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The Power of Knowing



**Exam : 642-371**

**Title : Foundation Express for Systems Engineers**

**Ver : 10.24.07**

**QUESTION 1:**

**DRAG DROP**

You work in the Certkiller .com support staff. You need to explain the security appliance feature for Certkiller .com. Match the feature with the appropriate description.

**Features, select from these**

- |                             |                        |
|-----------------------------|------------------------|
| Multimedia policy framework | Application inspection |
| Transparent firewall        | Security context       |
| Active/standby failover     | Active/active failover |

**Definitions**

- Supports security appliance functionality in a secure bridging mode
- Enables creation of multiple virtule firewalls within a single security appliance
- Provides protection for a wide variety of Voice over IP protocols
- Provides unit level high availability

**Features, place here**

- Place here
- Place here
- Place here
- Place here

Answer:

**Features, select from these**

- Multimedia policy framework

- Active/active failover

**Definitions**

- Supports security appliance functionality in a secure bridging mode
- Enables creation of multiple virtule firewalls within a single security appliance
- Provides protection for a wide variety of Voice over IP protocols
- Provides unit level high availability

**Features, place here**

- Transparent firewall
- Security context
- Application inspection
- Active/active failover

**QUESTION 2:**

Which two of these items best describe the benefits of RF management for the wireless core feature set using autonomous access points? (Choose two.)

- A. Rogue AP detection extends only to the boundaries of the Basic Service Set.
- B. Access points can monitor RF while passing client data.
- C. Radio management information is aggregated at the WLSE and graphically displayed at the Location Manager appliance.
- D. RF management can detect, isolate, and mitigate root access points.
- E. Access points must be in sensor scanning mode and with no client data traffic.

Answer: B,D

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**QUESTION 3:**

Deploying ISRs with integrated security services can help lower the total cost of ownership. Which of these Cisco ISR Routers features illustrate this point?

- A. using built-in on-board VPN acceleration to reduce the amount of VPN configuration tasks
- B. using the USB port to perform fast Cisco IOS image upgrade
- C. using the security audit feature to implement inline Intrusion Prevention System
- D. using the SDM configuration tool to reduce training costs
- E. using the high performance AIM to increase the Cisco IOS Firewall performance

Answer: D

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**QUESTION 4:**

Which of these is the Cisco IOS Firewall feature that provides secure, per-application access control across network perimeters?

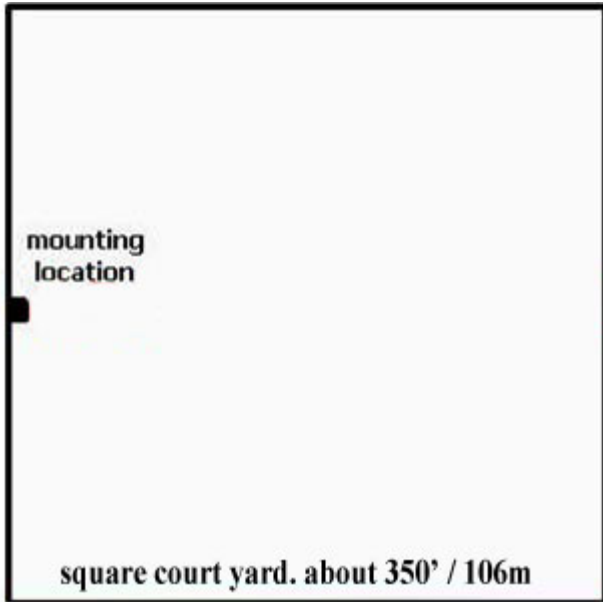
- A. DDoS Mitigation
- B. Cisco Security Agent
- C. Intrusion Prevention System
- D. Authentication Proxy
- E. Context-based Access Control
- F. Monitoring, Analysis and Response System

Answer: E

---

**QUESTION 5:**

Exhibit:



A client must provide wireless coverage for a square courtyard. Each side of the courtyard measures 350 feet (106 meters). The height of the walls is 25 feet (7.6 meters). The only available mounting point for the antenna is in the center of one of the courtyard walls, which is about 12 feet (3.5 meters) from the ground. What is the best antenna to use for maximum courtyard coverage?

- A. 2.2 dBi omni
- B. 6 dBi patch
- C. 13.5 dBi Yagi
- D. 21 dBi dish

Answer: B

---

**QUESTION 6:**

Which three of these features are supported on the Cisco VPN software client release 4.0.5? (Choose three.)

- A. application programming interface which allows you to control operation of the VPN client from another application
- B. integrated personal firewall
- C. transparent tunneling-IPSec over UDP and IPSec over TCP
- D. provides automatic software updates for Windows 2000 and Windows XP
- E. load balancing and backup server support

Answer: B,C,E

---

**QUESTION 7:**

How does the Cisco IOS IPS feature set monitor the network for malicious activity?

- A. passive "bird-on-a-wire" packet inspection
- B. deep inline packet inspection
- C. Security Device Event Exchange (SDEE) packet inspection
- D. out-of-band (OOB) packet inspection

Answer: B

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**QUESTION 8:**

Certkiller .com has a basic stateful firewall setup that only permits incoming traffic from the Internet to an internal web server. What are the security risks if the firewall being used does not perform advanced application inspection and control like the ASA Security Appliance does? (Choose all that apply.)

- A. Allowing all return traffic from the internal web server back out to the Internet may increase the risk of worm propagation.
- B. Peer-to-peer or instant messaging traffic using port 80 may exhaust the network capacity.
- C. Not validating port 80 traffic content may increase the risk of malware infection.
- D. Denial of service attacks launched against port 80 of the internal web server can bring down the web server.
- E. If the firewall cannot perform deep packet inspection, the firewall cannot properly classify the HTTP and HTTPS traffic. This may lead to connectivity issues from the Internet to the internal web server.

Answer: B,C,E

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**QUESTION 9:**

Which Cisco security tool can determine if a Cisco ISR Router is properly secured?

- A. Cisco Security MARS
- B. SDM security audit
- C. CSA
- D. CSA MC
- E. VMS

Answer: B

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**QUESTION 10:**

Which two of these statements best describe the benefits of Cisco's wireless IDS functionality? (Choose two.)

