

Palo Alto Networks PCNSE Questions & Answers



Palo Alto Networks Certified Network Security

Engineer

Version: 6.0

QUESTION NO: 1

Which CLI command is used to simulate traffic going through the firewall and to determine which Security policy rule, NAT translation, static route, or PBF rule will be triggered by the traffic?

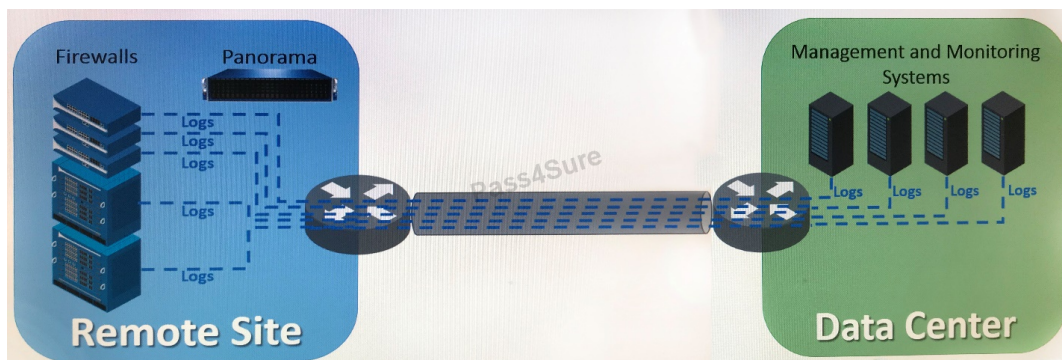
- A. check
- B. find
- C. test
- D. sim

Answer: C

Reference: <http://www.shanekillen.com/2014/02/palo-alto-useful-cli-commands.html>

QUESTION NO: 2

Refer to exhibit.



An organization has Palo Alto Networks NGFWs that send logs to remote monitoring and security management platforms. The network team has reported excessive traffic on the corporate WAN.

How could the Palo Alto Networks NGFW administrator reduce WAN traffic while maintaining support for all the existing monitoring/security platforms?

- A. Forward logs from firewalls only to Panorama and have Panorama forward logs to other external services.

B.

Forward logs from external sources to Panorama for correlation, and from Panorama send them to the NGFW.

C.

Configure log compression and optimization features on all remote firewalls.

D.

Any configuration on an M-500 would address the insufficient bandwidth concerns.

Answer: C

Explanation:

QUESTION NO: 3

A customer wants to set up a VLAN interface for a Layer 2 Ethernet port.

Which two mandatory options are used to configure a VLAN interface? (Choose two.)

A.

Virtual router

B.

Security zone

C.

ARP entries

D.

Netflow Profile

Answer: A,B

Explanation:

QUESTION NO: 4

An administrator has been asked to configure a Palo Alto Networks NGFW to provide protection against worms and trojans.

Which Security Profile type will protect against worms and trojans?

- A.**
Anti-Spyware
- B.**
Instruction Prevention
- C.**
File Blocking
- D.**
Antivirus

Answer: D

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/policy/security-profiles>

QUESTION NO: 5

A company needs to preconfigure firewalls to be sent to remote sites with the least amount of preconfiguration. Once deployed, each firewall must establish secure tunnels back to multiple regional data centers to include the future regional data centers.

Which VPN configuration would adapt to changes when deployed to the future site?

- A.**
Preconfigured GlobalProtect satellite
- B.**
Preconfigured GlobalProtect client
- C.**
Preconfigured IPsec tunnels
- D.**
Preconfigured PPTP Tunnels

Answer: A

Explanation:

QUESTION NO: 6

An administrator has been asked to configure active/passive HA for a pair of Palo Alto Networks NGFWs. The administrator assigns priority 100 to the active firewall.

Which priority is correct for the passive firewall?

- A.
0
- B.
99
- C.
1
- D.
255

Answer: D

Reference: <https://docs.paloaltonetworks.com/pan-os/7-1/pan-os-admin/high-availability/device-priority-and-preemption>

QUESTION NO: 7

An administrator pushes a new configuration from Panorama to a pair of firewalls that are configured as an active/passive HA pair.

Which NGFW receives the configuration from Panorama?

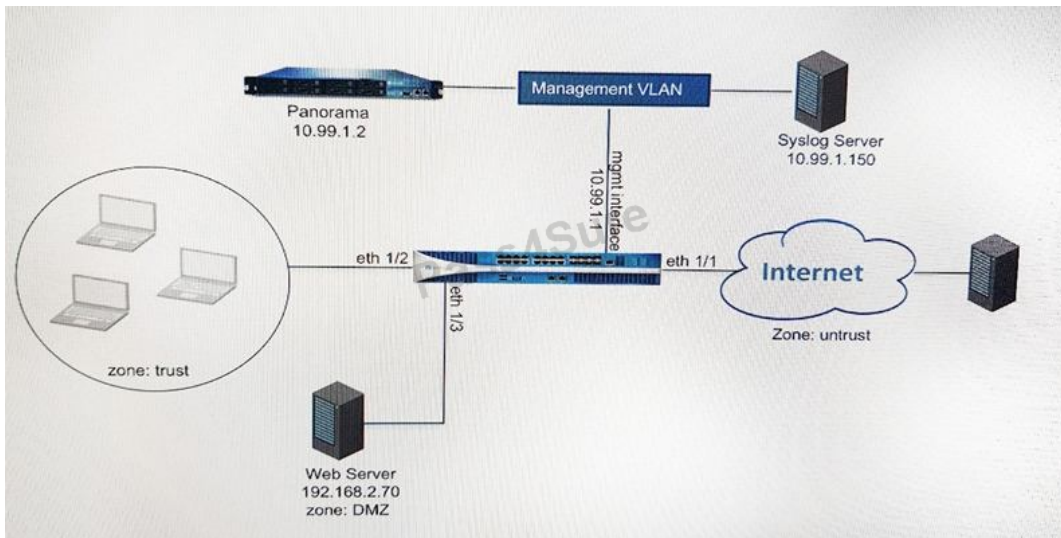
- A.
The Passive firewall, which then synchronizes to the active firewall
- B.
The active firewall, which then synchronizes to the passive firewall
- C.
Both the active and passive firewalls, which then synchronize with each other
- D.
Both the active and passive firewalls independently, with no synchronization afterward

Answer: C

Explanation:

QUESTION NO: 8

Refer to the exhibit.



An administrator cannot see any of the Traffic logs from the Palo Alto Networks NGFW on Panorama reports. The configuration problem seems to be on the firewall. Which settings, if configured incorrectly, most likely would stop only Traffic logs from being sent from the firewall to Panorama?

A.

B.

Security Policy Rule

General Source User Destination Application Service/URL Category Actions

Action Setting
 Action: Allow
 Send ICMP Unreachable

Profile Setting
 Profile Type: Profiles
 Antivirus: None
 Vulnerability Protection: None
 Anti-Spyware: None
 URL Filtering: Filter1
 File Blocking: None
 Data Filtering: None
 WildFire Analysis: None

Log Setting
 Log at Session Start
 Log at Session End
 Log Forwarding: None

Other Settings
 Schedule: None
 QoS Marking: None
 Disable Server Response Inspection

OK Cancel

C.

Syslog Server Profile

Name: SyslogProfile1

Panorama

Servers Custom Log Format

Name	Syslog Server	Transport	Port	Format	Facility
SyslogServer1	192.168.229.17	UDP	514	BSD	LOG_USER

+ Add - Delete

Enter the IP address or FQDN of the Syslog server

OK Cancel

D.

Panorama Settings

Receive Timeout for Connection to Panorama (sec) 240

Send Timeout for Connection to Panorama (sec) 240

Retry Count for SSL Send to Panorama 25

Share Unused Address and Service Objects with Devices
 Objects defined in ancestors will take higher precedence

Secure Server Communication

Custom Certificate Only

SSL/TLS Service Profile None

Certificate Profile None

Authorization List 0 items

Identifier	Type	Value
+ Add - Delete		

Authorize Clients Based on Serial Number

Check Authorization List

Disconnect Wait Time (min) [0-44640]

OK Cancel

Answer: D

Explanation:

QUESTION NO: 9

When configuring a GlobalProtect Portal, what is the purpose of specifying an Authentication Profile?

- A.**
To enable Gateway authentication to the Portal
- B.**
To enable Portal authentication to the Gateway
- C.**
To enable user authentication to the Portal
- D.**
To enable client machine authentication to the Portal

Answer: C

Explanation:

The additional options of Browser and Satellite enable you to specify the authentication profile to use for specific scenarios. Select Browser to specify the authentication profile to use to authenticate a user accessing the portal from a web browser with the intent of downloading the GlobalProtect agent (Windows and Mac). Select Satellite to specify the authentication profile to use to authenticate the satellite.

Reference <https://www.paloaltonetworks.com/documentation/80/pan-os/web-interface-help/globalprotect/network-globalprotect-portals>

QUESTION NO: 10

If a template stack is assigned to a device and the stack includes three templates with overlapping settings, which settings are published to the device when the template stack is pushed?

A.

The settings assigned to the template that is on top of the stack.

B.

The administrator will be prompted to choose the settings for that chosen firewall.

C.

All the settings configured in all templates.

D.

Depending on the firewall location, Panorama decides with settings to send.

Answer: A

Explanation:

QUESTION NO: 11

Which method will dynamically register tags on the Palo Alto Networks NGFW?

A.

Restful API or the VMWare API on the firewall or on the User-ID agent or the read-only domain controller (RODC)

B.

Restful API or the VMware API on the firewall or on the User-ID agent

C.

XML-API or the VMware API on the firewall or on the User-ID agent or the CLI

D.

XML API or the VM Monitoring agent on the NGFW or on the User-ID agent

Answer: D

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/policy/register-ip-addresses-and-tags-dynamically>

QUESTION NO: 12

How does an administrator schedule an Applications and Threats dynamic update while delaying installation of the update for a certain amount of time?

A.

Configure the option for "Threshold".

B.

Disable automatic updates during weekdays.

C.

Automatically "download only" and then install Applications and Threats later, after the administrator approves the update.

D.

Automatically "download and install" but with the "disable new applications" option used.

Answer: C

Explanation:

QUESTION NO: 13

To connect the Palo Alto Networks firewall to AutoFocus, which setting must be enabled?

A.

Device>Setup>Services>AutoFocus

B.

Device> Setup>Management >AutoFocus

C.

AutoFocus is enabled by default on the Palo Alto Networks NGFW

D.

Device>Setup>WildFire>AutoFocus

E.

Device>Setup> Management> Logging and Reporting Settings

Answer: B

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/getting-started/enable-autofocus-threat-intelligence>

QUESTION NO: 14

An administrator encountered problems with inbound decryption. Which option should the administrator investigate as part of triage?

A.

Security policy rule allowing SSL to the target server

B.

Firewall connectivity to a CRL

C.

Root certificate imported into the firewall with "Trust" enabled

D.

Importation of a certificate from an HSM

Answer: A

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/decryption/configure-ssl-inbound-inspection>

QUESTION NO: 15

Which two virtualization platforms officially support the deployment of Palo Alto Networks VM-Series firewalls? (Choose two.)

- A.
Red Hat Enterprise Virtualization (RHEV)
- B.
Kernel Virtualization Module (KVM)
- C.
Boot Strap Virtualization Module (BSVM)
- D.
Microsoft Hyper-V

Answer: B,D

Reference: <https://www.paloaltonetworks.com/products/secure-the-network/virtualized-next-generation-firewall/vm-series>

QUESTION NO: 16

Which User-ID method maps IP addresses to usernames for users connecting through an 802.1x-enabled wireless network device that has no native integration with PAN-OS® software?

- A.
XML API
- B.
Port Mapping
- C.
Client Probing
- D.
Server Monitoring

Answer: A

Explanation:

Captive Portal and the other standard user mapping methods might not work for certain types of user access. For example, the standard methods cannot add mappings of users connecting from a third-party VPN solution or users connecting to an 802.1x-enabled wireless network. For such cases, you can use the PAN-OS XML API to capture login events and send them to the PAN-OS integrated User-ID agent

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/user-id/user-id-concepts/group-mapping#id93306080-fd9b-4f1b-96a6-4bfe1c8e69df>

QUESTION NO: 17

Decrypted packets from the website <https://www.microsoft.com> will appear as which application and service within the Traffic log?

