



## Juniper

### Exam Questions JN0-104

Junos - Associate (JNCIA-Junos)

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### NEW QUESTION 1

- (Exam Topic 1)

Click the Exhibit button



You are connecting to a new device in your network and are presented with the information and prompt shown in the exhibit. Which three steps must be carried out to edit the configuration on this device? (Choose three.)

- A. Type configure at the > prompt.
- B. Log in using the root user with no password.
- C. Type cli at the = prompt
- D. Type cli at the > prompt
- E. Log in using the root user with the root 123 password.

**Answer:** AB

### NEW QUESTION 2

- (Exam Topic 1)

Which two Juniper Networks products are available in virtual machine (VIM) format? (Choose two.)

- A. vSRX
- B. vIDP
- C. vPTX
- D. vMx

**Answer:** AD

### NEW QUESTION 3

- (Exam Topic 1)

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 4

- (Exam Topic 1)

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

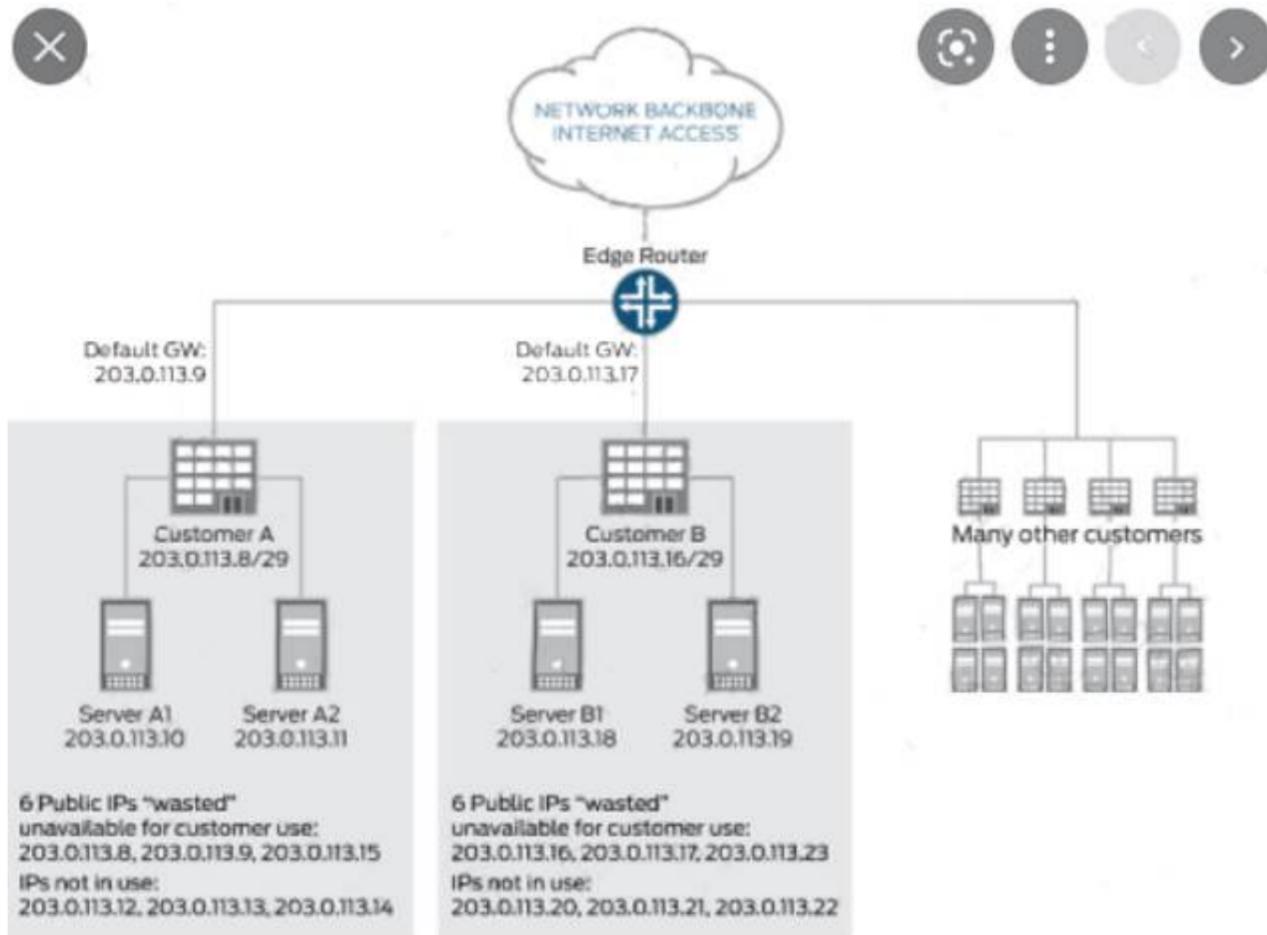
- A. NETCONF
- B. Telnet
- C. XML
- D. JSON
- E. SSH