- A. AirDefense for wireless IDS is required by autonomous APs.
- B. 2.4GHz RF management can monitor both 802.11 and non-802.11 RF interference.
- C. APs only monitor the RF channels that are servicing the clients.
- D. Cisco or CCX compatible client cards can extend the RF IDS service for autonomous APs.
- E. Autonomous APs must be dedicated IDS sensors while lightweight APs can combine client traffic and RF monitoring.

Answer: B,D

---

**QUESTION 11:**

Which Cisco Catalyst Series switch is designed for enterprise LAN access, branch offices, Layer 3 distribution points, small- and medium-sized businesses, and metropolitan Ethernet deployments?

- A. 2900
- B. 3550
- C. 4500
- D. 6500
- E. 8800

Answer: C

---

**QUESTION 12:**

Which statement concerning the Active/Active failover feature is correct?

- A. ASA Security Appliance failover pair must have either an Unrestricted and UR license or a UR and FO-A/A license to be able to support Active/Active failover.
- B. If an active security context within the primary security appliance "fails", the status of the primary security appliance unit changes to "failed" while the secondary failover security appliance unit transitions to "active."
- C. Active/Active failover is supported in "multiple mode" configuration only.
- D. Active/Active failover supports site-to-site IPSec VPN stateful failover.

Answer: C

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**QUESTION 13:**

Which tools on Cisco.com could you use to plan for correct Cisco IOS images to support Certkiller .com's security design and requirements? (Choose two.)

- A. Cisco IOS Matrix Navigator
- B. Cisco Feature Navigator

- C. Cisco IOS Package Planner
- D. Cisco IOS Security Planner
- E. Cisco Dynamic Configuration Tool

Answer: B,C

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**QUESTION 14:**

What is the benefit of using the Cisco Easy VPN Server feature along with the Cisco software VPN client for implementing remote-access VPNs?

- A. The Cisco Easy VPN Server feature and the Cisco software VPN client use the same GUI configuration tool to simplify remote-access VPN configurations.
- B. The Cisco Easy VPN Server feature allows the Cisco software VPN client to receive its security policies from the central site VPN device. This minimizes the configuration requirements at the remote location for large remote access VPN deployments.
- C. The Cisco Easy VPN Server feature and the Cisco software VPN client use hardware-based encryption to reduce the CPU overhead of the central site VPN router.
- D. The Cisco Easy VPN Server feature and the Cisco software VPN client enable scalable remote-access VPNs deployment by using a thick client/thin server model where the central site VPN router can handle thousands of incoming VPN connections.

Answer: B

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**QUESTION 15:**

Regarding the USB eToken module supported on the Cisco ISR series of routers, which three of these are correct? (Choose three.)

- A. The storage size is 32KB.
- B. The storage size is 128MB.
- C. It is used for Cisco IOS image storage.
- D. Files can be encrypted and accessed via a PIN.
- E. The USB eToken feature is a Cisco proprietary feature.
- F. A bootstrap configuration can be stored in its unprotected space.

Answer: A,D,F

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**QUESTION 16:**

Which of these is a benefit of an integrated security management system?

- A. It provides configuration, monitoring, and troubleshooting capabilities across a

wide range of security products.

B. It integrates security device management products and collects events on an "as needed" basis to reduce management overhead.

C. It integrates security management capabilities into the router or switch.

D. It provides a single point of contact for all security configuration tasks thereby enhancing the return on investment.

E. It leverages existing network management systems such as HP OpenView to lower the cost of implementation.

Answer: A

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**QUESTION 17:**

Which two of these statements best describe the benefits of WPAv1? (Choose two.)

A. SSID broadcast prevention

B. improved mutual authentication

C. improved encryption through AES

D. improved protection against sniffing initialization vectors

E. RF jamming prevention

Answer: B,D

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**QUESTION 18:**

DRAG DROP

Your Certkiller Trainee Sandra is curious about Cisco security features. You are required to match the security feature with the appropriate function.

**Features, select from these**

Intrusion Prevention System

Authentication Proxy

Context-based Access Control

Monitoring, Analysis and Response System

**Function**

**Features, place here**

Allows network administrators to apply specific policies on a per-user basis

Place here

Provides advanced traffic meaning functionality and servers as an integral part of your network's security

Place here

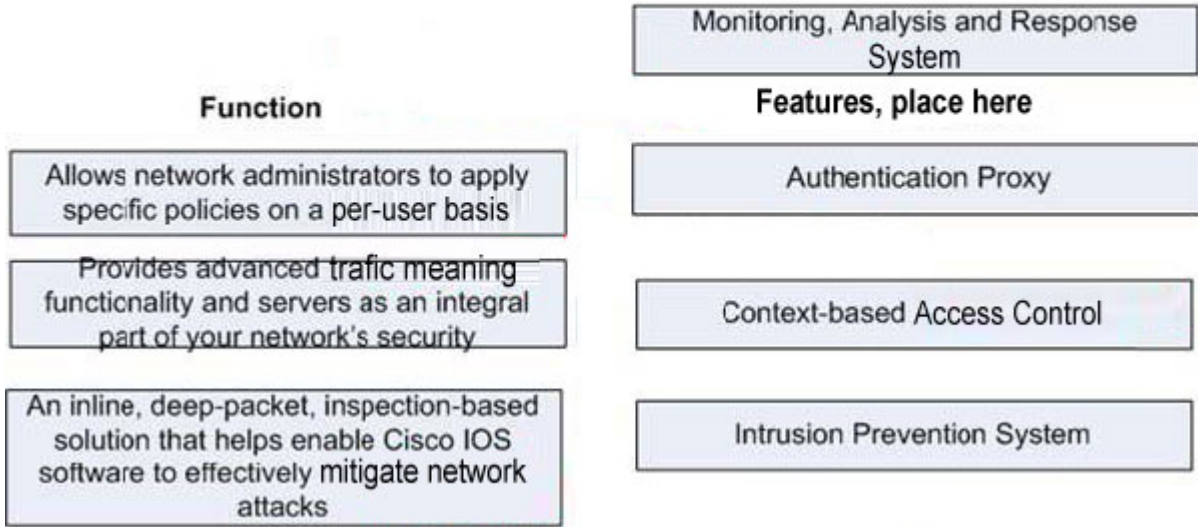
An inline, deep-packet, inspection-based solution that helps enable Cisco IOS software to effectively mitigate network attacks

Place here



Answer:

**Features, select from these**



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**QUESTION 19:**

What are three advantages of the Cisco Integrated Services Router product family?  
(Choose three.)