- A.**
web-browsing and 443
- B.**
SSL and 80
- C.**
SSL and 443
- D.**
web-browsing and 80

Answer: B

Explanation:

QUESTION NO: 18

Which PAN-OS® policy must you configure to force a user to provide additional credentials before he is allowed to access an internal application that contains highly-sensitive business data?

- A.**
Security policy
- B.**
Decryption policy
- C.**
Authentication policy
- D.**
Application Override policy

Answer: C

Explanation:

QUESTION NO: 19

A Security policy rule is configured with a Vulnerability Protection Profile and an action of 'Deny'.

Which action will this configuration cause on the matched traffic?

- A.**
The configuration is invalid. The Profile Settings section will be grayed out when the Action is set to "Deny".
- B.**
The configuration will allow the matched session unless a vulnerability signature is detected. The "Deny" action will supersede the per-severity defined actions defined in the associated Vulnerability Protection Profile.
- C.**
The configuration is invalid. It will cause the firewall to skip this Security policy rule. A warning will be displayed during a commit.
- D.**
The configuration is valid. It will cause the firewall to deny the matched sessions. Any configured Security Profiles have no effect if the Security policy rule action is set to "Deny."

Answer: B

Explanation:

QUESTION NO: 20

A user's traffic traversing a Palo Alto Networks NGFW sometimes can reach <http://www.company.com>. At other times the session times out. The NGFW has been configured with a PBF rule that the user's traffic matches when it goes to <http://www.company.com>.

How can the firewall be configured to automatically disable the PBF rule if the next hop goes down?

- A.**
Create and add a Monitor Profile with an action of Wait Recover in the PBF rule in question.
- B.**
Create and add a Monitor Profile with an action of Fail Over in the PBF rule in question.
- C.**
Enable and configure a Link Monitoring Profile for the external interface of the firewall.

D.
Configure path monitoring for the next hop gateway on the default route in the virtual router.

Answer: D

Explanation:

QUESTION NO: 21

What are two benefits of nested device groups in Panorama? (Choose two.)

- A.**
Reuse of the existing Security policy rules and objects
- B.**
Requires configuring both function and location for every device
- C.**
All device groups inherit settings from the Shared group
- D.**
Overwrites local firewall configuration

Answer: B,C

Explanation:

QUESTION NO: 22

Which Captive Portal mode must be configured to support MFA authentication?

- A.**
NTLM
- B.**
Redirect
- C.**
Single Sign-On
- D.**
Transparent

Answer: B

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/authentication/configure-multi-factor-authentication>

QUESTION NO: 23

An administrator needs to implement an NGFW between their DMZ and Core network. EIGRP Routing between the two environments is required. Which interface type would support this business requirement?

- A.**
Virtual Wire interfaces to permit EIGRP routing to remain between the Core and DMZ
- B.**
Layer 3 or Aggregate Ethernet interfaces, but configuring EIGRP on subinterfaces only
- C.**
Tunnel interfaces to terminate EIGRP routing on an IPsec tunnel (with the GlobalProtect License to support LSVPN and EIGRP protocols)
- D.**
Layer 3 interfaces, but configuring EIGRP on the attached virtual router

Answer: B

Explanation:

QUESTION NO: 24

A speed/duplex negotiation mismatch is between the Palo Alto Networks management port and the switch port which it connects.

How would an administrator configure the interface to 1Gbps?

- A.**
set deviceconfig interface speed-duplex 1Gbps-full-duplex
- B.**
set deviceconfig system speed-duplex 1Gbps-duplex

C.

set deviceconfig system speed-duplex 1Gbps-full-duplex

D.

set deviceconfig Interface speed-duplex 1Gbps-half-duplex

Answer: C

Reference: <https://live.paloaltonetworks.com/t5/Configuration-Articles/How-to-Change-the-Speed-and-Duplex-of-the-Management-Port/ta-p/59034>

QUESTION NO: 25

A web server is hosted in the DMZ, and the server is configured to listen for incoming connections only on TCP port 8080. A Security policy rule allowing access from the Trust zone to the DMZ zone need to be configured to enable we browsing access to the server.

Which application and service need to be configured to allow only cleartext web-browsing traffic to thins server on tcp/8080?

A.

application: web-browsing; service: application-default

B.

application: web-browsing; service: service-https

C.

application: ssl; service: any

D.

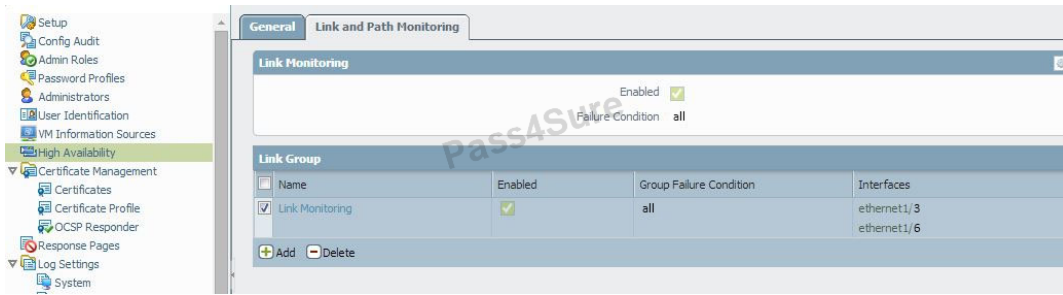
application: web-browsing; service: (custom with destination TCP port 8080)

Answer: A

Explanation:

QUESTION NO: 26

If the firewall has the link monitoring configuration, what will cause a failover?



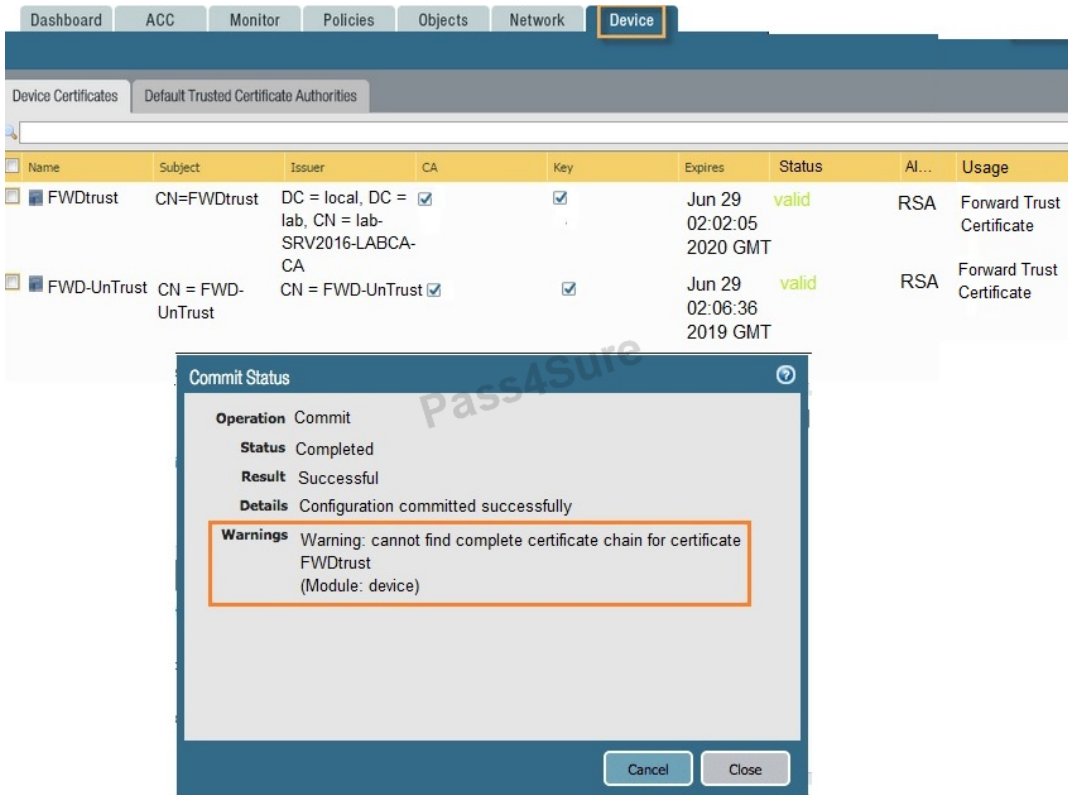
- A.**
ethernet1/3 and ethernet1/6 going down
- B.**
ethernet1/3 going down
- C.**
ethernet1/3 or Ethernet1/6 going down
- D.**
ethernet1/6 going down

Answer: A

Explanation:

QUESTION NO: 27

Based on the image, what caused the commit warning?



- A.** The CA certificate for FWDtrust has not been imported into the firewall.
- B.** The FWDtrust certificate has not been flagged as Trusted Root CA.
- C.** SSL Forward Proxy requires a public certificate to be imported into the firewall.
- D.** The FWDtrust certificate does not have a certificate chain.

Answer: D

Explanation:

QUESTION NO: 28

Which method does an administrator use to integrate all non-native MFA platforms in PAN-OS® software?

- A.** Okta
- B.** DUO

C.
RADIUS

D.
PingID

Answer: C

Explanation:

QUESTION NO: 29

How would an administrator monitor/capture traffic on the management interface of the Palo Alto Networks NGFW?

A.
Use the debug dataplane packet-diag set capture stage firewall file command.

B.
Enable all four stages of traffic capture (TX, RX, DROP, Firewall).

C.
Use the debug dataplane packet-diag set capture stage management file command.

D.
Use the tcpdump command.

Answer: D

Reference: <https://live.paloaltonetworks.com/t5/Learning-Articles/How-to-Run-a-Packet-Capture/ta-p/62390>

QUESTION NO: 30

An administrator needs to optimize traffic to prefer business-critical applications over non-critical applications.

QoS natively integrates with which feature to provide service quality?

A.
Port Inspection

B.

Certificate revocation

C.

Content-ID

D.

App-ID

Answer: D

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/quality-of-service/qos-concepts/qos-for-applications-and-users#idaed4e749-80b4-4641-a37c-c741aba562e9>

QUESTION NO: 31

A session in the Traffic log is reporting the application as “incomplete.”

What does “incomplete” mean?

A.

The three-way TCP handshake was observed, but the application could not be identified.

B.

The three-way TCP handshake did not complete.

C.

The traffic is coming across UDP, and the application could not be identified.

D.

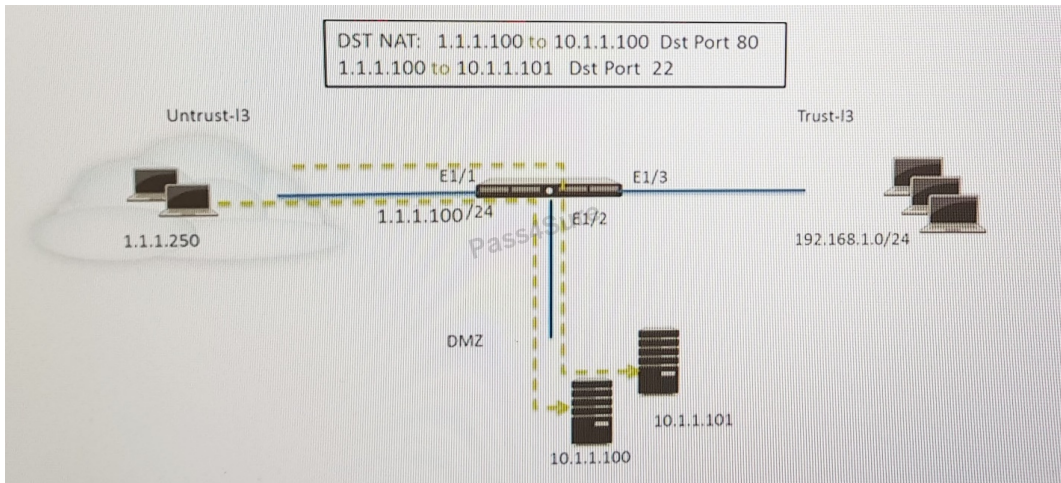
Data was received but was instantly discarded because of a Deny policy was applied before App-ID could be applied.

Answer: B

Explanation:

QUESTION NO: 32

Refer to the exhibit.



An administrator is using DNAT to map two servers to a single public IP address. Traffic will be steered to the specific server based on the application, where Host A (10.1.1.100) receives HTTP traffic and HOST B (10.1.1.101) receives SSH traffic.

