

# Paloalto-Networks

## Exam Questions PCNSE

Palo Alto Networks Certified Security Engineer (PCNSE) PAN-OS 9.0



#### NEW QUESTION 1

Which GlobalProtect gateway setting is required to enable split-tunneling by access route, destination domain, and application?

- A. No Direct Access to local networks
- B. Tunnel mode
- C. iPSec mode
- D. Satellite mode

**Answer: B**

#### Explanation:

<https://docs.paloaltonetworks.com/globalprotect/9-1/globalprotect-admin/globalprotect-gateways/split-tunnel-tra>

#### NEW QUESTION 2

An engineer configures a specific service route in an environment with multiple virtual systems instead of using the inherited global service route configuration. What type of service route can be used for this configuration?

- A. IPv6 Source or Destination Address
- B. Destination-Based Service Route
- C. IPv4 Source Interface
- D. Inherit Global Setting

**Answer: C**

#### Explanation:

<https://docs.paloaltonetworks.com/pan-os/11-0/pan-os-admin/virtual-systems/customize-service-routes-for-a-vir>

#### NEW QUESTION 3

An administrator is attempting to create policies for deployment of a device group and template stack. When creating the policies, the zone drop down list does not include the required zone.

What must the administrator do to correct this issue?

- A. Specify the target device as the master device in the device group
- B. Enable "Share Unused Address and Service Objects with Devices" in Panorama settings
- C. Add the template as a reference template in the device group
- D. Add a firewall to both the device group and the template

**Answer: C**

#### Explanation:

In order to see what is in a template, the device-group needs the template referenced. Even if you add the firewall to both the template and device-group, the device-group will not see what is in the template. The following link has a video that demonstrates that B is the correct answer.

<https://knowledgebase.paloaltonetworks.com/KCSArticleDetail?id=kA10g000000PNfeCAG>

#### NEW QUESTION 4

Which protocol is supported by GlobalProtect Clientless VPN?

- A. FTP
- B. RDP
- C. SSH
- D. HTTPS

**Answer: D**

#### Explanation:

Virtual Desktop Infrastructure (VDI) and Virtual Machine (VM) environments, such as Citrix XenApp and XenDesktop or VMWare Horizon and Vcenter, support access natively through HTML5. You can RDP, VNC, or SSH to these machines through Clientless VPN without requiring additional third-party middleware. In environments that do not include native support for HTML5 or other web application technologies supported by Clientless VPN, you can use third-party vendors, such as Thinfinity, to RDP through Clientless VPN. Reference:

<https://docs.paloaltonetworks.com/globalprotect/10-1/globalprotect-admin/globalprotect-clientless-vpn/supporte>

<https://networkwiki.blogspot.com/2017/03/palo-alto-networks-clientless-vpn-and.html>

#### NEW QUESTION 5

A network administrator is trying to prevent domain username and password submissions to phishing sites on some allowed URL categories. Which set of steps does the administrator need to take in the URL Filtering profile to prevent credential phishing on the firewall?

- A. Choose the URL categories in the User Credential Submission column and set action to block Select the User credential Detection tab and select Use Domain Credential Filter Commit
- B. Choose the URL categories in the User Credential Submission column and set action to block Select the User credential Detection tab and select use IP User Mapping Commit
- C. Choose the URL categories on Site Access column and set action to block Click the User credential Detection tab and select IP User Mapping Commit
- D. Choose the URL categories in the User Credential Submission column and set action to block Select the URL filtering settings and enable Domain Credential Filter Commit

**Answer: A**

**Explanation:**

<https://docs.paloaltonetworks.com/pan-os/9-1/pan-os-admin/threat-prevention/prevent-credential-phishing/set-up> <https://docs.paloaltonetworks.com/pan-os/10-2/pan-os-admin/url-filtering/prevent-credential-phishing/set-up-cre>

**NEW QUESTION 6**

An engineer is configuring a firewall with three interfaces:

- MGT connects to a switch with internet access.
- Ethernet1/1 connects to an edge router.
- Ethernet1/2 connects to a visualization network.

The engineer needs to configure dynamic updates to use a dataplane interface for internet traffic. What should be configured in Setup > Services > Service Route Configuration to allow this traffic?

- A. Set DNS and Palo Alto Networks Services to use the ethernet1/1 source interface.
- B. Set DNS and Palo Alto Networks Services to use the ethernet1/2 source interface.
- C. Set DNS and Palo Alto Networks Services to use the MGT source interface.
- D. Set DDNS and Palo Alto Networks Services to use the MGT source interface.