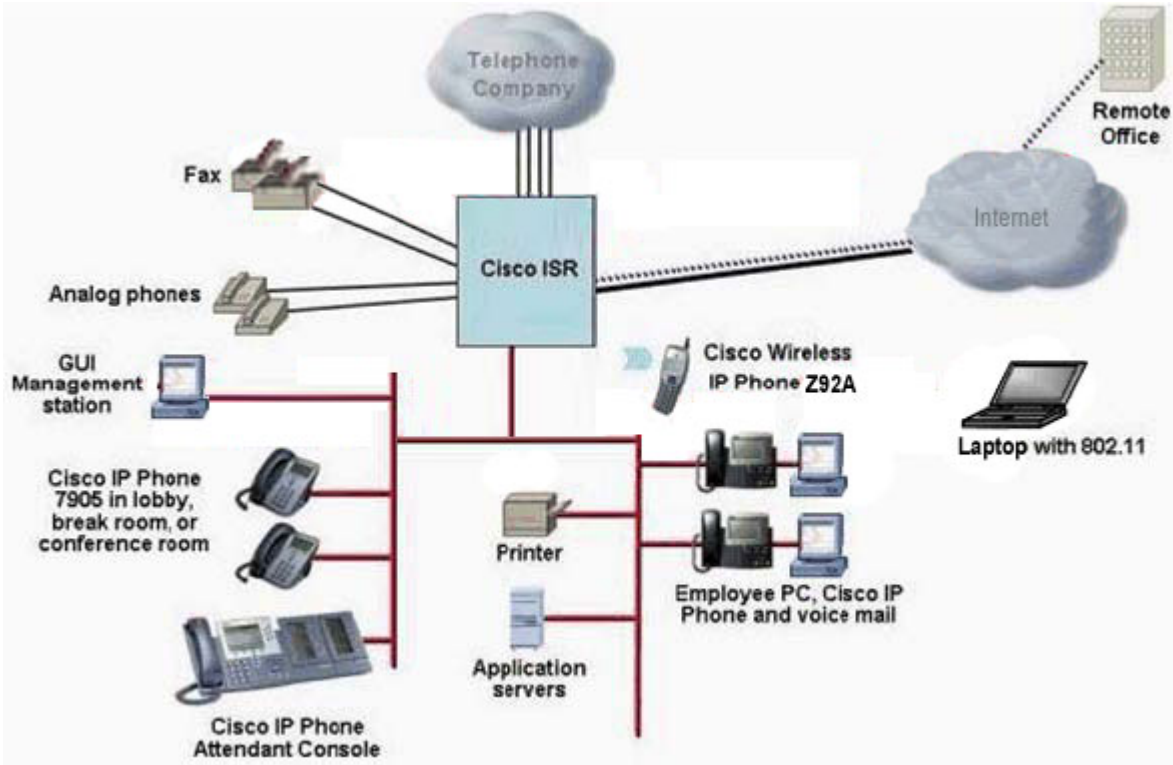
- A. provides advanced security such as hardware encryption acceleration
- B. provides investment protection through increased modularity
- C. comes equipped with at least one 1000-based TX interface
- D. contains integrated wireless access using the 802.11 g/b standard
- E. contains integrated web-based management tools for easy configuration and maintenance

Answer: A,D,E

---

**QUESTION 20:**

Exhibit:



Deploying integrated services on the Cisco ISR Router can help reduce network cost and complexity by integrating which four of these features on the ISR? (Choose four.)

- A. firewall and VPN
- B. IP telephony and voice mail
- C. Secure Access Control Server
- D. LAN switching and Wireless LAN
- E. IPS
- F. Anomaly Guard and Detection

Answer: A,B,D,E

Explanation:

D: You can install switch modules and Wireless HWICs into a ISR router

Not C: Checking the Cisco Secure Access Control Server documentation and no version that can be installed in an ISE Router can be found.

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### QUESTION 21:

What are three benefits of the Cisco Adaptive Threat Defense strategy? (Choose three.)

- A. using QoS techniques such as Traffic Policing to rate limit suspected traffic to prevent DoS attacks
- B. automatic reconfigurations of the security devices based on current security

threats

- C. containment and control of security threats
- D. application security
- E. anti-x defense
- F. virtual firewall

Answer: C,D,E

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**QUESTION 22:**

Certkiller .com needs approximately 15 to 20 wireless APs for RF coverage. Given that the customer is going to use the 1010 lightweight AP with the advanced feature set, what other product is required to complete this operational functionality?

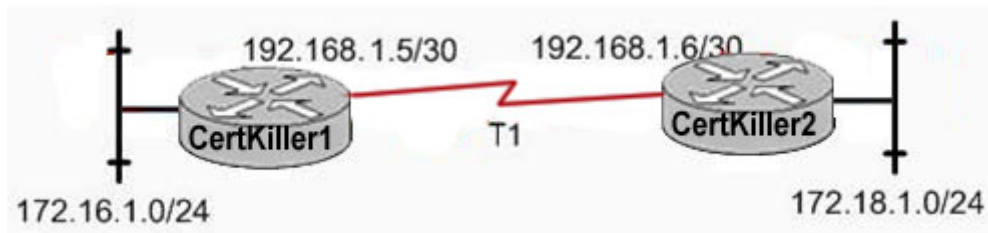
- A. 2700
- B. WLSE
- C. 4124
- D. 2006
- E. 4112

Answer: C

---

**QUESTION 23:**

Exhibit:



What are two Cisco IOS commands that would verify connectivity between routers Certkiller 1 and Certkiller 2? (Choose two.)

- A. show cdp neighbor
- B. show controllers serial
- C. show frame-relay lmi
- D. show ip route
- E. show running-config

Answer: A,D

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**QUESTION 24:**

DRAG DROP

You work as a network technician at Certkiller .com. You need to explain the

security appliance feature for your boss Miss Certkiller. Match the feature with the appropriate description.