Which two security policy rules will accomplish this configuration? (Choose two.)

- A. Untrust (Any) to Untrust (10.1.1.100), web-browsing -Allow
- B. Untrust (Any) to Untrust (10.1.1.101), ssh -Allow
- C. Untrust (Any) to DMZ (10.1.1.100), web-browsing -Allow
- D. Untrust (Any) to DMZ (10.1.1.100), ssh -Allow
- E. Untrust (Any) to DMZ (10.1.1.100.10.1.1.101), ssh, web-browsing -Allow

Answer: C,D

Explanation:

QUESTION NO: 33

An administrator needs to determine why users on the trust zone cannot reach certain websites. The only information available is shown on the following image.

Which configuration change should the administrator make?

A.

Detailed Log View

General

Session ID 567
 Action block-url
 Application web-browsing
 Rule AllowTrafficOut
 Virtual System
 Device SN
 IP Protocol tcp
 Log Action
 Category gambling
 GeneratedTime 2017/05/23 21:22:27
 Receive Time 2017/05/23 21:22:27
 Tunnel Type N/A

B.

URL Filtering Profile

Name Filter1
 Description

Categories Overrides URL Filtering Settings User Credential Detection

Category	Site Access	User Credential Submission
<input type="checkbox"/> educational-institutions	allow	allow
<input type="checkbox"/> entertainment-and-arts	allow	allow
<input type="checkbox"/> extremism	allow	allow
<input type="checkbox"/> financial services	allow	allow
<input checked="" type="checkbox"/> gambling	allow	block
<input type="checkbox"/> games	allow	allow
<input type="checkbox"/> government	block	block
<input type="checkbox"/> hacking	continue	allow
<input type="checkbox"/> health-and-medicine	override	allow

* Indicates a custom URL category, + indicates external dynamic list
 Check URL Category

OK Cancel

C.

Security Policy Rule

General Source User Destination Application Service/URL Category Actions Target

Name: www.megamillions.com

Rule Type: universal (default)

Description:

Tags:

OK Cancel

D.

URL Filtering Profile

Name: Filter1

Description:

Overrides Categories URL Filtering Settings User Credential Detection

Allow-List: www.megamillions.com

Block List:

Action: continue

For the block list and allow list enter one entry per row, separating the rows with a newline. Each entry should be in the form of "www.example.com" and without quotes or an IP address (http:// or https:// should not be included). Use separators to specify match criteria - for example, "www.example.com/" will match "www.example.com/test" but not match "www.example.com.hk"

OK Cancel

E.

URL Filtering Profile

Name: Filter1

Description:

Overrides Categories URL Filtering Settings User Credential Detection

Allow-List: www.megamillions.com

Block List:

Action: block

For the block list and allow list enter one entry per row, separating the rows with a newline. Each entry should be in the form of "www.example.com" and without quotes or an IP address (http:// or https:// should not be included). Use separators to specify match criteria - for example, "www.example.com/" will match "www.example.com/test" but not match "www.example.com.hk"

OK Cancel

Answer: B

Explanation:

QUESTION NO: 34

Which three settings are defined within the Templates object of Panorama? (Choose three.)

- A.**
Setup
- B.**
Virtual Routers
- C.**
Interfaces
- D.**
Security
- E.**
Application Override

Answer: A,D,E

Explanation:

QUESTION NO: 35

A customer has an application that is being identified as unknown-tcp for one of their custom PostgreSQL database connections.

Which two configuration options can be used to correctly categorize their custom database application? (Choose two.)

- A.**
Application Override policy.
- B.**
Security policy to identify the custom application.
- C.**
Custom application.
- D.**
Custom Service object.

Answer: B,C

Explanation:

QUESTION NO: 36

An administrator logs in to the Palo Alto Networks NGFW and reports that the WebUI is missing the Policies tab.

Which profile is the cause of the missing Policies tab?

- A.**
Admin Role
- B.**
WebUI
- C.**
Authentication
- D.**
Authorization

Answer: A

Explanation:

QUESTION NO: 37

An administrator has left a firewall to use the default port for all management services.

Which three functions are performed by the dataplane? (Choose three.)

- A.**
WildFire updates
- B.**
NAT
- C.**
NTP
- D.**

antivirus

E.

File blocking

Answer: A,B,C

Explanation:

QUESTION NO: 38

An administrator is using Panorama and multiple Palo Alto Networks NGFWs. After upgrading all devices to the latest PAN-OS® software, the administrator enables log forwarding from the firewalls to Panorama. Pre-existing logs from the firewalls are not appearing in Panorama.

Which action would enable the firewalls to send their pre-existing logs to Panorama?

A.

Use the import option to pull logs into Panorama.

B.

A CLI command will forward the pre-existing logs to Panorama.

C.

Use the ACC to consolidate pre-existing logs.

D.

The log database will need to be exported from the firewalls and manually imported into Panorama.

Answer: B

Explanation:

QUESTION NO: 39

A Palo Alto Networks NGFW just submitted a file to WildFire for analysis. Assume a 5-minute window for analysis. The firewall is configured to check for verdicts every 5 minutes.

How quickly will the firewall receive back a verdict?

A.

More than 15 minutes

B.

5 minutes

C.

10 to 15 minutes

D.

5 to 10 minutes

Answer: D

Explanation:

QUESTION NO: 40

What are the differences between using a service versus using an application for Security Policy match?

A.

Use of a “service” enables the firewall to take immediate action with the first observed packet based on port numbers. Use of an “application” allows the firewall to take immediate action if the port being used is a member of the application standard port list.

B.

There are no differences between “service” or “application”. Use of an “application” simplifies configuration by allowing use of a friendly application name instead of port numbers.

C.

Use of a “service” enables the firewall to take immediate action with the first observed packet based on port numbers. Use of an “application” allows the firewall to take action after enough packets allow for App-ID identification regardless of the ports being used

D.

Use of a “service” enables the firewall to take action after enough packets allow for App-ID identification

Answer: A

Explanation:

QUESTION NO: 41

Which Palo Alto Networks VM-Series firewall is valid?

- A.
VM-25
- B.
VM-800
- C.
VM-50
- D.
VM-400

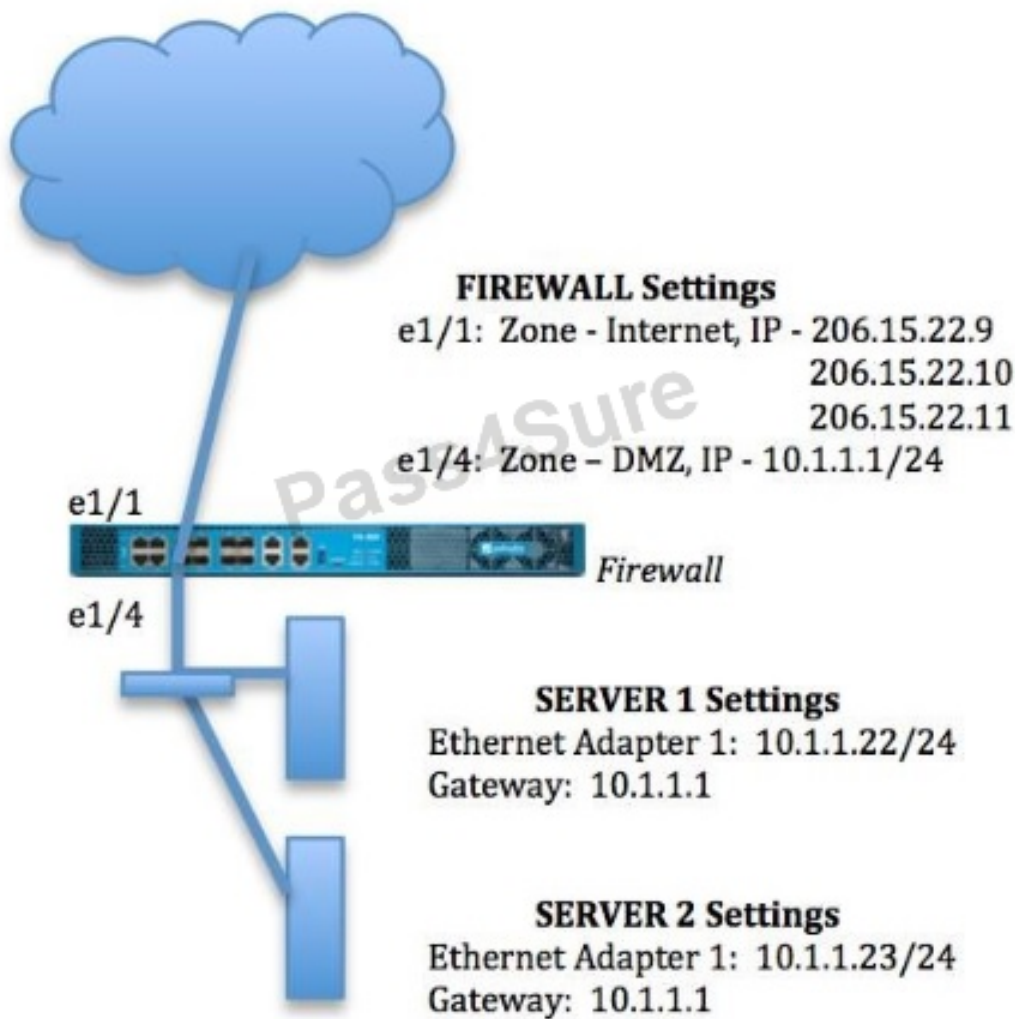
Answer: C

Reference: <https://www.paloaltonetworks.com/products/secure-the-network/virtualized-next-generation-firewall/vm-series>

QUESTION NO: 42

An administrator wants multiple web servers in the DMZ to receive connections initiated from the internet. Traffic destined for 206.15.22.9 port 80/TCP needs to be forwarded to the server at 10.1.1.22

Based on the information shown in the image, which NAT rule will forward web-browsing traffic correctly?



A.

Source IP: Any
 Destination IP: 206.15.22.9
 Source Zone: Internet
 Destination Zone: DMZ
 Destination Service: 80/TCP
 Action: Destination NAT
 Translated IP: 10.2.2.23
 Translated Port: 53/UDP

B.

Source IP: Any
Destination IP: 206.15.22.9
Source Zone: Internet
Destination Zone: Internet
Destination Service: 80/TCP
Action: Destination NAT
Translated IP: 10.1.1.22
Translated Port: 53/UDP

C.

Source IP: Any
Destination IP: 206.15.22.9
Source Zone: Internet
Destination Zone: Internet
Destination Service: 80/TCP
Action: Destination NAT
Translated IP: 10.1.1.22
Translated Port: None

D.

Source IP: Any
Destination IP: 206.15.22.9
Source Zone: Internet
Destination Zone: DMZ
Destination Service: 80/TCP
Action: Destination NAT
Translated IP: 10.1.1.22
Translated Port: 80/TCP

Answer: C

Explanation:

QUESTION NO: 43

An administrator creates a custom application containing Layer 7 signatures. The latest application and threat dynamic update is downloaded to the same NGFW. The update contains an application that matches the same traffic signatures as the custom application.

Which application should be used to identify traffic traversing the NGFW?

- A.**
Custom application
- B.**
System logs show an application error and neither signature is used.
- C.**
Downloaded application
- D.**
Custom and downloaded application signature files are merged and both are used

Answer: A

Explanation:

QUESTION NO: 44

Which three file types can be forwarded to WildFire for analysis as a part of the basic WildFire service? (Choose three.)

- A.
.dll
- B.
.exe
- C.
.src
- D.
.apk
- E.
.pdf
- F.
.jar

Answer: D,E,F

Reference: https://www.paloaltonetworks.com/documentation/80/wildfire/wf_admin/wildfire-overview/wildfire-file-type-support

QUESTION NO: 45

Refer to the exhibit.

