



PCNSE^{Q&As}

Palo Alto Networks Certified Security Engineer (PCNSE) PAN-OS 11.x

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QUESTION 1

View the GlobalProtect configuration screen capture.

The screenshot shows the 'Configs' window with the 'Internal' tab selected. Under 'Internal Host Detection IPv4', the checkbox is checked, and the IP Address is 192.168.10.1 and Hostname is host.my.domain. Under 'Internal Host Detection IPv6', the checkbox is unchecked.

What is the purpose of this configuration?

- A. It configures the tunnel address of all internal clients to an IP address range starting at 192.168.10.1.
- B. It forces an internal client to connect to an internal gateway at IP address 192.168.10.1.
- C. It enables a client to perform a reverse DNS lookup on 192.168.10.1 to detect that it is an internal client.
- D. It forces the firewall to perform a dynamic DNS update, which adds the internal gateway's hostname and IP address to the DNS server.

Correct Answer: C

Reference:

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

"Select this option to allow the GlobalProtect agent to determine if it is inside the enterprise network. This option applies only to endpoints that are configured to communicate with internal gateways. When the user attempts to log in, the agent

does a reverse DNS lookup of an internal host using the specified Hostname to the specified IP Address. The host serves as a reference point that is reachable if the endpoint is inside the enterprise network. If the agent finds the host, the

endpoint is inside the network and the agent connects to an internal gateway; if the agent fails to find the internal host, the endpoint is outside the network and the agent establishes a tunnel to one of the external gateways"

QUESTION 2

SD-WAN is designed to support which two network topology types? (Choose two.)

- A. ring
- B. point-to-point
- C. hub-and-spoke



D. full-mesh

Correct Answer: CD

<https://docs.paloaltonetworks.com/plugins/vm-series-and-panorama-plugins-release-notes/panorama-plugin-for-sd-wan/sd-wan-plugin-200/features-introduced-in-sd-wan-2-0.html>

https://www.paloaltonetworks.nl/apps/pan/public/downloadResource?pagePath=/content/pan/en_US/resources/guides/pan-os-secure-sd-wan-deployment-guide

QUESTION 3

When you import the configuration of an HA pair into Panorama, how do you prevent the import from affecting ongoing traffic?

- A. Disable HA
- B. Disable the HA2 link
- C. Disable config sync
- D. Set the passive link state to \\'shutdown.'

Correct Answer: C

Updated reference: <https://docs.paloaltonetworks.com/panorama/10-1/panorama-admin/manage-firewalls/transition-a-firewall-to-panorama-management/migrate-a-firewall-ha-pair-to-panorama-management.html> Step 2 is "Disable configuration synchronization between the HA peers."

QUESTION 4

Which authentication source requires the installation of Palo Alto Networks software, other than PAN-OS 7x, to obtain a username-to-IP-address mapping?

- A. Microsoft Active Directory
- B. Microsoft Terminal Services
- C. Aerohive Wireless Access Point
- D. Palo Alto Networks Captive Portal

Correct Answer: B

QUESTION 5

A firewall engineer creates a destination static NAT rule to allow traffic from the internet to a webserver hosted behind the edge firewall. The pre-NAT IP address of the server is 153.6.12.10, and the post-NAT IP address is 192.168.10.10. Refer to the routing and interfaces information below.



INTERFACE	INTERFACE TYPE	MANAGEMENT PROFILE	LINK STATE	IP ADDRESS	VIRTUAL ROUTER	TAG	VLAN / VIRTUAL-WIRE	SECURITY ZONE
ethernet1/1				none	none	Untagged	none	none
ethernet1/2	Layer3	Inside		192.168.11/24	default	Untagged	none	Inside
ethernet1/3	Layer3			Dynamic-DHCP Client	default	Untagged	none	Outside

Virtual Router - default



Router Settings

Static Routes

Redistribution Profile

RIP

OSPF

OSPFv3

BGP

Multicast

IPv4 | IPv6

3 items → ×								
<input type="checkbox"/>	NAME	DESTINATION	INTERFACE	Next Hop		ADMIN DISTANCE	M...	ROUTE TABLE
				TYPE	VALUE			
<input type="checkbox"/>	route1	153.6.12.0/27	ethernet1/2	ip-address	192.168.1.2	default	10	unicast
<input type="checkbox"/>	route2	192.168.10.0/24	ethernet1/2	ip-address	192.168.1.2	default	10	unicast
<input type="checkbox"/>	default	0.0.0.0/0	ethernet1/3	ip-address	207.212.10.1	default	10	unicast

Add Delete Clone

OK

Cancel

What should the NAT rule destination zone be set to?

- A. None
- B. Outside
- C. DMZ
- D. Inside

Correct Answer: B

The destination zone in the NAT rule is determined after the route lookup of the destination IP address in the original packet (that is, the pre-NAT destination IP address). <https://docs.paloaltonetworks.com/pan-os/10-1/pan-os-networkingadmin/nat/nat-configuration-examples/destination-nat-exampleone-to-one-mapping> The NAT rule destination zone should be set to the zone where the traffic is destined before NAT. In this case, the traffic from the internet is destined to the pre-NAT IP address of the server, which is 153.6.12.10. This IP address belongs to the Outside zone, as shown in the routing and interfaces information. Therefore, the NAT rule destination zone should be set to Outside. The other options are not correct. None is not a valid option for the NAT rule destination zone. Inside and DMZ are the zones where the traffic is destined after NAT, which is 192.168.10.10.

References: <https://docs.paloaltonetworks.com/pan-os/10-2/pan-os-admin/networking/nat/source-and-destination-nat/configure-destination-nat>



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