**Features, select from these**

Modular policy framework

Application inspection

Cut-through proxy

Police policy map

SSL VPN

AIP-SSM (optional module)

**Function**

**Features, place here**

Provides secure browser based corporate connectivity from an Internet Kiosk or cyber cafe

*Place here*

Detects and blocks bandwidth consuming applications such as Kazaa and IM

*Place here*

Provides customizable security services on a per traffic flow basis

*Place here*

Provides malware, virus, and worm detection and mitigation

*Place here*

Answer:

Features, select from these

Cut-through proxy

Police policy map

**Function**  
Provides secure browser based corporate connectivity from an Internet Kiosk or cyber cafe

**Features, prace here**  
SSL VPN

Detects and blocks bandwidth consuming applications such as Kazaa and IM

Application inspection

Provides customizable security services on a per traffic flow basis

Modular policy framework

Provides malware, virus, and worm detection and mitigation

AIP-SSM (optional module)

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**QUESTION 25:**

The Cisco SDM can configure most, but not all, routing protocols. Which two of these routing protocols can be configured using SDM? (Choose two.)

- A. BGP
- B. IGRP
- C. ISIS
- D. OSPF
- E. EIGRP

Answer: D,E

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**QUESTION 26:**

Which of these is the Cisco IOS Firewall feature that creates specific security policies for each user with LAN-based, dynamic, per-user authentication and authorization?

- A. DDoS Mitigation
- B. Cisco Security Agent
- C. Intrusion Prevention System
- D. Authentication Proxy
- E. Context-based Access Control
- F. Monitoring, Analysis and Response System

Answer: D

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**QUESTION 27:**

**DRAG DROP**

You work as a network technician at Certkiller .com. You need to explain the security appliance feature for your trainee Jack. Match the Security Appliance with the appropriate application requirement.

**Security appliance select from these**

PIX 535

ASA 5540

ASA 5510

PIX 525

PIX 515

ASA 5520

**Application requirement**

Provides up to 1.6 Gbps of firewall throughput

Provides up to 150 SSL VPN peers

Provides up to 5000 IP Sec peers

Provides up to 10 physical interfaces

**Security appliance, place here**

*Place here*

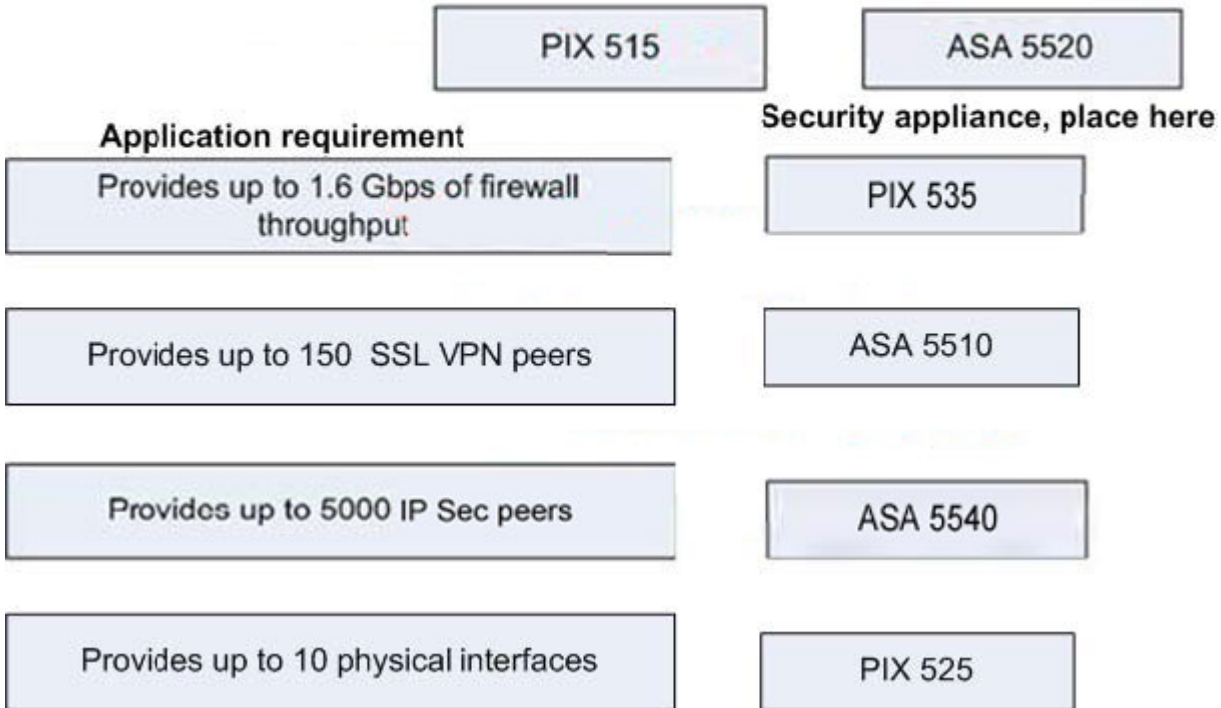
*Place here*

*Place here*

*Place here*

Answer:

**Security appliance select from these**



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**QUESTION 28:**

Which SDM feature secures the router using a set of recommended security configurations based on Cisco IOS AutoSecure and ICSA recommendations?

- A. security wizard
- B. security audit
- C. one-step lockdown
- D. Easy VPN Server
- E. auto setup wizard

Answer: C

---

**QUESTION 29:**

Which two of these statements best describe the benefits of WPAv2? (Choose two.)

- A. SSID broadcast prevention
- B. man-in-the-middle attack protection
- C. cost reduction through software upgrades in all existing hardware

- D. dynamic key generation
- E. RF jamming prevention

Answer: B,D

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**QUESTION 30:**

Certkiller .com plans to implement a wireless core feature set using autonomous access points. When choosing the access points, what is required for the customer to implement WDS?

- A. Client cards must be using Cisco's LEAP authentication.
- B. All APs must support 802.1X for registration with WDS.
- C. WDS must be enabled on all APs in the WLAN.
- D. The customer must have a WLSM blade in their Cisco Catalyst 6000.

Answer: B

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**QUESTION 31:**

List three benefits of implementing an integrated security solution based on the Cisco Self-Defending Network strategy? (Choose three.)

