



# **Paloalto-Networks**

## **Exam Questions PCNSA**

Palo Alto Networks Certified Network Security Administrator

**NEW QUESTION 1**

Which update option is not available to administrators?

- A. New Spyware Notifications
- B. New URLs
- C. New Application Signatures
- D. New Malicious Domains
- E. New Antivirus Signatures

**Answer: B**

**NEW QUESTION 2**

Which operations are allowed when working with App-ID application tags?

- A. Predefined tags may be deleted.
- B. Predefined tags may be augmented by custom tags.
- C. Predefined tags may be modified.
- D. Predefined tags may be updated by WildFire dynamic updates.

**Answer: B**

**NEW QUESTION 3**

Which attribute can a dynamic address group use as a filtering condition to determine its membership?

- A. tag
- B. wildcard mask
- C. IP address
- D. subnet mask

**Answer: A**

**Explanation:**

Dynamic Address Groups: A dynamic address group populates its members dynamically using look ups for tags and tag-based filters. Dynamic address groups are very useful if you have an extensive virtual infrastructure where changes in virtual machine location/IP address are frequent. For example, you have a sophisticated failover setup or provision new virtual machines frequently and would like to apply policy to traffic from or to the new machine without modifying the configuration/rules on the firewall. <https://docs.paloaltonetworks.com/pan-os/8-1/pan-os-web-interface-help/objects/objects-address-groups>

**NEW QUESTION 4**

Actions can be set for which two items in a URL filtering security profile? (Choose two.)

- A. Block List
- B. Custom URL Categories
- C. PAN-DB URL Categories
- D. Allow List

**Answer: AD**

**Explanation:**

<https://docs.paloaltonetworks.com/pan-os/8-1/pan-os-admin/url-filtering/url-filtering-concepts/url-filtering-profile-actions>

**NEW QUESTION 5**

DRAG DROP

Arrange the correct order that the URL classifications are processed within the system.

**Answer Area**

First	Drag answer here	PAN-DB Cloud
Second	Drag answer here	External Dynamic Lists
Third	Drag answer here	Custom URL Categories
Fourth	Drag answer here	Block List
Fifth	Drag answer here	Downloaded PAN-DB File
Sixth	Drag answer here	Allow Lists

Answer:

**Answer Area**

First	Block List	PAN-DB Cloud
Second	Allow Lists	External Dynamic Lists
Third	Custom URL Categories	Custom URL Categories
Fourth	External Dynamic Lists	Block List
Fifth	Downloaded PAN-DB File	Downloaded PAN-DB File
Sixth	PAN-DB Cloud	Allow Lists

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

First – Block List Second – Allow List  
 Third – Custom URL Categories Fourth – External Dynamic Lists  
 Fifth – Downloaded PAN-DB Files Sixth - PAN-DB Cloud

**NEW QUESTION 6**

Which information is included in device state other than the local configuration?

- A.

uncommitted changes

- B. audit logs to provide information of administrative account changes
- C. system logs to provide information of PAN-OS changes
- D. device group and template settings pushed from Panorama

**Answer:** D

**Explanation:**

Reference:<https://docs.paloaltonetworks.com/pan-os/9-1/pan-os-web-interface-help/device/device-setup-operations.html>

**NEW QUESTION 7**

Which User-ID mapping method should be used for an environment with clients that do not authenticate to Windows Active Directory?

- A. Windows session monitoring via a domain controller
- B. passive server monitoring using the Windows-based agent
- C. Captive Portal
- D. passive server monitoring using a PAN-OS integrated User-ID agent

**Answer:** C

**Explanation:**

<https://docs.paloaltonetworks.com/pan-os/9-0/pan-os-admin/user-id/map-ip-addresses-to-users/map-ip-addresses-to-username-using-captive-portal.html>

**NEW QUESTION 8**

What is considered best practice with regards to committing configuration changes?

- A. Disable the automatic commit feature that prioritizes content database installations before committing
- B. Validate configuration changes prior to committing
- C. Wait until all running and pending jobs are finished before committing
- D. Export configuration after each single configuration change performed

**Answer:** A

**NEW QUESTION 9**

What are two differences between an implicit dependency and an explicit dependency in App-ID? (Choose two.)

- A. An implicit dependency does not require the dependent application to be added in the security policy
- B. An implicit dependency requires the dependent application to be added in the security

policy

- C. An explicit dependency does not require the dependent application to be added in the security policy
- D. An explicit dependency requires the dependent application to be added in the security policy

**Answer:** AD

**NEW QUESTION 10**

Which statement best describes the use of Policy Optimizer?

- A. Policy Optimizer can display which Security policies have not been used in the last 90 days
- B. Policy Optimizer on a VM-50 firewall can display which Layer 7 App-ID Security policies have unused applications
- C. Policy Optimizer can add or change a Log Forwarding profile for each Security policy selected
- D. Policy Optimizer can be used on a schedule to automatically create a disabled Layer 7 App-ID Security policy for every Layer 4 policy that exists Admins can then manually enable policies they want to keep and delete ones they want to remove

**Answer:** B

**NEW QUESTION 10**

What can be achieved by selecting a policy target prior to pushing policy rules from Panorama?

- A. Doing so limits the templates that receive the policy rules
- B. Doing so provides audit information prior to making changes for selected policy rules
- C. You can specify the firewalls in a device group to which to push policy rules
- D. You specify the location as pre or post-rules to push policy rules

**Answer:** C

**NEW QUESTION 13**

What two authentication methods on the Palo Alto Networks firewalls support authentication and authorization for role-based access control? (Choose two.)

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

**Answer:** AB

**Explanation:**

Reference:<https://docs.paloaltonetworks.com/pan-os/9-1/pan-os-admin/firewall-administration/manage-firewall-administrators/administrative-authentication.html>

The administrative accounts are defined on an external SAML, TACACS+, or RADIUS server. The server performs both authentication and authorization. For authorization, you define Vendor-Specific Attributes (VSAs) on the TACACS+ or RADIUS server, or SAML attributes on the SAML server. PAN-OS maps the attributes to administrator roles, access domains, user groups, and virtual systems that you define on the firewall.

