises.

NEW QUESTION: 97

While reviewing options in the BIOS/UEFI settings page to fix a laptop issue, a support technician notices an option to clear existing TPM keys.

Which of the following would most likely happen if the TPM is cleared?

- A. Encrypted hard drives would probably not be accessible.
- B. All security certificates would need to be reinstalled from trusted roots.
- C. The device would need to be reenrolled in the MDM platform
- D. The laptop would need to be registered to the domain as a new client.

Answer: [\(SHOW ANSWER\)](#)

The Trusted Platform Module (TPM) is a hardware-based security feature used to store cryptographic keys, such as those used for encryption, authentication, or device identification. It plays a critical role in ensuring secure operations for encrypted drives, BitLocker, and secure boot processes. Clearing TPM keys involves wiping all stored cryptographic data, which can lead to several consequences depending on what the TPM was being used for.

NEW QUESTION: 98

An IT specialist sets up a new computer for a user who requires a high-end video card and the fastest hard drive possible. Which of the following connectors should the specialist verify are available on the motherboard? (Choose two)

- A. Molex
- B. NVMe
- C. SATA
- D. FireWire
- E. USB-C
- F. PCIe

Answer: B,F [\(LEAVE A REPLY\)](#)

PCIe (Peripheral Component Interconnect Express) is required for high-end video cards. NVMe (Non-Volatile Memory Express) utilizes the M.2 or PCIe interface for the fastest SSD performance.

NEW QUESTION: 99

A recently installed printer is incorrectly aligning printed documents. Which of the following should the technician do first to fix this issue?

- A. Run the maintenance application.
- B. Clean the rollers
- C. Upgrade the firmware
- D. Reinstall the drivers

Answer: A [\(LEAVE A REPLY\)](#)

Most modern printers include a built-in maintenance application that can calibrate the print heads and correct alignment issues. Running this tool is the first step to address misalignment.

NEW QUESTION: 100

Which of the following offers access to business productivity applications for a recurring fee?

- A. SaaS
- B. DaaS
- C. PaaS
- D. IaaS

Answer: A ([LEAVE A REPLY](#))

Software as a Service (SaaS) provides users access to fully managed applications hosted in the cloud. CompTIA A+ explains that SaaS is subscription-based and typically billed monthly or annually, which aligns perfectly with the phrase "recurring fee." Business productivity applications-such as Microsoft 365, Google Workspace, Zoom, Slack, and Salesforce-are classic examples of SaaS offerings.

SaaS applications run entirely in the provider's cloud environment, eliminating the need for installation, maintenance, or management by the customer. This makes SaaS ideal for businesses that need reliable, scalable tools without maintaining their own infrastructure.

NEW QUESTION: 101

Which cloud characteristic allows local folders to contain updates made by users or other devices?

- A. Network share
- B. Synchronization
- C. Availability
- D. Metered utilization

Answer: B ([LEAVE A REPLY](#))

Cloud storage platforms-such as OneDrive, Google Drive, and Dropbox-use synchronization to ensure that files updated on one device automatically update on all connected devices. CompTIA A+ defines synchronization as a key cloud characteristic that keeps local folders and cloud-stored versions consistent, enabling seamless multi-device collaboration.

Synchronization allows users to:

■ Modify files offline and have them sync once online

■ Access identical data on laptops, desktops, and mobile devices

■ Ensure real-time updates across multiple users or clients

■ Maintain version consistency and conflict resolution

NEW QUESTION: 102

Which of the following is an advantage of using a hybrid cloud instead of a public cloud?

- A. Ability to reduce management overhead

- B. Ability to use cross-platform virtualization
- C. Ability to meet data residency requirements
- D. Ability to leverage IaaS and PaaS

Answer: C ([LEAVE A REPLY](#))

A hybrid cloud combines on-premises infrastructure with public cloud services. One significant advantage is that it allows organizations to keep sensitive data in a private environment to meet regulatory or data residency requirements, while still utilizing the scalability and cost-efficiency of the public cloud for other workloads. This ensures compliance with legal mandates about data location.

NEW QUESTION: 103

A company wants to have fast read speeds for its locally stored data. Which of the following configurations has the lowest cost to fulfill this requirement?

- A. RAID 0
- B. RAID 1
- C. RAID 5
- D. RAID 10

Answer: A ([LEAVE A REPLY](#))

RAID 0 (striping) provides the fastest read (and write) speeds at the lowest cost, as all disk capacity is used for storage and performance. However, it offers no redundancy.

NEW QUESTION: 104

A user reports slow internet browsing. The technician finds high CPU and memory usage, and pop-ups occur every minute.

Which of the following should the technician do next?

- A. Escalate to the network team to check end-to-end connectivity.
- B. Download and install the latest drivers.
- C. Update the anti-malware signatures and scan the system.
- D. Check the wireless settings and validate the DHCP configuration.

Answer: C ([LEAVE A REPLY](#))

High resource usage along with frequent pop-ups are strong signs of a malware infection. The next logical step is to update anti-malware definitions and run a full scan to detect and remove threats.

NEW QUESTION: 105

A user's laptop is projecting an image upside down when connected to a ceiling-mounted projector. Which of the following should the technician do to best resolve the issue?

- A. Change the input source
- B. Rotate the image from the laptop
- C. Adjust the display frequency
- D. Flip the image vertically from the projector

Answer: (SHOW ANSWER)

Ceiling-mounted projectors are specifically designed to be installed upside down and have a built-in feature to invert the image vertically so that it appears correctly on the screen. Using this setting on the projector itself is the standard and best method to resolve this specific issue, as it is intended for this installation scenario.

NEW QUESTION: 106

Which of the following technologies should a company implement to track its asset inventory?

- A. RFID
- B. NFC
- C. Bluetooth
- D. Wi-Fi

Answer: (SHOW ANSWER)

RFID (Radio Frequency Identification) uses tags and readers to automatically identify and track assets throughout a facility. It's widely used for inventory management because it allows scanning multiple items quickly without direct line-of-sight.

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NEW QUESTION: 107

Which of the following cloud models exclusively uses dedicated resources?

- A. Community
- B. Hybrid
- C. Private
- D. Public

Answer: (SHOW ANSWER)

A private cloud is built for and used by a single organization, ensuring that all compute, storage, and network resources are dedicated exclusively to that organization and not shared with others.

NEW QUESTION: 108

A user is unable to connect to network resources. A technician discovers that the user's device has an invalid static IP v dress. Which of the following should the technician configure on the user's device to request an IP address?

- A. SSH

- B. FTP
- C. DHCP
- D. DNS

Answer: C ([LEAVE A REPLY](#))

DHCP (Dynamic Host Configuration Protocol) dynamically assigns IP addresses to devices on a network, resolving the issue of an invalid static IP address. Configuring the device to use DHCP allows it to request and receive a valid IP address automatically.

