Juniper

Exam Questions JN0-104

Junos - Associate (JNCIA-Junos)

NEW QUESTION 1
When you choose to read your e-mail using an e-mail client, your e-mail client interacts with which OSI layer?

A. presentation
B. transport
C. application
D. session

Answer: C

Explanation:
According to the OSI (Open Systems Interconnection) model, the application layer is responsible for providing the user with a means to access the network services, such as e-mail, file transfer, and virtual terminal access. An e-mail client, such as Microsoft Outlook or Apple Mail, operates at the application layer and interacts with the underlying network services to retrieve and manage e-mail messages.

NEW QUESTION 2
Which two statements about the configure exclusive command are correct? (Choose two.)

A. The command excludes other users from editing the configuration.
B. The command retains all uncommitted changes when exiting exclusive mode
C. The command causes the loss of all uncommitted changes when exiting exclusive mode
D. The command allows multiple users to edit private copies of the configuration concurrently.

Answer: CD

NEW QUESTION 3
Which default login class should you select if you want the user to edit configuration files?

A. read-only
B. unauthorized
C. super-user
D. operator

Answer: C

NEW QUESTION 4
Which Junos OS routing instance type is used for non-VPN-related applications such as system virtualization?

A. vpls
B. forwarding
C. virtual-router
D. vrf

Answer: C

NEW QUESTION 5
What is the decimal equivalent of 00000100?

A. 2
B. 4
C. 9
D. 12

Answer: B

NEW QUESTION 6
What are two important steps when upgrading an SRX300 Series device? (Choose two.)

A. Verify that enough space exists to upload the software package.
B. Clear all alarms.
C. Reboot the device.
D. Verify that the NETCONF protocol is enabled.

Answer: AC

Explanation:
Ref: Installing Software on SRX Series Devices | Junos OS | Juniper Networks "…
Example: Installing Junos OS Upgrade Packages on SRX Series Devices
… Requirements
Before you begin:
• Verify the available space on the internal media.
… Overview
By default, the request system software add package-name command uses the validate option to validate the software package against the current configuration as a prerequisite to adding the software package. This validation ensures that the device can reboot successfully after the software package is installed. This is the default behavior when you are adding a software package.

…"

NEW QUESTION 7
Which statement is true when using the allow command and deny command attributes when creating user permissions?

A. If you allow and deny the same commands, the Junos OS will fail the commit check.
B. If you allow and deny the same command, the allow command permissions take precedence over the deny command permissions.
C. If you specify a regular expression for allow and deny with two variants of a command, both will beignored.
D. The all login class permission bits take precedence over allow and deny when a user issues the rollback command.

Answer: B

NEW QUESTION 8
Click the Exhibit button

What is the next-hop interface for traffic destined to 172.19.52.101 as shown in the exhibit?

A. ge-0/0/3.0
B. ge-0/0/0.0
C. ge-0/0/2.0
D. ge-0/0/1.0

Answer: D

NEW QUESTION 9
Which statement about the forwarding table is correct?

A. It contains all known routes including IPv6
B. It is only available on the PFE
C. It is only available on the RE
D. It is available on both the RE and the PFE.

Answer: B

NEW QUESTION 10
Click the Exhibit button.

You want to make the OSPF route shown in the exhibit the active route for the 10.10.10.0/24 IP address. Which action is required to accomplish this task?

A. Set the static route to no-readvertise.
B. Set the OSPF route preference to 4.
C. Set the static route preference to 0
D. Set the OSPF metric to 0

Answer: B

NEW QUESTION 10

Your Junos OS routers use a static route to provide connectivity to the management network. You do not want this static route to be redistributed using a dynamic routing protocol.
In this scenario, which static route configuration parameter will accomplish this task?