#### NEW QUESTION 18

Which built-in IP address EDL would be useful for preventing traffic from IP addresses that are verified as unsafe based on WildFire analysis Unit 42 research and data gathered from telemetry?

A.

Palo Alto Networks C&C IP Addresses

- B. Palo Alto Networks Bulletproof IP Addresses
- C. Palo Alto Networks High-Risk IP Addresses
- D. Palo Alto Networks Known Malicious IP Addresses

**Answer:** D

#### Explanation:

? Palo Alto Networks Known Malicious IP Addresses

—Contains IP addresses that are verified malicious based on WildFire analysis, Unit 42 research, and data gathered from telemetry (Share ThreatIntelligence with Palo Alto Networks). Attackers use these IP addresses almost exclusively to distribute malware, initiate command-and-control activity, and launch attacks.

<https://docs.paloaltonetworks.com/pan-os/9-1/pan-os-admin/policy/use-an-external-dynamic-list-in-policy/built-in-edls>

#### NEW QUESTION 23

Which Palo Alto networks security operating platform service protects cloud-based application such as Dropbox and salesforce by monitoring permissions and shared and scanning files for Sensitive information?

- A. Prisma SaaS
- B. AutoFocus
- C. Panorama
- D. GlobalProtect

**Answer:** A

### NEW QUESTION 25

What are three factors that can be used in domain generation algorithms? (Choose three.)

- A. cryptographic keys
- B.

time of day

- C. other unique values
- D. URL custom categories
- E. IP address

**Answer:** ABC

#### Explanation:

Domain generation algorithms (DGAs) are used to auto-generate domains, typically in large numbers within the context of establishing a malicious command-and-control (C2) communications channel. DGA-based malware (such as Pushdo, BankPatch, and CryptoLocker) limit the number of domains from being blocked by hiding the location of their active C2 servers within a large number of possible suspects, and can be algorithmically generated based on factors such as time of day, cryptographic keys, or other unique values.

<https://docs.paloaltonetworks.com/pan-os/9-0/pan-os-admin/threat-prevention/dns-security/domain-generation-algorithm-detection>

### NEW QUESTION 29

Four configuration choices are listed, and each could be used to block access to a specific URL. If you configured each choices to block the sameURL then which choice would be the last to block access to the URL?

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

The precedence is from the top down; First Match Wins: 1) Block list: Manually entered blocked URLs Objects - 2) Allow list: Manually entered allowed URLs Objects - 3) Custom URL Categories - 4) Cached Cached: URLs learned from External Dynamic Lists (EDLs) - 5) Pre-Defined Categories: PAN-DB or Brightcloud categories.

### NEW QUESTION 30

Which statement is true regarding NAT rules?

- A. Static NAT rules have precedence over other forms of NAT.
- B. Translation of the IP address and port occurs before security processing.
- C. NAT rules are processed in order from top to bottom.
- D. Firewall supports NAT on Layer 3 interfaces only.

**Answer:** C

#### Explanation:

<https://docs.paloaltonetworks.com/pan-os/9-1/pan-os-admin/networking/nat/nat-policy-rules/nat-policy-overview>

### NEW QUESTION 35

Which data flow direction is protected in a zero trust firewall deployment that is not protected in a perimeter-only firewall deployment?

- A. outbound
- B. north south
- C. inbound
- D. east west

**Answer:** D

**NEW QUESTION 39**

Which rule type is appropriate for matching traffic both within and between the source and destination zones?

- A. interzone
- B. shadowed
- C. intrazone
- D. universal

**Answer:** A

**NEW QUESTION 43**

Which dynamic update type includes updated anti-spyware signatures?

- A. Applications and Threats
- B. GlobalProtect Data File
- C. Antivirus
- D. PAN-DB

**Answer:** A

**NEW QUESTION 48**

Which three interface deployment methods can be used to block traffic flowing through the Palo Alto Networks firewall? (Choose three.)

- A. Layer 2
- B. Virtual Wire
- C. Tap
- D. Layer 3
- E. HA

**Answer:** BDE

**NEW QUESTION 51**

What are two valid selections within an Antivirus profile? (Choose two.)

- A. deny
- B. drop
- C. default
- D. block-ip

**Answer:** BC

**NEW QUESTION 52**

Which action would an administrator take to ensure that a service object will be available only to the selected device group?

- A. create the service object in the specific template
- B. uncheck the shared option
- C. ensure that disable override is selected
- D. ensure that disable override is cleared

**Answer:** D

**Explanation:**

<https://docs.paloaltonetworks.com/panorama/9-0/panorama-admin/manage-firewalls/manage-device-groups/create-objects-for-use-in-shared-or-device-group-policy>

**NEW QUESTION 56**

A security administrator has configured App-ID updates to be automatically downloaded and installed. The company is currently using an application identified by App-ID as

SuperApp\_base.

On a content update notice, Palo Alto Networks is adding new app signatures labeled SuperApp\_chat and SuperApp\_download, which will be deployed in 30 days. Based on the information, how is the SuperApp traffic affected after the 30 days have passed?

- A. All traffic matching the SuperApp\_chat, and SuperApp\_download is denied because it no longer matches the SuperApp-base application
- B. No impact because the apps were automatically downloaded and installed
- C. No impact because the firewall automatically adds the rules to the App-ID interface
- D. All traffic matching the SuperApp\_base, SuperApp\_chat, and SuperApp\_download is denied until the security administrator approves the applications

**Answer:** A

**Explanation:**

<https://docs.paloaltonetworks.com/pan-os/9-0/pan-os-admin/app-id/manage-new-app-ids-introduced-in-content-releases/review-new-app-id-impact-on-existing-policy-rules>

**NEW QUESTION 58**

Which option is part of the content inspection process?

- A. IPsec tunnel encryption
- B.

Packet egress process

- C. SSL Proxy re-encrypt
- D. Packet forwarding process

**Answer:** C

**NEW QUESTION 60**

Which two features can be used to tag a username so that it is included in a dynamic user group? (Choose two.)

- A. GlobalProtect agent
- B. XML API
- C.

User-ID Windows-based agent

D. log forwarding auto-tagging

**Answer:** BC

#### NEW QUESTION 64

By default, which action is assigned to the interzone-default rule?