- A. integrated security
- B. collaborative security system
- C. self provisioning
- D. Adaptive Threat Defense
- E. programmable security ASICs
- F. Cisco IOS-based security

Answer: A,B,C

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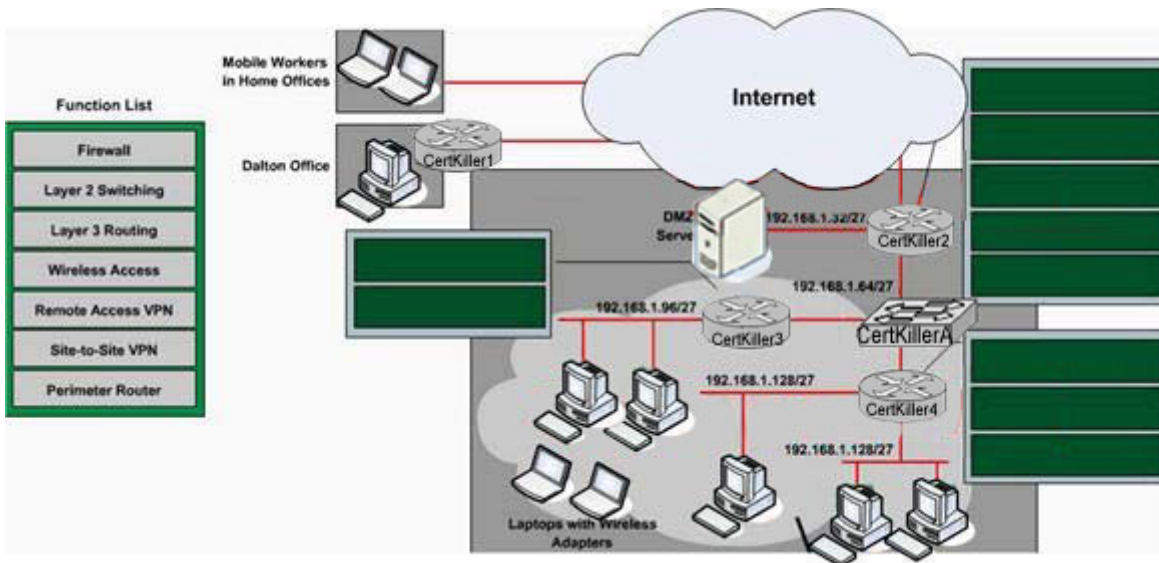
**QUESTION 32:**

**DRAG DROP**

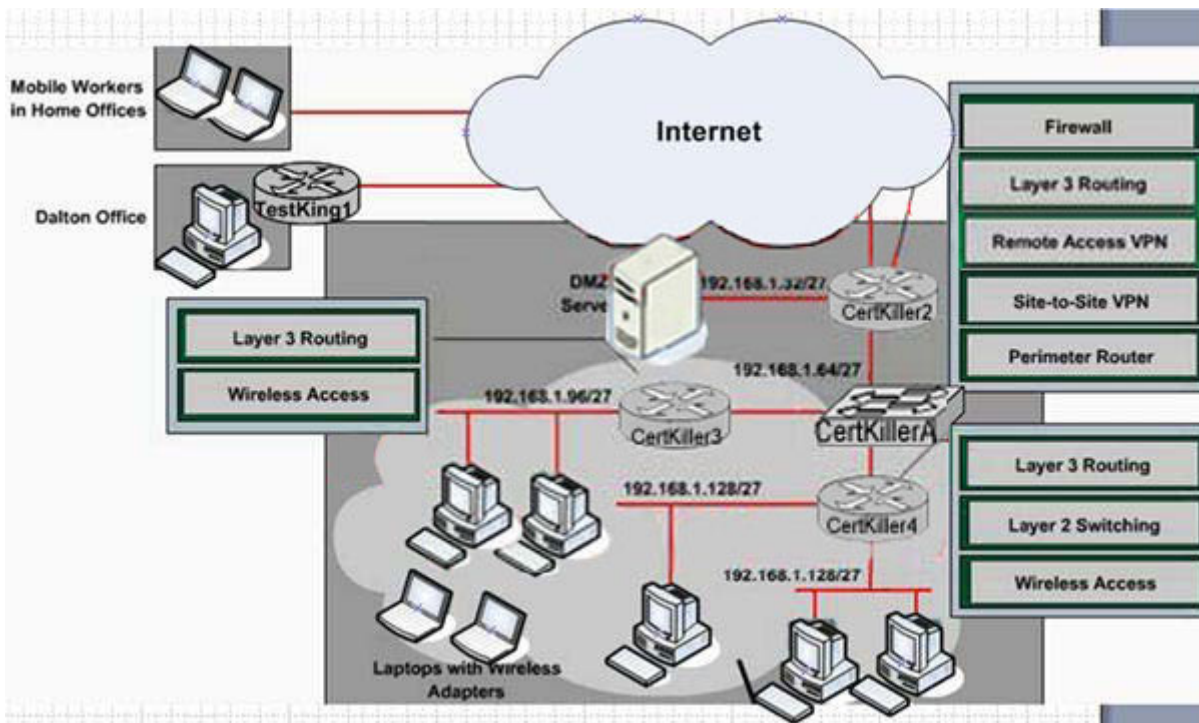
You work as a network technician at Certkiller .com. Certkiller .com has a main office in Dortmund, one remote site in Frankfurt and several home offices across Germany. The Dortmund office site must support connectivity to local hardwired users and campus wide roaming wireless users. The Certkiller .com office must also provide connectivity to the Frankfurt office and the home offices. Certkiller .com is using the Internet to provide this connectivity. Compunctions between these sites must be secure. The Frankfurt office requires 7x24 access while the home offices require on-demand access. You are implementing the network design shown in the diagram based upon ISR routers. Identify the function of each router by dropping the function to the appropriate router.

A function can be used more than once.





Answer:



Explanation:

In the router with the 5 slots:

Firewall

L3 Routing

Remote Access VPN

Site2Site VPN

Perimeter Router

In the router with the 2 slots:

L3 Routing

Wireless Access

In the router with the 3 slots:

L3 Routing

L2 Switching (Note the network segments both being the same in the drawing (192.168.1.128/27) so this would denote switchports, not Layer 3 ports)

Wireless Access

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**QUESTION 33:**

Which two of these statements best describe the benefits of the Cisco Compatible Extensions Program? (Choose two.)