NEW QUESTION: 109

Which of the following minimizes the time it takes to connect a display, keyboard, mouse, and network cable to a laptop?

- A. Lightning interface
- B. Port replicator
- C. USB hub
- D. Bluetooth

Answer: B ([LEAVE A REPLY](#))

A port replicator is designed to allow a user to quickly connect a laptop to multiple peripherals (display, keyboard, mouse, network, etc.) using a single interface, reducing setup time.

NEW QUESTION: 110

A company will retire a legacy application in one year but wants to decommission the physical environment now. Which migration method is best?

- A. Relocating the server to a colocated data center
- B. Performing a physical-to-virtual conversion and hosting on IaaS
- C. Deploying all components using PaaS
- D. Taking a backup and shutting down the server

Answer: B ([LEAVE A REPLY](#))

P2V (physical-to-virtual) conversion allows the legacy application to be moved off its dedicated physical hardware while remaining operational.

Hosting on IaaS (Infrastructure as a Service) means the application runs on virtual servers in a cloud provider's data center, which removes the company's need to maintain a physical environment on-premise.

This approach is ideal for legacy systems nearing retirement because it requires minimal changes to the application itself (often referred to as a "lift and shift" migration), keeping it running for its final year without the burden of managing physical infrastructure.

NEW QUESTION: 111

A user is traveling internationally. They can make and receive phone calls but cannot send or receive email. Which of the following would most likely resolve this issue?

- A. Disabling the GPS
- B. Enabling data roaming

- C. Configuring 4G usage only
- D. Connecting using a hotspot

Answer: B ([LEAVE A REPLY](#))

Voice calls can still go through on the partner networks without data roaming enabled, but mobile email requires a data connection. Turning on data roaming allows the device to use cellular data while abroad, restoring email functionality.

NEW QUESTION: 112

A technician has just installed a new SSD into a computer, but the drive is not appearing. Which of the following is most likely the reason's?

- A. The SSD is faulty and should be replaced by the manufacturer
- B. The SSD has not been properly formatted and is not readable
- C. The SSD is incompatible with the motherboard
- D. The SSD has not been installed properly and should be reseated

Answer: D ([LEAVE A REPLY](#))

Improper seating is the most common reason an SSD isn't recognized. Ensuring it is correctly connected resolves the issue.

NEW QUESTION: 113

A user prints a job from a laser printer. The user wipes the page, and the words and images come off of it. The technician replaces the toner cartridge, but the issue persists. Which of the following components should the technician replace next?

- A. Fuser
- B. Drum
- C. Developer roller
- D. Discharge lamp

Answer: ([SHOW ANSWER](#)**)**

In laser printers, the fuser unit is responsible for melting the toner onto the paper using heat and pressure. If the toner rubs off easily, it's a clear sign the fuser is failing or not heating properly. Replacing the fuser will ensure the toner bonds correctly to the paper.

NEW QUESTION: 114

A healthcare facility is printing government documents on preprinted forms. The output has shifted downward on the paper and the printed data is not aligned with the blank spaces on the forms. Which of the following should a technician do first?

- A. Verify that the correct paper type is loaded into the tray.
- B. Make sure that PostScript drivers are being used.
- C. Check the orientation settings of the printer.
- D. Ensure that the pickup rollers are firmly gripping the paper.

Answer: ([SHOW ANSWER](#)**)**

When printed content is shifted and no longer aligns with preprinted form fields, the most common cause is incorrect page orientation or layout settings. Verifying and correcting the printer's orientation settings ensures the print job aligns properly with the preprinted areas.

NEW QUESTION: 115

A company needs to develop a disaster recovery solution based on virtual machines. Which of the following service models is the most suitable?

- A. Infrastructure as a Service
- B. Security as a Service
- C. Platform as a Service
- D. Software as a Service

Answer: A ([LEAVE A REPLY](#))

Infrastructure as a Service (IaaS) provides virtualized computing resources over the internet such as servers, storage, and networking. It allows a business to quickly spin up virtual machines and is ideal for disaster recovery and scalable IT infrastructure needs.

NEW QUESTION: 116

Which of the following connectors is found on an optical networking cable?

- A. RJ45
- B. LC
- C. USB-C
- D. Lightning

Answer: ([SHOW ANSWER](#)**)**

LC is a type of fiber optic connector commonly used in optical networking cables. It is small, compact, and widely used for high-speed data transfer over fiber optic networks. LC connectors are specifically designed for fiber optic cables, making them the correct answer.

NEW QUESTION: 117

A technician must install a printer at a corporate office for all employees to use. Which of the following is the best option?

- A. Print server
- B. Bluetooth printing
- C. Cloud printing
- D. Wi-Fi Direct

Answer: ([SHOW ANSWER](#)**)**

A print server centrally manages print jobs and allows multiple employees to share the same printer over the corporate network. It provides better control, queue management, and access permissions than direct or ad hoc printing methods.

NEW QUESTION: 118

SIMULATION 3

Laura, a customer, has instructed you to configure her home office wireless access point. She plans to use the wireless network for finances and has requested that the network be setup with the highest encryption possible. Additionally, Laura knows that her neighbors have wireless networks and wants to ensure that her network is not being interfered with by the other networks. She requests that the default settings be changed to the following.

Wireless Name: HomeWiFi

Shared Key: CompTIA

Router Password: Secure\$1

Finally, Laura wants to ensure that only her laptop and Smartphone can connect to the network.

Laptop: IP Address 192.168.1.100

Hardware Address: 00:0A:BF:03:C4:54

Smartphone: IP Address 192.168.1.101

Hardware Address: 09:2C:D0:22:3F:11

INSTRUCTIONS

Configure Laura's wireless network using the network adapter window.

If at any time you would like to bring back the initial state of the situation, please click the Reset All button.

The screenshot shows the 'Library Wireless Configuration' window with the 'WIRELESS SETUP' tab selected. The 'Wireless Network Settings' section includes: 'Enable Wireless' (checked), 'Wireless Network Name' (HomeWiFi), 'Wireless Channel' (1), 'Disable SSID Broadcast' (unchecked), and '802.11g Only Mode' (unchecked). The 'Wireless Security Mode' section includes: 'Security Mode' (Enable WPA2 Wireless Security (enhanced)), 'Passphrase' (CompTIA), and 'Confirmed Passphrase' (CompTIA). A large 'CompTIA' watermark is visible at the bottom.