#####

admin@Lab33-111-PA-3060(active)>show routing fib

id	destination	nexthop	flags	interface	mtu
47	0.0.0.0/0	10.46.40.1	ug	ethernet1/3	1500
46	10.46.40.0/23	0.0.0.0	u	ethernet1/3	1500
45	10.46.41.111/32	0.0.0.0	uh	ethernet1/3	1500
70	10.46.41.113/32	10.46.40.1	ug	ethernet1/3	1500
51	192.168.111.0/24	0.0.0.0	u	ethernet1/6	1500
50	192.168.111.2/32	0.0.0.0	uh	ethernet1/6	1500

#####

admin@Lab33-111-PA-3060(active)>show virtual-wire all

total virtual-wire shown: 1
 flags: m-multicast firewalling
 p= link state pass-through
 s- vlan sub-interface
 i- ip+vlan sub-interface
 t-tenant sub-interface

name	interface1	interface2	flags	allowed-tags
VW-1	ethernet1/7	ethernet1/5	p	

#####

Which will be the egress interface if the traffic's ingress interface is ethernet 1/7 sourcing from 192.168.111.3 and to the destination 10.46.41.113?

- A. ethernet1/6
- B. ethernet1/3
- C. ethernet1/7
- D. ethernet1/5

Answer: D

Explanation:

QUESTION NO: 46

Which three authentication services can an administrator use to authenticate admins into the Palo Alto Networks NGFW without defining a corresponding admin account on the local firewall?
(Choose three.)

- A.**
Kerberos
- B.**
PAP
- C.**
SAML
- D.**
TACACS+
- E.**
RADIUS
- F.**
LDAP

Answer: A,C,F

Explanation:

QUESTION NO: 47

Which event will happen if an administrator uses an Application Override Policy?

- A.**
Threat-ID processing time is decreased.
- B.**
The Palo Alto Networks NGFW stops App-ID processing at Layer 4.
- C.**
The application name assigned to the traffic by the security rule is written to the Traffic log.
- D.**
App-ID processing time is increased.

Answer: B

Reference: <https://live.paloaltonetworks.com/t5/Learning-Articles/Tips-amp-Tricks-How-to-Create->

an-Application-Override/ta-p/65513

QUESTION NO: 48

Which Security policy rule will allow an admin to block facebook chat but allow Facebook in general?

- A.**
Deny application facebook-chat before allowing application facebook
- B.**
Deny application facebook on top
- C.**
Allow application facebook on top
- D.**
Allow application facebook before denying application facebook-chat

Answer: A

Reference: <https://live.paloaltonetworks.com/t5/Configuration-Articles/Failed-to-Block-Facebook-Chat-Consistently/ta-p/115673>

QUESTION NO: 49

A client is concerned about resource exhaustion because of denial-of-service attacks against their DNS servers.

Which option will protect the individual servers?

- A.**
Enable packet buffer protection on the Zone Protection Profile.
- B.**
Apply an Anti-Spyware Profile with DNS sinkholing.
- C.**
Use the DNS App-ID with application-default.
- D.**

Apply a classified DoS Protection Profile.

Answer: A

Explanation:

QUESTION NO: 50

If the firewall is configured for credential phishing prevention using the "Domain Credential Filter" method, which login will be detected as credential theft?

A.

Mapping to the IP address of the logged-in user.

B.

First four letters of the username matching any valid corporate username.

C.

Using the same user's corporate username and password.

D.

Matching any valid corporate username.

Answer: A

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/newfeaturesguide/content-inspection-features/credential-phishing-prevention>

QUESTION NO: 51

An administrator has users accessing network resources through Citrix XenApp 7 x.

Which User-ID mapping solution will map multiple users who are using Citrix to connect to the network and access resources?

A.

Client Probing

B.

Terminal Services agent

C.

GlobalProtect

D.
Syslog Monitoring

Answer: B

Explanation:

QUESTION NO: 52

An administrator needs to upgrade a Palo Alto Networks NGFW to the most current version of PAN-OS® software. The firewall has internet connectivity through an Ethernet interface, but no internet connectivity from the management interface. The Security policy has the default security rules and a rule that allows all web-browsing traffic from any to any zone.

What must the administrator configure so that the PAN-OS® software can be upgraded?

A.
Security policy rule

B.
CRL

C.
Service route

D.
Scheduler

Answer: A

Explanation:

QUESTION NO: 53

Which feature prevents the submission of corporate login information into website forms?

A.
Data filtering

B.

User-ID

C.

File blocking

D.

Credential phishing prevention

Answer: D

Reference: <https://www.paloaltonetworks.com/cyberpedia/how-the-next-generation-security-platform-contributes-to-gdpr-compliance>

QUESTION NO: 54

Which option is part of the content inspection process?

A.

Packet forwarding process

B.

SSL Proxy re-encrypt

C.

IPsec tunnel encryption

D.

Packet egress process

Answer: B

Explanation:

QUESTION NO: 55

In a virtual router, which object contains all potential routes?

A.

MIB

B.

RIB

C.
SIP

D.
FIB

Answer: B

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/networking/virtual-routers>

QUESTION NO: 56

An administrator creates an SSL decryption rule decrypting traffic on all ports. The administrator also creates a Security policy rule allowing only the applications DNS, SSL, and web-browsing.

The administrator generates three encrypted BitTorrent connections and checks the Traffic logs. There are three entries. The first entry shows traffic dropped as application Unknown. The next two entries show traffic allowed as application SSL.

Which action will stop the second and subsequent encrypted BitTorrent connections from being allowed as SSL?

A.
Create a decryption rule matching the encrypted BitTorrent traffic with action “No-Decrypt,” and place the rule at the top of the Decryption policy.

B.
Create a Security policy rule that matches application “encrypted BitTorrent” and place the rule at the top of the Security policy.

C.
Disable the exclude cache option for the firewall.

D.
Create a Decryption Profile to block traffic using unsupported cyphers, and attach the profile to the decryption rule.

Answer: B

Explanation:

QUESTION NO: 57

Refer to the exhibit.

Name	Location	Subject	Issuer	CA	Key	Expires	Status	Algorithm	Usage
Domain-Root-Cert	vsys1	DC=local, DC=lab, CN=lab-DEMO-2008R2-CA	DC=local, DC=lab, CN=lab-DEMO-2008R2-CA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Nov 1 00:34:47 2021 GMT	valid	RSA	Trusted Root CA Certificate
Domain Sub-CA	vsys1	CN=sca.lab.local	DC=local, DC=lab, CN=lab-DEMO-2008R2-CA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Jun 6 20:59:38 2019 GMT	valid	RSA	
Forward_Trust	vsys1	CN=fwdtrust.la...	CN=sca.lab.local	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Jun 6 21:09:49 2018 GMT	valid	RSA	

Which certificates can be used as a Forward Trust certificate?

- A.**
Certificate from Default Trust Certificate Authorities
- B.**
Domain Sub-CA
- C.**
Forward_Trust
- D.**
Domain-Root-Cert

Answer: A

Explanation:

QUESTION NO: 58

Which option would an administrator choose to define the certificate and protocol that Panorama and its managed devices use for SSL/TLS services?

- A.**
Configure a Decryption Profile and select SSL/TLS services.
- B.**
Set up SSL/TLS under Policies > Service/URL Category>Service.
- C.**
Set up Security policy rule to allow SSL communication.
- D.**
Configure an SSL/TLS Profile.

Answer: D

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/web-interface-help/device/device-certificate-management-sslTls-service-profile>

QUESTION NO: 59

Which menu item enables a firewall administrator to see details about traffic that is currently active through the NGFW?

- A.**
ACC
- B.**
System Logs
- C.**
App Scope
- D.**
Session Browser

Answer: D

Explanation:

QUESTION NO: 60

Which protection feature is available only in a Zone Protection Profile?

- A.**
SYN Flood Protection using SYN Flood Cookies
- B.**
ICMP Flood Protection
- C.**
Port Scan Protection
- D.**
UDP Flood Protections

Answer: A

Explanation:

QUESTION NO: 61

Which CLI command can be used to export the tcpdump capture?

A.

scp export tcpdump from mgmt.pcap to <username@host:path>

B.

scp extract mgmt-pcap from mgmt.pcap to <username@host:path>

C.

scp export mgmt-pcap from mgmt.pcap to <username@host:path>

D.

download mgmt-pcap

Answer: C

reference: <https://live.paloaltonetworks.com/t5/Management-Articles/How-To-Packet-Capture-tcpdump-On-Management-Interface/ta-p/55415>

QUESTION NO: 62

An administrator has configured the Palo Alto Networks NGFW's management interface to connect to the internet through a dedicated path that does not traverse back through the NGFW itself.

Which configuration setting or step will allow the firewall to get automatic application signature updates?

A.

A scheduler will need to be configured for application signatures.

B.

A Security policy rule will need to be configured to allow the update requests from the firewall to the update servers.

C.

A Threat Prevention license will need to be installed.

D.

A service route will need to be configured.

Answer: D

Explanation:

The firewall uses the service route to connect to the Update Server and checks for new content release versions and, if there are updates available, displays them at the top of the list.

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/web-interface-help/device/device-dynamic-updates>

QUESTION NO: 63

Which three options are supported in HA Lite? (Choose three.)

A.

Virtual link

B.

Active/passive deployment

C.

Synchronization of IPsec security associations

D.

Configuration synchronization

E.

Session synchronization

Answer: B,C,D

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/web-interface-help/device/device-high-availability/ha-lite>

QUESTION NO: 64

Which CLI command enables an administrator to view details about the firewall including uptime,

PAN-OS® version, and serial number?

- A.**
debug system details
- B.**
show session info
- C.**
show system info
- D.**
show system details

Answer: C

Reference: <https://live.paloaltonetworks.com/t5/Learning-Articles/Quick-Reference-Guide-Helpful-Commands/ta-p/56511>

QUESTION NO: 65

During the packet flow process, which two processes are performed in application identification?
(Choose two.)

- A.**
Pattern based application identification
- B.**
Application override policy match
- C.**
Application changed from content inspection
- D.**
Session application identified.

Answer: B,D

Explanation:

QUESTION NO: 66

Which tool provides an administrator the ability to see trends in traffic over periods of time, such as
<https://t.me/learningnets> "Everything is under control" - www.pass4sure.com

threats detected in the last 30 days?

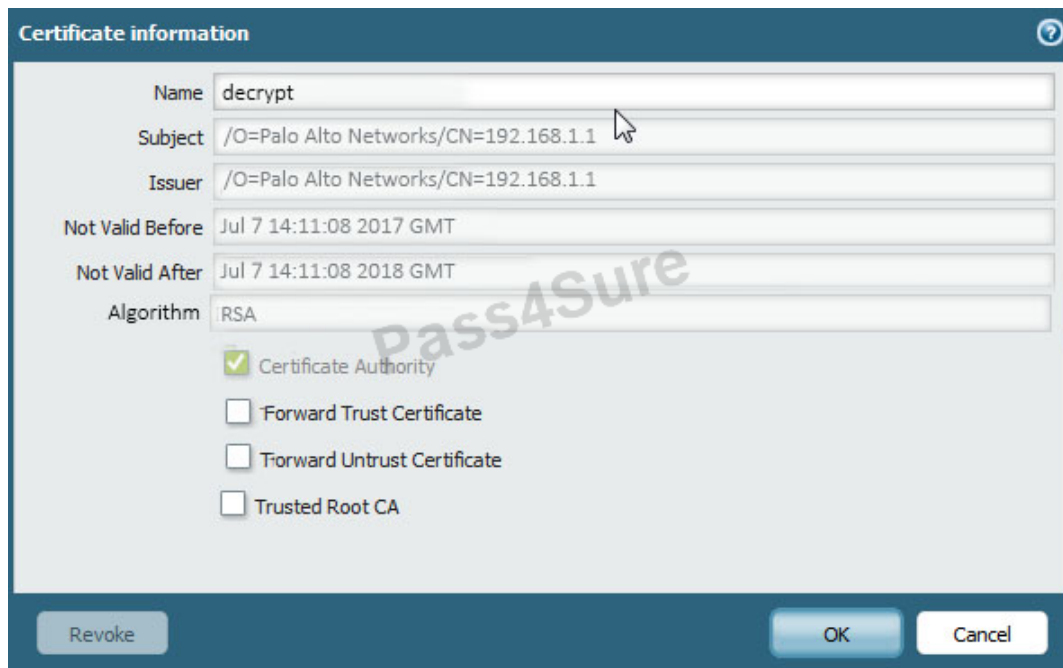
- A. Session Browser
- B. Application Command Center
- C. TCP Dump
- D. Packet Capture

Answer: B

Reference: <https://live.paloaltonetworks.com/t5/Management-Articles/Tips-and-Tricks-How-to-Use-the-Application-Command-Center-ACC/ta-p/67342>

QUESTION NO: 67

The certificate information displayed in the following image is for which type of certificate?