- A. offers a feature-rich implementation alternative to Wi-Fi certification
- B. accelerates the availability of innovative features while maintaining interoperability
- C. provides innovative features only on Cisco's wireless client adapters
- D. provides an evolving set of specifications for interoperability
- E. eliminates the need for testing by providing innovative features to wireless client vendors through a one-time license fee

Answer: B,D

---

**QUESTION 34:**

DRAG DROP

Your Certkiller Trainee Betti is curious about Cisco Wireless software. You are required to match the Software benefit with the appropriate core feature set.

**Wireless software benefit, select from these**

Radio Monitoring aggregation

Configuration and image management

Fast secure roaming

Self-healing and self-optimizing

**WDS**

*Place here*

*Place here*

**WLSE**

*Place here*

*Place here*

Answer:

**WDS**

Configuration and image management

Fast secure roaming

**WLSE**

Radio Monitoring aggregation

Self-healing and self-optimizing

**QUESTION 35:**

What is the benefit of the parallel signature scanning feature in Cisco IOS IPS software?

- A. scans multiple patterns within a Signature Micro Engine at any given time
- B. scans traffic patterns serially and correlates the events in parallel
- C. dynamically runs detection scanning rules in parallel within a Signature Micro Engine to increase IPS performance
- D. runs currently configured scanning rules in parallel while updating new signature definition files to reduce the risk of day-zero attacks

Answer: A

---

**QUESTION 36:**

Cisco ISR Routers offer which three of these security benefits? (Choose three.)

- A. onboard VPN accelerator
- B. events correlation and proactive response
- C. high-performance AIM VPN modules
- D. virtual firewall
- E. Cisco IOS Firewall and IOS IPS
- F. transparent firewall

Answer: A,C,E

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**QUESTION 37:**

Certkiller .com is deploying a wireless core feature set using autonomous access points and requires Layer 2 roaming. What is a requirement when deploying this solution?

- A. a minimum of one Cisco 4100 Series WLAN Controller
- B. one WDS per subnet
- C. a minimum of one Wireless LAN Services Module
- D. all clients using Cisco Aironet Wireless LAN Adapters

Answer: B

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**QUESTION 38:**

After properly configuring multiple VLANs, an administrator has decided to secure its VLAN network. Which three steps are required to secure this environment? (Choose three.)

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- A. If a port is connected to a foreign device make sure to disable CDP, DTP, RPR, PAgP, UDLP, and any other unnecessary protocols, and enable UplinkFast/BPDU guard on it.
- B. Enable root guard feature to prevent a directly or indirectly connected STP-capable device from affecting the location of the root bridge.
- C. Configure VTP domains appropriately or turn off VTP altogether to limit or prevent possible undesirable protocol interaction with regards to the network-wide VLAN configuration.
- D. Set the native VLAN ID to match the port VLAN ID of any 802.1q trunk to prevent spoofing.
- E. Disable all unused ports and place them in an unused VLAN to avoid unauthorized access.

Answer: B,C,E

---

**QUESTION 39:**

Which two of these data encryption AIM modes are found on the 3800 family of Cisco ISR Routers? (Choose two.)

- A. BPII
- B. BPII-Plus
- C. EPII
- D. EPII-Plus
- E. HPII
- F. HPII-Plus

Answer: D,F

---

**QUESTION 40:**

Which of these is the Cisco IOS feature that allows you to create secure site-to-site VPNs?

- A. GRE
- B. IPSec
- C. L2TP
- D. MPLS
- E. AToM
- F. pseudo wire

Answer: B

---

**QUESTION 41:**

Which two of these statements best describe fast secure roaming for the wireless

core feature set using autonomous access points? (Choose two.)

- A. It is compatible with all wireless clients.
- B. It reduces roaming latency through reduced client RF channel scanning enhancements.
- C. It reduces roaming latency to targeted times of less than 75ms.
- D. Roaming occurs without reauthentication through a centralized RADIUS server.
- E. It is enabled through WLSE deployment.

Answer: B,D

---

**QUESTION 42:**

In CiscoWorks LAN Management Solution, what are some of the examples of a managed device (sometimes called network elements)? (Choose three.)

- A. routers
- B. LAN switches
- C. PBX switches
- D. TDM switches
- E. appliances

Answer: A,B,E

---

**QUESTION 43:**

Certkiller .com has deployed a wireless core feature set using autonomous access points and now wants to include a satellite building 4,500 feet away from the main campus. The customer also wants to provide wireless access to a courtyard for wireless clients in close proximity to the antenna mounting position. Which Cisco Aironet product is the most applicable solution?

- A. Cisco Aironet 1000 Series
- B. Cisco Aironet 1100 Series
- C. Cisco Aironet 1200 Series
- D. Cisco Aironet 1300 Series
- E. Cisco Aironet 1400 Series

Answer: D

---

**QUESTION 44:**

Which is a key benefit of Cisco IOS IPS?

- A. It mitigates network attacks via SDEE.
- B. It utilizes the latest versions of Cisco IOS software to obtain the latest signature

definition file.

C. It leverages existing Cisco router infrastructure.

D. It configures the router to shun malicious activity via dynamically created access control lists.

Answer: C

---

**QUESTION 45:**

What are three components of the wireless core feature set using autonomous access points? (Choose three.)

A. CiscoWorks WLSE

B. Wireless LAN Controller

C. lightweight access points

D. 802.1X authentication server

E. Wireless Control System

F. Cisco autonomous access points running WDS

Answer: A,D,F

---

**QUESTION 46:**

Which three of these items can a wireless assisted site survey optimize? (Choose three.)

A. radio transmit power setting

B. security selection

C. beacon interval

D. IPS auto-response settings

E. channel selection

F. IDS settings

Answer: A,C,E

---

**QUESTION 47:**

DRAG DROP

Your Certkiller Trainee Certkiller is curious about Cisco Catalyst switches. You are required to match the Catalyst series with the appropriate group.