**Answer:** ABE

### NEW QUESTION 5

- (Exam Topic 1)

Click the Exhibit button.



The next hop identified in the static route command is not directly connected to your router. Referring to the exhibit, what must be added to the command for the static route to work?

- A. retain
- B. resolve
- C. readvertise
- D. install

Answer: B

**NEW QUESTION 6**

- (Exam Topic 1)

Click the Exhibit button

```

[edit firewall family inet filter input-ff]
user@router# show
term else-accept {
  then {
    count outbound-accepted;
    accept;
  }
}
term discard-outbound-traffic {
  from {
    source-address {
      0.0.0.0/0;
      172.27.102.0/24 except;
    }
  }
  then {
    log;
    discard;
  }
}

```

A packet destined to the 172.27. 102.65 IP address is received by the ge-0/0/1.0 interface on your Junos device. The input firewall filter shown in the exhibit is applied to the ge-0/0/1.0 interface.

Which two actions are performed in this scenario? (Choose two.)

- A. The packet is logged
- B. The packet is accepted
- C. The packet is counted
- D. The packet is discarded.

Answer: BC

**NEW QUESTION 7**

- (Exam Topic 1)  
Click the Exhibit button

```
Exhibit

user@router> show route 10.10.102.0/30
inet.0: 20 destinations, 21 routes (20 active, 0 holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both
10.10.102.0/30    *{Static/5} 00:00:07
                  > to 10.10.4.2 via ge-0/0/2.0
                  [OSPF/10] 00:06:32, metric 2
                  > to 10.10.101.1 via ge-0/0/1.0
```

Referring to the exhibit, which statement is correct?

- A. Traffic destined to 10.10.102.0/30 will be forwarded to 10.10.101.1.
- B. Traffic destined to 10.10.102.0/30 will be load-balanced across both next hops.
- C. Traffic destined to 10.10.102.0/30 will be silently dropped.
- D. Traffic destined to 10.10.102.0/30 will be forwarded to 10.10.4.2

**Answer: D**

### NEW QUESTION 8

- (Exam Topic 1)  
Click the Exhibit button.

```
Exhibit

[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?

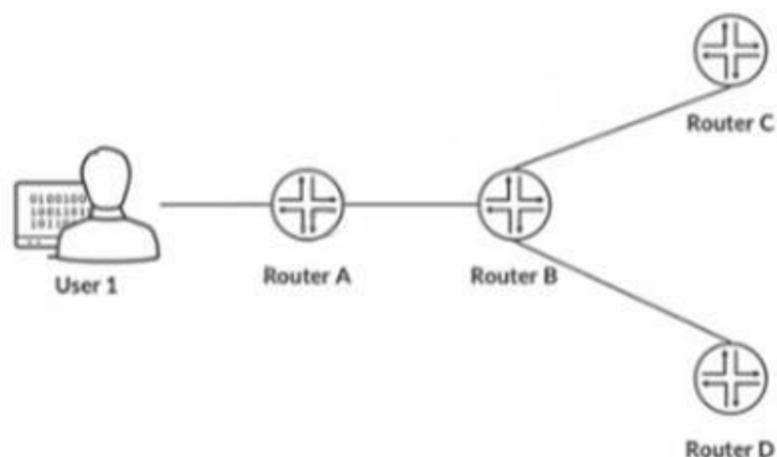
- A. 10.10.1.2
- B. 10.10.11.2
- C. 10.10.0.2
- D. 10.10.20.2

**Answer: C**

### NEW QUESTION 9

- (Exam Topic 1)  
Click the Exhibit button.

 Exhibit



User 1 pings Router C to determine its status.

Which router shown in the exhibit, treats the traffic generated by the ping command as exception traffic?

- A. Router A
- B. Router B
- C. Router D
- D. Router C

**Answer: C**

**NEW QUESTION 10**

- (Exam Topic 1)

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 10**

- (Exam Topic 1)

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 will match term-1 and be accepted.
- C. It will match term-2 and be accepted
- D. It will match term-2 and be rejected.

**Answer: D**

**NEW QUESTION 12**

- (Exam Topic 1)

Click the Exhibit button,

Exhibit

```
[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: D**

**NEW QUESTION 17**

- (Exam Topic 1)

A user entered configuration mode and modified the candidate configuration. In this scenario, what are two results? (Choose two.)