- A. Reset-client
- B. Reset-server
- C. Deny
- D. Allow

**Answer:** C

#### NEW QUESTION 68

To use Active Directory to authenticate administrators, which server profile is required in the authentication profile?

- A. Mastered
- B. Not Mastered

**Answer:** A

#### NEW QUESTION 73

Which file is used to save the running configuration with a Palo Alto Networks firewall?

- A. running-config.xml
- B. run-config.xml
- C. running-configuration.xml
- D. run-configuratin.xml

**Answer:** A

#### NEW QUESTION 74

An address object of type IP Wildcard Mask can be referenced in which part of the configuration?

- A. Security policy rule
- B. ACC global filter
- C. external dynamic list
- D. NAT address pool

**Answer:** A

#### Explanation:

You can use an address object of type IP Wildcard Mask only in a Security policy rule.

<https://docs.paloaltonetworks.com/pan-os/9-0/pan-os-web-interface-help/objects/objects-addresses>

IP Wildcard Mask—Enter an IP wildcard address in the format of an IPv4 address followed by a slash and a mask (which must begin with a zero); for example, 10.182.1.1/0.127.248.0. In the wildcard mask, a zero (0) bit indicates that the bit being compared must match the bit in the IP address that is covered by the 0. A one (1) bit in the mask is a wildcard bit, meaning the bit being compared need not match the bit in the IP address that is covered by the 1. Convert the IP address and the wildcard mask to binary. To illustrate the matching: on binary snippet 0011, a wildcard mask of 1010 results in four matches (0001, 0011, 1001, and 1011).

#### NEW QUESTION 75

How is the hit count reset on a rule?

- A. select a security policy rule, right click Hit Count > Reset
- B. with a dataplane reboot
- C. Device > Setup > Logging and Reporting Settings > Reset Hit Count
- D. in the CLI, type command reset hitcount <POLICY-NAME>

**Answer:** A

**NEW QUESTION 80**

Which interface type is used to monitor traffic and cannot be used to perform traffic shaping?

- A. Mastered
- B. Not Mastered

**Answer:** A

**NEW QUESTION 85**

What allows a security administrator to preview the Security policy rules that match new application signatures?

- A. Review Release Notes
- B. Dynamic Updates-Review Policies
- C. Dynamic Updates-Review App
- D. Policy Optimizer-New App Viewer

**Answer:** B

**Explanation:**

<https://docs.paloaltonetworks.com/pan-os/9-0/pan-os-admin/app-id/manage-new-app-ids-introduced-in-content-releases/review-new-app-id-impact-on-existing-policy-rules>

**NEW QUESTION 88**

DRAG DROP

Order the steps needed to create a new security zone with a Palo Alto Networks firewall.

Step 1	Drag answer here	Select Zones from the list of available items
Step 2	Drag answer here	Assign interfaces as needed
Step 3	Drag answer here	Select Network tab
Step 4	Drag answer here	Specify Zone Name
Step 5	Drag answer here	Select Add
Step 6	Drag answer here	Specify Zone Type

**Answer:**

Step 1	Select Network tab	Select Zones from the list of available items
Step 2	Select Zones from the list of available items	Assign interfaces as needed
Step 3	Select Add	Select Network tab
Step 4	Specify Zone Name	Specify Zone Name
Step 5	Specify Zone Type	Select Add
Step 6	Assign interfaces as needed	Specify Zone Type

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Step 1 – Select network tab  
 Step 2 – Select zones from the list of available items  
 Step 3 – Select Add  
 Step 4 – Specify Zone Name  
 Step 5 – Specify Zone Type  
 Step 6 – Assign interfaces as needed

**NEW QUESTION 92**

Which three statement describe the operation of Security Policy rules or Security Profiles? (Choose three)

- A. Security policy rules inspect but do not block traffic.
- B. Security Profile should be used only on allowed traffic.
- C. Security Profile are attached to security policy rules.
- D. Security Policy rules are attached to Security Profiles.
- E. Security Policy rules can block or allow traffic.

**Answer:** BCE

**NEW QUESTION 94**

Which three types of authentication services can be used to authenticate user traffic flowing through the firewalls data plane? (Choose three )

- A. TACACS
- B. SAML2
- C. SAML10
- D. Kerberos
- E. TACACS+

**Answer:** ABD

**NEW QUESTION 99**

You must configure which firewall feature to enable a data-plane interface to submit DNS queries on behalf of the control plane?

- A. Admin Role profile
- B. virtual router
- C. DNS proxy
- D. service route

Answer: A

**NEW QUESTION 102**

Identify the correct order to configure the PAN-OS integrated USER-ID agent.

- \* 3. add the service account to monitor the server(s)
- \* 2. define the address of the servers to be monitored on the firewall
- \* 4. commit the configuration, and verify agent connection status
- \* 1. create a service account on the Domain Controller with sufficient permissions to execute the User- ID agent

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

Answer: D

**NEW QUESTION 106**

Which URL Filtering Profile action does not generate a log entry when a user attempts to access a URL?

- A. override
- B. allow
- C. block
- D. continue

Answer: B

**NEW QUESTION 108**

Which profile should be used to obtain a verdict regarding analyzed files?

- A. WildFire analysis
- B. Vulnerability profile
- C. Content-ID
- D. Advanced threat prevention

Answer: A

**Explanation:**

? A profile is a set of rules or settings that defines how the firewall performs a specific function, such as detecting and preventing threats, filtering URLs, or decrypting traffic<sup>1</sup>.

? There are different types of profiles that can be applied to different types of traffic or scenarios, such as Antivirus, Anti-Spyware, Vulnerability Protection, URL Filtering, File Blocking, Data Filtering, Decryption, or WildFire Analysis<sup>1</sup>.

? The WildFire Analysis profile is a profile that enables the firewall to submit unknown files or email links to the cloud-based WildFire service for analysis and verdict determination<sup>2</sup>. WildFire is the industry's most advanced analysis and prevention engine for highly evasive zero-day exploits and malware<sup>3</sup>. WildFire uses a variety of malware detection techniques, such as static analysis, dynamic analysis, machine learning, and intelligent run-time memory analysis, to identify and protect against unknown threats<sup>3,4</sup>.

? The Vulnerability Protection profile is a profile that protects the network from exploits that target known software vulnerabilities. It allows the administrator to configure the actions and log settings for each vulnerability severity level, such as critical, high, medium, low, or informational<sup>5</sup>.