**Wireless software benefit, select from these**

Catalyst 6500 Series	Catalyst 4500 Series
Catalyst 3750 Series	Catalyst 3560 Series
Catalyst 3550 Series	Catalyst 2940 Series

**Support IEE 802.3af and PoE**

<i>Place here</i>	<i>Place here</i>
<i>Place here</i>	<i>Place here</i>

**Do Not support IEE 802.3af and PoE**

<i>Place here</i>	<i>Place here</i>
<i>Place here</i>	<i>Place here</i>

Answer:

**Support IEE 802.3af and PoE**

Catalyst 4500 Series	Catalyst 3560 Series
Catalyst 3550 Series	Catalyst 2940 Series

**Do Not support IEE 802.3af and PoE**

Catalyst 6500 Series	Catalyst 3750 Series
<i>Place here</i>	<i>Place here</i>

Explanation:

Reference:

<http://www.cisco.com/en/US/netsol/ns340/ns394/ns147/ns412/netbr09186a00801f4329.html>



**QUESTION 48:**

DRAG DROP

Your boss at Certkiller .com asks you to explain to her the basics of WLAN management. You are required to match WLAN management component with the appropriate description.

**WLAN management component, select from these**

WLSE	WCS
WDS enabled from an AP or IOS router	WDS enabled from WLSM
<b>Description</b>	<b>WLAN management component, place here</b>
Layer 2 Fast Secure Roaming	Place here
Wireless LAN Context Communication Protocol	Place here
Layer 3 Fast Secure Roaming	Place here
Lightweight Access Point Protocol	Place here

Answer:

<b>Description</b>	<b>WLAN management component, place here</b>
Layer 2 Fast Secure Roaming	WDS enabled from an AP or IOS router
Wireless LAN Context Communication Protocol	WLSE
Layer 3 Fast Secure Roaming	WDS enabled from WLSM
Lightweight Access Point Protocol	WCS

**QUESTION 49:**

Regarding the performance (in kilo packets per second for a 64 byte packet) of the

3800 family of Cisco ISR Routers, which two of these are correct? (Choose two.)

- A. The 3825 is rated at 175 kpps.
- B. The 3825 is rated at 350 kpps.
- C. The 3825 is rated at 500 kpps.
- D. The 3845 is rated at 350 kpps.
- E. The 3845 is rated at 500 kpps.
- F. The 3845 is rated at 675 kpps.

Answer: B,E

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**QUESTION 50:**

What is a key technical advantage of configuring all switches in the enterprise network to VTP transparent mode?

- A. ensures consistency between VLAN numbering for all switches in the network
- B. prevents the network administrator from accidentally deleting VLAN information from all switches
- C. allows for a more rapid deployment of VLAN information throughout the enterprise
- D. reduces the total number of VLANs required in the enterprise
- E. reduces the size of the Spanning Tree network and as a result, improves the STP convergence time

Answer: B

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**QUESTION 51:**

Certkiller .com is concerned that adding firewall-based security will require major hardware changes. Which Cisco IOS Firewall benefit would you highlight?

- A. Cisco IOS Firewall is available for a wide variety of router platforms. It scales to meet the bandwidth and performance requirements of any network.
- B. Integrating firewall functions into a multiprotocol router takes advantage of an existing router investment, without the cost and learning curve associated with a new platform.
- C. Because it is installed on a Cisco router, Cisco IOS Firewall is an all-in-one, scalable solution that performs multiprotocol routing, perimeter security, intrusion prevention, VPN functions, and per-user authentication and authorization.
- D. Combining the Cisco CNS 2100 Series Intelligence Engine and the Cisco IOS Software Extensible Markup Language application helps a network administrator deploy any Cisco router with little or no preconfiguration to a given destination.

Answer: C

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**QUESTION 52:**

Wi-Fi Protected Access was an interim step on the way to the more secure WPA2. What was added in WPA2 to make it more secure?

- A. PEAP
- B. EAP-FAST
- C. AES encryption
- D. Rivest Cipher 4 encryption

Answer: C

---

**QUESTION 53:**

Which network management solution performs configuration, monitoring, and management of Cisco Firewall, VPN router, and IPS devices as well as maintains network device inventory and software distribution features?

- A. CiscoWorks Security Device Management Center (SD/MC)
- B. Security Device Manager (SDM)
- C. Adaptive Security Device Manager (ASDM)
- D. CiscoWorks VMS/Management Center (VMS/MC)

Answer: D

---

**QUESTION 54:**

Which program enables administrators to install the Cisco Aironet wireless configuration utility on multiple PCs across a network?

- A. ACU
- B. ADU
- C. ACAU
- D. ASTU
- E. AireWave Director

Answer: C

---

**QUESTION 55:**

Which two of these statements describe important aspects of performing a wireless site survey? (Choose two.)

- A. An 802.11g access point with a variety of antennas can be used in all standard site surveys.
- B. Site surveys can be performed manually or through assisted site survey.

- C. Channel power during testing starts at the default minimum and gradually increases to the maximum.
- D. Overlapping access points can create performance problems.
- E. Surveys should be done after hours in an office building or during reduced inventory levels in warehouses.

Answer: B,D

---

**QUESTION 56:**

Which of these is the Cisco IOS security feature that enhances perimeter firewall protection by taking appropriate actions on packets and flows that violate the security policy or represent malicious network activity?

- A. DDoS Mitigation (DDoS)
- B. Cisco Security Agent (CSA)
- C. Intrusion Prevention System (IPS)
- D. Authentication Proxy (Auth Proxy)
- E. Context-based Access Control (CBAC)
- F. Monitoring, Analysis and Response System (MARS)

Answer: C

---

**QUESTION 57:**

DRAG DROP

Your Certkiller Trainee Sandra is curious about Cisco Self Defending Network (SDN) strategy . You are required to match the phases with the appropriate description.

Use each SDN phase once and only once.