- A. Other users cannot enter configuration mode.
- B. Other users cannot enter configuration mode using the exclusive parameter
- C. Other users cannot log into the device.
- D. Other users cannot enter configuration mode using the private parameter.

**Answer: BD**

#### NEW QUESTION 20

- (Exam Topic 1)

Which statement regarding transit traffic processing is correct?

- A. Transit traffic is processed by both the control plane and forwarding plane.
- B. Transit traffic is only processed by the control plane.
- C. Transit traffic is only processed by the forwarding plane
- D. Transit traffic is not processed by the local device.

**Answer: C**

#### NEW QUESTION 22

- (Exam Topic 1)

Which address correctly represents a valid abbreviation for the 2bfc:0000:0000:0000:0217:0000:fe8c:5c85/128 IPv6 address?

- A. 2bfe::217:0:fe8c:5c85/128
- B. 2bfe:0:217:-fe8c:5c85/128
- C. 2bfe::0217::fe8e:5e85/128
- D. 2bfe:0:217:0:fe8e:5c85/128

**Answer: A**

#### NEW QUESTION 24

- (Exam Topic 1)

Which two statements about login classes are correct? (Choose two.)

- A. Login class permissions can be overridden for certain commands.
- B. Users can be members of multiple login classes.
- C. Login classes define access privileges for a user.
- D. There are no system-defined login classes.

**Answer: AC**

#### NEW QUESTION 27

- (Exam Topic 1)

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**

#### NEW QUESTION 28

- (Exam Topic 1)

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@router# load override rescue
- D. {master:0} [edit]user@router# rollback rescue

**Answer: B**

#### NEW QUESTION 30

- (Exam Topic 1)

A device receives a route update for network 172.19.0.0/16 from two different routing information sources. In this scenario, which parameter will determine the active route?

- A. the route learned from the next hop with the highest IP address
- B. the route learned with the lowest default route preference
- C. the route learned from the next hop with the lowest IP address
- D. the route with the lowest metric

**Answer: B**

#### NEW QUESTION 35

- (Exam Topic 1)

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 37**

- (Exam Topic 1)

Which protocol is responsible for learning an IPv6 neighbor's IMAC address?

- A. Neighbor Discovery Protocol (NDP)
- B. Media Access Control Security (MACsec)
- C. Address Resolution Protocol (ARP)
- D. Network Address Translation (NAT)

**Answer: A**

**NEW QUESTION 42**

- (Exam Topic 1)

Which step is required when performing a Junos software upgrade?

- A. You must create a user account named maintenance-user.
- B. You must reboot the device
- C. You must load the factory default configuration
- D. You must zeroize the device.

**Answer: B**

**NEW QUESTION 47**

- (Exam Topic 1)

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: AB**

**NEW QUESTION 52**

- (Exam Topic 1)

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 55**

- (Exam Topic 1)

You are asked to configure a Junos device to perform regular configuration backups

Which feature will you configure under the [edit system] hierarchy to accomplish this task?

- A. archival
- B. backup-router
- C. syslog
- D. tracing

**Answer: B**

**NEW QUESTION 58**

- (Exam Topic 1)

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 62**

- (Exam Topic 1)

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

**NEW QUESTION 66**

- (Exam Topic 2)

Interface	Admin	Link	Proto	Local	Remote
ge-0/0/0	up	up			
ge-0/0/0.0	up	up	inet	172.18.6.2/30	
ge-0/0/1	up	up			
ge-0/0/1.0	up	up	inet	172.18.7.2/30	
ge-0/0/2	up	up			
ge-0/0/3	up	up			
ge-0/0/4	up	up			
ge-0/0/4.0	up	up	inet	192.168.11.1/24	
ge-0/0/5	up	up			
ge-0/0/6	up	up			
ge-0/0/7	up	up			
ge-0/0/8	up	up			
ge-0/0/9	up	up			
fxp0	up	up			
fxp0.0	up	up	inet	172.25.11.1/24	
lo0	up	up			
lo0.0	up	up	inet	192.168.31.1	--> 0/0
lo0.16384	up	up	inet	127.0.0.1	--> 0/0
lo0.16385	up	up	inet		

Which command produced the output shown in the exhibit?