A. no-install
B. no-retain
C. no-resolve
D. no-readvertise

Answer: C

NEW QUESTION 12
Click the Exhibit button.

```
user@router> show interfaces fxp0
Physical interface: fxp0, Enabled, Physical link is Up
  Interface index: 8, SNMP ifIndex: 1
  Type: Ethernet, Link-level type: Ethernet, MTU: 1514, Speed: 1000mbps
  Device flags   : Present Running
  Interface flags: SNMP-Traps
  Link type      : Full-Duplex
  Current address: 00:50:56:a9:1c:b0, Hardware address: 00:50:56:a9:1c:b0
  Last flapped   : 2020-01-17 16:27:10 UTC (1w3d 23:56 ago)
    Input packets : 54054
    Output packets: 30089             50:42  76.3 MB   Ctrl+F11: Pause / Resume  ■
  Logical interface fxp0.0 (Index 5) (SNMP ifIndex 13)
    Flags: Up SNMP-Traps Encapsulation: ENET2
    Input packets : 54054
    Output packets: 30089
    Protocol inet, MTU: 1500
    Max nh cache: 100000, New hold nh limit: 100000, Curr nh cnt: 1,
    Curr new hold cnt: 0, NH drop cnt: 0
      Flags: Sendbcast-pkt-to-re, Is-Primary
      Addresses, Flags: Is-Default Is-Preferred Is-Primary
        Destination: 172.25.11/24, Local: 172.25.11.1, Broadcast: 172.25.11.255
```

Referring to the exhibit, which two statements are true? (Choose two.)

A. The logical interface is running IPv6.
B. The interface is operating in full-duplex mode.
C. The address 172.25.11.255 is the broadcast address for the logical interface.
D. The interface MAC address has been changed from the default MAC address.

Answer: BC

NEW QUESTION 16
Which two operating systems are used as the foundation of the Junos OS? (Choose two.)

A. Ubuntu
B. CentOS
C. Linux
D. FreeBSD

Answer: CD

NEW QUESTION 20
Which two parameters are considered action modifiers in the firewall filters then statement? (Choose two.)

A. next term
B. reject
C. policer
D. counter

Answer: AC

NEW QUESTION 24
Which statement about the show chassis hardware Command is correct?

A. The command provides a list of installed hardware components, including serial numbers and model numbers.
B. The command provides a list of all current hardware utilization statistics and operational status
C. The command provides 2 list of supported hardware components and their current operating status
D. The command provides a list of supported hardware components and environmental thresholds.

Answer: A

NEW QUESTION 29
Click the Exhibit button.

Exhibit

```
[edit policy-options]
user@router# show
policy-statement BGP-to-OSPF {
    term 10 {
        from protocol bgp;
        then accept;
    }
}
```

You must apply the policy shown in the exhibit to readvertise BGP routes to OSPF neighbors Which action will accomplish this task?

A. You must apply the policy as an import policy within the BGP configuration
B. You must apply the policy as an import policy within the OSPF configuration.
C. You must apply the policy as an export policy within the BGP configuration
D. You must apply the policy as an export policy within the OSPF configuration

Answer: B

NEW QUESTION 31
You are asked to configure filter-based forwarding Which routing-instance type would you use?

A. VRF
B. virtual router
C. non-forwarding
D. forwarding

Answer: D

NEW QUESTION 33
What is a function of the PFE?

A. to generate protocol control traffic
B. to monitor chassis components
C. to apply stateless firewall filters
D. to generate forwarding tables