Library Wireless Configuration	
WIRELESS SETUP NETWORK FILTER ADMINISTRATOR TOOLS	
Wireless Network Settings	
Enable Wireless:	☒
Wireless Network Name:	HomeWiFi (Also called the SSID)
Wireless Channel:	1
Disable SSID Broadcast:	☐
802.11g Only Mode:	☐
Wireless Security Mode	
Security Mode:	Enable WPA2 Wireless Security (enhanced)
Passphrase:	CompTIA
Confirmed Passphrase:	CompTIA

Laura's House

 Wireless Network Name: **Default**
Security Mode: **Open**
Wireless Channel: **11**

 Wireless Network Name: **MyWi**
Security Mode: **WEP**
Wireless Channel: **6**

 Wireless Network Name: **PatsWiFi**
Security Mode: **WEP**
Wireless Channel: **11**

Laura's Wireless Configuration

WIRELESS SETUP **NETWORK FILTER** **ADMINISTRATOR TOOLS**

Wireless Network Settings

Enable Wireless: ☐

Wireless Network Name: (Also called the SSID)

Wireless Channel:
1
2
3
4
5
6
7
8
9
10
11

Disable SSID Broadcast: ☐

802.11g Only Mode: ☐

Wireless Security Mode

Security Mode:
Disable Wireless Security (not recommended)
Disable Wireless Security (not recommended)
Enable WEP Wireless Security (basic)
Enable WPA Wireless Security (enhanced)
Enable WPA2 Wireless Security (enhanced)

Laura's Wireless Configuration

WIRELESS SETUP **NETWORK FILTER** **ADMINISTRATOR TOOLS**

Turn MAC Filtering ON: ☐

Allow the following MAC Addresses
Disallow the following MAC Addresses

☐

☐

☐

☐

Laura's House

Wireless Network Name: **Default**
Security Mode: **Open**
Wireless Channel: **11**

Wireless Network Name: **MyWi**
Security Mode: **WEP**
Wireless Channel: **6**

Wireless Network Name: **PatsWiFi**
Security Mode: **WEP**
Wireless Channel: **11**

Laura's Wireless Configuration

WIRELESS SETUP

NETWORK FILTER

ADMINISTRATOR TOOLS

Please enter the same password into both boxes for confirmation.

Password:

Verify Password:

Answer:

Laura's Wireless Configuration

WIRELESS SETUP

NETWORK FILTER

ADMINISTRATOR TOOLS

Wireless Network Settings

Enable Wireless:

☒

Wireless Network Name:

HomeWiFi

(Also called the SSID)

Wireless Channel:

☒

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Disable SSID Broadcast:

☒

802.11g Only Mode:

☒

Wireless Security Mode

Security Mode:

- Disable Wireless Security (not recommended)
- Enable WEP Wireless Security (basic)
- Enable WPA Wireless Security (enhanced)
- Enable WPA2 Wireless Security (enhanced)

CompTIA

CompTIA

Laura's Wireless Configuration

WIRELESS SETUP

NETWORK FILTER

ADMINISTRATOR TOOLS

Turn MAC Filtering ON: ☐

Allow the following MAC Addresses

Disallow the following MAC Addresses



00:0A:BF:03:C4:54



09:2C:D0:22:3F:11



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Laura's Wireless Configuration

WIRELESS SETUP **NETWORK FILTER** **ADMINISTRATOR TOOLS**

Please enter the same password into both boxes for confirmation.

Password:

Verify Password:

CompTIA

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NEW QUESTION: 119

A user cannot see the office multifunction printer in their laptop's print options. They have printed to the device in the past successfully. The user's laptop is connected to the guest wireless network. Other users on both wireless and wired computers can see and print to the printer. Which of the following will fix the issue?

- A. Power cycle the printer to refresh connectivity.
- B. Reset the closest wireless AP.
- C. Download the printer driver from the manufacturer's website.
- D. Connect the laptop to the corporate Wi-Fi.

Answer: D ([LEAVE A REPLY](#))

If the user is on a guest network and cannot access internal resources like printers, connecting to the corporate Wi-Fi will place the device on the correct subnet to access the printer.

NEW QUESTION: 120

A user is conducting a meeting using a monitor. However, the user notices a transparent image of a clock over the presentation. The technician thinks that the issue is caused by burn-in. Which of the following should the technician do to test this theory?

- A. Replace the DisplayPort cable and verify that the image is gone.
- B. Turn off the monitor to check if the image is still present.
- C. Adjust the refresh rate and examine the monitor.
- D. Use a software tool to attempt the recovery of dead pixels.

Answer: ([SHOW ANSWER](#))

Burn-in is a physical defect where a static image becomes permanently visible on the display. Turning off the monitor helps confirm if the image persists without a video signal - if the ghost image remains visible when powered off, it confirms burn-in.

NEW QUESTION: 121

Which of the following wireless networking technologies primarily operates in the 5GHz frequency band?

- A. Bluetooth
- B. 802.11ac
- C. NFC
- D. RFID

Answer: B ([LEAVE A REPLY](#))

802.11ac is a Wi-Fi standard that primarily operates in the 5GHz frequency band, providing higher throughput, reduced interference, and better performance compared to older 2.4GHz-based standards.

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NEW QUESTION: 122

Which of the following allows for a beam of light to transmit data through a flexible cable?

- A. Coaxial
- B. HDMI
- C. Thunderbolt
- D. Single-mode fiber

Answer: ([SHOW ANSWER](#))

Single-mode fiber (as well as multi-mode fiber) transmits data using beams of light, allowing for high-speed data transfer over flexible fiber-optic cables.

NEW QUESTION: 123

A small business is growing and wants to scale its computing capacity. The business wants to continue using on-site equipment until it is EOL. The solution must be able to share data with the local data center. Which of the following models should a technician suggest?

- A. Public
- B. Community
- C. Hybrid
- D. Private
- E. SaaS

Answer: ([SHOW ANSWER](#))

A hybrid model allows the business to continue using existing on-site equipment while extending computing capacity into the cloud, enabling data sharing between the local data center and cloud resources as the business scales.

NEW QUESTION: 124

Which of the following cables provides the best performance with the least EMI?

- A. Cat 5
- B. Cat 6
- C. Cat 7
- D. Coaxial

Answer: C ([LEAVE A REPLY](#))

Category 7 (Cat 7) cables provide the best performance with the least Electromagnetic Interference (EMI) due to their enhanced shielding. Cat 7 cables are designed to support higher speeds and bandwidth while reducing interference compared to Cat 5 or Cat 6.

NEW QUESTION: 125

A workstation is making clicking sounds inside the case. The UEFI POST takes longer than usual, but the system starts up and all the programs function normally. Which of the following should a technician enable in the UEFI to troubleshoot this issue?

- A. Trusted Platform Module
- B. Hyperthreading
- C. Virtualization extensions
- D. Self-monitoring and Reporting Technology

Answer: D ([LEAVE A REPLY](#))

Clicking sounds and delayed POST commonly indicate a failing hard drive. Enabling Self-Monitoring, Analysis, and Reporting Technology allows the system to monitor drive health and report potential hardware failures, helping diagnose the issue before total drive failure occurs.

NEW QUESTION: 126

A customer reports a problem connecting to network resources. After asking open-ended questions, the technician determines the issue likely exists on the remote server.

Which of the following should the technician do next?

