Cisco 642-504

642-504 Securing Networks with Cisco Routers and Switches

Practice Test

Version 2.5

QUESTION NO: 1

Which two technologies can secure the control plane of the Cisco router? (Choose two. r

A. BPDU protection
B. role-based access control
C. routing protocol authentication
D. CPPr

Answer: C,D

QUESTION NO: 2

Cisco Secure Access Control Server (ACS) is a highly scalable, high-performance access control server that provides a comprehensive identity networking solution. Which of these statements is correct regarding user setup on ACS 4.0?

A. Users are assigned to the default group.
B. A user can belong to more than one group.
C. The username can contain characters such as "#" and "?".
D. The settings at the group level override the settings configured at the user level

Answer: A

QUESTION NO: 3

Please study the exhibit carefully, and then answer the following question: .

CERTKILL

Management PC used to access SDM

xx-ISR

Small Office or Home Office

Results of "show running-config"

```
ip http secure-server
ip http timeout-policy idle 60 life 86400 requests 10000
ip nat inside source list 1 interface FastEthernet0/1 overload
ip nat inside source static tcp 172.16.1.10 23 interface FastEthernet0/1 23
!
access-list 1 permit 172.16.1.0 0.0.0.255
access-list 23 permit host 172.16.1.11
access-list 23 permit host 172.16.1.13
!
!
!
!
!
!
!
control-plane
!
```

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Refer to the appropriate SDM screen(s), which two statements correctly describe the Cisco IOS Zone-Based Firewall configuration? (Choose two)

A. The "reset" action is applied to any HTTP request sourced from the "in" zone and destined to the "out" zone, which also has a request Uniform Resource Identifier (URI) that is greater than 500 bytes is length.
B. The "inspect" action is applied to Internet Control Message Protocol (ICMP) traffic sourced from the "in"zone and destined to the "out" zone.
C. The "http-policy" inspection policy map is applied to all HTTP and HTTPS traffic sourced from the "in" zone and destined to the "out" zone.
D. The "testpm" inspection polfcy map is applied to the r'inouf zone-pair.

Answer: A,D

QUESTION NO: 4

Refer to the appropriate SDM screen(s), what is the User Datagram Protocol (UDP) idle time set for any HTTP traffic that is sourced from the "in" zone and destined to the "out" zone?

About Your Router

Host Name: isr2811

Hardware	More	Software	More
Model Type:	Cisco 2811	IOS Version:	12.4(15)T5
Available / Total Memory(MB):	87/256 MB	SDM Version:	2.4
Total Flash Capacity:	61 MB		

Cisco 2811

Feature Availability: IP 🟢   Firewall 🟢   VPN 🟢   IPS 🟢   NAC 🔴

Configuration Overview

View Running Config

Interfaces and Connections   🟢 Up (2)   🔴 Down (1)

Total Supported LAN:	1	Total Supported WAN:	1(10/100Ethernet0)
Configured LAN Interface:	1	Total WAN Connections:	1
DHCP Server:	Configured		

Firewall Policies   🟢 Active

VPN   🟢 Up (0)

IPSec (Site-to-Site):	0	GRE over IPSec:	0
Xauth Login Required:	0	Easy VPN Remote:	0
No. of DMVPN Clients:	0	No. of Active VPN Clients:	0

Routing   ### Intrusion Prevention

No. of Static Route:	0	Total Active Signatures:	332
Dynamic Routing Protocols:	None	No. of IPS-enabled Interfaces:	3
		Signature Version:	S310.0

VPN
- Site-to-Site VPN
- Easy VPN Remote
- Easy VPN Server
- Dynamic Multipoint VPN
- SSL VPN
  - SSL VPN Gateways
  - Packages
- VPN Components
  - IPSec
    - IPSec Policies (Cry
    - Dynamic Crypto Ma
    - IPSec Profiles
    - Transform Sets
    - IPSec Rules(ACLs)
  - IKE
    - IKE Policies
    - Pre-shared Keys
    - IKE Profiles
  - Easy VPN Server
    - Group Policies
    - Browser Proxy Setti
  - Public Key Infrastructu
    - Certificate Authority
    - Certificate Enrollme
    - Router Certificates
    - RSA Keys
    - USB Tokens
    - VPN Keys Encryption

Virtual Private Network

A Virtual Private Network (VPN) creates a secure connection over an insecure public network, such as the Internet. Traffic sent through a VPN is encrypted and it cannot be read by anyone who is not on the VPN.

VPN technologies include:

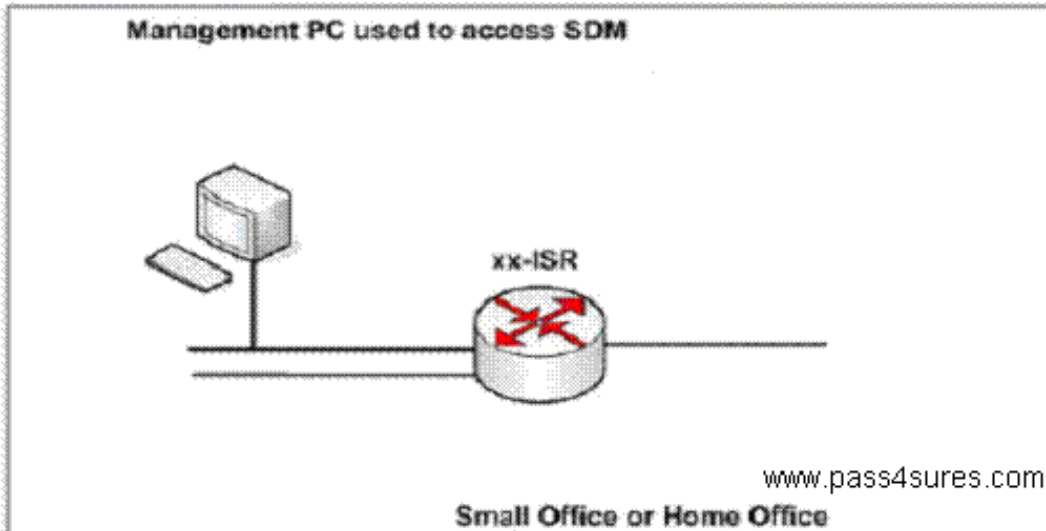*IPSec (site-to-site) VPN
*GRE over IPsec
*Dynamic Multipoint VPN
*Easy VPN
*Cisco SSL VPN

The VPN Design Guide can help you to decide which type of VPN to set up.

VPN Design Guide

Click Launch Design Guide to begin.

Launch Design Guide...

CERTKILL

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access-list 23 permit host 172.16.1.11
access-list 23 permit host 172.16.1.13
!
!
!
!
!
!
control-plane
!
```

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A. 10 seconds

B. 15 seconds

C. 30 seconds

CERTKILL

D. 35 seconds

Answer: D

QUESTION NO: 5

Refer to the appropriate SDM screen(s), what is the reason that outside hosts can't initiate Telnet (port 23) traffic to the 172.16.1.10 inside host?

Management PC used to access SDM

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