**Answer: A**

**Explanation:**

<https://knowledgebase.paloaltonetworks.com/KCSArticleDetail?id=kA10g000000CIGJCA0>

**NEW QUESTION 7**

Based on the screenshots above, and with no configuration inside the Template Stack itself, what access will the device permit on its Management port?

NAME	TYPE	STACK
TEMP_STACK	template-stack	DEVICE_TEMP REGIONAL_TEMP

- A. The firewall will allow HTTP Telnet, HTTPS, SSH, and Ping from IP addresses defined as \$permitted-subnet-1.
- B. The firewall will allow HTTP Telnet, HTTPS, SSH, and Ping from IP addresses defined as \$permitted-subnet-2.
- C. The firewall will allow HTTP, Telnet, SNMP, HTTPS, SSH and Ping from IP addresses defined as \$permitted-subnet-1 and \$permitted-subnet-2.
- D. The firewall will allow HTTP, Telnet, HTTPS, SSH, and Ping from IP addresses defined as \$permitted-subnet-1 and \$permitted-subnet-2.

**Answer:** A

**Explanation:**

<https://live.paloaltonetworks.com/t5/panorama-discussions/panorama-force-template-value-option/td-p/496620> "- Force Template Value will as the name suggest remove any local configuratio and apply the value define the panorama template. But this is valid only for overlapping configuration" "You need to be careful, what is actually defined in the template. For example - if you decide to enable HA in the template, but after that you decide to not push it with template and just disable it again (remove the check from the "Enable HA" checkbox). This still will be part of the template, because now your template is explicitly defining HA disabled. If you made a change in the template, and later decide that you don't want to control this setting with template, you need to revert the config by clicking the green bar next to the changed value"

**NEW QUESTION 8**

Which three multi-factor authentication methods can be used to authenticate access to the firewall? (Choose three.)

- A. Voice
- B. Fingerprint
- C. SMS
- D. User certificate
- E. One-time password

**Answer:** CDE

**Explanation:**

The firewall can use three multi-factor authentication methods to authenticate access to the firewall: SMS, user certificate, and one-time password. These methods can be used in combination with other authentication factors, such as username and password, to provide stronger security for accessing the firewall web interface or CLI. The firewall can integrate with various MFA vendors that support these methods through RADIUS or SAML protocols<sup>5</sup>. Voice and fingerprint are not supported by the firewall as MFA methods. References: MF Vendor Support, PCNSE Study Guide (page 48)

**NEW QUESTION 9**

An organization wants to begin decrypting guest and BYOD traffic.

Which NGFW feature can be used to identify guests and BYOD users, instruct them how to download and install the CA certificate, and clearly notify them that their traffic will be decrypted?

- A. Authentication Portal
- B. SSL Decryption profile
- C. SSL decryption policy
- D. comfort pages