- A. Document the findings.
- B. Test the theory
- C. Gather information
- D. Establish a plan of action

Answer: B ([LEAVE A REPLY](#))

After determining the issue is likely on the remote server, the technician should test the theory to confirm the root cause before proceeding.

NEW QUESTION: 127

Which of the following storage options would a technician most likely recommend to have large amounts of affordable capacity without concern for read times on a desktop computer?

- A. 750GB NVMe M.2 SSD
- B. 2x 1TB PCIe SSD in RAID 1
- C. 2TB SATA 3.5 5,400rpm HDD
- D. 4TB SAS2.5 15,000rpm HDD

Answer: ([SHOW ANSWER](#)**)**

For bulk, cost-effective storage where performance isn't critical, a high-capacity, low-speed SATA HDD offers the best price per gigabyte. A 2 TB, 5,400 RPM drive gives ample space affordably, and slower read times aren't an issue for secondary or archival desktop storage.

NEW QUESTION: 128

Which of the following DNS record types is used to direct email to a mail server?

- A. CNAME
- B. SRV
- C. MX
- D. SOA

Answer: C ([LEAVE A REPLY](#))

An MX (Mail Exchange) record specifies the mail server responsible for receiving email for a domain.

NEW QUESTION: 129

A network administrator must ensure that a printer will still be assigned a specific IP address even if all addresses are depleted.

Which of the following network configuration concepts is this describing?

- A. VLAN
- B. Lease

C. Reservation

D. Exclusion

Answer: C ([LEAVE A REPLY](#))

A DHCP reservation binds a specific MAC address to an IP address so the device always receives the same IP from the DHCP server. This ensures network devices like printers maintain consistent connectivity and availability even when the IP pool is low.

NEW QUESTION: 130

Which of the following can be used by a mobile device to access a secure building?

A. Hotspot

B. Near-field communication

C. Infrared scanner

D. Geolocation

Answer: ([SHOW ANSWER](#)**)**

Near-field communication allows a mobile device to communicate wirelessly over very short distances, making it suitable for secure access control systems such as badge replacement and building entry authentication.

NEW QUESTION: 131

Which of the following virtualization technologies is best suited for running microservices?

A. Containers

B. VDI

C. Type 2 hypervisors

D. Type 1 hypervisors

Answer: ([SHOW ANSWER](#)**)**

Containers provide lightweight virtualization, ideal for deploying microservices because they are isolated, portable, and require fewer resources than traditional VMs.

NEW QUESTION: 132

Which of the following ports is commonly used for remote desktop connections?

A. 137

B. 445

C. 3389

D. 4443

Answer: ([SHOW ANSWER](#)**)**

Port 3389 is used by the Remote Desktop Protocol (RDP) for remote desktop connections in Windows environments. This port allows remote control and management of systems across the network.

NEW QUESTION: 133

Which of the following is designed to be used in commercial spaces?

- A. USB 3.1 Gen 2
- B. Straight tip fiber connector
- C. Plenum cabling
- D. Cat 8

Answer: C ([LEAVE A REPLY](#))

Plenum cabling is designed for use in commercial spaces where cables run through air ducts or plenum spaces, as it has fire-resistant properties and emits less toxic smoke.

NEW QUESTION: 134

A user's company-issued smartphone is swollen and will not fit in its protective enclosure. Which of the following would a technician most likely do?

- A. Replace the battery.
- B. Upgrade the RAM.
- C. Change the case.
- D. Restore to the factory settings.

Answer: ([SHOW ANSWER](#)**)**

A swollen smartphone battery is a sign of chemical degradation and a potential safety hazard. Replacing the battery restores proper fit and ensures safe operation.

NEW QUESTION: 135

A technician has discovered that some users are connected to a network that is not available on the user interface.

Which of the following is the most effective tool the technician can use to identify networks that are not broadcasting SSIDs?

- A. Cable tester
- B. Toner probe
- C. Wi-Fi analyzer
- D. Loopback plug

Answer: C ([LEAVE A REPLY](#))

A Wi-Fi analyzer is a tool used to detect and analyze wireless networks, even those that are not broadcasting their SSIDs (hidden networks).

It provides detailed information about nearby networks, including signal strength, channel usage, and security protocols.

In this case, the Wi-Fi analyzer can identify the hidden networks that users are connected to, which are not visible on the standard user interface.

NEW QUESTION: 136

Which of the following connector types is associated with coaxial terminations serving cable internet deployments?

- A. DB9
- B. ST

C. F-type

D. RJ45

Answer: C (LEAVE A REPLY)

F-type connectors are commonly used to terminate coaxial cables in cable internet, cable TV, and satellite connections.

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NEW QUESTION: 137

A user cannot access the internet from a corporate laptop. All other employees can. The technician reviews the laptop's configuration:

IP Address: 169.254.2.162

Which explains the reason the user cannot access the internet?

A. The subnet mask is misconfigured.

B. The NIC is not using the latest driver.

C. Network settings are only configured to IPv6.

D. The DHCP server is unable to assign an address.

Answer: D (LEAVE A REPLY)

An IP address beginning with 169.254.x.x is an APIPA address (Automatic Private IP Addressing). CompTIA A+ explains that APIPA is assigned automatically by Windows when the NIC cannot reach a DHCP server. This indicates the laptop requested an IP lease but never received one.

APIPA addresses allow only local subnet communication and cannot access the internet, because no default gateway, DNS, or valid subnet configuration is provided. Since all other employees can access the internet, the DHCP server is functioning generally, but it is not delivering an address to this specific laptop-possibly due to cable issues, Wi-Fi authentication failure, DHCP scope exhaustion, or NIC misconfiguration.

NEW QUESTION: 138

A user wants a printer set up for scan-to-email functionality. Which of the following should be configured on the printer to fulfill this request?

A. SMS

B. SMTP

C. SFTP

D. SMB

Answer: B ([LEAVE A REPLY](#))

Scan-to-email requires the printer to send scanned documents through an email server, which is accomplished by configuring Simple Mail Transfer Protocol on the printer.

NEW QUESTION: 139

A customer uses multipart forms in a dot matrix printer. They report that nothing prints on the top page of the multipart form, but the bottom pages print fine. Which of the following should a technician do to resolve the issue?

- A.** Clean the printhead.
- B.** Install a maintenance kit.
- C.** Replace the ribbon.
- D.** Check for broken pins.

Answer: C ([LEAVE A REPLY](#))

In a dot matrix printer, the ribbon transfers ink to the paper when the printhead pins strike it. If the top page of a multipart form does not print clearly while lower pages still show marks, it indicates that the ribbon is worn out and lacks sufficient ink density. Replacing the ribbon restores proper print quality across all pages.

NEW QUESTION: 140

The printer in a main office repeatedly jams. Which of the following tasks should a support technician do to solve the issue?

- A.** Apply a maintenance kit.
- B.** Replace toner or ink cartridges.
- C.** Install a new ribbon.
- D.** Change the printhead.