- A. Show interfaces summary
- B. Show interfaces filters
- C. Show interfaces extensive
- D. Show interfaces terse

**Answer:** D

**NEW QUESTION 71**

- (Exam Topic 2)

Your firewall filters are not in the correct order, what would solve this problem?

- A. Use the next-term action to force an evaluation of the next-term
- B. Use the commit parameter to ensure that terms are evaluated correctly
- C. Use the reject action to change the action of the filter
- D. Use the filter command to reorder the terms with the filter

**Answer:** D

**NEW QUESTION 76**

- (Exam Topic 2)

What is the initial prompt displayed when logging in as the root user?

- A. root@router>
- B. root@router%
- C. root@router#
- D. root@router\*

**Answer:** B

**NEW QUESTION 79**

- (Exam Topic 2)

Which two interfaces are considered physical interfaces? (Choose two.)

- A. xe-10/2/1
- B. ge-0/0/0
- C. et-3/0/0:0.501
- D. et-7/1/4.0

**Answer:** AB

**NEW QUESTION 82**

- (Exam Topic 2)

Which two statements are true about static routes in the Junos OS (Choose Two)

- A. Static routes remain in the routing table until you remove them or until they become inactive
- B. Static routes are learned by neighboring devices and added to their routing tables
- C. Static routes are defined at the [edit routing-instance] hierarchy

D. Static routes must have next hop defined

**Answer:** AD

#### NEW QUESTION 85

- (Exam Topic 2)

Which two statements are correct about the inet.0 routing table? (choose two.)

- A. It is used for populating the Ethernet switching table.
- B. It stores information learned from routing protocols and other sources.
- C. It is used for populating the forwarding table.
- D. It is used for populating the forwarding policy.

**Answer:** BC

#### NEW QUESTION 89

- (Exam Topic 2)

How does the PFE determine how to forward transit traffic?

- A. The PFE performs a destination lookup based on its own routing table.
- B. The PFE determines network destinations itself based on the RE's routing table.
- C. The PFE uses the following table provided by the RE.
- D. The PFE uses the routing table provided by the RE.

**Answer:** C

#### NEW QUESTION 93

- (Exam Topic 2)

Which two keystrokes are used to auto-complete commands? (Choose two.)

- A. Spacebar
- B. Esc
- C. Tab
- D. End

**Answer:** AC

#### NEW QUESTION 94

- (Exam Topic 2)

How would you change the display so the display so that 40 lines will be displayed in the terminal program when you are logged into a Junos device?

- A. Issue the set cli screen-length 40 command from configuration mode.
- B. Set the display options in your terminal program.
- C. Issue the set cli screen-length 40 command from operational mode.
- D. Set the windows size of your terminal program.

**Answer:** C

#### NEW QUESTION 96

- (Exam Topic 2)

Which two statements describe PFE functions are true?

- A. The PFE implements rate limiting using policers
- B. The PFE stores the master copy of the layer 2 and layer 3 forwarding tables
- C. The PFE provides access to the CLI and Jweb
- D. The PFE stores a local copy of the layer 2 and layer 3 forwarding tables

**Answer:** AD

#### NEW QUESTION 100

- (Exam Topic 2)

Which keystrokes are used to auto-complete user-defined variables?

- A. Spacebar
- B. Home
- C. End
- D. Tab CC

**Answer:** D

#### NEW QUESTION 102

- (Exam Topic 2)

What is the default location of the syslog file on Junos devices?

- A. /var/log/

- B. /var/tmp/
- C. /var/home/
- D. /var/db/

**Answer:** A

#### NEW QUESTION 103

- (Exam Topic 2)

You are considering to upgrade from 19.1R1 and want to ensure that only bug fixes are included. Which two software versions should you use in the current situation? Choose Two

- A. 19.3R2
- B. 19.1R3
- C. 19.1R1-S2
- D. 19.3R1-S1

**Answer:** BC

#### Explanation:

R release : Maintenance and introduce bug fixes

\* 19.1R1 ==> 19.1R2 introduces only bug fixes 19.1R1 ==> 19.2R2 Introduces new features

#### NEW QUESTION 107

- (Exam Topic 2)

Which CIDR notation is the equivalent of the subnet mask of 255.255.192.0?