**Answer:** A

**Explanation:**

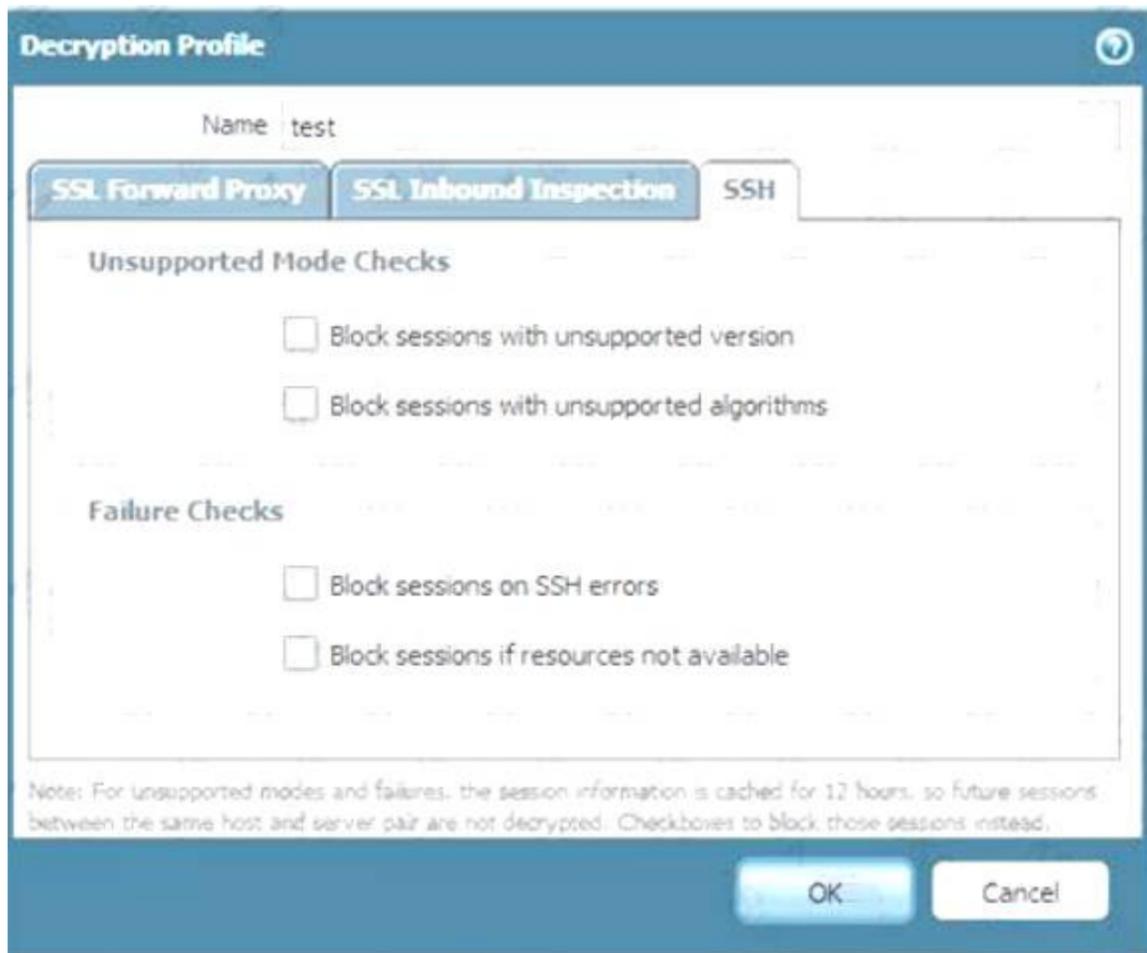
An authentication portal is a feature that can be used to identify guests and BYOD users, instruct them how to download and install the CA certificate, and clearly notify them that their traffic will be decrypted. An authentication portal is a web page that the firewall displays to users who need to authenticate before accessing the network or the internet. The authentication portal can be customized to include a welcome message, a login prompt, a disclaimer, a certificate download link, and a logout button. The authentication portal can also be configured to use different authentication methods, such as local database, RADIUS, LDAP, Kerberos, or SAML<sup>1</sup>. By using an authentication portal, the firewall can redirect BYOD users to a web page where they can learn about the decryption policy, download and install the CA certificate, and agree to the terms of use before accessing the network or the internet<sup>2</sup>.

An SSL decryption profile is not a feature that can be used to identify guests and BYOD users, instruct them how to download and install the CA certificate, and clearly notify them that their traffic will be decrypted. An SSL decryption profile is a set of options that define how the firewall handles SSL/TLS traffic that it decrypts. An SSL decryption profile can include settings such as certificate verification, unsupported protocol handling, session caching, session resumption, algorithm selection, etc<sup>3</sup>. An SSL decryption profile does not provide any user identification or notification functions.

An SSL decryption policy is not a feature that can be used to identify guests and BYOD users, instruct them how to download and install the CA certificate, and clearly notify them that their traffic will be decrypted. An SSL decryption policy is a set of rules that determine which traffic the firewall decrypts based on various criteria, such as source and destination zones, addresses, users, applications, services, etc. An SSL decryption policy can also specify which type of decryption to apply to the traffic, such as SSL Forward Proxy, SSL Inbound Inspection, or SSH Proxy<sup>4</sup>. An SSL decryption policy does not provide any user identification or notification functions.

