

Exam Questions JN0-231

Security - Associate (JNCIA-SEC)

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NEW QUESTION 1

What are three Junos UTM features? (Choose three.)

- A. screens
- B. antivirus
- C. Web filtering
- D. IDP/IPS
- E. content filtering

Answer: BCE

NEW QUESTION 2

Which three operating systems are supported for installing and running Juniper Secure Connect client software? (Choose three.)

- A. Windows 7
- B. Android
- C. Windows 10
- D. Linux
- E. macOS

Answer: ACE

Explanation:

Juniper Secure Connect client software is supported on the following three operating systems: Windows 7, Windows 10, and macOS. For more information, please refer to the Juniper Secure Connect Administrator Guide, which can be found on Juniper's website. The guide states: "The Juniper Secure Connect client is supported on Windows 7, Windows 10, and macOS." It also provides detailed instructions on how to install and configure the software for each of these operating systems.

NEW QUESTION 3

You have configured a UTM feature profile.

Which two additional configuration steps are required for your UTM feature profile to take effect? (Choose two.)

- A. Associate the UTM policy with an address book.
- B. Associate the UTM policy with a firewall filter.
- C. Associate the UTM policy with a security policy.
- D. Associate the UTM feature profile with a UTM policy.

Answer: CD

Explanation:

For the UTM feature profile to take effect, it must be associated with a security policy and a UTM policy. The security policy defines the traffic flow and the actions that should be taken on the traffic, while the UTM policy defines the security features to be applied to the traffic, such as antivirus, intrusion prevention, and web filtering. The UTM feature profile provides the necessary configuration for the security features defined in the UTM policy.

NEW QUESTION 4

What does the number "2" indicate in interface ge—0/1/2?

- A. The interface logical number
- B. The physical interface card (PIC)
- C. The port number
- D. The flexible PIC concentrator (FPC)

Answer: C

NEW QUESTION 5

You are deploying an SRX Series firewall with multiple NAT scenarios. In this situation, which NAT scenario takes priority?

- A. interface NAT
- B. source NAT
- C. static NAT
- D. destination NAT

Answer: A

Explanation:

This is because the interface NAT would allow the connections to pass through the firewall - and thus, would ensure that the appropriate ports are open in order to allow for the connections to be established.

This is a really important step in order to ensure that all of the appropriate traffic is allowed through the SRX Series firewall - and thus, it must be a priority when deploying the firewall.

NEW QUESTION 6

You need to collect the serial number of an SRX Series device to replace it. Which command will accomplish this task?

- A. show chassis hardware
- B. show system information

- C. show chassis firmware
- D. show chassis environment

Answer: A

Explanation:

The correct command to collect the serial number of an SRX Series device is the show chassis hardware command [1]. This command will return the serial number of the device, along with other information about the device such as the model number, part number, and version.

This command is available in Junos OS. More information about the show chassis hardware command can be found in the Juniper Networks technical documentation here [1]: https://www.juniper.net/documentation/en_US/junos/topics/reference/command-summary/show-chassis-hardwa

NEW QUESTION 7

Which two IPsec hashing algorithms are supported on an SRX Series device? (Choose two.)

- A. SHA-1
- B. SHAKE128
- C. MD5
- D. RIPEMD-256

Answer: AC

NEW QUESTION 8

Which two criteria should a zone-based security policy include? (Choose two.)

- A. a source port
- B. a destination port
- C. zone context
- D. an action

Answer: AB

Explanation:

A security policy is a set of statements that controls traffic from a specified source to a specified destination using a specified service. A policy permits, denies, or tunnels specified types of traffic unidirectionally between two points.

Each policy consists of:

A unique name for the policy.

A from-zone and a to-zone, for example: user@host# set security policies from-zone untrust to-zone untrust A set of match criteria defining the conditions that must be satisfied to apply the policy rule. The match criteria are based on a source IP address, destination IP address, and applications. The user identity firewall provides greater granularity by including an additional tuple, source-identity, as part of the policy statement.

A set of actions to be performed in case of a match—permit, deny, or reject. Accounting and auditing elements—counting, logging, or structured system logging.

<https://www.juniper.net/documentation/us/en/software/junos/security-policies/topics/topic-map/security-policy-c>

NEW QUESTION 9

Your ISP gives you an IP address of 203.0.113.0/27 and informs you that your default gateway is 203.0.113.1. You configure destination NAT to your internal server, but the requests sent to the webserver at 203.0.113.5 are not arriving at the server.