- A. Forward Trust certificate
- B. Self-Signed Root CA certificate

C.
Web Server certificate

D.
Public CA signed certificate

Answer: B

Explanation:

QUESTION NO: 68

Which three steps will reduce the CPU utilization on the management plane? (Choose three.)

A.
Disable SNMP on the management interface.

B.
Application override of SSL application.

C.
Disable logging at session start in Security policies.

D.
Disable predefined reports.

E.
Reduce the traffic being decrypted by the firewall.

Answer: C,D,E

Explanation:

QUESTION NO: 69

Which feature must you configure to prevent users from accidentally submitting their corporate credentials to a phishing website?

A.
URL Filtering profile

B.
Zone Protection profile

C.
Anti-Spyware profile

D.
Vulnerability Protection profile

Answer: A

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/threat-prevention/prevent-credential-phishing>

QUESTION NO: 70

How can a candidate or running configuration be copied to a host external from Panorama?

A.
Commit a running configuration.

B.
Save a configuration snapshot.

C.
Save a candidate configuration.

D.
Export a named configuration snapshot.

Answer: D

Reference: <https://live.paloaltonetworks.com/t5/Configuration-Articles/How-to-Schedule-Configuration-Export-on-Panorama/ta-p/61731>

QUESTION NO: 71

If an administrator does not possess a website's certificate, which SSL decryption mode will allow the Palo Alto networks NGFW to inspect traffic when users browse to HTTP(S) websites?

A.
SSL Forward Proxy

B.
SSL Inbound Inspection

C.
TLS Bidirectional proxy

D.
SSL Outbound Inspection

Answer: B

Explanation:

QUESTION NO: 72

An administrator sees several inbound sessions identified as unknown-tcp in the Traffic logs. The administrator determines that these sessions are from external users accessing the company's proprietary accounting application. The administrator wants to reliably identify this traffic as their accounting application and to scan this traffic for threats.

Which option would achieve this result?

A.
Create a custom App-ID and enable scanning on the advanced tab.

B.
Create an Application Override policy.

C.
Create a custom App-ID and use the "ordered conditions" check box.

D.
Create an Application Override policy and custom threat signature for the application.

Answer: A

Explanation:

QUESTION NO: 73

The administrator has enabled BGP on a virtual router on the Palo Alto Networks NGFW, but new routes do not seem to be populating the virtual router.

Which two options would help the administrator troubleshoot this issue? (Choose two.)

- A.**
View the System logs and look for the error messages about BGP.
- B.**
Perform a traffic pcap on the NGFW to see any BGP problems.
- C.**
View the Runtime Stats and look for problems with BGP configuration.
- D.**
View the ACC tab to isolate routing issues.

Answer: C,D

Explanation:

QUESTION NO: 74

An administrator has enabled OSPF on a virtual router on the NGFW. OSPF is not adding new routes to the virtual router.

Which two options enable the administrator to troubleshoot this issue? (Choose two.)

- A.**
View Runtime Stats in the virtual router.
- B.**
View System logs.
- C.**
Add a redistribution profile to forward as BGP updates.
- D.**
Perform a traffic pcap at the routing stage.

Answer: A,B

Explanation:

QUESTION NO: 75

Which three firewall states are valid? (Choose three.)

- A.**
Active
- B.**
Functional
- C.**
Pending
- D.**
Passive
- E.**
Suspended

Answer: A,D,E

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/high-availability/ha-firewall-states>

QUESTION NO: 76

Which virtual router feature determines if a specific destination IP address is reachable?

- A.**
Heartbeat Monitoring
- B.**
Failover
- C.**
Path Monitoring
- D.**
Ping-Path

Answer: C

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/policy/policy-based-forwarding/pbf/path-monitoring-for-pbf>

QUESTION NO: 77

An administrator has a requirement to export decrypted traffic from the Palo Alto Networks NGFW to a third-party, deep-level packet inspection appliance.

Which interface type and license feature are necessary to meet the requirement?

- A.**
Decryption Mirror interface with the Threat Analysis license
- B.**
Virtual Wire interface with the Decryption Port Export license
- C.**
Tap interface with the Decryption Port Mirror license
- D.**
Decryption Mirror interface with the associated Decryption Port Mirror license

Answer: D

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/decryption/decryption-concepts/decryption-mirroring>

QUESTION NO: 78

When is the content inspection performed in the packet flow process?

- A.**
after the application has been identified
- B.**
before session lookup
- C.**
before the packet forwarding process
- D.**
after the SSL Proxy re-encrypts the packet

Answer: A

Reference:

<https://live.paloaltonetworks.com/t5/Learning-Articles/Packet-Flow-Sequence-in-PAN-OS/ta-p/56081>

QUESTION NO: 79

An administrator has created an SSL Decryption policy rule that decrypts SSL sessions on any port.

Which log entry can the administrator use to verify that sessions are being decrypted?

- A.**
In the details of the Traffic log entries
- B.**
Decryption log
- C.**
Data Filtering log
- D.**
In the details of the Threat log entries

Answer: A

Reference: <https://live.paloaltonetworks.com/t5/Configuration-Articles/How-to-Implement-and-Test-SSL-Decryption/ta-p/59719>

QUESTION NO: 80

An administrator has been asked to configure a Palo Alto Networks NGFW to provide protection against external hosts attempting to exploit a flaw in an operating system on an internal system.

Which Security Profile type will prevent this attack?

- A.**
Vulnerability Protection
- B.**
Anti-Spyware
- C.**
URL Filtering

D.
Antivirus

Answer: A

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/web-interface-help/objects/objects-security-profiles-vulnerability-protection>

QUESTION NO: 81

Which processing order will be enabled when a Panorama administrator selects the setting “Objects defined in ancestors will take higher precedence?”

- A.**
Descendant objects will take precedence over other descendant objects.
- B.**
Descendant objects will take precedence over ancestor objects.
- C.**
Ancestor objects will have precedence over descendant objects.
- D.**
Ancestor objects will have precedence over other ancestor objects.

Answer: C

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/web-interface-help/device/device-setup-management>

QUESTION NO: 82

An administrator using an enterprise PKI needs to establish a unique chain of trust to ensure mutual authentication between Panorama and the managed firewalls and Log Collectors.

How would the administrator establish the chain of trust?

- A.**
Use custom certificates

- B.**
Enable LDAP or RADIUS integration
- C.**
Set up multi-factor authentication
- D.**
Configure strong password authentication

Answer: A

Reference:

https://www.paloaltonetworks.com/documentation/80/panorama/panorama_adminguide/panorama-overview/plan-your-panorama-deployment

QUESTION NO: 83

What will be the egress interface if the traffic's ingress interface is ethernet1/6 sourcing from 192.168.111.3 and to the destination 10.46.41.113 during the time shown in the image?

```

admin@Lab33-111-PA-3060(active)> show clock
Thu Jun  8 12:49:55 PDT 2017
#####
admin@Lab33-111-PA-3060(active)# show vsys vsys1 rulebase pbf rules test-pbf
test-pbf {
  action {
    forward {
      egress-interface ethernet1/5;
    }
  }
  from {
    zone L3-Trust;
  }
  enforce-symmetric-return {
    enabled no;
  }
  source 192.168.111.3;
  destination 10.46.41.113;
  source-user any;
  application any;
  service any;
  schedule schedule-pbf;
}
#####
admin@Lab33-111-PA-3060(active)# show vsys vsys1 schedule schedule-pbf
schedule-pbf {
  schedule-type {
    recurring {
      daily 16:00-21:00;
    }
  }
}
#####
admin@Lab33-111-PA-3060(active)> show routing fib
id      destination      nexthop      flags  interface      mtu
-----
47      0.0.0.0/0        10.46.40.1   ug     ethernet1/3    1500
67      10.10.20.0/24    0.0.0.0     u      ethernet1/7    1500
66      10.10.20.111/32  0.0.0.0     uh     ethernet1/7    1500
46      10.46.40.0/23    0.0.0.0     u      ethernet1/3    1500
49      10.46.44.0/23    0.0.0.0     u      ethernet1/5    1500
45      10.46.41.111/32  0.0.0.0     uh     ethernet1/3    1500
70      10.46.41.113/32  10.46.40.1   ug     ethernet1/3    1500
48      10.46.45.111/32  0.0.0.0     uh     ethernet1/5    1500
51      192.168.111.0/24 0.0.0.0     u      ethernet1/6    1500
50      192.168.111.2/32 0.0.0.0     uh     ethernet1/6    1500
-----

```

- A.
ethernet1/7
- B.
ethernet1/5
- C.
ethernet1/6
- D.
ethernet1/3

Answer: D

Explanation:

QUESTION NO: 84

Refer to the exhibit. A web server in the DMZ is being mapped to a public address through DNAT.



Which Security policy rule will allow traffic to flow to the web server?

- A.**
Untrust (any) to Untrust (10. 1.1. 100), web browsing – Allow
- B.**
Untrust (any) to Untrust (1. 1. 1. 100), web browsing – Allow
- C.**
Untrust (any) to DMZ (1. 1. 1. 100), web browsing – Allow
- D.**
Untrust (any) to DMZ (10. 1. 1. 100), web browsing – Allow

Answer: C

Explanation:

QUESTION NO: 85

A web server is hosted in the DMZ and the server is configured to listen for incoming connections on TCP port 443. A Security policies rules allowing access from the Trust zone to the DMZ zone needs to be configured to allow web-browsing access. The web server hosts its contents over HTTP(S). Traffic from Trust to DMZ is being decrypted with a Forward Proxy rule.

Which combination of service and application, and order of Security policy rules, needs to be configured to allow cleartext web-browsing traffic to this server on tcp/443?

A.

Rule #1: application: web-browsing; service: application-default; action: allow

Rule #2: application: ssl; service: application-default; action: allow

B.

Rule #1: application: web-browsing; service: service-https; action: allow

Rule #2: application: ssl; service: application-default; action: allow

C.

Rule # 1: application: ssl; service: application-default; action: allow

Rule #2: application: web-browsing; service: application-default; action: allow

D.

Rule #1: application: web-browsing; service: service-http; action: allow

Rule #2: application: ssl; service: application-default; action: allow

Answer: A

Explanation:

QUESTION NO: 86

Which two options prevent the firewall from capturing traffic passing through it? (Choose two.)

A.

The firewall is in multi-vsyz mode.

B.

The traffic is offloaded.

C.

The traffic does not match the packet capture filter.

D.

The firewall's DP CPU is higher than 50%.

Answer: B,C

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/monitoring/take-packet-captures/disable-hardware-offload>

QUESTION NO: 87

A global corporate office has a large-scale network with only one User-ID agent, which creates a bottleneck near the User-ID agent server.

Which solution in PAN-OS® software would help in this case?

- A.**
application override
- B.**
Virtual Wire mode
- C.**
content inspection
- D.**
redistribution of user mappings

Answer: D

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/user-id/deploy-user-id-in-a-large-scale-network>

QUESTION NO: 88

An administrator has been asked to create 100 virtual firewalls in a local, on-premise lab environment (not in “the cloud”). Bootstrapping is the most expedient way to perform this task.

Which option describes deployment of a bootstrap package in an on-premise virtual environment?

- A.**
Use config-drive on a USB stick.
- B.**
Use an S3 bucket with an ISO.
- C.**
Create and attach a virtual hard disk (VHD).

D.

Use a virtual CD-ROM with an ISO.

Answer: D

Reference: <https://www.paloaltonetworks.com/documentation/80/virtualization/virtualization/set-up-the-vm-series-firewall-on-kvm/install-the-vm-series-firewall-on-kvm/use-an-iso-file-to-deploy-the-vm-series-firewall>

QUESTION NO: 89

Which two benefits come from assigning a Decryption Profile to a Decryption policy rule with a “No Decrypt” action? (Choose two.)

A.

Block sessions with expired certificates

B.

Block sessions with client authentication

C.

Block sessions with unsupported cipher suites

D.

Block sessions with untrusted issuers

E.

Block credential phishing

Answer: A,D

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/decryption/define-traffic-to-decrypt/create-a-decryption-profile>

QUESTION NO: 90

Which User-ID method should be configured to map IP addresses to usernames for users connected through a terminal server?

A.

port mapping

B.

server monitoring

C.

client probing

D.

XFF headers

Answer: A

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/user-id/map-ip-addresses-to-users/configure-user-mapping-for-terminal-server-users>

QUESTION NO: 91

Which feature can be configured on VM-Series firewalls?