? Content-ID is not a profile, but a feature of the firewall that performs multiple functions to identify and control applications, users, content, and threats on the network. Content-ID consists of four components: App-ID, User-ID, Content Inspection, and Threat Prevention.

? Advanced Threat Prevention is not a profile, but a term that refers to the comprehensive approach of Palo Alto Networks to prevent sophisticated and unknown threats. Advanced Threat Prevention includes WildFire, but also other products and services, such as DNS Security, Cortex XDR, Cortex XSOAR, and AutoFocus. Therefore, the profile that should be used to obtain a verdict regarding analyzed files is the WildFire Analysis profile.

References:

1: Security Profiles - Palo Alto Networks 2: WildFire Analysis Profile - Palo Alto

Networks 3: WildFire - Palo Alto Networks 4: Advanced Wildfire as an ICAP Alternative | Palo Alto Networks 5: Vulnerability Protection Profile - Palo Alto Networks

: [Content-ID - Palo Alto Networks] : [Advanced Threat Prevention - Palo Alto Networks]

**NEW QUESTION 111**

Which plane on a Palo alto networks firewall provides configuration logging and reporting functions on a separate processor?

- A. data
- B. network processing
- C. management
- D. security processing

Answer: C

**NEW QUESTION 114**

The CFO found a malware infected USB drive in the parking lot, which when inserted infected their corporate laptop the malware contacted a known command-and-control server which exfiltrating corporate data.

Which Security profile feature could have been used to prevent the communications with the command-and-control server?

- A. Create a Data Filtering Profile and enable its DNS sinkhole feature.
- B. Create an Antivirus Profile and enable its DNS sinkhole feature.
- C. Create an Anti-Spyware Profile and enable its DNS sinkhole feature.
- D. Create a URL Filtering Profile and block the DNS sinkhole URL category.

Answer: C

**NEW QUESTION 115**

An internal host wants to connect to servers of the internet through using source NAT. Which policy is required to enable source NAT on the firewall?

- A. NAT policy with source zone and destination zone specified
- B. post-NAT policy with external source and any destination address
- C. NAT policy with no source of destination zone selected
- D. pre-NAT policy with external source and any destination address

Answer: A

**NEW QUESTION 118**

An administrator wants to prevent access to media content websites that are risky  
 Which two URL categories should be combined in a custom URL category to accomplish this goal? (Choose two)

- A. Mastered
- B. Not Mastered

Answer: A

**NEW QUESTION 119**

Based on the graphic which statement accurately describes the output shown in the server monitoring panel?

The screenshot shows a configuration window for a Microsoft Active Directory server. The configuration includes:

- Domain's DNS Name: lab.local
- Kerberos Server Profile: lab-kerberos
- Enable Security Log:
- Server Log Monitor Frequency (sec): 2
- Enable Session:
- Server Session Read Frequency (sec): 10
- Novell eDirectory Query Interval (sec): 30
- Syslog Service Profile
- Enable Probing:
- Prove Interval (min): 20
- Enable User Identification Timeout:
- User Identification Timeout (min): 45
- Allow matching usernames without domains:
- Enable NTLM:
- NTLM Domain
- User-ID Collector Name

Below the configuration is a table titled "Server Monitoring":

Name	Enabled	Type	Network Address	Status
lab-client	<input checked="" type="checkbox"/>	Microsoft Active Directory	client-a.lab.local	Connected

- A. The User-ID agent is connected to a domain controller labeled lab-client.
- B. The host lab-client has been found by the User-ID agent.
- C. The host lab-client has been found by a domain controller.
- D. The User-ID agent is connected to the firewall labeled lab-client.

Answer: A

**NEW QUESTION 123**

Based on the screenshot what is the purpose of the included groups?

Name	Type	Source			Destination		Application	Service	Action
		Zone	Address	User	Zone	Address			
1 allow-it	universal	inside	any	it	dmz	any	it-tools	application-default	Allow

- A. They are only groups visible based on the firewall's credentials.
- B. They are used to map usernames to group names.
- C. They contain only the users you allow to manage the firewall.
- D. They are groups that are imported from RADIUS authentication servers.

Answer: B

**Explanation:**

Reference:  
<https://docs.paloaltonetworks.com/pan-os/9-1/pan-os-admin/user-id/map-users-to-groups.html>

**NEW QUESTION 127**

Based on the security policy rules shown, ssh will be allowed on which port?

	Name	Type	Source		Destination		Application	Service	URL Category	Action	Profile
			Zone	Address	Zone	Address					
1	Deny Google	Universal	Inside	Any	Outside	Any	Google-docs-base	Application-d	Any	Deny	None
2	Allowed-security serv...	Universal	Inside	Any	Outside	Any	Snmpv3 Ssh ssl	Application-d	Any	Allow	None
3	Intrazone-default	Intrazone	Any	Any	(intrazone)	Any	Any	Any	Any	Allow	None
4	Interzone-default	Interzone	Any	Any	Any	Any	Any	Any	Any	Deny	None

- A. 80
- B. 53
- C. 22
- D. 23

**Answer: C**

**Explanation:**

**NEW QUESTION 130**

What must be configured for the firewall to access multiple authentication profiles for external services to authenticate a non-local account?

- A. authentication sequence
- B. LDAP server profile
- C. authentication server list
- D. authentication list profile

**Answer: A**

**NEW QUESTION 132**

What is the correct process for creating a custom URL category?

- A. Objects > Security Profiles > URL Category > Add
- B. Objects > Custom Objects > URL Filtering > Add
- C. Objects > Security Profiles > URL Filtering > Add
- D. Objects > Custom Objects > URL Category > Add

**Answer: D**

**Explanation:**

**NEW QUESTION 137**

What must be configured before setting up Credential Phishing Prevention?

- A. Anti Phishing Block Page
- B. Threat Prevention
- C. Anti Phishing profiles
- D. User-ID

**Answer: B**

**Explanation:**

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

**NEW QUESTION 139**

The Palo Alto Networks NGFW was configured with a single virtual router named VR-1. What changes are required on VR-1 to route traffic between two interfaces on the NGFW?