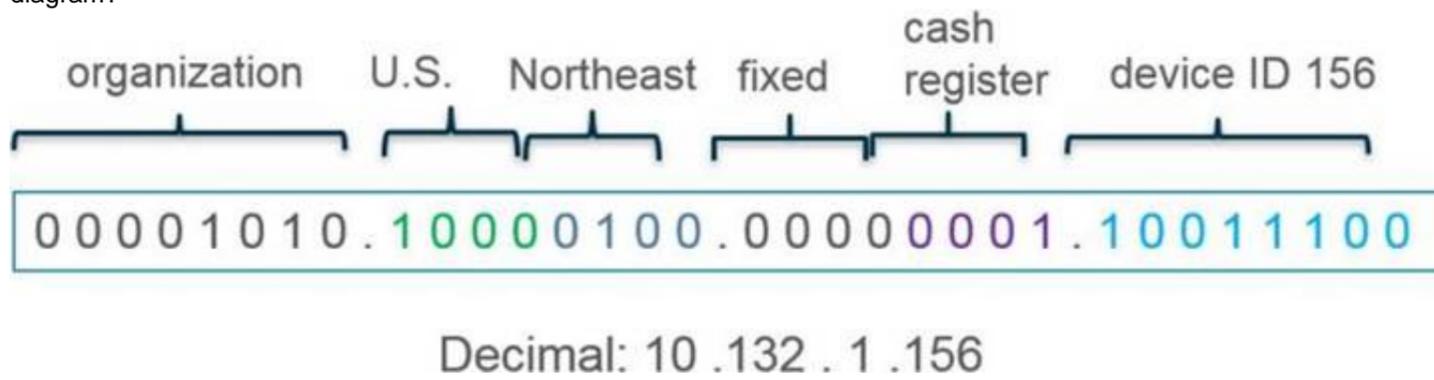
Comfort pages are not a feature that can be used to identify guests and BYOD users, instruct them how to download and install the CA certificate, and clearly notify them that their traffic will be decrypted. Comfort pages are web pages that the firewall displays to users when it blocks or fails to decrypt certain traffic due to security policy or technical reasons. Comfort pages can include information such as the reason for blocking or failing to decrypt the traffic, the URL of the original site, the firewall serial number, etc<sup>5</sup>. Comfort pages do not provide any user identification or notification functions before decrypting the traffic.

References: Configure an Authentication Portal, Redirect Users Through an Authentication Portal, SSL Decryption Profile, Decryption Policy, Comfort Pages  
How to Implement SSH Decryption on a Palo Alto Networks Device



**NEW QUESTION 10**

What type of address object would be useful for internal devices where the addressing structure assigns meaning to certain bits in the address, as illustrated in the diagram?



- A. IP Netmask
- B. IP Wildcard Mask
- C. IP Address
- D. IP Range

**Answer: B**

**Explanation:**

<https://docs.paloaltonetworks.com/pan-os/10-2/pan-os-admin/policy/use-address-object-to-represent-ip-addresses>

**NEW QUESTION 10**

During the process of developing a decryption strategy and evaluating which websites are required for corporate users to access, several sites have been identified that cannot be decrypted due to technical reasons. In this case, the technical reason is unsupported ciphers. Traffic to these sites will therefore be blocked if decrypted.

How should the engineer proceed?

- A. Install the unsupported cipher into the firewall to allow the sites to be decrypted
- B. Allow the firewall to block the sites to improve the security posture.
- C. Add the sites to the SSL Decryption Exclusion list to exempt them from decryption.
- D. Create a Security policy to allow access to those sites.

**Answer: C**

**Explanation:**

If some sites cannot be decrypted due to technical reasons, such as unsupported ciphers, and blocking them is not an option, then the engineer should add the sites to the SSL Decryption Exclusion list to exempt them from decryption. The SSL Decryption Exclusion list is a predefined list of sites that are not subject to SSL decryption by the firewall. The list includes sites that use certificate pinning, mutual authentication, or unsupported cipher suites. The engineer can also add custom sites to the list if they have a valid business reason or technical limitation for not decrypting them<sup>34</sup>. Adding the sites to the SSL Decryption Exclusion list will allow the traffic to pass through without being decrypted or blocked by the firewall. References: SSL Decryption Exclusion, Troubleshoot Unsupported Cipher Suites

**NEW QUESTION 14**

If a URL is in multiple custom URL categories with different actions, which action will take priority?

- A. Allow
- B. Override
- C. Block
- D. Alert

**Answer: C**

**Explanation:**

When a URL matches multiple categories, the category chosen is the one that has the most severe action defined below (block being most severe and allow least severe).

- 1 block
- 2 override
- 3 continue
- 4 alert
- 5 allow <https://knowledgebase.paloaltonetworks.com/KCSArticleDetail?id=kA10g000000CIsMCAc>

**NEW QUESTION 19**

Which two key exchange algorithms consume the most resources when decrypting SSL traffic? (Choose two.)

- A. ECDSA
- B. ECDHE
- C. RSA
- D. DHE

**Answer: BD**

**Explanation:**

The two key exchange algorithms that consume the most resources when decrypting SSL traffic are ECDHE and DHE. These are both Diffie-Hellman based algorithms that enable perfect forward secrecy (PFS), which means that they generate a new and unique session key for each SSL/TLS session, and do not reuse any previous keys. This enhances the security of the encrypted communication, but also increases the computational cost and complexity of the key exchange process. ECDHE stands for Elliptic Curve Diffie-Hellman Ephemeral, which uses elliptic curve cryptography (ECC) to generate the session key. DHE stands for Diffie-Hellman Ephemeral, which uses modular arithmetic to generate the session key. Both ECDHE and DHE require more CPU and memory resources than RSA, which is a non-PFS algorithm that uses public and private keys to encrypt and decrypt the session key<sup>123</sup>. References: Key Exchange Algorithms, Best Practices for Enabling SSL Decryption, PCNSE Study Guide (page 60)

**NEW QUESTION 20**

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:
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 ethernet1/7 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:**

In the second image, VW ports mentioned are 1/5 and 1/7. Hence it can not be a part of any other routing. So if any traffic coming as ingress from 1/7, it has to go out via 1/5.