In this scenario, which two configuration features need to be added? (Choose two.)

- A. firewall filter
- B. security policy
- C. proxy-ARP
- D. UTM policy

Answer: BC

NEW QUESTION 10

What information does the show chassis routing-engine command provide?

- A. chassis serial number
- B. resource utilization
- C. system version
- D. routing tables

Answer: B

NEW QUESTION 10

You are creating Ipsec connections.

In this scenario, which two statements are correct about proxy IDs? (Choose two.)

- A. Proxy IDs are used to configure traffic selectors.
- B. Proxy IDs are optional for Phase 2 session establishment.
- C. Proxy IDs must match for Phase 2 session establishment.
- D. Proxy IDs default to 0.0.0.0/0 for policy-based VPNs.

Answer: AB

NEW QUESTION 11

Which two user authentication methods are supported when using a Juniper Secure Connect VPN? (Choose two.)

- A. certificate-based
- B. multi-factor authentication
- C. local authentication
- D. active directory

Answer: CD

Explanation:

"Local Authentication—In local authentication, the SRX Series device validates the user credentials by checking them in the local database. In this method, the administrator handles change of password or resetting of forgotten password. Here, it requires that an user must remember a new password. This option is not much preferred from a security standpoint.

• External Authentication—In external authentication, you can allow the users to use the same user credentials they use when accessing other resources on the network. In many cases, user credentials are domain logon used for Active Directory or any other LDAP authorization system. This method simplifies user experience and improves the organization's security posture; because you can maintain the authorization system with the regular security policy used by your organization."

<https://www.juniper.net/documentation/us/en/software/secure-connect/secure-connect-administrator-guide/topic>

NEW QUESTION 15

Which Web filtering solution uses a direct Internet-based service for URL categorization?

- A. Juniper ATP Cloud
- B. Websense Redirect
- C. Juniper Enhanced Web Filtering
- D. local blocklist

Answer: C

Explanation:

Juniper Enhanced Web Filtering is a web filtering solution that uses a direct Internet-based service for URL categorization. This service allows Enhanced Web Filtering to quickly and accurately categorize URLs and other web content, providing real-time protection against malicious content. Additionally, Enhanced Web Filtering is able to provide detailed reporting on web usage, as well as the ability to define and enforce acceptable use policies.

References:

https://www.juniper.net/documentation/en_US/junos-space-security-director/topics/task/configuration/security-s

https://www.juniper.net/documentation/en_US/junos-space-security-director/topics/task/configuration/security-s

NEW QUESTION 20

Which two statements are correct about screens? (Choose two.)

- A. Screens process inbound packets.
- B. Screens are processed on the routing engine.
- C. Screens process outbound packets.
- D. Screens are processed on the flow module.

Answer: AD

NEW QUESTION 21

Which statement is correct about unified security policies on an SRX Series device?

- A. A zone-based policy is always evaluated first.
- B. The most restrictive policy is applied regardless of the policy level.
- C. A global policy is always evaluated first.
- D. The first policy rule is applied regardless of the policy level.

Answer: A

NEW QUESTION 25

Which two non-configurable zones exist by default on an SRX Series device? (Choose two.)

- A. Junos-host
- B. functional
- C. null
- D. management

Answer: AC

Explanation:

Junos-host and null are two non-configurable zones that exist by default on an SRX Series device. Junos-host is the default zone for all internal interfaces and services, such as management and other loopback interfaces. The null zone is used to accept all traffic that is not explicitly accepted by other security policies, and is the default zone for all unclassified traffic. Both zones cannot be modified or deleted.

References:

https://www.juniper.net/documentation/en_US/junos/topics/task/configuration/security-zones-overview.html

https://www.juniper.net/documentation/en_US/junos/topics/reference/configuration-statement/security-zones-de

NEW QUESTION 30

Which two IKE Phase 1 configuration options must match on both peers to successfully establish a tunnel? (Choose two.)

- A. VPN name
- B. gateway interfaces
- C. IKE mode
- D. Diffie-Hellman group

Answer: CD

NEW QUESTION 32

What is the default timeout value for TCP sessions on an SRX Series device?

- A. 30 seconds
- B. 60 minutes
- C. 60 seconds
- D. 30 minutes

Answer: D

Explanation:

By default, TCP has a 30-minute idle timeout, and UDP has a 60-second idle timeout. Additionally, known IP protocols have a 30-minute timeout, whereas unknown ones have a 60-second timeout. Setting the inactivity timeout is very useful, particularly if you are concerned about applications either timing out or remaining idle for too long and filling up the session table. According to the Juniper SRX Series Services Guide, this can be configured using the 'timeout inactive' statement for the security policy.