Answer: A ([LEAVE A REPLY](#))

A maintenance kit includes replacement rollers, separation pads, and fuser components that wear out over time and commonly cause paper jams. Replacing these parts as a group restores proper paper handling and solves recurring jamming issues.

NEW QUESTION: 141

A user reports that their desktop PC does not turn on.

Which of the following components would most likely cause the issue?

- A.** PSU
- B.** GPU
- C.** RAM
- D.** CPU

Answer: A ([LEAVE A REPLY](#))

If a desktop fails to power on entirely, the most probable cause is a faulty Power Supply Unit (PSU). If there are no lights, fans, or POST beeps, the PSU may have failed, cutting off all power to the motherboard and components.

NEW QUESTION: 142

A technician has built a new computer. On the initial startup, the computer passes POST but will not turn on the operating system. Which of the following components has failed?

- A. Audio card
- B. CPU
- C. Power supply
- D. HDD

Answer: D ([LEAVE A REPLY](#))

Since POST verifies that critical hardware (CPU, memory, motherboard, etc.) is functioning, a successful POST followed by failure to load the operating system points to the storage device - i.e., the hard drive - not providing a boot volume.

NEW QUESTION: 143

A user is having issues displaying the contents of their laptop screen on a projector. The laptop is connected using an HDMI cable, but the screen displays a message indicating there is no signal. Which of the following should the technician do first to diagnose the issue?

- A. Check the projector input sources.
- B. Replace the HDMI cable.
- C. Change the resolution of the screen to 1080p.
- D. Verify the HDMI port is not damaged.

Answer: ([SHOW ANSWER](#)**)**

Ensuring the projector is set to the same HDMI input as the laptop is the quickest way to confirm it's actually looking at the correct source before swapping cables or changing settings.

NEW QUESTION: 144

A user with a home office wants to add additional devices to the existing internet service while maintaining minimal cost and administration. Which of the following provides the needed functionality?

- A. DSL modem
- B. Firewall
- C. Unmanaged switch
- D. Cable modem

Answer: ([SHOW ANSWER](#)**)**

An unmanaged switch allows multiple devices to be added to an existing network with minimal cost and no configuration or ongoing administration, making it ideal for a simple home office environment.

NEW QUESTION: 145

A SOHO customer runs an OS on a bare-metal server that has been EOL for almost a decade and is showing signs of failure. The application meets all the customer's needs, and they want to continue using it. However, the developer went out of business, and there is no way to upgrade it. A technician does not think the OS will run on modern hardware. Which of the following will allow the customer to use the application long-term?

- A. Continue to use the current system until failure.
- B. Virtualize the entire system under a compatible hypervisor.
- C. Containerize the application in a multitenant cloud environment.
- D. Clone the disks and run the application from a USB enclosure.

Answer: ([SHOW ANSWER](#))

Virtualizing the entire system under a compatible hypervisor allows the legacy OS and application to run on modern hardware by creating a virtual environment that mimics the original system, ensuring long-term usability despite hardware changes.

NEW QUESTION: 146

Which of the following should a technician check when the display of a computer is flickering?

- A. LCD type
- B. Refresh rate
- C. Screen resolution
- D. Pixel density

Answer: ([SHOW ANSWER](#))

Display flickering is commonly caused by an incorrect or unsupported refresh rate. Checking and adjusting the refresh rate ensures the display updates at a stable frequency supported by both the monitor and graphics adapter.

NEW QUESTION: 147

Which of the following best describes the concept of a DHCP lease?

- A. A definition of the scope of addresses to be assigned to a device on the network
- B. A reservation of an IP configuration for a device on the network
- C. A temporary assignment of an IP configuration to a device on the network
- D. A translation of network names to IP addresses for a device on the network

Answer: ([SHOW ANSWER](#))

A DHCP lease is a temporary assignment of an IP address and other network configuration parameters (such as DNS and gateway) to a device. The lease is renewed periodically to maintain the assignment.

NEW QUESTION: 148

A user reports intermittent latency when accessing an internal website hosted at a remote office. Which of the following should a technician do? (Select two)

- A. Run `ipconfig /all`

- B. Run ping -t
- C. Run nslookup
- D. Examine the physical switchport
- E. Configure QoS
- F. Run tracert
- G. Call ISP

Answer: B,F ([LEAVE A REPLY](#))

When troubleshooting intermittent latency to a remote internal resource, CompTIA A+ recommends using tools that help identify where latency occurs and whether it is consistent or fluctuating over time. The best tools for this scenario are ping -t and tracert.

Ping -t (B) sends continuous ICMP echo requests, allowing the technician to observe packet loss, fluctuating response times, or timeouts. This helps identify intermittent connectivity problems that occur at specific times, such as bandwidth congestion, routing instability, or wireless interference. Tracert (F) maps each hop between the local workstation and the remote office. If latency spikes occur only after a particular hop—such as a VPN tunnel, MPLS gateway, or inter-office router—that device becomes the suspected bottleneck. This makes tracert essential for isolating WAN-related slowdowns.

NEW QUESTION: 149

A technician needs to configure a scan-to-folder capability on a multifunction device. Which of the following services does the technician need to enable this capability?

- A. SMB
- B. FTP
- C. SSH
- D. SMTP

Answer: A ([LEAVE A REPLY](#))

The scan-to-folder function uses the SMB (Server Message Block) protocol to transfer scanned files from the multifunction device to a shared folder on a networked computer or server. SMB allows file sharing and access within local networks.

NEW QUESTION: 150

A systems administrator deploys BitLocker to all devices. However, one of the desktop PCs is not able to encrypt the boot drive.

Which of the following should the administrator check?

- A. TPM
- B. CPU
- C. RAM
- D. HDD

Answer: A ([LEAVE A REPLY](#))

BitLocker Drive Encryption in Windows requires a Trusted Platform Module (TPM) to encrypt the boot drive securely. The TPM is a dedicated microcontroller designed to secure hardware through

integrated cryptographic keys. It validates system integrity during boot and securely stores the encryption keys. If BitLocker cannot find a TPM or it is disabled in BIOS/UEFI, drive encryption cannot proceed. BitLocker can function without TPM using a USB startup key, but this compromises some security and is not recommended for managed enterprise environments.

NEW QUESTION: 151

Which of the following resolutions is commonly known as Ultra HD?

- A. 1920x1080
- B. 2048x1080
- C. 3840x2160
- D. 7680x4320

Answer: ([SHOW ANSWER](#))

Ultra HD (UHD), also referred to as 4K UHD, has a resolution of 3840x2160. It's four times the resolution of standard 1080p (Full HD), offering more screen real estate and sharper images.

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NEW QUESTION: 152

Which of the following cable types is used to connect a display?

- A. DVI
- B. RJ45
- C. SATA
- D. USB 1.1

Answer: A ([LEAVE A REPLY](#))

DVI (Digital Visual Interface) is specifically designed to carry video signals from a computer's graphics card to a display device.