A.

aggregate interfaces

B.

machine learning

C.

multiple virtual systems

D.

GlobalProtect

Answer: D

Explanation:

QUESTION NO: 92

In High Availability, which information is transferred via the HA data link?

A.

session information

B.

heartbeats

C.

HA state information

D.

User-ID information

Answer: A

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/high-availability/ha-concepts/ha-links-and-backup-links>

QUESTION NO: 93

The firewall identifies a popular application as an unknown-tcp.

Which two options are available to identify the application? (Choose two.)

A.

Create a custom application.

B.

Create a custom object for the custom application server to identify the custom application.

C.

Submit an Apple-ID request to Palo Alto Networks.

D.

Create a Security policy to identify the custom application.

Answer: A

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/app-id/use-application-objects-in-policy/create-a-custom-application>

QUESTION NO: 94

If an administrator wants to decrypt SMTP traffic and possesses the server's certificate, which SSL decryption mode will allow the Palo Alto Networks NGFW to inspect traffic to the server?

- A.**
TLS Bidirectional Inspection
- B.**
SSL Inbound Inspection
- C.**
SSH Forward Proxy
- D.**
SMTP Inbound Decryption

Answer: B

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/decryption/configure-ssl-inbound-inspection>

QUESTION NO: 95

A client has a sensitive application server in their data center and is particularly concerned about resource exhaustion because of distributed denial-of-service attacks.

How can the Palo Alto Networks NGFW be configured to specifically protect this server against resource exhaustion originating from multiple IP addresses (DDoS attack)?

- A.**
Define a custom App-ID to ensure that only legitimate application traffic reaches the server.
- B.**
Add a Vulnerability Protection Profile to block the attack.
- C.**
Add QoS Profiles to throttle incoming requests.
- D.**
Add a DoS Protection Profile with defined session count.

Answer: D

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/zone-protection-and-dos-protection/zone-defense/dos-protection-profiles-and-policy-rules/dos-protection-profiles>

QUESTION NO: 96

Which two methods can be used to verify firewall connectivity to AutoFocus? (Choose two.)

- A.**
Verify AutoFocus status using CLI "test" command.
- B.**
Check the WebUI Dashboard AutoFocus widget.
- C.**
Check for WildFire forwarding logs.
- D.**
Check the license
- E.**
Verify AutoFocus is enabled below Device Management tab.

Answer: D,E

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/getting-started/enable-autofocus-threat-intelligence>

QUESTION NO: 97

Which CLI command enables an administrator to check the CPU utilization of the dataplane?

- A.**
show running resource-monitor
- B.**
debug data-plane dp-cpu
- C.**
show system resources
- D.**
debug running resources

Answer: A

Explanation:

QUESTION NO: 98

Which DoS protection mechanism detects and prevents session exhaustion attacks?

- A.**
Packet Based Attack Protection
- B.**
Flood Protection
- C.**
Resource Protection
- D.**
TCP Port Scan Protection

Answer: C

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/zone-protection-and-dos-protection/zone-defense/dos-protection-profiles-and-policy-rules/dos-protection-profiles>

QUESTION NO: 99

Which two subscriptions are available when configuring panorama to push dynamic updates to connected devices? (Choose two.)

- A.**
Content-ID
- B.**
User-ID
- C.**
Applications and Threats
- D.**
Antivirus

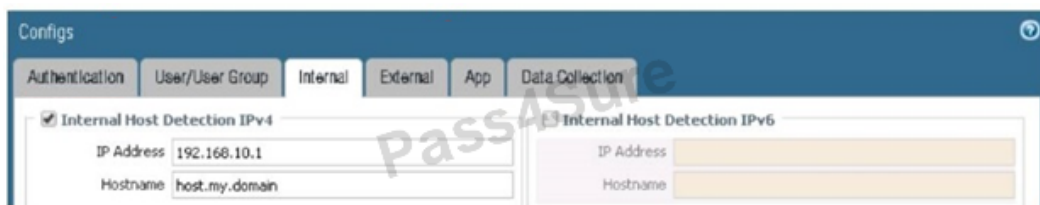
Answer: C,D

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/web-interface-help/device/device-dynamic-updates>

QUESTION NO: 100

View the GlobalProtect configuration screen capture.

What is the purpose of this configuration?



A.

It configures the tunnel address of all internal clients to an IP address range starting at 192.168.10.1.

B.

It forces an internal client to connect to an internal gateway at IP address 192.168.10.1.

C.

It enables a client to perform a reverse DNS lookup on 192.168.10.1 to detect that it is an internal client.

D.

It forces the firewall to perform a dynamic DNS update, which adds the internal gateway's hostname and IP address to the DNS server.

Answer: C

Reference: <https://www.paloaltonetworks.com/documentation/80/globalprotect/globalprotect-admin-guide/globalprotect-portals/define-the-globalprotect-client-authentication-configurations/define-the-globalprotect-agent-configurations>

QUESTION NO: 101

Which three user authentication services can be modified to provide the Palo Alto Networks NGFW with both usernames and role names? (Choose three.)

A.
TACACS+

B.
Kerberos

C.
PAP

D.
LDAP

E.
SAML

F.
RADIUS

Answer: A,D,F

Explanation:

QUESTION NO: 102

What is exchanged through the HA2 link?

A.
hello heartbeats

B.
User-ID information

C.
session synchronization

D.
HA state information

Answer: C

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/high-availability/ha-concepts/ha-links-and-backup-links>

QUESTION NO: 103

Which prerequisite must be satisfied before creating an SSH proxy Decryption policy?

- A.**
Both SSH keys and SSL certificates must be generated.
- B.**
No prerequisites are required.
- C.**
SSH keys must be manually generated.
- D.**
SSL certificates must be generated.

Answer: B

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/decryption/configure-ssh-proxy>

QUESTION NO: 104

A customer wants to combine multiple Ethernet interfaces into a single virtual interface using link aggregation.

Which two formats are correct for naming aggregate interfaces? (Choose two.)

- A.**
ae.8
- B.**
aggregate.1
- C.**
ae.1
- D.**
aggregate.8

Answer: A,C

Explanation:

QUESTION NO: 105

Which three authentication factors does PAN-OS® software support for MFA? (Choose three.)

- A.**
Push
- B.**
Pull
- C.**
Okta Adaptive
- D.**
Voice
- E.**
SMS

Answer: A,D,E

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/authentication/configure-multi-factor-authentication>

QUESTION NO: 106

VPN traffic intended for an administrator's Palo Alto Networks NGFW is being maliciously intercepted and retransmitted by the interceptor.

When creating a VPN tunnel, which protection profile can be enabled to prevent this malicious behavior?

- A.**
Zone Protection
- B.**
Replay

C.
Web Application

D.
DoS Protection

Answer: A

Explanation:

QUESTION NO: 107

Which Zone Pair and Rule Type will allow a successful connection for a user on the Internet zone to a web server hosted on the DMZ zone? The web server is reachable using a Destination NAT policy in the Palo Alto Networks firewall.

A.

Zone Pair:

Source Zone: Internet

Destination Zone: Internet

Rule Type:

'intrazone'

B.

Zone Pair:

Source Zone: Internet

Destination Zone: DMZ

Rule Type:

'interzone' or 'universal'

C.

Zone Pair:

Source Zone: Internet

Destination Zone: Internet

Rule Type:

'intrazone' or 'universal'

D.

Zone Pair:

Source Zone: Internet

Destination Zone: DMZ

Rule Type:

'intrazone'

Answer: B

Explanation:

QUESTION NO: 108

An administrator has configured a QoS policy rule and a QoS Profile that limits the maximum allowable bandwidth for the YouTube application. However, YouTube is consuming more than the maximum bandwidth allotment configured.

Which configuration step needs to be configured to enable QoS?

A.

Enable QoS interface

B.

Enable QoS in the Interface Management Profile

C.

Enable QoS Data Filtering Profile

D.

Enable QoS monitor

Answer: A

Explanation:

QUESTION NO: 109

Which log file can be used to identify SSL decryption failures?

- A.**
Traffic
- B.**
ACC
- C.**
Configuration
- D.**
Threats

Answer: A

Explanation:

QUESTION NO: 110

A customer wants to set up a site-to-site VPN using tunnel interfaces.

Which two formats are correct for naming tunnel interfaces? (Choose two.)

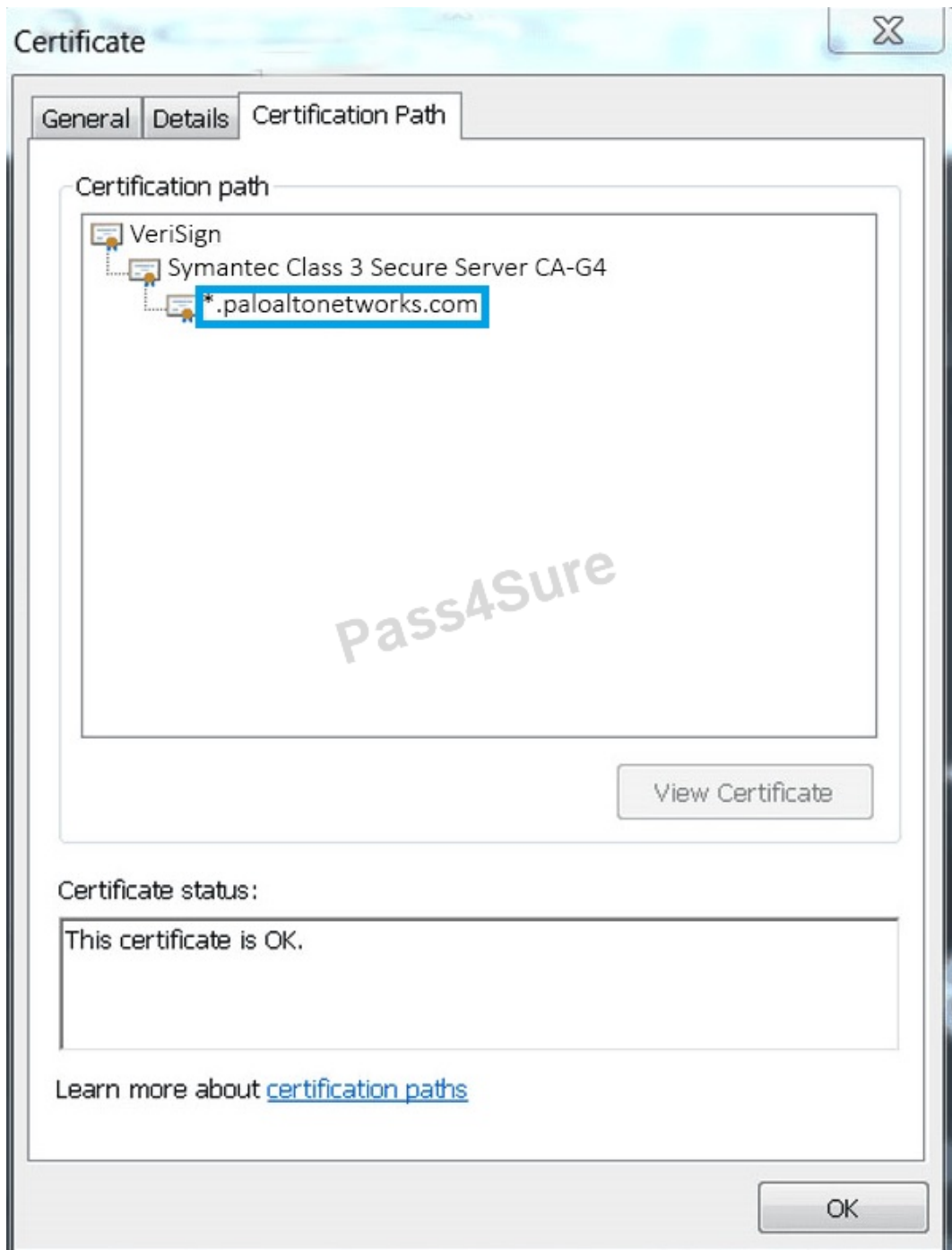
- A.**
tunnel.1
- B.**
vpn-tunnel.1
- C.**
tunnel.1025
- D.**
vpn-tunnel.1024

Answer: A,C

Explanation:

QUESTION NO: 111

Based on the following image, what is the correct path of root, intermediate, and end-user certificate?



