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PCNSE EXAM

Palo Alto Networks Certified Network Security Engineer
(PAN-OS 10.0)

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Version: 20.0

Topic 1, Main Questions pool

Question:1

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. Configuration Logs
- B. System Logs
- C. Task Manager
- D. Traffic Logs

Answer: BC

Question:2

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

- A. GlobalProtect Portal
- B. CaptivePortal
- C. WebUI
- D. CLI

Answer: A,B

Question:3

What is the purpose of the firewall decryption broker?

- A. Decrypt SSL traffic a then send it as cleartext to a security chain of inspection tools
- B. Force decryption of previously unknown cipher suites
- C. Inspection traffic within IPsec tunnel
- D. Reduce SSL traffic to a weaker cipher before sending it to a security chain of inspection tools

Answer: A

Question:4

Which three split tunnel methods are supported by a globalProtect gateway? (Choose three.)

- 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

Question:5

Based on the image, what caused the commit warning?

The screenshot shows the Palo Alto Networks GUI under the 'Device' tab, specifically the 'Device Certificates' section. Two certificates are listed:

Name	Subject	Issuer	CA	Key	Expires	Status	Al...	Usage
FWDtrust	CN=FWDtrust	DC = local, DC = lab, CN = lab-SRV2016-LABCA-CA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Jun 29 02:02:05 2020 GMT	valid	RSA	Forward Trust Certificate
FWD-UnTrust	CN = FWD-UnTrust	CN = FWD-UnTrust	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Jun 29 02:06:36 2019 GMT	valid	RSA	Forward Trust Certificate

Below the table, a 'Commit Status' dialog box is open, showing the following details:

- Operation:** Commit
- Status:** Completed
- Result:** Successful
- Details:** Configuration committed successfully
- Warnings:** Warning: cannot find complete certificate chain for certificate FWDtrust (Module: device)

- 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

Question:6

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 thresholdsEnable 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

Question:7

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

Question:8

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

Question:9

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

The screenshot shows the configuration for an External Dynamic List named 'TORexitNodes-MM'. The list type is 'IP List'. The source URL is 'https://MineMeld/feeds/TORexitOut'. The server authentication is set to 'None (Disable Cert profile)'. The list is updated hourly. The 'Test Source URL' button is present at the bottom left.

- 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

Question:10

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

Question:11

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: A

Question:12

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

Question:13

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

Question:14

Which administrative authentication method supports authorization by an external service?

- A. Certificates
- B. LDAP
- C. RADIUS
- D. SSH keys

Answer: C

Question:15

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

Question:16

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

Question:17

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

Question:18

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 by1 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	

- A. Exhibit A
- B. Exhibit B
- C. Exhibit C
- D. Exhibit D

Answer: A, D

Question:19

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: D, E

Question:20

Which CLI command is used to simulate traffic going through the firewall and 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>

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