NEW QUESTION: 153

A technician receives complaints that a network fileshare is slow and now unavailable. The server is powered on and accessible via RDP. What should the technician check next?

- A. RAID array status
- B. Data backup integrity
- C. Network connectivity
- D. Available memory

Answer: ([SHOW ANSWER](#))

The fileshare performance has degraded from slow to unavailable, while the server itself remains remotely accessible via RDP. This indicates a problem with the storage system rather than network connectivity to the server itself or basic server operation. A failed or degraded RAID array can cause a gradual slowdown and eventual failure of disk access, leading to the observed symptoms. Checking the RAID status is the most logical next step to pinpoint the storage issue.

NEW QUESTION: 154

A company policy change requires all computers to be encrypted. Which of the following technologies should a technician configure to meet this new requirement?

- A. NVMe
- B. RISC
- C. ARM
- D. TPM

Answer: D ([LEAVE A REPLY](#))

A Trusted Platform Module (TPM) is a hardware chip used to enable encryption technologies such as BitLocker, providing secure key storage for system-wide encryption.

NEW QUESTION: 155

Employees are concerned about sensitive data being printed on a shared multifunction printer located in a high-traffic hallway. Which of the following should a technician do to address this concern?

- A. Set up a PIN for user authentication at the printer
- B. Relocate the printer to an unused office space
- C. Configure printing of sensitive data through a specific tray
- D. Schedule print jobs to be released at certain times

Answer: A ([LEAVE A REPLY](#))

PIN printing (also known as secure printing) ensures that documents are held in a queue until the authorized user enters a PIN directly at the printer. This prevents unauthorized viewing of confidential documents.

NEW QUESTION: 156

A user reports that, despite manually changing the date and time on a computer, the changes always revert after the computer is turned off for a period of time. Which of the following should the technician consider first?

- A. OS updates
- B. CMOS battery
- C. NTP server
- D. RAM

Answer: ([SHOW ANSWER](#))

The CMOS battery powers the real-time clock (RTC) on the motherboard, which maintains the date and time when the computer is turned off. If the battery fails, the system will lose date and time settings, reverting to defaults on restart.

NEW QUESTION: 157

A customer reports slow network speeds. Which of the following components is most likely failing?

- A. CPU
- B. NIC
- C. HDD
- D. RAM

Answer: B ([LEAVE A REPLY](#))

A Network Interface Card (NIC) is the hardware responsible for network connectivity. If the NIC is failing or underperforming (e.g., due to a bad driver, hardware fault, or misconfiguration), it can cause slow or unstable network speeds.

NEW QUESTION: 158

When installing a network printer, a technician needs to ensure the printer is available after a network is restarted.

Which of the following should the technician set up on the printer to meet this requirement?

- A. Static IP address
- B. Private address
- C. Wi-Fi on the printer
- D. Dynamic addressing

Answer: A ([LEAVE A REPLY](#))

Assigning a static IP address to a network printer ensures it always retains the same address, allowing users and print servers to consistently reach it even after a reboot or network refresh.

NEW QUESTION: 159

A technician wants to upgrade a computer to a new Windows version. The Windows Upgrade Advisor states that the computer is not compatible with the new Windows version due to a lack of TPM 2.0 support.

Which of the following should the technician do next?

- A. Enable the module in the UEFI BIOS.
- B. Install an HSM in the computer.
- C. Perform a clean Install of the new Windows version.
- D. Implement BitLocker on the computer.

Answer: A ([LEAVE A REPLY](#))

TPM 2.0 (Trusted Platform Module) is often disabled by default in the UEFI BIOS. Enabling it is necessary to meet the requirements for certain Windows installations, including Windows 11.

NEW QUESTION: 160

An employee requires a workstation with three high-end graphics cards to render 3-D models. A technician must choose a power supply that meets the power requirements for the components and takes into consideration the mission-critical nature of the work. Which of the following meet the requirements? (Choose two.)

- A. 12V output
- B. Modularity
- C. 20-pin motherboard connector
- D. Redundancy
- E. 3.3V output
- F. 240 VAC input

Answer: ([SHOW ANSWER](#))

High-end graphics cards draw the majority of their power from the 12V rail, making sufficient and stable 12V output essential to meet performance and load requirements. Redundancy is critical for mission-critical workstations to ensure continued operation and prevent downtime in the event of a power supply failure.

NEW QUESTION: 161

A user replaces their PC power supply and connects it to the components, but the PC fails to start. What is the most likely cause?

- A. The computer requires additional RAM
- B. The wattage is insufficient
- C. The 4-pin CPU power connector is not connected
- D. The PSU only works in redundant setups

Answer: C ([LEAVE A REPLY](#))

Modern motherboards require both the 24-pin ATX connector and a 4-pin or 8-pin CPU power connector. If the CPU power connector is not attached, the motherboard will receive power but the system will not boot. CompTIA A+ specifically lists this as a common mistake after replacing a power supply.

Insufficient wattage may cause instability, but usually the system still attempts to start. RAM does not prevent power-on if missing; instead, the system produces beep codes. Redundant PSUs are used in servers, not standard desktops.

NEW QUESTION: 162

Which of the following connector types would best suit a company that experiences a large volume of internet traffic?

- A. USB 3.1
- B. Quad-shielded RG11 coax
- C. SATA3.0
- D. Unshielded plenum RJ45

Answer: B ([LEAVE A REPLY](#))

RG11 coaxial cable with quad shielding is designed to handle large volumes of internet traffic, providing excellent resistance to interference and high bandwidth capacity.

NEW QUESTION: 163

An employee cannot connect to the wireless network at the office but can connect to a personal wireless network when at home. The technician verifies the wireless network name is correct, and the signal strength appears to be strong. Which of the following is the best action for the technician to take to resolve the issue?

- A. Install the current 802.1X certificate.
- B. Check the wireless router settings.
- C. Update the wireless driver.
- D. Disable the Windows firewall.

Answer: A ([LEAVE A REPLY](#))

802.1X is a network authentication protocol commonly used in enterprise environments. If the user cannot connect to the office wireless network but can connect at home, the issue is likely related to the 802.1X certificate required for authentication. Installing or updating the certificate will resolve the issue.

NEW QUESTION: 164

Which of the following is an email authentication method designed to detect email spoofing by attaching a digital signature to outgoing email?

- A. SPF
- B. DKIM
- C. DNS pointer
- D. MX records

Answer: ([SHOW ANSWER](#)**)**

DKIM (DomainKeys Identified Mail) is an email authentication method that attaches a digital signature to outgoing emails to verify the email's authenticity and detect email spoofing.

NEW QUESTION: 165

Which of the following best characterizes a plenum-rated cable?

- A. Resistant to fire
- B. Avoids electromagnetic interference
- C. Exclusively used for external installations
- D. Up to 1GB of speed

Answer: A ([LEAVE A REPLY](#))

Plenum-rated cables are designed with special fire-resistant and low-smoke materials, making them safe for use in air-handling spaces such as ceilings or ducts where fire safety standards are critical.