Answer: C

NEW QUESTION 35
Click the Exhibit button
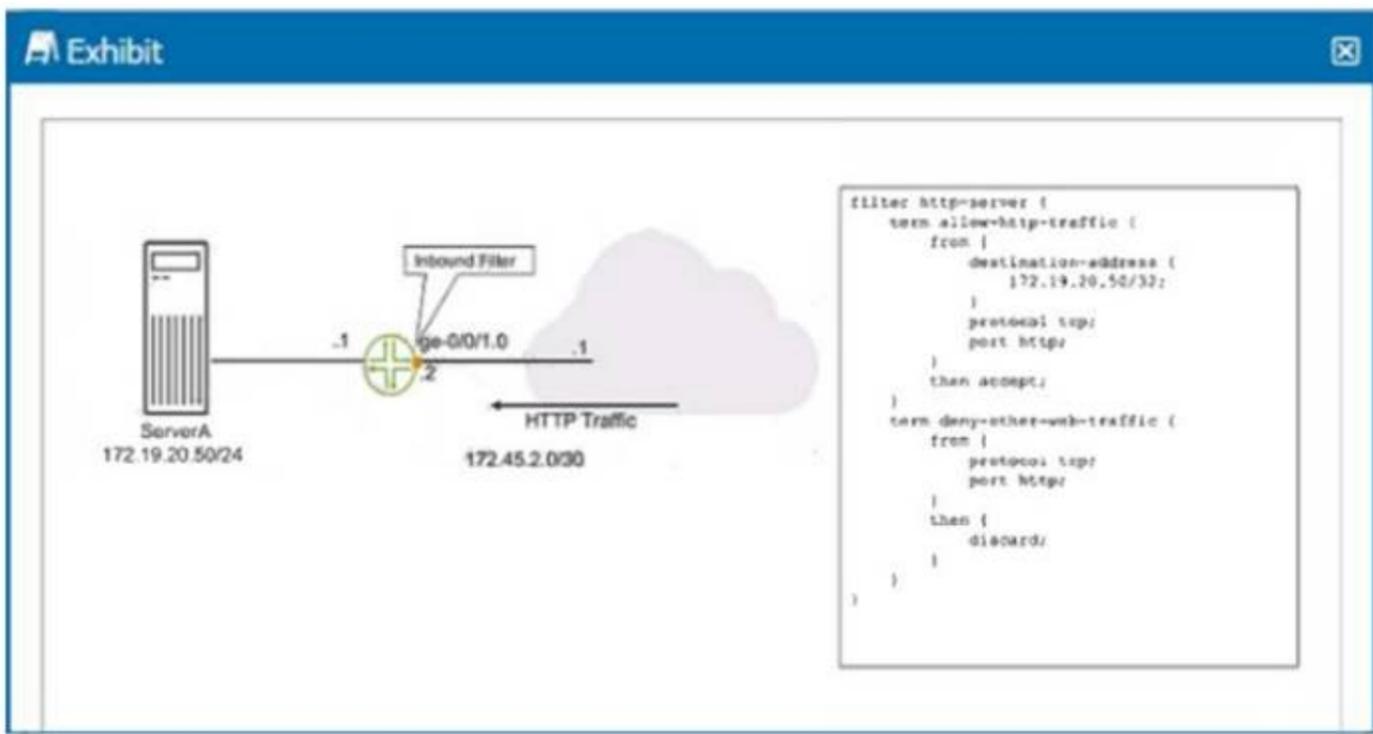
Referring to the exhibit, which two statements are correct? (Choose two.)

A. All other traffic from the Web destined to 172.19.20.50 is accepted.
B. All other traffic from the Web destined to 172.19.20.50 is discarded
C. The HTTP traffic destined to 172.19.20.50 is accepted.
D. The HTTP traffic from source 172.19.20.50 is accepted.

Answer: BC

NEW QUESTION 36
You must recover a device by loading the rescue configuration file. In this scenario, which command will accomplish this task?

A. {master:0}user@router> load override rescue
B. {master:0}user@router> rollback rescue
C. {master:0} [edit]user@routert load override rescue
D. {master:0} [edit] user@router# rollback rescue

Answer: D

Explanation:
{master:0} [edit] user@router# rollback rescue
This command is used to load the rescue configuration file on a Junos device. The "rollback rescue" command will restore the device to a previously saved backup configuration, which is stored as a rescue configuration file. This is useful in case the current configuration becomes unavailable or if the device is unable to boot properly. The "rollback" keyword indicates that we want to restore the previous configuration and the "rescue" keyword specifies that we want to restore the rescue configuration file.
It is important to note that the correct prompt for this command is in configuration mode, indicated by "[edit]" in the prompt.

NEW QUESTION 38
What information is provided by the help topic interface ? command?

A. It displays the administration manual for the interface command.
B. It displays usage examples for the top-ten interface commands.
C. It displays the available options and a brief description of usage guidelines.
D. It displays the best options to use with the interface command regarding your current configuration.

Answer: C

NEW QUESTION 42
For the interface ge-1/2/3.4, what does "ge" represent?

A. SONET/SDH
B. Gigabit EthernetC Aggregated Ethernet
C. GRE

Answer: B

NEW QUESTION 44
Which two statements describe the functions of the Packet Forwarding Engine (PFE)? (Choose two.)

A. The PFE will route or switch packets or frames out of the correct interface as quickly as possible.
B. The PFE will apply filters and routing policies when forwarding the packets to their final destination.
C. A The PFE will process management traffic to help monitor and manage the network device.
D. A The PFE will calculate the best network path to each individual subnet based on input from various routing protocols and static routes.

Answer: AB

NEW QUESTION 47
In the show I compare rollback 49 command, what is the purpose of the I?

A. The | is a shortcut to redirect output from a command line to a file.
B. The filters the output of the show command.
C. The | is used to represent an "either or" statement.
D. The | changes the command from an operational command to a configuration mode command.