A.
Palo Alto Networks > Symantec > VeriSign

- B.**
VeriSign > Symantec > Palo Alto Networks
- C.**
Symantec > VeriSign > Palo Alto Networks
- D.**
VeriSign > Palo Alto Networks > Symantec

Answer: C

Explanation:

QUESTION NO: 112

An administrator wants a new Palo Alto Networks NGFW to obtain automatic application updates daily, so it is configured to use a scheduler for the application database. Unfortunately, they required the management network to be isolated so that it cannot reach the Internet.

Which configuration will enable the firewall to download and install application updates automatically?

- A.**
Download and install application updates cannot be done automatically if the MGT port cannot reach the Internet.
- B.**
Configure a service route for Palo Alto Networks Services that uses a dataplane interface that can route traffic to the Internet, and create a Security policy rule to allow the traffic from that interface to the update servers if necessary.
- C.**
Configure a Policy Based Forwarding policy rule for the update server IP address so that traffic sourced from the management interfaced destined for the update servers goes out of the interface acting as your Internet connection.
- D.**
Configure a Security policy rule to allow all traffic to and from the update servers.

Answer: B

Explanation:

QUESTION NO: 113

A company wants to install a PA-3060 firewall between two core switches on a VLAN trunk link. They need to assign each VLAN to its own zone and assign untagged (native) traffic to its own zone.

Which option differentiates multiple VLANs into separate zones?

- A.**
Create V-Wire objects with two V-Wire interfaces and define a range of "0-4096" in the "Tag Allowed" field of the V-Wire object.
- B.**
Create V-Wire objects with two V-Wire subinterfaces and assign only a single VLAN ID to the "Tag Allowed" field of the V-Wire object. Repeat for every additional VLAN and use a VLAN ID of 0 for untagged traffic. Assign each interface/subinterface to a unique zone.
- C.**
Create Layer 3 subinterfaces that are each assigned to a single VLAN ID and a common virtual router. The physical Layer 3 interface would handle untagged traffic. Assign each interface/subinterface to a unique zone. Do not assign any interface an IP address.
- D.**
Create VLAN objects for each VLAN and assign VLAN interfaces matching each VLAN ID. Repeat for every additional VLAN and use a VLAN ID of 0 for untagged traffic. Assign each interface/subinterface to a unique zone.

Answer: C

Explanation:

QUESTION NO: 114

Which data flow describes redistribution of user mappings?

- A.**
User-ID agent to firewall
- B.**
Domain Controller to User-ID agent
- C.**
User-ID agent to Panorama

D.
firewall to firewall

Answer: A

Explanation:

QUESTION NO: 115

Where can an administrator see both the management plane and data plane CPU utilization in the WebUI?

A.
System Utilization log

B.
System log

C.
Resources widget

D.
CPU Utilization widget

Answer: C

Explanation:

QUESTION NO: 116

Which four NGFW multi-factor authentication factors are supported by PAN-OS®? (Choose four.)

A.
Short message service

B.
Push

C.
User logon

D.

Voice

E.
SSH key

F.
One-Time Password

Answer: A,B,D,F

Explanation:

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/authentication/configure-multi-factor-authentication>

QUESTION NO: 117

Which two features does PAN-OS® software use to identify applications? (Choose two.)

A.
transaction characteristics

B.
session number

C.
port number

D.
application layer payload

Answer: A,D

Explanation:

QUESTION NO: 118

An administrator wants to upgrade an NGFW from PAN-OS® 7.1.2 to PAN-OS® 8.1.0. The firewall is not a part of an HA pair.

What needs to be updated first?

- A.**
Applications and Threats
- B.**
XML Agent
- C.**
WildFire
- D.**
PAN-OS® Upgrade Agent

Answer: C

Explanation:

QUESTION NO: 119

When backing up and saving configuration files, what is achieved using only the firewall and is not available in Panorama?

- A.**
Load configuration version
- B.**
Save candidate config
- C.**
Export device state
- D.**
Load named configuration snapshot

Answer: C

Explanation:

QUESTION NO: 120

Which two settings can be configured only locally on the firewall and not pushed from a Panorama template or template stack? (Choose two.)

- A.**
HA1 IP Address
- B.**
Master Key
- C.**
Zone Protection Profile
- D.**
Network Interface Type

Answer: A,B

Explanation:

QUESTION NO: 121

An administrator just submitted a newly found piece of spyware for WildFire analysis. The spyware monitors behavior without the user's knowledge.

What is the expected verdict from WildFire?

- A.**
Malware
- B.**
Grayware
- C.**
Phishing
- D.**
Spyware

Answer: B

Explanation:

QUESTION NO: 122

When configuring the firewall for packet capture, what are the valid stage types?

- A.**
receive, management, transmit, and non-syn
- B.**
receive, management, transmit, and drop
- C.**
receive, firewall, send, and non-syn
- D.**
receive, firewall, transmit, and drop

Answer: D

Explanation:

QUESTION NO: 123

Which operation will impact performance of the management plane?

- A.**
DoS protection
- B.**
WildFire submissions
- C.**
generating a SaaS Application report
- D.**
decrypting SSL sessions

Answer: D

Explanation:

QUESTION NO: 124

Which User-ID method maps IP addresses to usernames for users connecting through a web proxy that has already authenticated the user?

- A.**

syslog listening

B.

server monitoring

C.

client probing

D.

port mapping

Answer: A

Explanation:

QUESTION NO: 125

The firewall determines if a packet is the first packet of a new session or if a packet is part of an existing session using which kind of match?

A.

6-tuple match:

Source IP Address, Destination IP Address, Source port, Destination Port, Protocol, and Source Security Zone

B.

5-tuple match:

Source IP Address, Destination IP Address, Source port, Destination Port, Protocol

C.

7-tuple match:

Source IP Address, Destination IP Address, Source port, Destination Port, Source User, URL Category, and Source Security Zone

D.

9-tuple match:

Source IP Address, Destination IP Address, Source port, Destination Port, Source User, Source Security Zone, Destination Security Zone, Application, and URL Category

Answer: A

Explanation:

QUESTION NO: 126

Which GlobalProtect Client connect method requires the distribution and use of machine certificates?

- A.**
At-boot
- B.**
Pre-logon
- C.**
User-logon (Always on)
- D.**
On-demand

Answer: B

Explanation:

QUESTION NO: 127

Which feature can provide NGFWs with User-ID mapping information?

- A.**
Web Captcha
- B.**
Native 802.1q authentication
- C.**
GlobalProtect
- D.**
Native 802.1x authentication

Answer: C

Explanation:

QUESTION NO: 128

Which Panorama administrator types require the configuration of at least one access domain?
(Choose two.)

- A.**
Role Based
- B.**
Custom Panorama Admin
- C.**
Device Group
- D.**
Dynamic
- E.**
Template Admin

Answer: C,E

Explanation:

QUESTION NO: 129

Which option enables a Palo Alto Networks NGFW administrator to schedule Application and Threat updates while applying only new content IDs to traffic?

- A.**
Select download-and-install
- B.**
Select download-only
- C.**
Select download-and-install, with "Disable new apps in content update" selected
- D.**
Select disable application updates and select "Install only Threat updates"

Answer: A

Explanation:

QUESTION NO: 130

Which is the maximum number of samples that can be submitted to WildFire per day, based on a WildFire subscription?

- A.**
10,000
- B.**
15,000
- C.**
7,500
- D.**
5,000

Answer: A

Explanation:

QUESTION NO: 131

In which two types of deployment is active/active HA configuration supported? (Choose two.)

- A.**
Layer 3 mode
- B.**
TAP mode
- C.**
Virtual Wire mode
- D.**
Layer 2 mode

Answer: A,C

Explanation:

QUESTION NO: 132

For which two reasons would a firewall discard a packet as part of the packet flow sequence?
(Choose two.)

- A.**
ingress processing errors
- B.**
rule match with action “deny”
- C.**
rule match with action “allow”
- D.**
equal-cost multipath

Answer: A,B

Explanation:

QUESTION NO: 133

Which logs enable a firewall administrator to determine whether a session was decrypted?

- A.**
Traffic
- B.**
Security Policy
- C.**
Decryption
- D.**
Correlated Event

Answer: A

Explanation:

QUESTION NO: 134

An administrator needs to upgrade an NGFW to the most current version of PAN-OS® software. The following is occurring:

Firewall has internet connectivity through e 1/1.

Default security rules and security rules allowing all SSL and web-browsing traffic to and from any zone.

Service route is configured, sourcing update traffic from e1/1.

A communication error appears in the System logs when updates are performed.

Download does not complete.

What must be configured to enable the firewall to download the current version of PAN-OS software?

- A.**
Static route pointing application PaloAlto-updates to the update servers
- B.**
Security policy rule allowing PaloAlto-updates as the application
- C.**
Scheduler for timed downloads of PAN-OS software
- D.**
DNS settings for the firewall to use for resolution

Answer: D

Explanation:

QUESTION NO: 135

A client has a sensitive application server in their data center and is particularly concerned about session flooding because of denial-of-service attacks.

How can the Palo Alto Networks NGFW be configured to specifically protect this server against session floods originating from a single IP address?

- A.**
Add an Anti-Spyware Profile to block attacking IP address

- B.**
Define a custom App-ID to ensure that only legitimate application traffic reaches the server
- C.**
Add QoS Profiles to throttle incoming requests
- D.**
Add a tuned DoS Protection Profile

Answer: D

Explanation:

QUESTION NO: 136

An administrator deploys PA-500 NGFWs as an active/passive high availability pair. The devices are not participating in dynamic routing, and preemption is disabled.

What must be verified to upgrade the firewalls to the most recent version of PAN-OS® software?

- A.**
Antivirus update package.
- B.**
Applications and Threats update package.
- C.**
User-ID agent.
- D.**
WildFire update package.

Answer: B

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/newfeaturesguide/upgrade-to-pan-os-80/upgrade-the-firewall-to-pan-os-80/upgrade-an-ha-firewall-pair-to-pan-os-80>

QUESTION NO: 137

A firewall administrator has been asked to configure a Palo Alto Networks NGFW to prevent

against compromised hosts trying to phone-home or beacon out to external command-and-control (C2) servers.

Which Security Profile type will prevent these behaviors?

- A.**
Anti-Spyware
- B.**
WildFire
- C.**
Vulnerability Protection
- D.**
Antivirus

Answer: A

Reference: <https://www.paloaltonetworks.com/documentation/71/pan-os/pan-os/policy/anti-spyware-profiles>

QUESTION NO: 138

What should an administrator consider when planning to revert Panorama to a pre-PAN-OS 8.1 version?

- A.**
Panorama cannot be reverted to an earlier PAN-OS release if variables are used in templates or template stacks.
- B.**
An administrator must use the Expedition tool to adapt the configuration to the pre-PAN-OS 8.1 state.
- C.**
When Panorama is reverted to an earlier PAN-OS release, variables used in templates or template stacks will be removed automatically.
- D.**
Administrators need to manually update variable characters to those used in pre-PAN-OS 8.1.

Answer: A

Reference: <https://www.paloaltonetworks.com/documentation/81/pan-os/newfeaturesguide/upgrade-to-pan-os-81/upgradedowngrade-considerations>

QUESTION NO: 139

Which two methods can be configured to validate the revocation status of a certificate? (Choose two.)

- A.
CRL
- B.
CRT
- C.
OCSP
- D.
Cert-Validation-Profile
- E.
SSL/TLS Service Profile

Answer: A,C

Reference: <https://www.paloaltonetworks.com/documentation/71/pan-os/pan-os/certificate-management/set-up-verification-for-certificate-revocation-status>

QUESTION NO: 140

Which administrative authentication method supports authorization by an external service?

- A.
Certificates
- B.
LDAP
- C.
RADIUS

D.
SSH keys

Answer: C

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/firewall-administration/manage-firewall-administrators/administrative-authentication>

QUESTION NO: 141

Which three file types can be forwarded to WildFire for analysis as a part of the basic WildFire service? (Choose three.)

- A.**
.dll
- B.**
.exe
- C.**
.fon
- D.**
.apk
- E.**
.pdf
- F.**
.jar

Answer: D,E,F

Explanation:

QUESTION NO: 142

An administrator has been asked to configure active/active HA for a pair of Palo Alto Networks NGFWs. The firewall use Layer 3 interfaces to send traffic to a single gateway IP for the pair.