NEW QUESTION: 166

Several storms cause mission-critical servers to go offline unexpectedly. A server also goes offline suddenly due to hardware failure. Upon assessment, the company purchases new UPSs to condition power and allow the OSs to shut down gracefully in the event of a power failure. However, the UPSs are delayed due to supply chain issues.

Which of the following can balance a cost-effective solution with uptime requirements?

- A. Purchasing backup generators
- B. Increasing input voltage
- C. Installing redundant PSUs
- D. Activating a hot site

Answer: C (LEAVE A REPLY)

Redundant PSUs provide fault tolerance by ensuring that if one power supply fails, another will take over seamlessly.

This is a cost-effective way to increase uptime while waiting for the UPSs to arrive.

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NEW QUESTION: 167

All VoIP phone users at a call center report that they get distorted audio and drops in conversations during peak working hours. A technician updates the firmware on the phones, but the issue persists. Which of the following should the technician do next?

- A. Replace all the patch cables.
- B. Verify that the users' extensions are in the correct call groups.
- C. Reset the phones to factory settings and provision them.
- D. Ask the network team to check the VLAN for QoS.

Answer: D (LEAVE A REPLY)

Distorted audio and dropped calls affecting all users during peak hours indicate network congestion rather than device configuration issues. Verifying that the voice VLAN has proper Quality of Service ensures VoIP traffic is prioritized over other network traffic, preventing packet loss and latency that degrade call quality.

NEW QUESTION: 168

Which of the following cable types can be used to transfer data and video?

- A. USB-C
- B. HDMI

C. DisplayPort

D. VGA

Answer: A ([LEAVE A REPLY](#))

USB-C is a versatile connector capable of transmitting data, video, audio, and power. With standards like DisplayPort over USB-C or Thunderbolt 3/4, it can be used for external displays, file transfers, charging, and more -- all through one cable.

NEW QUESTION: 169

A user reports that a phone's integration features consistently stop and restart when charging the phone in a car. A technician checks the phone and finds no malicious applications. Which of the following should the technician do to fix the issue?

A. Clean the connection port.

B. Replace the cable with a longer cable.

C. Reinstall MDM software on the phone.

D. Discharge the battery.

Answer: A ([LEAVE A REPLY](#))

Cleaning the connection port can resolve issues caused by dirt, debris, or corrosion interfering with the phone's charging and data connection, which can cause integration features to stop and restart.

NEW QUESTION: 170

A software developer wants to test a new application in an environment that limits access to the OS. Which of the following should the developer implement?

A. Container

B. Type 2 hypervisor

C. VDI

D. Quarantined PC

Answer: A ([LEAVE A REPLY](#))

A container provides an isolated application environment that shares the host operating system while restricting direct access to the OS, making it ideal for testing applications with minimal overhead and controlled access.

NEW QUESTION: 171

Which of the following connectors supports High-bandwidth Digital Content Protection (HDCP)?

A. DVI-A

B. F-type

C. VGA

D. DisplayPort

Answer: D ([LEAVE A REPLY](#))

DisplayPort supports HDCP (High-bandwidth Digital Content Protection), which encrypts digital signals to prevent unauthorized copying of protected media during transmission between devices.

NEW QUESTION: 172

A user's computer can connect to internal network resources but cannot access websites on the internet. Other users on the same network do not have this issue. Which of the following should a technician do first to troubleshoot the issue?

- A. Verify the computer's DNS settings.
- B. Replace the network cable.
- C. Restart the DHCP server.
- D. Adjust the firewall rules on the router.

Answer: [\(SHOW ANSWER\)](#)

Since the user can access internal resources but not external websites, the issue likely lies with DNS resolution. Checking and correcting the computer's DNS settings ensures it can properly resolve domain names to IP addresses for internet access.

NEW QUESTION: 173

A customer reports their tablet was recently dropped on the ground. The tablet has a small crack in one corner of the display, and it does not charge when plugged in.

Which of the following should a technician do first?

- A. Perform a hard restart.
- B. Replace the battery
- C. Inspect the USB-C port for damage
- D. Run diagnostics on the digitizer

Answer: [C \(LEAVE A REPLY\)](#)

Physical damage from dropping a tablet may often affect ports or connectors. Before taking deeper diagnostic or replacement steps, it's important to visually inspect the USB-C charging port for damage or debris. If the port is damaged, charging issues can occur regardless of battery health.

NEW QUESTION: 174

A technician is troubleshooting an HDMI over Ethernet solution. The network link lights on the transmitter and receiver are both active. The TV that is connected to the receiver unit is getting audio, but video is intermittently flashing. Which of the following should the technician check next to find the source of the issue?

- A. HDMI signal source
- B. PoE power
- C. Firmware on TV
- D. Network cable termination

Answer: [D \(LEAVE A REPLY\)](#)

Intermittent video over an Ethernet extender is most often caused by a poor-quality or improperly terminated cable. Verifying proper terminations and cable integrity will resolve the flashing video issue.

NEW QUESTION: 175

A technician is troubleshooting issues occurring on a user's mobile device. Applications and the OS have slow response times, even when performing simple tasks, such as writing an email. Additionally, new applications occasionally fail to launch. Which of the following should the technician do next?

- A. Move the device to a room with a colder temperature.
- B. Close unnecessary programs.
- C. Reset to factory default settings.
- D. Check the battery health of the device.

Answer: ([SHOW ANSWER](#))

The symptoms -- slow response and failed app launches -- indicate that the device's memory or processing resources are over utilized. Closing unnecessary apps can free up RAM and CPU resources, improving performance.

NEW QUESTION: 176

Which of the following tools will a technician most likely use to identify an unlabeled network connection?

- A. Network tap
- B. Loopback plug
- C. Cable tester
- D. Toner probe

Answer: ([SHOW ANSWER](#))

A toner probe is used to trace and identify unlabeled network cables by sending a signal through the cable and detecting it at the other end, making it ideal for locating specific connections.

NEW QUESTION: 177

Which of the following cloud characteristics allows local folders to contain updates that are made by users on other devices?

- A. Network share
- B. Synchronization
- C. Availability
- D. Metered utilization

Answer: B ([LEAVE A REPLY](#))

Synchronization ensures that changes made to files on one device are automatically updated and reflected in local folders on other devices connected to the same cloud service.

NEW QUESTION: 178

An engineer must implement a solution to facilitate and maintain an organization's legacy application until it is retired. The application is currently hosted on three physical servers. Which of the following is the most suitable concept for this purpose?

- A. SAN
- B. FaaS
- C. Virtualization
- D. Configuration management platform

Answer: C ([LEAVE A REPLY](#))

Virtualization allows the legacy application to be consolidated from multiple physical servers into virtual machines, reducing hardware dependency while maintaining the existing environment until the application is retired.