Answer: B

Explanation:
ttps://www.juniper.net/documentation/us/en/software/junos/cli/topics/ref/command/pipe.html

NEW QUESTION 51
Which statement about the Junos OS forwarding table is correct?

A. The forwarding table consolidates routes from multiple sources.
B. The forwarding table is populated with active routes from the routing table
C. The forwarding table is responsible for identifying and selecting active routes.
D. The forwarding table is only stored on the Routing Engine.

Answer: B

Explanation:
Ref: Junos OS Routing and Forwarding Tables | Junos OS | Juniper Networks "Junos OS Routing and Forwarding Tables
…
A major function of the Junos OS routing protocol process is to maintain the Routing Engine's routing tables and use these tables to determine the active routes to

network destinations. The routing protocol process then installs these routes into the Routing Engine's forwarding table.
…"

NEW QUESTION 55
Click the Exhibit button.

Exhibit

```
user@router> show chassis routing-engine
Routing Engine status:
    Total memory          4046 MB Max   2063 MB used ( 51 percent)
        Control plane memory  1742 MB Max    592 MB used ( 34 percent)
        Data plane memory     2304 MB Max   1452 MB used ( 63 percent)
    5 sec CPU utilization:
        User                          1 percent
        Background                    0 percent
        Kernel                        0 percent
        Interrupt                     0 percent
        Idle                         99 percent
    Model                         VSRX RE
    Start time                    2021-07-11 23:45:17 PDT
    Uptime                        35 days, 12 hours, 29 minutes, 25 seconds
    Last reboot reason            Router rebooted after a normal shutdown.
    Load averages:                1 minute   5 minute   15 minute
                                     1.22       1.37        1.41
```

Referring to the exhibit, which two statements are correct? (Choose two.)

A. The last 5 second CPU utilization is 99%.
B. The last 5 second CPU utilization is 1%.
C. The control plane memory used is 63%.
D. The data plane memory used is 63%.

Answer: BD

NEW QUESTION 56
Click the Exhibit button.

Exhibit

```
[edit policy-options]
user@router# show
prefix-list rfc1918 {
    10.0.0.0/8;
    172.16.0.0/12;
    192.168.0.0/16;
}
policy-statement BGP-import-policy {
    term term-1 {
        from {
            route-filter 172.16.0.0/12 orlonger;
            route-filter 10.10.0.0/16 orlonger;
        }
        then accept;
    }
    term term-2 {
        from {
            prefix-list-filter rfc1918 orlonger reject;
        }
    }
}
```

You have applied the policy shown in the exhibit as an import policy to your BGP group In this scenario, what will happen when the router receives the 192.168.30.48/32 route?

A. It will be sent to the default BGP policy
B. It wall match term-1 and be accepted.
C. It wall match term-2 and be accepted

D. It will match term-2 and be rejected.

Answer: D

NEW QUESTION 57
You must archive log messages for an extended period of time for audit and troubleshooting purposes. Which syslog setting should you configure on the Junos device in this scenario?

A. host
B. facility
C. console
D. severity

Answer: A

NEW QUESTION 58
What are three characteristics of Layer 2 switches? (Choose Three)

A. Layer 2 switches separates multicast domains.
B. Layer 2 switches separates collision domains.
C. Layer 2 switches forward traffic addressed to hosts that reside on the same collision domain.
D. Layer 2 switches forward traffic addressed to hosts that reside on a different collision domain.
E. Layer 2 switches forward broadcast traffic.

Answer: BDE

NEW QUESTION 62
What will the help syslog UI_DBASE_LOGOUT_EVENT command show you?

A. It will show you the options you can use with sysiog UI_DBASE_LOGOUT_EVENT
B. It will show you only UI_DBASE_LOGOUT_EVENT messages in the system log
C. It will only show you syslog messages without UI_DBASE_LOGOUT_EVENT
D. It will describe the UI_DBASE_LOGOUT_EVENT message code

Answer: D

NEW QUESTION 64
What is the default action for packets not matching a firewall filter?

A. The packet will be silently discarded.
B. The packet will be accepted.
C. The packet will be rejected.
D. The packet will be ignored.

Answer: A

NEW QUESTION 69
Which two statements describe the functions of the Routing Engine (RE)? (Choose two.)