- A. Add zones attached to interfaces to the virtual router
- B. Add interfaces to the virtual router
- C. Enable the redistribution profile to redistribute connected routes
- D. Add a static routes to route between the two interfaces

**Answer: D**

**Explanation:**

**NEW QUESTION 144**

Given the detailed log information above, what was the result of the firewall traffic inspection?

Detailed Log View		
General	Source	Destination
Session ID 781868	Source User	Destination User
Action drop	Source 192.168.101.25	Destination 8.8.4.4
Host ID	Source DAG	Destination DAG
Application dns	Country 192.168.0.0-192.168.255.255	Country United States
Rule Outbound DNS	Port 46282	Port 53
Rule UUID ea9f3b96-e280-467c-aca5-0b1902857791	Zone Servers	Zone Internet
Device SN 007251000156341	Interface ethernet1/4	Interface ethernet1/8
IP Protocol udp	NAT IP 67.190.64.58	NAT IP 8.8.4.4
Log Action global-logs	NAT Port 26351	NAT Port 53
Generated Time 2021/08/27 02:02:49	X-Forwarded-For IP 0.0.0.0	
Receive Time 2021/08/27 02:02:53		
Tunnel Type N/A		
	Details	Flags
		Captive Portal <input type="checkbox"/>

- A. It was blocked by the Anti-Virus Security profile action.
- B. It was blocked by the Anti-Spyware Profile action.
- C. It was blocked by the Vulnerability Protection profile action.
- D. It was blocked by the Security policy action.

**Answer: B**

**NEW QUESTION 145**

Which URL Filtering profile action would you set to allow users the option to access a site only if they provide a URL admin password?

- A. override
- B. authorization
- C. authentication
- D. continue

**Answer: B**

**Explanation:**

Reference:  
<https://docs.paloaltonetworks.com/pan-os/8-1/pan-os-admin/url-filtering/url-filtering-concepts/url-filteringprofile-actions.html>

**NEW QUESTION 147**

During the App-ID update process, what should you click on to confirm whether an existing policy rule is affected by an App-ID update?

- A. check now
- B. review policies
- C. test policy match
- D. download

**Answer: B**

**Explanation:**

Reference:<https://docs.paloaltonetworks.com/pan-os/9-0/pan-os-admin/app-id/manage-new-app-ids-introduced-in-content-releases/review-new-app-id-impact-on-existing-policy-rules>

**NEW QUESTION 149**

What is the maximum volume of concurrent administrative account sessions?

- A. Unlimited
- B. 2
- C. 10
- D. 1

**Answer: C**

**NEW QUESTION 154**

Which type of administrator account cannot be used to authenticate user traffic flowing through the firewall's data plane?

- A. Kerberos user
- B. SAML user
- C. local database user
- D. local user

**Answer: B**

**NEW QUESTION 158**

Which protocol used to map username to user groups when user-ID is configured?

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

Answer: D

**NEW QUESTION 163**

Which link in the web interface enables a security administrator to view the security policy rules that match new application signatures?

- A. Review Apps
- B. Review App Matches
- C. Pre-analyze
- D. Review Policies

Answer: D

Explanation:

**NEW QUESTION 168**

Which service protects cloud-based applications such as Dropbox and Salesforce by administering permissions and scanning files for sensitive information?

- A. Aperture
- B. AutoFocus
- C. Parisma SaaS
- D. GlobalProtect

Answer: C

**NEW QUESTION 170**

An administrator is troubleshooting traffic that should match the interzone-default rule. However, the administrator doesn't see this traffic in the traffic logs on the firewall. The interzone-default was never changed from its default configuration. Why doesn't the administrator see the traffic?

- A. Traffic is being denied on the interzone-default policy.
- B. The Log Forwarding profile is not configured on the policy.
- C. The interzone-default policy is disabled by default
- D. Logging on the interzone-default policy is disabled

Answer: D

**NEW QUESTION 174**

DRAG DROP

Match each rule type with its example

Create a policy with source zones A and B. The rule will apply to all traffic within zone A and all traffic within zone B, but not to traffic between zones A and B.	<b>Answer Area</b> <div style="border: 1px solid black; height: 30px; width: 100%;"></div> <div style="border: 1px solid black; height: 30px; width: 100%;"></div> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	Universal
Create a policy with source zones A and B and destination zones A and B. The rule should apply to all traffic within zone A, all traffic within zone B, all traffic from zone A to zone B, and all traffic from zone B to zone A.		Intrazone
Create a policy with source zones A and B and destination zones A and B. The rule would apply to traffic from zone A to zone B and from zone B to zone A, but not traffic within zones A or B.		Interzone

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Create a policy with source zones A and B. The rule will apply to all traffic within zone A and all traffic within zone B, but not to traffic between zones A and B.	<b>Answer Area</b> <div style="border: 2px dashed red; padding: 5px;">                 Create a policy with source zones A and B and destination zones A and B. The rule would apply to traffic from zone A to zone B and from zone B to zone A, but not traffic within zones A or B.             </div> <div style="border: 2px dashed red; padding: 5px;">                 Create a policy with source zones A and B. The rule will apply to all traffic within zone A and all traffic within zone B, but not to traffic between zones A and B.             </div> <div style="border: 2px dashed red; padding: 5px;">                 Create a policy with source zones A and B and destination zones A and B. The rule should apply to all traffic within zone A, all traffic within zone B, all traffic from zone A to zone B, and all traffic from zone B to zone A.             </div>	Universal
Create a policy with source zones A and B and destination zones A and B. The rule should apply to all traffic within zone A, all traffic within zone B, all traffic from zone A to zone B, and all traffic from zone B to zone A.		Intrazone
Create a policy with source zones A and B and destination zones A and B. The rule would apply to traffic from zone A to zone B and from zone B to zone A, but not traffic within zones A or B.		Interzone

**NEW QUESTION 175**

Which User-ID agent would be appropriate in a network with multiple WAN links, limited network bandwidth, and limited firewall management plane resources?

- A. Windows-based agent deployed on the internal network
- B. PAN-OS integrated agent deployed on the internal network
- C. Citrix terminal server deployed on the internal network
- D. Windows-based agent deployed on each of the WAN Links

**Answer:** A

**Explanation:**

Another reason to choose the Windows agent over the integrated PAN-OS agent is to save processing cycles on the firewall's management plane.