Which configuration will enable this HA scenario?

- A.**
The two firewalls will share a single floating IP and will use gratuitous ARP to share the floating IP.
- B.**
Each firewall will have a separate floating IP, and priority will determine which firewall has the primary IP.
- C.**
The firewalls do not use floating IPs in active/active HA.
- D.**
The firewalls will share the same interface IP address, and device 1 will use the floating IP if device 0 fails.

Answer: A

Reference: <https://www.paloaltonetworks.com/documentation/71/pan-os/pan-os/high-availability/floating-ip-address-and-virtual-mac-address>

QUESTION NO: 143

Which version of GlobalProtect supports split tunneling based on destination domain, client process, and HTTP/HTTPS video streaming application?

- A.**
GlobalProtect version 4.0 with PAN-OS 8.1
- B.**
GlobalProtect version 4.1 with PAN-OS 8.1
- C.**
GlobalProtect version 4.1 with PAN-OS 8.0
- D.**
GlobalProtect version 4.0 with PAN-OS 8.0

Answer: B

Reference: https://www.paloaltonetworks.com/documentation/41/globalprotect/globalprotect-app-new-features/new-features-released-in-gp-agent-4_1/split-tunnel-for-public-applications

QUESTION NO: 144

How does Panorama prompt VMWare NSX to quarantine an infected VM?

- A. HTTP Server Profile
- B. Syslog Server Profile
- C. Email Server Profile
- D. SNMP Server Profile

Answer: A

Reference: <https://www.paloaltonetworks.com/documentation/80/virtualization/virtualization/set-up-the-vm-series-firewall-on-vmware-nsx/dynamically-quarantine-infected-guests>

QUESTION NO: 145

An administrator accidentally closed the commit window/screen before the commit was finished. Which two options could the administrator use to verify the progress or success of that commit task? (Choose two.)

A.

Receive Time	Type	Severity	Event	Object	Description
06/16 08:41:43	general	Informational	general		User admin accessed Monitor tab
06/16 08:40:40	general	Informational	general		User admin logged in via Web from 192.168.55.1 using https
06/16 08:40:40	auth	Informational	auth-success		authenticated for user 'admin'. From: 192.168.55.1.
06/16 08:40:06	general	Informational	general		LOGIN ON tty1 BY admin
06/16 08:39:43	general	Informational	general		User admin logged in via CLI from Console
06/16 08:39:42	auth	Informational	auth-success		authenticated for user 'admin'. From: (null).
06/16 08:39:16	uri-filtering	Informational	upgrade-uri-database-success		PAN-DB was upgraded to version 20170615.40151.
06/16 08:34:15	uri-filtering	Informational	upgrade-uri-database-success		PAN-DB was upgraded to version 20170615.40150.
06/16 08:31:44	general	Informational	general		Failed to connect to Panorama Server: 192.168.55.5 Port: 3978 Retry: 0
06/16 08:31:40	ntpd	Informational	restart		NTP restart synchronization performed
06/16 08:31:33	general	Informational	general		Commit job succeeded. Completion time=2017/06/16 05:31:33. JobId=29. User=admin

B.

Receive Time	Type	From Zone	To Zone	Source	Source User	Destination
06/14 08:14:14	end	inside	outside	192.168.45.1		192.168.45.255
06/14 08:13:44	drop	outside	outside	192.168.55.1		192.168.55.255
06/14 08:04:14	end	inside	outside	192.168.45.1		192.168.45.255
06/14 08:03:45	drop	outside	outside	192.168.55.1		192.168.55.255
06/14 07:59:36	end	inside	outside	192.168.45.1		192.168.45.255
06/14 07:59:06	drop	outside	outside	192.168.55.1		192.168.55.255
06/14 07:40:27	end	inside	outside	192.168.45.1		192.168.45.255
06/14 07:39:57	drop	outside	outside	192.168.55.1		192.168.55.255
06/14 07:39:56	drop	outside	outside	192.168.55.1		192.168.55.255
06/14 07:39:55	drop	outside	outside	192.168.55.1		192.168.55.255

C.

05/23 20:49:30	port	informational	link-change	ethernet1/1	Port ethernet1/1: Down 10Gb/s-full duplex
05/23 20:49:29	port	high	link-change	MGT	Port MGT: Down 1Gb/s Full duplex
05/23 20:47:24	port	informational	link-change	ethernet1/1	Port ethernet1/1: Up 10Gb/s-full duplex
05/23 20:47:22	port	informational	link-change	MGT	Port MGT: Up Unknown
05/23 20:47:18	port	informational	link-change	ethernet1/1	Port ethernet1/1: Down 10Gb/s-full duplex
05/23 20:47:17	port	high	link-change	MGT	Port MGT: Down 1Gb/s Full duplex

D.

Type	Status	Start Time	Messages	Action
Config Logs	Completed	06/16/17 08:40:53		
System Logs	Completed	06/16/17 08:40:53		
Data Logs	Completed	06/16/17 08:40:53		
Commit	Completed	06/16/17 08:31:19	Commit Processing By: admin Start Time (Dequeued Time): 06/16/17 08:31:19	• Configuration committed successfully
Commit	Completed	06/16/17 08:30:15	Commit Processing By: admin Start Time (Dequeued Time): 06/16/17 08:30:15	• Configuration committed successfully

Answer: A,D

Explanation:

QUESTION NO: 146

Which two actions would be part of an automatic solution that would block sites with untrusted certificates without enabling SSL Forward Proxy? (Choose two.)

A.

Create a no-decrypt Decryption Policy rule.

B.

Configure an EDL to pull IP addresses of known sites resolved from a CRL.

C.

Create a Dynamic Address Group for untrusted sites

D.

Create a Security Policy rule with vulnerability Security Profile attached.

E.

Enable the "Block sessions with untrusted issuers" setting.

Answer: A,D

Reference: <https://www.paloaltonetworks.com/documentation/71/pan-os/web-interface-help/objects/objects-decryption-profile>

QUESTION NO: 147

An administrator is defining protection settings on the Palo Alto Networks NGFW to guard against resource exhaustion. When platform utilization is considered, which steps must the administrator take to configure and apply packet buffer protection?

A.

Enable and configure the Packet Buffer protection thresholds.

Enable Packet Buffer Protection per ingress zone.

B.

Enable and then configure Packet Buffer thresholds

Enable Interface Buffer protection.

C.

Create and Apply Zone Protection Profiles in all ingress zones.

Enable Packet Buffer Protection per ingress zone.

D.

Configure and apply Zone Protection Profiles for all egress zones.

Enable Packet Buffer Protection pre egress zone.

E.

Enable per-vsyt Session Threshold alerts and triggers for Packet Buffer Limits.

Enable Zone Buffer Protection per zone.

Answer: A

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/zone-protection-and-dos-protection/configure-zone-protection-to-increase-network-security/configure-packet-buffer-protection>

QUESTION NO: 148

What is the purpose of the firewall decryption broker?

- A.**
decrypt SSL traffic and then send it as cleartext to a security chain of inspection tools.
- B.**
force decryption of previously unknown cipher suites
- C.**
reduce SSL traffic to a weaker cipher before sending it to a security chain of inspection tools.
- D.**
inspect traffic within IPsec tunnels

Answer: A

Reference: <https://www.paloaltonetworks.com/documentation/81/pan-os/newfeaturesguide/decryption-features/decryption-broker>

QUESTION NO: 149

SAML SLO is supported for which two firewall features? (Choose two.)

- A.**
GlobalProtect Portal
- B.**
CaptivePortal
- C.**

WebUI

D.
CLI

Answer: A,B

Reference: <https://www.paloaltonetworks.com/documentation/80/pan-os/pan-os/authentication/configure-saml-authentication>

QUESTION NO: 150

What are the two behavior differences between Highlight Unused Rules and the Rule Usage Hit counter when a firewall is rebooted? (Choose two.)

- A.
Rule Usage Hit counter will not be reset
- B.
Highlight Unused Rules will highlight all rules.
- C.
Highlight Unused Rules will highlight zero rules.
- D.
Rule Usage Hit counter will reset.

Answer: A,B

Explanation:

QUESTION NO: 151

Which is not a valid reason for receiving a decrypt-cert-validation error?

- A.
Unsupported HSM
- B.
Unknown certificate status

C.
Client authentication

D.
Untrusted issuer

Answer: A

Reference: <https://www.paloaltonetworks.com/documentation/71/pan-os/newfeaturesguide/networking-features/ssl-ssh-session-end-reasons>

QUESTION NO: 152

In the following image from Panorama, why are some values shown in red?

Device Name	Logging Rate (Log/sec)	Device	Session
		Throughput (KB/sec)	Count (Sessions)
uk3	781	209	40221
sg2	0	953	170
us3	291	0	67455

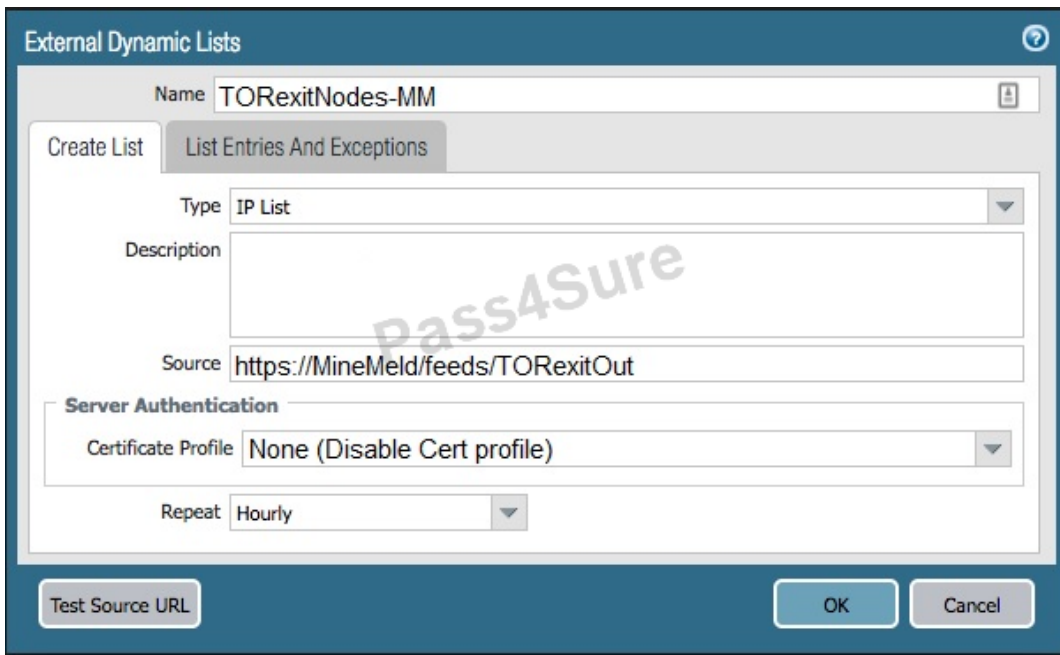
- A.**
sg2 session count is the lowest compared to the other managed devices.
- B.**
us3 has a logging rate that deviates from the administrator-configured thresholds.
- C.**
uk3 has a logging rate that deviates from the seven-day calculated baseline.
- D.**
sg2 has misconfigured session thresholds.

Answer: C

Reference: <https://www.paloaltonetworks.com/documentation/81/pan-os/newfeaturesguide/panorama-features/device-monitoring-through-panorama>

QUESTION NO: 153

The firewall is not downloading IP addresses from MineMeld. Based, on the image, what most likely is wrong?



- A. A Certificate Profile that contains the client certificate needs to be selected.
- B. The source address supports only files hosted with an ftp://<address/file>.
- C. External Dynamic Lists do not support SSL connections.
- D. A Certificate Profile that contains the CA certificate needs to be selected.

Answer: D

Reference: <https://live.paloaltonetworks.com/t5/MineMeld-Articles/Connecting-PAN-OS-to-MineMeld-using-External-Dynamic-Lists/ta-p/190414>

QUESTION NO: 154

Which three split tunnel methods are supported by a GlobalProtect Gateway?

- A. video streaming application
- B.

Client Application Process

C.

Destination Domain

D.

Source Domain

E.

Destination user/group

F.

URL Category

Answer: A,B,C

Reference: <https://www.paloaltonetworks.com/documentation/81/pan-os/newfeaturesguide/globalprotect-features/split-tunnel-for-public-applications>