The egress interface for the traffic with ingress interface ethernet1/7, source 192.168.111.3, and destination 10.46.41.113 will be ethernet1/5. This is because the traffic will match the virtual wire with interfaces ethernet1/5 and ethernet1/7, which is configured to allow VLAN-tagged traffic with tags 10 and 201. The traffic will also match the security policy rule that allows traffic from zone Trust to zone Untrust, which are assigned to ethernet1/7 and ethernet1/5 respectively. Therefore, the traffic will be forwarded to the same interface from which it was received, which is ethernet1/5.

**NEW QUESTION 23**

An organization conducts research on the benefits of leveraging the Web Proxy feature of PAN-OS 11.0. What are two benefits of using an explicit proxy method versus a transparent proxy method? (Choose two.)

- A. No client configuration is required for explicit proxy, which simplifies the deployment complexity.
- B. Explicit proxy supports interception of traffic using non-standard HTTPS ports.
- C. It supports the X-Authenticated-User (XAU) header, which contains the authenticated username in the outgoing request.
- D. Explicit proxy allows for easier troubleshooting, since the client browser is aware of the existence of the proxy.

**Answer:** CD

**Explanation:**

<https://docs.paloaltonetworks.com/prisma/prisma-access/prisma-access-cloud-managed-admin/secure-mobile-us> <https://docs.paloaltonetworks.com/pan-os/11-0/pan-os-new-features/networking-features/web-proxy>

**NEW QUESTION 26**

Which Panorama feature protects logs against data loss if a Panorama server fails?

- A. Panorama HA automatically ensures that no logs are lost if a server fails inside the HA Cluster.
- B. Panorama Collector Group with Log Redundancy ensures that no logs are lost if a server fails inside the Collector Group.
- C. Panorama HA with Log Redundancy ensures that no logs are lost if a server fails inside the HA Cluster.
- D. Panorama Collector Group automatically ensures that no logs are lost if a server fails inside the Collector Group

**Answer:** B

**Explanation:**

<https://docs.paloaltonetworks.com/panorama/11-0/panorama-admin/manage-log-collection/manage-collector-gr> "Log redundancy is available only if each Log Collector has the same number of logging disks."

(Recommended) Enable log redundancy across collectors if you are adding multiple Log Collectors to a single Collector group. Redundancy ensures that no logs are lost if any one Log Collector becomes unavailable. Each log will have two copies and each copy will reside on a different Log Collector. For example, if you have two Log Collectors in the collector group the log is written to both Log Collectors. Enabling redundancy creates more logs and therefore requires more storage capacity, reducing storage capability in half. When a Collector Group runs out of space, it deletes older logs. Redundancy also doubles the log processing traffic in a Collector Group, which reduces its maximum logging rate by half, as each Log Collector must distribute a copy of each log it receives.

**NEW QUESTION 27**

An administrator is troubleshooting why video traffic is not being properly classified. If this traffic does not match any QoS classes, what default class is assigned?

- A. 1
- B. 2
- C. 3
- D. 4

**Answer:** D

**Explanation:**

<https://docs.paloaltonetworks.com/pan-os/9-1/pan-os-admin/quality-of-service/qos-concepts/qos-classes>

**NEW QUESTION 31**

An engineer is tasked with deploying SSL Forward Proxy decryption for their organization. What should they review with their leadership before implementation?

- A. Browser-supported cipher documentation
- B. Cipher documentation supported by the endpoint operating system
- C. URL risk-based category distinctions
- D. Legal compliance regulations and acceptable usage policies