A. The RE will apply filters and routing policies when forwarding the packets to their final destination.
B. The RE will calculate the best network path to each individual subnet based on input from various routing protocols and static routes.
C. The RE will route or switch packets or frames out of the correct interface as quickly as possible.
D. The RE will process management traffic to help monitor and manage the network device.

Answer: BD

NEW QUESTION 74
You are asked to determine when a Junos device was booted Which command would you use to obtain this information?

A. show system statistics
B. show system commit
C. show system information
D. show system uptime

Answer: D

NEW QUESTION 78
What will the request system configuration rescue save command accomplish?

A. It will generate support information for JTAC.
B. It will save a copy of the configuration so that you can go back to it at any time
C. It will prevent 2 commit from happening
D. It will restore your system to factory default settings.

Answer: B

NEW QUESTION 83
A router contains both a static route and an OSPF route for the 172.18.100.0/24 prefix in its routing table. The router is configured to use the factory-default Junos OS routing preference values.
In this scenario, which statement is correct?

A. The OSPF route will be active because of a higher default preference value.
B. The OSPF route will be active because of a lower default preference value.
C. The static route will be active because of a lower default preference value.
D. The static route will be active because of a higher default preference value.

Answer: C

NEW QUESTION 84
Which statement is true about a virtual router routing instance?

A. It can be used for Layer 3 VPN implementations.
B. It can be used to create a separate routing table.
C. An interface in the routing instance can also reside in the default routing instance.
D. It automatically has import and export policies applied.

Answer: B

NEW QUESTION 87
Which routing instance type is used for filter-based forwarding applications?

A. layer2-control
B. vpls
C. forwarding
D. vrf

Answer: C

Explanation:
The forwarding routing instance type is used for filter-based forwarding applications, such as policy-based routing and traffic engineering. This type of routing instance is used when the routing table needs to contain
more detailed information than what is available in the default routing table. According to the Juniper Networks Technical Certification Program (JNTCP) documents[1], the forwarding routing instance type is used for filter-based forwarding applications.

NEW QUESTION 89
Click the Exhibit button.

```
[edit protocol ospf]
user@router# show
traceoptions {
      file ospf-trace size 64k files 5 no-world-readable;
      flag event detail;
      flag error detail;
}
area 0.0.0.0 {
      interface ge-0/0/0.0;
      interface ge-0/0/1.0;
}
```

Which statement is correct regarding the configurration shown in the exhibit?

A. When the ospf-trace file has created five files, it will stop logging additional information.
B. When the ospf-trace file reaches the 64 KB file size, it is renamed and begins a new file.
C. The ospf-trace file will automatically replace any existing trace file with the same name.
D. Timestamp information will not be included for each line of ospf-trace

Answer: B

NEW QUESTION 90
Click the Exhibit button.

```
[edit routing-options]
user@router# show
static {
    route 192.168.77.0/24 {
        next-hop 10.10.1.2;
        qualified-next-hop 10.10.11.2 {
            preference 4;
        }
    }
    route 0.0.0.0/0 next-hop 10.10.20.2;
    route 192.168.77.0/25 next-hop 10.10.0.2;
```

Referring to the exhibit, if the router forwards traffic destined for 192.168.77.29, which next hop will be used?

A. 10.10.1.2
B. 10.10.11.2
C. 10.10.0.2
D. 10.10.20.2

Answer: C

NEW QUESTION 94
Which statement describes the ulst next-hop type that appears in the output of the show route forwarding-table command?

A. A list of unicast or multicast forwarding entries waiting to be resolved.
B. A list of unicast destination prefixes for which packets will be silently discarded
C. A list of unicast next hops used for a given destination for which load balancing is enabled
D. A list of unicast or multicast destination prefixes for which packets will be silently discarded.

Answer: C

NEW QUESTION 97
Click the Exhibit button.

```
UserA@router1> configure
UserA@router1# deactivate routing-instances XYZ protocols bgp group MX1-PE1 traceoptions
UserA@router1# deactivate routing-instances CST protocols bgp group BGP1 traceoptions
UserA@router1# deactivate routing-instances XYZ protocols bgp group BGP2 traceoptions
UserA@router1# show | compare
[edit routing-instances CST protocols bgp group BGP1]
!       inactive: traceoptions { ... }
[edit routing-instances XYZ protocols bgp group BGP2]
!       inactive: traceoptions { ... }
[edit routing-instances XYZ protocols bgp group MX1-PE1]
!       inactive: traceoptions { ... }
UserA@router1# commit check
re0:
configuration check succeeds
re1:
configuration check succeeds
```

UserA is currently working on routed and has issued the commands shown in the exhibit. UserB wants to update the IP address currently configured on interface xe-1/2/1.0.
What will UserB do to complete the configuration changes without interfering with UserA's work?