- A. /19
- B. /18
- C. /20
- D. /17

**Answer:** B

#### NEW QUESTION 109

- (Exam Topic 2)

What are three interface prefixes for a 40-gigabit interface? (Choose three.)

- A. et
- B. es
- C. fte
- D. xe
- E. xle

**Answer:** ABE

#### NEW QUESTION 114

- (Exam Topic 2)

Which command prompt indicates that you are in operational mode?

- A. user @ router &
- B. user @ router #
- C. user @ router \$
- D. user @ router >

**Answer:** D

#### NEW QUESTION 116

- (Exam Topic 2)

You have configuration groups applied on your router.

Which command would you use to see all components of the interface hierarchy?

- A. show configuration interfaces | display detail
- B. show configuration interfaces | display changed
- C. show configuration interfaces | display set
- D. show configuration interfaces | display inheritance

**Answer:** D

#### NEW QUESTION 121

- (Exam Topic 2)

What does the "3" in Junos version 14.2R3.2 represent?

- A. a single-threaded version of the Junos OS.
- B. a major release number.
- C. a minor release number.
- D. a service build number.

**Answer: C**

**NEW QUESTION 122**

- (Exam Topic 2)

You are troubleshooting an issue and want to monitor syslog in real time. Which operational command accomplish this task?

- A. Show log message
- B. Monitor start message
- C. Show log message | refresh i
- D. Monitor traffic interface fxp0.0

**Answer: B**

**NEW QUESTION 126**

- (Exam Topic 2)

Which of the following protocols uses both TCP and UDP?

- A. FTP
- B. SMTP
- C. Telnet
- D. DNS

**Answer: D**

**NEW QUESTION 131**

- (Exam Topic 2)

What configuration parameter on a Junos device modifies the default next-hop resolution behavior of a static route?

- A. Resolve
- B. No-readvertise
- C. Passive
- D. Preference

**Answer: A**

**NEW QUESTION 134**

- (Exam Topic 2)

The PFE receives which two tables from the RE? (Choose two.)

- A. Layer 5 forwarding table
- B. Layer 2 forwarding table
- C. Layer 3 forwarding table
- D. Layer 4 forwarding table

**Answer: BC**

**NEW QUESTION 137**

- (Exam Topic 2)

What are two examples of transit traffic? (Choose two.)

- A. SFTP traffic that enter one interface and is destined for another interface on the local router.
- B. SCP traffic that enters one interface and exit another interface on the local router.
- C. SFTP traffic that enters and exits the same interface on the local router.
- D. SCP traffic that is destined for the router's loopback interface.

**Answer: BC**

**NEW QUESTION 138**

- (Exam Topic 2)

Which keystroke combination allows users to move the cursor to the end of the command line without deleting text?

- A. Ctrl + a
- B. Ctrl + e
- C. Ctrl + u
- D. Ctrl + w

**Answer: B**

**NEW QUESTION 142**

- (Exam Topic 2)

Exhibit:

```
... Hit [Enter] to boot immediately, or space bar for command prompt. <user
presses Spacebar> Type '?' for a list of commands, 'help' for more detailed
help. loader> boot -s
... Enter full pathname of shell or 'recovery' for root password recovery or
RETURN for / bin/sh: recovery
```

Refer to exhibit, What will be the result?

- A. The device will boot in a multi-user mode at the configuration prompt
- B. The device will boot in a Single-user mode at the operational prompt
- C. The device will boot in a multi-user mode at the shell prompt
- D. The device will boot in a Single-user mode at the shell prompt

**Answer: A**

#### NEW QUESTION 145

- (Exam Topic 2)

Which two statements are true regarding dynamic routing? (Choose two)