NEW QUESTION: 179

A company purchases a new printer for an international office. When a technician installs the printer, the display only shows a white screen. Which of the following should the technician do to troubleshoot the issue?

- A. Check network port connectivity.
- B. Verify the printer's power requirements.
- C. Ensure the printer is in the correct organizational unit.
- D. Upgrade the printer's firmware.

Answer: B ([LEAVE A REPLY](#))

Different countries use different voltage standards and plug types. A white or blank screen on a newly installed printer often indicates incorrect power input. Verifying and matching the printer's power requirements to the local electrical standard ensures proper operation and prevents hardware damage.

NEW QUESTION: 180

A developer wants to ensure that their critical data is protected from a hard drive failure. Their workstation has two hard drives. Which of the following should the developer use for their workstation?

- A. RAID 0
- B. RAID 1
- C. RAID 5
- D. RAID 10

Answer: B ([LEAVE A REPLY](#))

RAID 1 (mirroring) duplicates data across two drives, ensuring that if one hard drive fails, the other retains an exact copy. This provides data redundancy and protection, ideal for safeguarding critical information on a workstation with two drives.

NEW QUESTION: 181

Which of the following should a technician use to terminate a Cat 6 cable to a patch panel?

- A. Punchdown tool
- B. Crimper
- C. Toner probe

D. Network tap

Answer: ([**SHOW ANSWER**](#)**)**

A punchdown tool is specifically used to insert wires into a punchdown block in patch panels, which is typical for Cat 6 and similar cabling. It ensures a secure and correct connection by pushing the wire into a metal groove that slices the insulation.

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NEW QUESTION: 182

Which of the following record types is used to create an alias for a domain?

- A. CNAME**
- B. AAAA**
- C. TXT**
- D. A**

Answer: A ([**LEAVE A REPLY**](#)**)**

A CNAME (Canonical Name) record is used in DNS to create an alias that maps one domain name to another canonical domain name. CNAME records allow multiple hostnames to reference the same IP address indirectly by pointing to a single authoritative domain name.

NEW QUESTION: 183

Which of the following utilizes specialized ports on a laptop to expand the local connection options?

- A. NFC adapter**
- B. Docking station**
- C. Port replicator**
- D. USB dongle**

Answer: ([**SHOW ANSWER**](#)**)**

A docking station connects to a laptop's proprietary port or USB-C/Thunderbolt, providing access to multiple additional ports(USB, Ethernet, video, audio, etc.). It allows users to transform a laptop into a full desktop workstation.

NEW QUESTION: 184

An employee who travels worldwide wants a workstation to perform the same whether the workstation is in the corporate office environment or elsewhere.

Which of the following should a technician implement?

- A. Public cloud
- B. SaaS
- C. VDI
- D. SSH

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 185

When trying to print, a is offline. Other users can print to the same printer without error. Which of the following is the first step the technician should take to resolve this issue?

- A. Check the user's print queue settings.
- B. Check the printer's IP address.
- C. Check the user's network settings.
- D. Check the printer's firmware version.

Answer: ([SHOW ANSWER](#))

When a printer is offline for one user but works for others, the issue often lies in the user's print queue settings, such as a paused queue or failed print jobs. Checking and clearing the print queue can resolve the problem.

NEW QUESTION: 186

A technician is troubleshooting a workstation that repeatedly shuts down within ten minutes of being turned on. The technician notices a loud clicking sound coming from inside the case. Which of the following components should the technician check first?

- A. Exhaust fan
- B. Capacitors
- C. CPU fan
- D. Intake fan

Answer: C ([LEAVE A REPLY](#))

A failing CPU fan may make unusual noises (including clicking) and, if it is not cooling the CPU, the system will quickly overheat and shut down to prevent damage.

NEW QUESTION: 187

Which of the following is designed for interaction to take place via an OS running on the host rather than the host directly?

- A. Type 1 hypervisor
- B. Type 2 hypervisor
- C. Elasticity
- D. Multitenancy

Answer: ([SHOW ANSWER](#))

A Type 2 hypervisor runs on top of a host operating system and relies on that OS for hardware interaction. Virtual machines (VMs) operate within this environment, making the interaction occur through the host OS rather than directly with the hardware.

NEW QUESTION: 188

Which of the following types of RAM is best suited to handle errors within the module itself?

- A. DIMM
- B. Dual channel
- C. ECC
- D. SODIMM

Answer: [\(SHOW ANSWER\)](#)

Error-Correcting Code (ECC) RAM includes additional parity bits and logic to detect and correct single-bit errors on the fly, ensuring data integrity within the memory module.

NEW QUESTION: 189

A technician is installing a new printer. After registering the printer, the technician receives an email from the manufacturer stating there is a security vulnerability that can be remediated.

Which of the following steps should the technician take next?

- A. Disable wireless connectivity.
- B. Enable audit logging.
- C. Update the firmware.
- D. Disable the default gateway on the printer.

Answer: [C \(LEAVE A REPLY\)](#)

Firmware updates from the manufacturer often include security patches that remediate known vulnerabilities. Applying the update ensures the printer's software is hardened against the issue before it can be exploited.

NEW QUESTION: 190

Which of the following types of RAM is most likely used in data centers and in high-performance machines?

- A. ECC
- B. Single-channel
- C. Unbuffered
- D. RDIMM

Answer: [D \(LEAVE A REPLY\)](#)

Registered DIMMs are designed for stability and scalability in environments with large amounts of memory. They reduce the electrical load on the memory controller, making them well suited for data centers and high-performance systems that require high capacity and reliability.

NEW QUESTION: 191

Which of the following tools is best to track where an Ethernet cable is patched?

- A. Crimper
- B. Punchdown tool
- C. Cable stripper
- D. Toner probe

Answer: D ([LEAVE A REPLY](#))

A toner probe (also known as a tone generator and probe) is the best tool for tracing and identifying cables in a patch panel or wall jack. The tone generator sends a signal through the wire, and the probe helps locate the cable by detecting the tone.

NEW QUESTION: 192

A user connects a PC to a projector and configures the projector to use HDMI. However, when the user tries to use the projector, the projector shows a black screen with the message "HDMI2 no signal found." The user reports that the projector worked properly during a previous meeting. Which of the following should the user do to fix the issue?

- A. Replace the bulb.
- B. Swap the video cable.
- C. Change the input source.
- D. Update the video drivers.

Answer: C ([LEAVE A REPLY](#))

The error message "HDMI2 no signal found" indicates that the projector is set to an input source that is not currently receiving a video signal. Input source selection is one of the first items to verify when an external display shows a black screen but powers on correctly.

Many projectors have multiple HDMI ports (HDMI1, HDMI2, etc.). If the PC is connected to a different HDMI port than the one currently selected, the projector will display a "no signal" message even though the cable and device are functioning properly. Changing the input source to match the connected HDMI port resolves the issue quickly.

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