**NEW QUESTION 177**

Which path is used to save and load a configuration with a Palo Alto Networks firewall?

- A. Device>Setup>Services
- B. Device>Setup>Management
- C. Device>Setup>Operations
- D. Device>Setup>Interfaces

**Answer:** C

**NEW QUESTION 181**

What is the minimum frequency for which you can configure the firewall to check for new wildfire antivirus signatures?

- A. every 5 minutes
- B. every 1 minute
- C. every 24 hours
- D. every 30 minutes

**Answer:** B

**Explanation:**

**WildFire** Provides near real-time malware and antivirus signatures created as a result of the analysis done by the WildFire public cloud. WildFire signature updates are made available every five minutes. You can set the firewall to check for new updates as frequently as every minute to ensure that the firewall retrieves the latest WildFire signatures within a minute of availability. Without the WildFire subscription, you must wait at least 24 hours for the signatures to be provided in the Antivirus update.

**NEW QUESTION 184**

Given the image, which two options are true about the Security policy rules. (Choose two.)

	Name	Tags	Type	Source			Destination			Risk Usage			Application	Service	Action	Profile
				Zone	Address	User	Zone	Address	Hit Count	Last Hit	First Hit					
1	Allow Office Programs	None	Universal	Inside	Any	Any	Any	Outside	Any	-	-	-	Office-program	Application-d...	Allow	None
2	Allow FTP to web ser...	None	Universal	Inside	Any	Any	Any	Outside	ftp-server	-	-	-	any	ftp-service..	Allow	None
3	Allow Social Networkin...	None	Universal	Inside	Any	Any	Any	Outside	Any	-	-	-	facebook	Application-d...	Allow	None

The Allow Office Programs rule is using an Application Filter

- A. In the Allow FTP to web server rule, FTP is allowed using App-ID
- B. The Allow Office Programs rule is using an Application Group
- C. In the Allow Social Networking rule, allows all of Facebook's functions
- D. In the Allow Social Networking rule, allows all of Facebook's functions

**Answer:** AD

**Explanation:**

In the Allow FTP to web server rule, FTP is allowed using port based rule and not APP-ID.

**NEW QUESTION 185**

In a File Blocking profile, which two actions should be taken to allow file types that support critical apps? (Choose two.)

- A. Clone and edit the Strict profile.
- B. Use URL filtering to limit categories in which users can transfer files.
- C. Set the action to Continue.
- D. Edit the Strict profile.

**Answer:** AD

**NEW QUESTION 187**

An administrator receives a global notification for a new malware that infects hosts. The infection will result in the infected host attempting to contact a command-and-control (C2) server. Which two security profile components will detect and prevent this threat after the firewall's signature database has been updated? (Choose two.)

- A. vulnerability protection profile applied to outbound security policies
- B. anti-spyware profile applied to outbound security policies
- C. antivirus profile applied to outbound security policies
- D. URL filtering profile applied to outbound security policies

**Answer:** BD

#### NEW QUESTION 190

Which administrative management services can be configured to access a management interface?

- A. HTTP, CLI, SNMP, HTTPS
- B. HTTPS, SSH telnet SNMP
- C. SSH: telnet HTTP, HTTPS
- D. HTTPS, HTTP
- E. CLI, API

**Answer:** D

#### Explanation:

<https://docs.paloaltonetworks.com/pan-os/8-1/pan-os-admin/firewall-administration/management-interfaces>

You can use the following user interfaces to manage the Palo Alto Networks firewall:

? Use the Web Interface to perform configuration and monitoring tasks with relative ease. This graphical interface allows you to access the firewall using HTTPS (recommended) or HTTP and it is the best way to perform administrative tasks.

? Use the Command Line Interface (CLI) to perform a series of tasks by entering commands in rapid succession over SSH (recommended), Telnet, or the console port. The CLI is a no-frills interface that supports two command modes, operational and configure, each with a distinct hierarchy of commands and statements. When you become familiar with the nesting structure and syntax of the commands, the CLI provides quick response times and administrative efficiency.

? Use the XML API to streamline your operations and integrate with existing, internally developed applications and repositories. The XML API is a web service implemented using HTTP/HTTPS requests and responses.

? Use Panorama to perform web-based management, reporting, and log collection for multiple firewalls. The Panorama web interface resembles the firewall web interface but with additional functions for centralized management.

#### NEW QUESTION 191

What is a function of application tags?

- A. creation of new zones
- B. application prioritization
- C. automated referenced applications in a policy
- D. IP address allocations in DHCP

**Answer:** C

#### NEW QUESTION 196

Which administrator receives a global notification for a new malware that infects hosts. The infection will result in the infected host attempting to contact and command-and-control (C2) server.

Which security profile components will detect and prevent this threat after the firewall's signature database has been updated?

- A. antivirus profile applied to outbound security policies
- B. data filtering profile applied to inbound security policies
- C. data filtering profile applied to outbound security policies
- D. vulnerability profile applied to inbound security policies

**Answer:** C

#### Explanation:

#### NEW QUESTION 201

According to the best practices for mission critical devices, what is the recommended interval for antivirus updates?

- A. by minute
- B. hourly
- C. daily
- D. weekly

**Answer:** C

#### Explanation:

Reference:<https://docs.paloaltonetworks.com/pan-os/8-1/pan-os-admin/threat-prevention/best-practices-for-content-and-threat-content-updates/best-practices-mission-critical.html>

#### NEW QUESTION 202

An administrator has an IP address range in the external dynamic list and wants to create an exception for one specific IP address in this address range. Which steps should the administrator take?

- A. Add the address range to the Manual Exceptions list and exclude the IP address by selecting the entry.
- B. Add each IP address in the range as a list entry and then exclude the IP address by adding it to the Manual Exceptions list.

- C. Select the address range in the List Entries list
- D. A column will open with the IP addresses
- E. Select the entry to exclude.
- F. Add the specific IP address from the address range to the Manual Exceptions list by using regular expressions to define the entry.

**Answer:** D

**NEW QUESTION 206**

Which license is required to use the Palo Alto Networks built-in IP address EDLs?