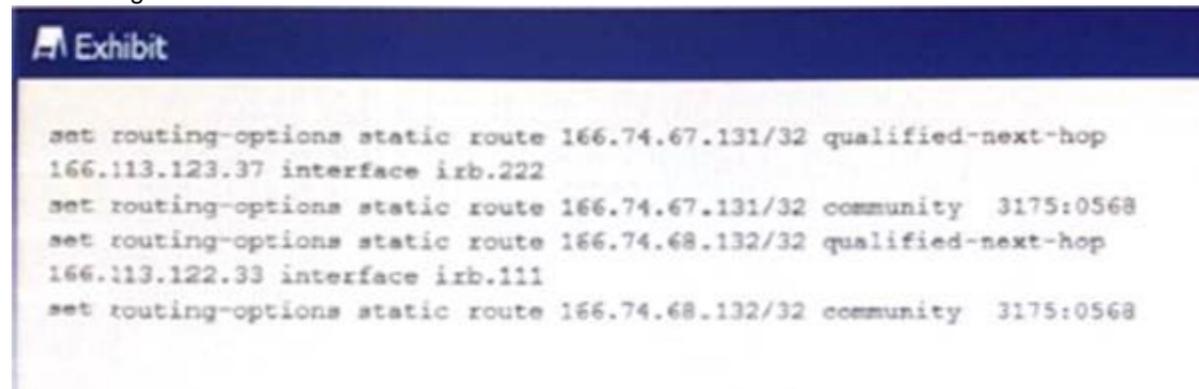
- A. Dynamic routing is used when absolute control of routing parameters is necessary
- B. Dynamic routing allows a device to automatically reroute traffic around a failure
- C. Participating devices dynamically learn routing information from each other
- D. Dynamic routing requires more administrative overhead than static routing

**Answer: BC**

#### NEW QUESTION 147

- (Exam Topic 2)

Your configuration contains the static routes shown in the exhibit.



```
set routing-options static route 166.74.67.131/32 qualified-next-hop
166.113.123.37 interface irb.222
set routing-options static route 166.74.67.131/32 community 3175:0568
set routing-options static route 166.74.68.132/32 qualified-next-hop
166.113.122.33 interface irb.111
set routing-options static route 166.74.68.132/32 community 3175:0568
```

Which command will successfully remove the 166.74.67.131 static route?

- A. delete routing-options static route 166.74.67.131/32 qualified-next-hop 166.113.123.37 interface irb.222
- B. delete routing-options static route 166.74.67.131/32
- C. delete routing-options static route 166.74.67.131/32 qualified-next-hop 166.113.123.37
- D. delete routing-options static route 166.74.67.131/32 qualified-next-hop

**Answer: B**

#### NEW QUESTION 149

- (Exam Topic 2)

What would you use as a network tool to open a secure terminal connection from a device running Junos OS to another device?

- A. SSH
- B. HTTPS
- C. RDP
- D. telnet

**Answer: A**

#### NEW QUESTION 153

- (Exam Topic 2)

What's is the minimum system-defined user class required to issue clear commands?

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

**Answer: B**

#### NEW QUESTION 156

- (Exam Topic 2)

Depending on the device type, Junos is built upon which two OS kernels? (Choose two.)

- A. NetBSD

- B. FreeBSD
- C. Linux
- D. OpenBSD

**Answer:** BC

#### NEW QUESTION 161

- (Exam Topic 2)

What are two modes of unicast reverse path forwarding? (Choose two.)

- A. Strict
- B. High
- C. Low
- D. Loose

**Answer:** AD

#### Explanation:

There are two modes of unicast RPF, strict mode, and loose mode. The default is strict mode, which means the switch forwards a packet only if the receiving interface is the best return path to the packet's unicast source address.

[https://www.juniper.net/documentation/en\\_US/junos/topics/topic-map/l3-vpns-unicast-reverse-path.html#:~:text=](https://www.juniper.net/documentation/en_US/junos/topics/topic-map/l3-vpns-unicast-reverse-path.html#:~:text=)

#### NEW QUESTION 164

- (Exam Topic 2)

Which keystroke combination allows users to move the cursor to the beginning of the command line without deleting text?

- A. Ctrl + u
- B. Ctrl + w
- C. Ctrl + a
- D. Ctrl + b

**Answer:** C

#### NEW QUESTION 165

- (Exam Topic 2)

Which two features are implemented on the Packet Forwarding Engine? (Choose Two)

- A. Chassis Management
- B. Firewall Filters
- C. Class of Service
- D. Routing protocol update

**Answer:** BC

#### NEW QUESTION 170

- (Exam Topic 2)

What is responsible for processing multicast transit traffic?