**Answer:** D

**Explanation:**

The engineer should review the legal compliance regulations and acceptable usage policies with their leadership before implementing SSL Forward Proxy decryption for their organization. SSL Forward Proxy decryption allows the firewall to decrypt and inspect the traffic from internal users to external servers. This can raise privacy and legal concerns for the users and the organization. Therefore, the engineer should ensure that the leadership is aware of the implications and benefits of SSL Forward Proxy decryption and that they have a clear policy for informing and obtaining consent from the users. Option A is incorrect because browser-supported cipher documentation is not relevant for SSL Forward Proxy decryption. The firewall uses its own cipher suite to negotiate encryption with the external server, regardless of the browser settings. Option B is incorrect because cipher documentation supported by the endpoint operating system is not relevant for SSL Forward Proxy decryption. The firewall uses its own cipher suite to negotiate encryption with the external server, regardless of the endpoint operating

system. Option C is incorrect because URL risk-based category distinctions are not relevant for SSL Forward Proxy decryption. The firewall can decrypt and inspect traffic based on any URL category, not just risk-based ones.  
<https://docs.paloaltonetworks.com/pan-os/10-2/pan-os-admin/decryption/decryption-concepts> "Understand local laws and regulations about the traffic you can legally decrypt and user notification requirements."

#### NEW QUESTION 35

When an engineer configures an active/active high availability pair, which two links can they use? (Choose two)

- A. HSCI-C
- B. Console Backup
- C. HA3
- D. HA2 backup

**Answer:** CD

#### Explanation:

<https://docs.paloaltonetworks.com/pan-os/10-2/pan-os-admin/high-availability/set-up-activeactive-ha/prerequisite>

These are the two links that can be used to configure an active/active high availability pair. An active/active high availability pair consists of two firewalls that are both active and share the traffic load between them<sup>1</sup>. To configure an active/active high availability pair, the following links are required<sup>2</sup>:

- HA1: This is the control link that is used for exchanging heartbeat messages and configuration synchronization between the firewalls. It can be a dedicated interface or a subinterface. It can also have a backup link for redundancy.
- HA2: This is the data link that is used for forwarding sessions from one firewall to another in case of failover or load balancing. It can be a dedicated interface or a subinterface. It can also have a backup link for redundancy.
- HA3: This is the session owner synchronization link that is used for synchronizing session information between the firewalls in different virtual systems. It can be a dedicated interface or a subinterface. It is only required for active/active high availability pairs, not for active/passive pairs.

#### NEW QUESTION 36

An administrator has configured OSPF with Advanced Routing enabled on a Palo Alto Networks firewall running PAN-OS 10.2. After OSPF was configured, the administrator noticed that OSPF routes were not being learned.

Which two actions could an administrator take to troubleshoot this issue? (Choose two.)

- A. Run the CLI command `show advanced-routing ospf neighbor`
- B. In the WebUI, view the Runtime Stats in the virtual router
- C. Look for configuration problems in Network > virtual router > OSPF
- D. In the WebUI, view Runtime Stats in the logical router

**Answer:** AD

#### Explanation:

- A:  
<https://docs.paloaltonetworks.com/pan-os/10-1/pan-os-web-interface-help/network/network-virtual-routers/more>
- D:  
<https://docs.paloaltonetworks.com/pan-os/10-2/pan-os-cli-quick-start/cli-cheat-sheets/cli-cheat-sheet-networking>

#### NEW QUESTION 37

Which type of policy in Palo Alto Networks firewalls can use Device-ID as a match condition?

- A. NAT
- B. DOS protection
- C. QoS
- D. Tunnel inspection

**Answer:** C

#### Explanation:

The type of policy in Palo Alto Networks firewalls that can use Device-ID as a match condition is QoS. This is because Device-ID is a feature that allows the firewall to identify and classify devices on the network based on their characteristics, such as vendor, model, OS, and role<sup>1</sup>. QoS policies are used to allocate bandwidth and prioritize traffic based on various criteria, such as application, user, source, destination, and device<sup>2</sup>. By using Device-ID as a match condition in QoS policies, the firewall can apply different QoS actions to different types of devices, such as IoT devices, laptops, smartphones, etc<sup>3</sup>. This can help optimize the network performance and ensure the quality of service for critical applications and devices.

#### NEW QUESTION 42

Phase two of a VPN will not establish a connection. The peer is using a policy-based VPN configuration. What part of the configuration should the engineer verify?

- A. IKE Crypto Profile
- B. Security policy
- C. Proxy-IDs
- D. PAN-OS versions

**Answer:** C

#### Explanation:

<https://knowledgebase.paloaltonetworks.com/KCSArticleDetail?id=kA10g000000ClbXCAS> <https://live.paloaltonetworks.com/t5/general-topics/phase-2-tunnel-is-not-up/td-p/424789>

#### NEW QUESTION 46

Which three external authentication services can the firewall use to authenticate admins into the Palo Alto Networks NGFW without creating administrator account

on the firewall? (Choose three.)

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

**Answer:** ABE

**Explanation:**

<https://docs.paloaltonetworks.com/pan-os/9-1/pan-os-admin/firewall-administration/manage-firewall-administra>

**NEW QUESTION 49**

Refer to the exhibit.