- A. DNS Security
- B. Threat Prevention
- C. WildFire
- D. SD-Wan

**Answer:** B

**Explanation:**

Reference:

[https://docs.paloaltonetworks.com/pan-os/9-0/pan-os-admin/policy/use-an-external-dynamic-list-in-policy/built-in-edls.html#:~:text=With%20an%](https://docs.paloaltonetworks.com/pan-os/9-0/pan-os-admin/policy/use-an-external-dynamic-list-in-policy/built-in-edls.html#:~:text=With%20an%20)

**NEW QUESTION 211**

The firewall sends employees an application block page when they try to access Youtube. Which Security policy rule is blocking the youtube application?

	Name	Type	Source		Destination		Application	Service	URL Category	Action	Profile
			Zone	Address	Zone	Address					
1	Deny Google	Universal	Inside	Any	Outside	Any	Google-docs-base	Application-d	Any	Deny	None
2	Allowed-security serv...	Universal	Inside	Any	Outside	Any	Snmpv3 Ssh ssl	Application-d	Any	Allow	None
3	Intrazone-default	Intrazone	Any	Any	(intrazone)	Any	Any	Any	Any	Allow	None
4	Interzone-default	Interzone	Any	Any	Any	Any	Any	Any	Any	Deny	None

- A. intrazone-default
- B. Deny Google
- C. allowed-security services
- D. interzone-default

**Answer:** D

**NEW QUESTION 214**

Which statement best describes a common use of Policy Optimizer?

- A. Policy Optimizer on a VM-50 firewall can display which Layer 7 App-ID Security policies have unused applications.
- B. Policy Optimizer can add or change a Log Forwarding profile for each Security policy selected.
- C. Policy Optimizer can display which Security policies have not been used in the last 90 days.
- D. Policy Optimizer can be used on a schedule to automatically create a disabled Layer 7 App-ID Security policy for every Layer 4 policy that exist
- E. Admins can then manually enable policies they want to keep and delete ones they want to remove.

**Answer:** C

**NEW QUESTION 218**

An administrator is investigating a log entry for a session that is allowed and has the end reason of aged-out. Which two fields could help in determining if this is normal? (Choose two.)

- A. Packets sent/received
- B. IP Protocol
- C. Action
- D. Decrypted

**Answer:** BD

**NEW QUESTION 220**

Palo Alto Networks firewall architecture accelerates content map minimizing latency using which two components'? (Choose two )

- A. Network Processing Engine
- B. Single Stream-based Engine
- C. Policy Engine
- D. Parallel Processing Hardware

**Answer:** B

**NEW QUESTION 223**

An administrator wishes to follow best practices for logging traffic that traverses the firewall Which log setting is correct?

- A. Disable all logging
- B. Enable Log at Session End
- C. Enable Log at Session Start
- D. Enable Log at both Session Start and End

**Answer:** B

**Explanation:**

Reference:

<https://knowledgebase.paloaltonetworks.com/KCSArticleDetail?id=kA10g000000Clt5CAC>

**NEW QUESTION 228**

How often does WildFire release dynamic updates?

- A. every 5 minutes
- B. every 15 minutes
- C. every 60 minutes
- D. every 30 minutes

**Answer:** A

**NEW QUESTION 232**

A website is unexpectedly allowed due to miscategorization.  
What are two ways to resolve this issue for a proper response? (Choose two.)

- A. Identify the URL category being assigned to the website. Edit the active URL Filtering profile and update that category's site access settings to block.
- B. Create a URL category and assign the affected URL. Update the active URL Filtering profile site access setting for the custom URL category to block.
- C. Review the categorization of the website on <https://urlfiltering.paloaltonetworks.co>
- D. Submit for "request change", identifying the appropriate categorization, and wait for confirmation before testing again.
- E. Create a URL category and assign the affected URL. Add a Security policy with a URL category qualifier of the custom URL category below the original polic
- F. Set the policy action to Deny.

**Answer:** CD

**NEW QUESTION 236**

Which type of profile must be applied to the Security policy rule to protect against buffer overflows illegal code execution and other attempts to exploit system flaws?

- A. anti-spyware
- B. URL filtering
- C. vulnerability protection
- D. file blocking

**Answer:** C

**Explanation:**

Reference: <https://docs.paloaltonetworks.com/pan-os/8-1/pan-os-web-interface-help/objects/objects-security-profiles-vulnerability-protection.html>

example, Vulnerability Protection Security Profiles protect against buffer overflows, illegal code execution, and other attempts to exploit system vulnerabilities. The default Vulnerability Protection Security Profile protects clients and servers from all known critical-, high-, and medium-severity threats. You also can create exceptions that enable you to change the response to a specific signature.

**NEW QUESTION 237**

An administrator needs to add capability to perform real-time signature lookups to block or sinkhole all known malware domains.  
Which type of single unified engine will get this result?

- A. User-ID
- B. App-ID
- C. Security Processing Engine
- D. Content-ID

**Answer:** A

**NEW QUESTION 238**

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

- A. after the application has been identified
- B. after the SSL Proxy re-encrypts the packet

- C. before the packet forwarding process
- D. before session lookup

**Answer:** A

**Explanation:**

Reference:<https://knowledgebase.paloaltonetworks.com/KCSArticleDetail?id=kA10g0000000CIVHCA0>

**NEW QUESTION 241**

How many zones can an interface be assigned with a Palo Alto Networks firewall?

- A. two
- B. three
- C. four
- D. one

**Answer:** D

**NEW QUESTION 243**

Given the screenshot, what are two correct statements about the logged traffic? (Choose two.)

TYPE	FROM ZONE	TO ZONE	INGRESS I/F	SOURCE	NAT APPLIED	EGRESS I/F	DESTINATION	TO PORT	APPLICATION	ACTION	SESSION END REASON	BYTES	ACTION SOURCE	LOG ACTION	BYTES SENT	BYTES RECEIVED	LOG TYPE
end	LAN	Internet	ethernet1/2	192.168.200.100	yes	ethernet1/5	198.54.112.97	443	web-browsing	allow	threat	3.3k	from-policy	default	2.7k	541	traffic

- A. The web session was unsuccessfully decrypted.
- B. The traffic was denied by security profile.
- C. The traffic was denied by URL filtering.
- D. The web session was decrypted.