- A. Control plane
- B. Management plane
- C. RE
- D. PFE

**Answer:** D

#### NEW QUESTION 172

- (Exam Topic 2)

Which process is responsible for controlling all interfaces on a Junos device?

- A. rpd
- B. chassisd
- C. dcd
- D. mgd

**Answer:** C

#### NEW QUESTION 174

- (Exam Topic 2)

Click the Exhibit button.

```

user@router# run show route
inet.0: 8 destinations, 10 routes (8 active, 0 holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both
0.0.0.0/0      *[BGP/170] 00:00:24, localpref 100
                AS path: 65000 I, validation-state: unverified
                > to 172.18.6.1 via ge-0/0/0.0
                to 172.18.7.1 via ge-0/0/1.0
                [BGP/170] 00:00:24, localpref 100
                AS path: 65000 I, validation-state: unverified
                > to 172.18.7.1 via ge-0/0/1.0
10.210.0.0/16  *[Static/5] 1w0d 20:17:39
                > to 172.25.11.254 via fxp0.0
172.18.6.0/30  *[Direct/0] 00:00:30
                > via ge-0/0/0.0
172.18.6.2/32  *[Local/0] 00:00:30
                Local via ge-0/0/0.0
172.31.16.0/24 *[BGP/170] 00:00:24, localpref 100
                AS path: 65000 I, validation-state: unverified
                > to 172.18.7.1 via ge-0/0/1.0
                [BGP/170] 00:00:28, localpref 100
                AS path: 802 5512 3318 65000 I, validation-state: unverified
                > to 172.18.6.1 via ge-0/0/0.0
192.168.1.1/32 *[OSPF/10] 00:00:25, metric 1
                > to 192.168.11.2 via ge-0/0/4.0
192.168.80.0/28 *[BGP/170] 00:00:24, localpref 100, from 172.18.6.1
                AS path: 65000 I, validation-state: unverified
                to 172.18.6.1 via ge-0/0/0.0
                > to 172.18.7.1 via ge-0/0/1.0
                [BGP/170] 00:00:24, localpref 100
                AS path: 65000 I, validation-state: unverified
                > to 172.18.7.1 via ge-0/0/1.0
224.0.0.5/32   *[OSPF/10] 00:01:11, metric 1
                MultiRecv

```

What is the next hop for a packet destined to 192.168.80.98 as shown in the exhibit?

- A. 192.168.11.2
- B. 172.18.6.1
- C. 172.25.11.254
- D. 172.18.7.1

**Answer: D**

#### NEW QUESTION 177

- (Exam Topic 2)

What are three valid software release designations for the junos OS? (Choose three.)

- A. X
- B. R
- C. T
- D. Z
- E. B

**Answer: ABE**

#### NEW QUESTION 182

- (Exam Topic 2)

You have enabled trace options to log error messages. You want to have the messages displayed to your terminal session automatically as they occur. Which command should you use in this scenario?

- A. request message terminal
- B. file show
- C. file list
- D. monitor start

**Answer: D**

#### NEW QUESTION 186

- (Exam Topic 2)

A Junos device is configured with multiple routing protocols to the same destination prefix. By Default, which route will be active in the forwarding table?

- A. A static route
- B. An OSPF route
- C. An IS-IS route
- D. A BGP route

**Answer: A**

#### NEW QUESTION 191

- (Exam Topic 2)

What statement is true about the orlonger route-filter match type?

- A. All routes within the specified prefix that are longer than the given prefix are considered a match
- B. All routes within the specified prefix that are longer or equal to the given prefix up to a defined acceptable prefix length are considered a match
- C. All routes within the specified prefix that are longer or equal to the given prefix are considered a match
- D. All routes within the specified prefix that are longer than the given prefix up to a defined acceptable prefix length are considered a match

**Answer: A**

#### NEW QUESTION 192

- (Exam Topic 2)

Which TWO of the following are private IP addresses?

- A. 12.0.0.1
- B. 168.172.19.39
- C. 172.20.14.36
- D. 172.33.194.30
- E. 192.168.24.43

**Answer: C**

#### NEW QUESTION 196

- (Exam Topic 2)

Routing policies contain which two type of statements? (Choose two.)

- A. and
- B. from
- C. default
- D. then

**Answer: BD**

#### NEW QUESTION 197

- (Exam Topic 2)

What are two default password requirements on devices running Junos OS? (Choose two.)