Device Group	NAME	LOCATION	TAGS	TYPE
DATACENTER_DG	1 intrazone-default	DATACENTER_DG	none	Intrazone
	2 interzone-default	Predefined	none	Interzone
Shared	1 intrazone-default	Shared	none	Intrazone
	2 interzone-default	Predefined	none	Interzone

Based on the screenshots above what is the correct order in which the various rules are deployed to firewalls inside the DATACENTER\_DG device group?

- A. shared pre-rules DATACENTER DG pre rulesrules configured locally on the firewall shared post-rules DATACENTER\_DG post-rules DATACENTER.DG default rules
- B. shared pre-rules DATACENTER\_DG pre-rulesrules configured locally on the firewall shared post-rulesDATACENTER.DG post-rules shared default rules
- C. shared pre-rules DATACENTER\_DG pre-rulesrules configured locally on the firewall DATACENTER\_DG post-rules shared post-rulesshared default rules
- D. shared pre-rules DATACENTER\_DG pre-rulesrules configured locally on the firewall DATACENTER\_DG post-rules shared post-rules DATACENTER\_DG default rules

**Answer:** A

**NEW QUESTION 50**

After importing a pre-configured firewall configuration to Panorama, what step is required to ensure a commit/push is successful without duplicating local configurations?

- A. Ensure Force Template Values is checked when pushing configuration.
- B. Push the Template first, then push Device Group to the newly managed firewall.
- C. Perform the Export or push Device Config Bundle to the newly managed firewall.
- D. Push the Device Group first, then push Template to the newly managed firewall

**Answer:** C

**Explanation:**

<https://docs.paloaltonetworks.com/panorama/11-0/panorama-admin/manage-firewalls/transition-a-firewall-to-pa> Push the configuration bundle from Panorama to the newly added firewall to remove all policy rules and objects from its local configuration. This step is necessary to prevent duplicate rule or object names, which would cause commit errors when you push the device group configuration from Panorama to the firewall in the next step.

**NEW QUESTION 54**

During the implementation of SSL Forward Proxy decryption, an administrator imports the company's Enterprise Root CA and Intermediate CA certificates onto the firewall. The company's Root and Intermediate CA certificates are also distributed to trusted devices using Group Policy and GlobalProtect. Additional device certificates and/or Subordinate certificates requiring an Enterprise CA chain of trust are signed by the company's Intermediate CA.

Which method should the administrator use when creating Forward Trust and Forward Untrust certificates on the firewall for use with decryption?

- A. Generate a single subordinate CA certificate for both Forward Trust and Forward Untrust.
- B. Generate a CA certificate for Forward Trust and a self-signed CA for Forward Untrust.
- C. Generate a single self-signed CA certificate for Forward Trust and another for Forward Untrust
- D. Generate two subordinate CA certificates, one for Forward Trust and one for Forward Untrust.

**Answer:** B

**Explanation:**

<https://docs.paloaltonetworks.com/pan-os/10-2/pan-os-admin/decryption/configure-ssl-forward-proxy>

**NEW QUESTION 57**

Which three authentication types can be used to authenticate users? (Choose three.)

- A. Local database authentication
- B. PingID
- C. Kerberos single sign-on
- D. GlobalProtect client
- E. Cloud authentication service

**Answer:** ACE

**Explanation:**

The three authentication types that can be used to authenticate users are:



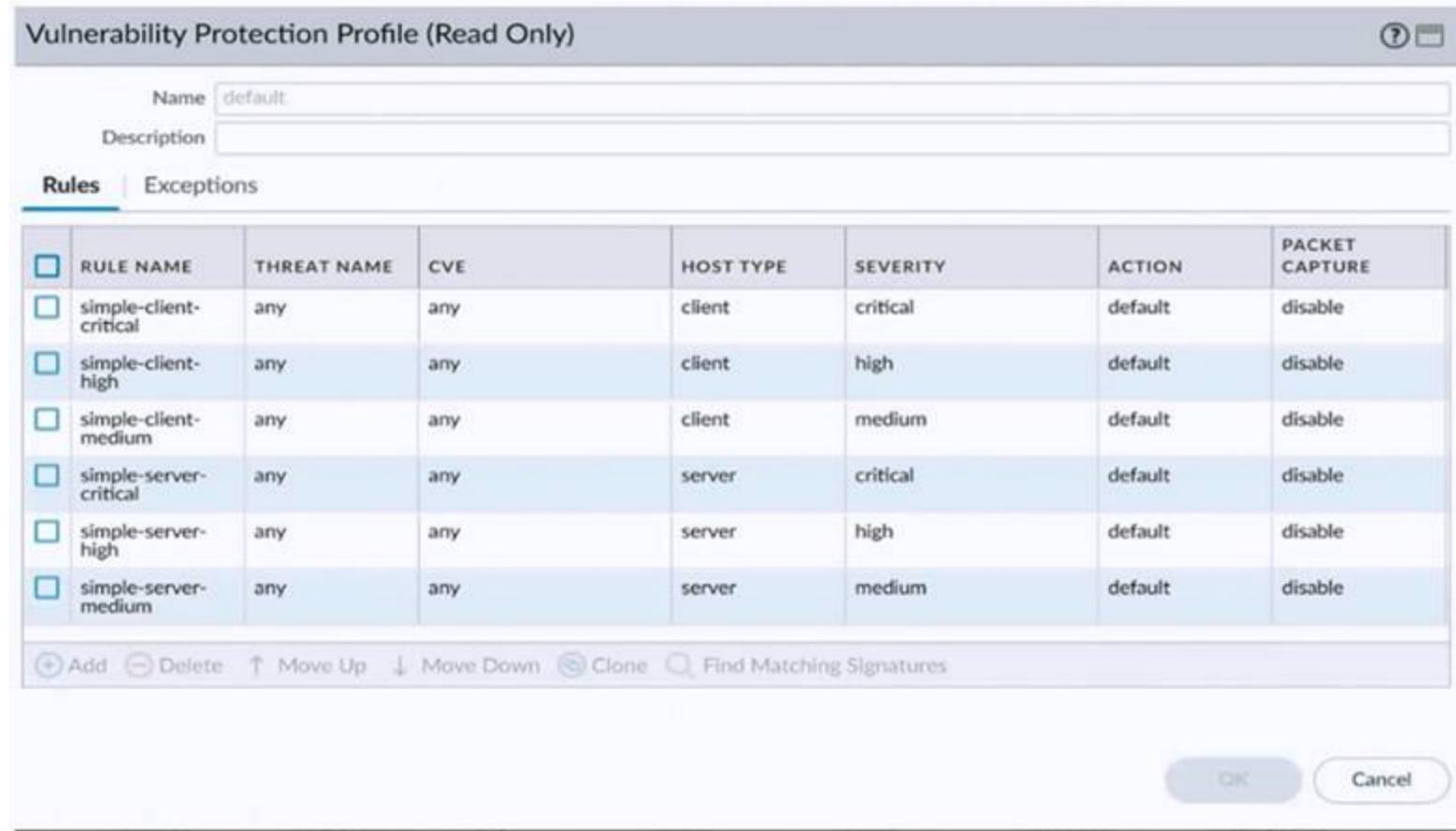
A: Local database authentication. This is the authentication type that uses the local user database on the firewall or Panorama to store and verify user credentials1.

> C: Cloud authentication service. This is the authentication type that uses a cloud-based identity provider such as Okta, PingOne, or PingFederate, to authenticate users and provide SAML assertions to the firewall or Panorama2.

> E: Kerberos single sign-on. This is the authentication type that uses the Kerberos protocol to authenticate users who are logged in to a Windows domain and provide them with seamless access to resources on the firewall or Panorama3.

**NEW QUESTION 59**

An administrator would like to determine which action the firewall will take for a specific CVE. Given the screenshot below, where should the administrator navigate to view this information?



- A. The profile rule action
- B. CVE column
- C. Exceptions tab
- D. The profile rule threat name

**Answer: C**

**Explanation:**

The Exceptions settings allows you to change the response to a specific signature. For example, you can block all packets that match a signature, except for the selected one, which generates an alert. The Exception tab supports filtering functions.

If you not believed, then login the firewall go to Vulnerability > Exceptions and select "Show all signatures". From there you will see all threat information including specific actions.

More detail: <https://knowledgebase.paloaltonetworks.com/KCSArticleDetail?id=kA10g000000Cm4yCAC>

**NEW QUESTION 62**

Which statement is correct given the following message from the PanGPA log on the GlobalProtect app? Failed to connect to server at port:47 67

- A. The PanGPS process failed to connect to the PanGPA process on port 4767
- B. The GlobalProtect app failed to connect to the GlobalProtect Portal on port 4767
- C. The PanGPA process failed to connect to the PanGPS process on port 4767
- D. The GlobalProtect app failed to connect to the GlobalProtect Gateway on port 4767

**Answer: C**

**Explanation:**

<https://knowledgebase.paloaltonetworks.com/kCSArticleDetail?id=kA10g000000PMiD>

**NEW QUESTION 64**

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