A. UserB should use the configure private option to complete the changes while UserA continues with the changes.
B. UserB should use the configure exclusive option to complete the changes while UserA continues with the changes.
C. Use the edit command and run the commit confirmed option then proceed with UserB's changes.
D. Wait for UserA to finish then proceed with changes using the configure private option.

Answer: B

NEW QUESTION 99
You just received a new factory-default Junos device.
Which two steps must be completed to connect and log in to the device? (Choose two.)

A. Connect to the device using an SSH connection.
B. Log in with the user root and no password.
C. Connect to the device using the console connection.
D. Log in with the user root and password of root123.

Answer: BC

Explanation:
Ref: Getting Started: A Quick Tour of the CLI | Junos OS | Juniper Networks "Getting Started: A Quick Tour of the CLI
…
Get Started with the Command-Line Interface
… Note:
Before you begin, make sure that your device hardware is set up and Junos OS is installed. You must have a direct console connection to the device or network access using SSH or Telnet.
…
To log in to a device and start the CLI:
* 1. Log in as root.
The root login account has superuser privileges, with access to all commands and statements.
…"

NEW QUESTION 104
Click the Exhibit button,
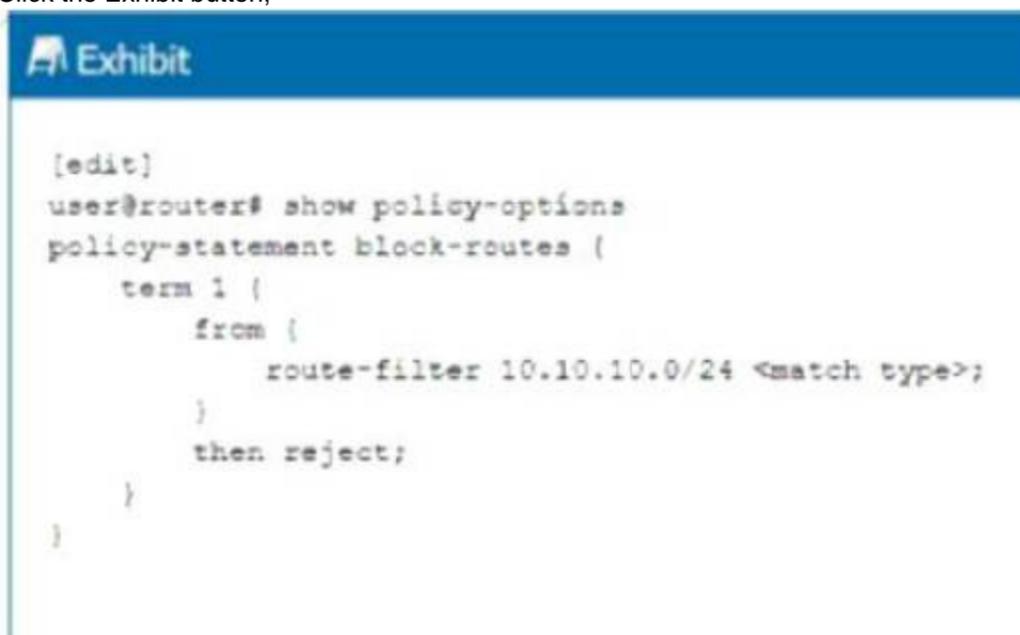

```
[edit]
user@router# show policy-options
policy-statement block-routes {
    term 1 {
        from {
            route-filter 10.10.10.0/24 <match type>;
        }
        then reject;
    }
}
```

You are creating a new routing policy on your Junos device. You are currently receiving multiple routes within the 10.10. 10.0/24 subnet from the same upstream BGP neighbor. Your policy should only allow the 10.10. 10.0/24 route and reject all other routes within that /24 range
Referring to the exhibit, which route filter match type would satisfy this requirement?

A. exact
B. orlonger
C. prefix-length-range /24-/32
D. longer

Answer: A

NEW QUESTION 109
Which three connection protocols allow you to gather operational information from the Junos device? (Choose three.)