**SDN Phases select from these**

SDN phase 1

SDN phase 2

SDN phase 3

**Descriptions**

Point products -multiple security devices using unique management software

Security becomes a network-wide system;; endpoints + network + policies

Multiple security services and devices working in isolation to mitigate attacks

Every network element is a point of defense

Applications security + anti-x defenses + containment and control

**SDN phases, place here**

*Place here*

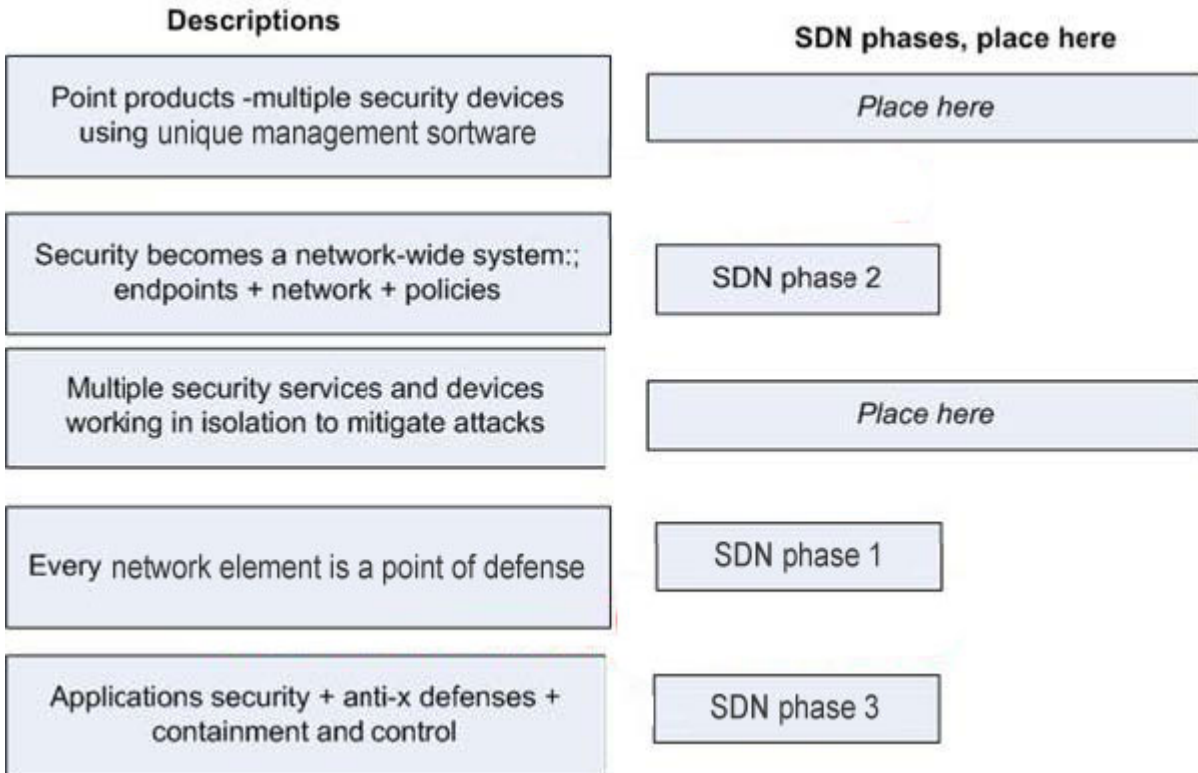
*Place here*

*Place here*

*Place here*

*Place here*

Answer:



**QUESTION 58:**

You are working with Certkiller .com that has an infrastructure based on lightweight access points using the advanced feature set. A new security requirement demands real-time asset tracking for 800 assets. Which product or solution will provide this function?

- A. Wireless Control System
- B. Wireless Location Appliance
- C. Wireless LAN Solution Engine
- D. Wireless LAN Services Module

Answer: B

**QUESTION 59:**

Which of these is an administrative time saving benefit of dynamic signature definition files on a Cisco router running Cisco IOS IPS?

- A. dynamically learns new signatures in real time
- B. dynamically updates signatures from Cisco.com
- C. dynamically configures IPS signature parameters
- D. dynamically chooses which signatures to activate based upon network traffic seen

Answer: B

---

**QUESTION 60:**

What are three benefits that companies gain with intelligent networking based on Cisco IOS network infrastructure? (Choose three.)

- A. a fully integrated network
- B. a network requiring fewer networking devices
- C. an adaptive network
- D. a more resilient network
- E. a completely fault-tolerant network

Answer: A,C,D

---

**QUESTION 61:**

Which item is a feature of Cisco Compatible Extensions, Version 3?

- A. full 802.11e compliance
- B. full WPAv2 compliance
- C. wireless IDS
- D. NAC

Answer: B

---

**QUESTION 62:**

Certkiller .com wants to deploy a wireless advanced feature set using lightweight access points. A site survey shows that the customer will need 34 APs to cover the facility. Assuming that the customer will not need to install more APs, only two devices can be used for wireless functionality. Which two? (Choose two.)

- A. 2000 Series WLAN Controller
- B. 4100 Series WLAN Controller
- C. 4400 Series WLAN Controller
- D. Wireless LAN Solution Engine
- E. Wireless LAN Services Module

Answer: B,C

---

**QUESTION 63:**

DRAG DROP

Your boss at Certkiller Mr Bill is curious about Cisco hierarchical network design

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in the context of Cisco Catalyst switches.

You are required to match the Cisco Catalyst with the network layer.

**Cisco Catalyst, select from these**

Catalyst 8880	Catalyst 6500	Catalyst 4500
Catalyst 2950	Catalyst 1725	

**Network layer**

**Cisco Catalyst, place here**

<b>Core</b>	<i>Place here</i>
<b>Distribution</b>	<i>Place here</i>
<b>Access</b>	<i>Place here</i>

Answer:

**Cisco Catalyst, select from these**

Catalyst 8880
Catalyst 1725

**Network layer**

**Cisco Catalyst, place here**

<b>Core</b>	Catalyst 6500
<b>Distribution</b>	Catalyst 4500
<b>Access</b>	Catalyst 2950

---

**QUESTION 64:**

Exhibit:





Certkiller .com wants to connect two new offices to their main office. One building is 2 miles away from the headquarters and the other is 12 miles away. The angle between the buildings is 80 degrees. Which antenna is the best to use in this situation?

- A. 12 dBi omni
- B. 10 dBi yagi
- C. 14 dBi sector
- D. 21 dBi dish

Answer: C

---

**QUESTION 65:**

The Cisco ASA Security Appliance can offer the benefit of integrating which three security services into one device? (Choose three.)

- A. IPS
- B. VPN Concentrator
- C. ACS server
- D. PIX firewall
- E. CSA MC
- F. DDoS Anomaly Guard and Detector

Answer: A,B,D

---

**QUESTION 66:**

How to updates the IPS signature definition files on Cisco IOS IPS Routers? (Select two)

- A. VMS IDS Management Console
- B. Security Device Event E
- C. Command line interface
- D. Postoffice
- E. Security Device Manager

Answer: A, E