NEW QUESTION 37

You have an FTP server and a webserver on the inside of your network that you want to make available to users outside of the network. You are allocated a single public IP address.

In this scenario, which two NAT elements should you configure? (Choose two.)

- A. destination NAT
- B. NAT pool
- C. source NAT
- D. static NAT

Answer: AB

Explanation:

With single Ip address it is port forwarding. So, destination NAT and a pool address point to the single public IP of the internet facing interface.

NEW QUESTION 40

What are two functions of Juniper ATP Cloud? (Choose two.)

- A. malware inspection
- B. Web content filtering
- C. DDoS protection
- D. Geo IP feeds

Answer: AD

Explanation:

Juniper Advanced Threat Prevention (ATP) Cloud is a security service that helps organizations protect against advanced threats by providing real-time threat intelligence and automated response capabilities. It combines a cloud-based threat intelligence platform with the security capabilities of Juniper Networks security devices to provide comprehensive protection against advanced threats. The two functions of Juniper ATP Cloud include malware inspection and Geo IP feeds. The malware inspection component provides real-time protection against known and unknown threats by analyzing suspicious files and determining if they are malicious. The Geo IP feeds provide a global view of IP addresses and their associated countries, allowing organizations to identify and block traffic from known malicious countries.

NEW QUESTION 45

Which statement is correct about global security policies on SRX Series devices?

- A. The to-zone any command configures a global policy.
- B. The from-zone any command configures a global policy.
- C. Global policies are always evaluated first.
- D. Global policies can include zone context.

Answer: D

NEW QUESTION 47

Click the Exhibit button.

```

policies {
  from-zone untrust to-zone trust {
    policy permit-all {
      [...]
      then {
        permit;
      }
    }
    policy deny-all {
      [...]
      then {
        deny;
      }
    }
    policy reject-all {
      [...]
      then {
        reject;
      }
    }
  }
}

```

Which two statements are correct about the partial policies shown in the exhibit? (Choose two.)

- A. UDP traffic matched by the deny-all policy will be silently dropped.
- B. TCP traffic matched by the reject-all policy will have a TCP RST sent.
- C. TCP traffic matched from the zone trust is allowed by the permit-all policy.
- D. UDP traffic matched by the reject-all policy will be silently dropped.

Answer: AB

NEW QUESTION 48

You are configuring an SRX Series device. You have a set of servers inside your private network that need one-to-one mappings to public IP addresses. Which NAT configuration is appropriate in this scenario?

- A. source NAT with PAT
- B. destination NAT
- C. NAT-T
- D. static NAT

Answer: D

Explanation:

https://www.juniper.net/documentation/en_US/day-one-books/nat-and-pat-en.html

And the specific text that would support the above answer is as follows: "Static NAT, which requires manual configuration, is often the most appropriate configuration for mapping one internal address to one external address."

NEW QUESTION 49

Which two traffic types are considered exception traffic and require some form of special handling by the PFE? (Choose two.)

- A. SSH sessions
- B. ICMP reply messages
- C. HTTP sessions
- D. traceroute packets

Answer: BD

NEW QUESTION 52

What are two valid address books? (Choose two.)

- A. 66.129.239.128/25
- B. 66.129.239.154/24
- C. 66.129.239.0/24
- D. 66.129.239.50/25

Answer: AC

Explanation:

Network Prefixes in Address Books

You can specify addresses as network prefixes in the prefix/length format. For example, 203.0.113.0/24 is an acceptable address book address because it translates to a network prefix. However, 203.0.113.4/24 is not acceptable for an address book because it exceeds the subnet length of 24 bits. Everything beyond the subnet length must be entered as 0 (zero). In special scenarios, you can enter a hostname because it can use the full 32-bit address length.

<https://www.juniper.net/documentation/us/en/software/junos/security-policies/topics/topic-map/security-address>

NEW QUESTION 53

Which two statements are correct about IKE security associations? (Choose two.)

- A. IKE security associations are established during IKE Phase 1 negotiations.
- B. IKE security associations are unidirectional.
- C. IKE security associations are established during IKE Phase 2 negotiations.
- D. IKE security associations are bidirectional.

Answer: AD

NEW QUESTION 56

SRX Series devices have a maximum of how many rollback configurations?

- A. 40
- B. 60
- C. 50
- D. 10

Answer: C

NEW QUESTION 59

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