A. NETCONF
B. Telnet
C. XML
D. JSON
E. SSH

Answer: ABE

NEW QUESTION 114
Which two statements about firewall filters are correct? (Choose two.)

A. An input filter is used to control routes that are accepted by the local routing table
B. An output filter determines the routes in the local routing table that are advertised to peers
C. An input filter is used to control incoming traffic on a specific interface
D. An output filter is used to control outgoing traffic on a specific interface

Answer: CD

Explanation:

Ref: Stateless Firewall Filter Overview | Junos OS | Juniper Networks "Stateless Firewall Filter Overview

…

Data Packet Flow Control

To control the flow of data packets transiting the device as the packets are being forwarded from a source to a destination, you can apply stateless firewall filters to the input or output of the router's or switch's physical interfaces.

…" [edit]

user@router#

In which mode is the system currently operating, as shown in the exhibit?

A. operational mode
B. UNIX shell
C. configuration mode
D. single-user mode

Answer: C

Ref: Overview of the Configure Command | Junos OS | Juniper Networks "Overview of the Configure Command

…

How to Use the configure Command

…

Use the configure command to enter CLI configuration mode.

If other users are in configuration mode, the message displayed indicates who the users are and what portion of the configuration each person is viewing or editing.

user@host> configure Entering configuration mode Current configuration users:

root terminal p3 (pid 1088) on since 2018-05-13 01:03:27 EDT [edit interfaces so-3/0/0 unit 0 family inet]

The configuration has been changed but not committed [edit]

user@host#

…"

NEW QUESTION 116

What are two benefits of class of service (CoS)? (Choose two.)

A. CoS can increase the performance of a slow network.
B. CoS can manage traffic congestion
C. CoS can prioritize latency-sensitive traffic
D. CoS can increase network bandwidth.

Answer: BC

Explanation:

Ref: Benefits of CoS | Junos OS | Juniper Networks "Benefits of CoS

…

CoS features allow a Juniper Networks device to improve its processing of critical packets while maintaining best-effort traffic flows, even during periods of congestion.

…

CoS dedicates a guaranteed minimum bandwidth to a particular service class by reducing forwarding queue delays.

NEW QUESTION 120

You want to temporarily apply a candidate configuration to the active configuration and automatically roll back after 10 minutes

In this scenario, which command will accomplish this task?

A. commit at
B. commit confirmed
C. commit check
D. commit

Answer: B

Explanation:

 [edit]

user@host#commit confirmed

commit confirmed will be automatically rolled back in 10 minutes unless confirmed commit complete

#commit confirmed will be rolled back in 10 minutes [edit]

user@host#

https://www.juniper.net/documentation/us/en/software/junos/cli/topics/topic-map/junos-configuration-commit.ht

NEW QUESTION 121

You are creating a route filter that will match the network address of 192.168.64.0/24 In this scenario, which configuration statement will accomplish this task?

A. from route-filter 192.168.32.0/24 longer
B. from route-filter 152.168.128.0/24 orlonger
C. from route-filter 192.168.64.0/24 longer
D. from route-filter 192.168.64.0/24 orlonger

Answer: D

NEW QUESTION 124

What does the commit check command do?

A. It validates the syntax of a candidate configuration without actually committing the configuration.
B. It commits the configuration when a validation check succeeds.
C. It schedules the commit to a future time.

D. It adds a comment to the messages log.

Answer: A

Explanation:
The commit check command allows you to validate the syntax of a candidate configuration without actually committing the configuration. This is useful for validating the syntax of a configuration before committing it to ensure that the configuration can be applied without any errors. According to the Juniper Networks JNCIA-Junos study guide, the commit check command validates the syntax of a candidate configuration without actually committing the configuration.

NEW QUESTION 129
Which two statements about exception traffic processing are correct? (Choose two.)

A. When congestion occurs, only exception traffic is given preference.
B. By default, a rate-limiter for exception traffic exists on the internal link between the control plane and the forwarding plane
C. When congestion occurs, local and control traffic are given preference.
D. By default, no rate-limiter for exception traffic exists on the internal link between the control plane and the forwarding plane.

Answer: BC

Explanation:
"During times of congestion, the Junos OS gives preference to the local and control traffic destined for the RE.
The built-in rate limiter is not
configurable."https://douran.academy/wp-content/uploads/ebooks/jnica-junos-study-guide-part1.pdf

NEW QUESTION 130
......

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