**Answer:** D

**NEW QUESTION 248**

What must be considered with regards to content updates deployed from Panorama?

- A. Content update schedulers need to be configured separately per device group.
- B. Panorama can only install up to five content versions of the same type for potential rollback scenarios.
- C. A PAN-OS upgrade resets all scheduler configurations for content updates.
- D. Panorama can only download one content update at a time for content updates of the same type.

**Answer:** D

**Explanation:**

Reference:<https://docs.paloaltonetworks.com/panorama/9-1/panorama-admin/manage-licenses-and-updates/deploy-updates-to-firewalls-log-collectors-and-wildfire-appliances-using-panorama/schedule-a-content-update-using-panorama.html>

**NEW QUESTION 250**

The compliance officer requests that all evasive applications need to be blocked on all perimeter firewalls out to the internet. The firewall is configured with two zones;

- \* 1. trust for internal networks
- \* 2. untrust to the internet

Based on the capabilities of the Palo Alto Networks NGFW, what are two ways to configure a security policy using App-ID to comply with this request? (Choose two)

- A. Create a deny rule at the top of the policy from trust to untrust with service application- default and add an application filter with the evasive characteristic
- B. Create a deny rule at the top of the policy from trust to untrust over any service and select evasive as the application
- C. Create a deny rule at the top of the policy from trust to untrust with service application- default and select evasive as the application
- D. Create a deny rule at the top of the policy from trust to untrust over any service and add an application filter with the evasive characteristic

**Answer:** AD

**NEW QUESTION 253**

What are the two default behaviors for the intrazone-default policy? (Choose two.)

- A. Allow
- B. Logging disabled
- C. Log at Session End
- D. Deny

**Answer:** AB

**NEW QUESTION 254**

Which three filter columns are available when setting up an Application Filter? (Choose three.)

- A. Parent App
- B. Category
- C. Risk
- D. Standard Ports
- E. Subcategory

**Answer:** BCE

**Explanation:**

<https://docs.paloaltonetworks.com/pan-os/9-1/pan-os-web-interface-help/objects/objects-application-filters>

**NEW QUESTION 259**

DRAG DROP

Match the Palo Alto Networks Security Operating Platform architecture to its description.

Threat Intelligence Cloud	Drag answer here	Identifies and inspects all traffic to block known threats.
Next-Generation Firewall	Drag answer here	Gathers, analyzes, correlates, and disseminates threats to and from the network and endpoints located within the network.
Advanced Endpoint Protection	Drag answer here	Inspects processes and files to prevent known and unknown exploits.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Threat Intelligence Cloud – Gathers, analyzes, correlates, and disseminates threats to and from the network and endpoints located within the network.

Next-Generation Firewall – Identifies and inspects all traffic to block known threats  
 Advanced Endpoint Protection - Inspects processes and files to prevent known and unknown exploits

**NEW QUESTION 263**

Access to which feature requires PAN-OS Filtering licens?

- A. PAN-DB database
- B. URL external dynamic lists
- C. Custom URL categories
- D. DNS Security

**Answer:** A

**Explanation:**

Reference:<https://docs.paloaltonetworks.com/pan-os/8-1/pan-os-admin/getting-started/activate-licenses-and-subscriptions.html>

**NEW QUESTION 266**

In which stage of the Cyber-Attack Lifecycle would the attacker inject a PDF file within an email?

- A. Weaponization
- B. Reconnaissance
- C. Installation
- D. Command and Control
- E. Exploitation

**Answer:** A

**NEW QUESTION 268**

Which interface type requires no routing or switching but applies Security or NAT policy rules before passing allowed traffic?

- A. Layer 3
- B. Virtual Wire
- C. Tap
- D. Layer 2

Answer: A

**NEW QUESTION 272**

Which prevention technique will prevent attacks based on packet count?

- A. zone protection profile
- B. URL filtering profile
- C. antivirus profile
- D. vulnerability profile

Answer: A

**NEW QUESTION 273**

An administrator is troubleshooting an issue with traffic that matches the intrazone-default rule, which is set to default configuration. What should the administrator do?

- A. Mastered
- B. Not Mastered

Answer: A

**NEW QUESTION 274**

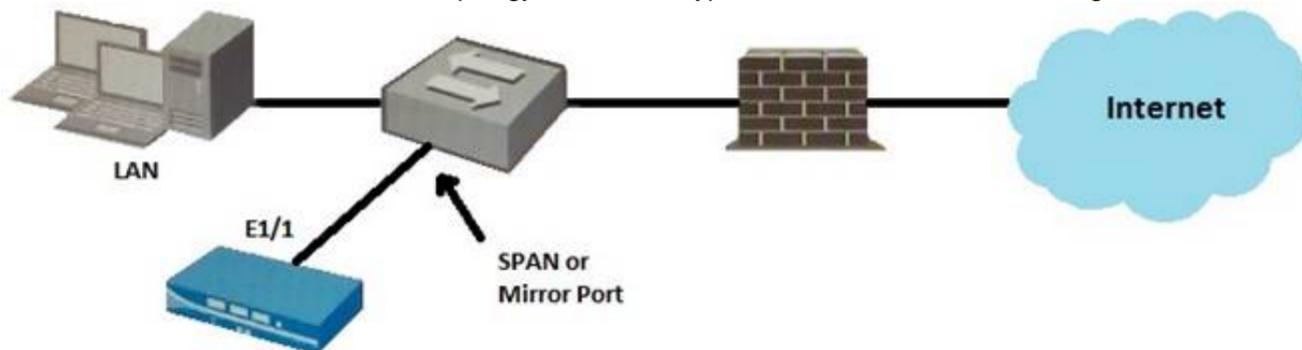
Which five Zero Trust concepts does a Palo Alto Networks firewall apply to achieve an integrated approach to prevent threats? (Choose five.)

- A. User identification
- B. Filtration protection
- C. Vulnerability protection
- D. Antivirus
- E. Application identification
- F. Anti-spyware

Answer: ACDEF

**NEW QUESTION 275**

Given the topology, which zone type should interface E1/1 be configured with?



- A. Tap
- B. Tunnel
- C. Virtual Wire
- D. Layer3

Answer: A

**NEW QUESTION 278**

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