- A. Passwords must be at least six characters in length.
- B. An expiration date must be set.
- C. Passwords must contain at least one special character.
- D. Alphanumeric characters classes must be used.

**Answer: AD**

#### NEW QUESTION 202

- (Exam Topic 2)

Referring to the Exhibit,

```
user@router> show route protocol static

inet.0: 7 destinations, 8 routes (7 active, 0 holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both

192.168.47.0/24    *[Static/5] 02:02:03
                  > to 172.16.1.2 via ge-1/2/0.0
                  [Static/25] 01:58:21
                  > to 192.168.2.2 via fe-1/2/1.2
```

What information is provided about the route to 192.168.47.0/24? Choose Two

- A. There is a single active route to 192.168.47.0/24
- B. There are two next-hops available to 192.168.47.0/24
- C. There is a single next-hop available to 192.168.47.0/24
- D. There are two active route to 192.168.47.0/24

**Answer: AB**

#### NEW QUESTION 203

- (Exam Topic 2)

What is the decimal equivalent of 00000100?

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

**Answer:** B

**NEW QUESTION 208**

- (Exam Topic 2)

Given the following configuration,

set system authentication-order [ tacplus ]

Which two statements are correct? (Choose two.)

- A. If the TACACS+ server is available and rejects the username/password provided, the user is not allowed to access the device.
- B. If the TACACS+ server is available and rejects the username/password provided, the local password database is checked.
- C. If the TACACS+ server is not available, the user is not allowed to access the device.
- D. If the TACACS+ server is not available, the local user database is checked.

**Answer:** CD

**NEW QUESTION 211**

- (Exam Topic 2)

Which statement is correct regarding exception traffic on Junos devices?

- A. The Junos OS does not provide congestion control for exception traffic sent to the RE.
- B. The built-in rate limiter for exception traffic is configurable.
- C. All exception traffic destined for the RE is sent over the out-of-band management link.
- D. The Junos OS has a built-in rate limiter for exception traffic.

**Answer:** D

**NEW QUESTION 212**

- (Exam Topic 2)

What are two benefits realized by the disaggregated Junos? (Choose two.)

- A. There is increased flexibility to use different control plane versions.
- B. The Junos VM becomes hardware-independent and can be deployed on any hypervisor without modification.
- C. The architecture facilitates programmability through provisioning the control plane, the data path, and the platform APIs.
- D. The platform drivers and forwarding engine are removed from the control plane to increase performance.

**Answer:** CD

**NEW QUESTION 215**

- (Exam Topic 2)

Which two conditions must exist in a Junos device for traffic to transit the device to a specific destination? (Choose two.)

- A. A routing table entry for that destination must exist.
- B. A firewall filter must exist to allow traffic to reach that destination.
- C. A forwarding table entry for that destination must exist.
- D. A routing policy must be in place on the device.

**Answer:** AC

**NEW QUESTION 220**

- (Exam Topic 2)

Which three statements are true about IPv6 link local addresses? (Choose three.)

- A. They begin with the prefix fe80::/64.
- B. They can be assigned manually or dynamically.
- C. They are not guaranteed to be unique outside of the network segment.
- D. They are optional addresses.
- E. They provide reachability to the internet.

**Answer:** ABC

**NEW QUESTION 222**

- (Exam Topic 2)

What does the output of the show route forwarding-table command display?

- A. The routing protocol databases in the Routing Engine
- B. The inactive entries in the Routing Engine's routing table
- C. The Routing Engine's forwarding table
- D. The Packet Forwarding Engine routing table

**Answer:** C

**NEW QUESTION 225**

- (Exam Topic 2)

What are three functions of the RE? (Choose three.)

- A. to maintain the forwarding tables
- B. to enforce stateless firewall filters
- C. to manage the PFE
- D. to monitor the chassis
- E. to implement policing

**Answer:** ABD

#### NEW QUESTION 230

- (Exam Topic 2)

Which Junos release would address only bug fixes that were not contained in the 15.1R1 version of code?

- A. 15.1X2
- B. 15.1R2
- C. 15.1F2
- D. 15.1S2

**Answer:** B

#### NEW QUESTION 233

- (Exam Topic 2)

The monitor traffic command provides access to which utility?

- A. tcpdump
- B. telnet
- C. traceroute
- D. netstat

**Answer:** A

#### NEW QUESTION 238

- (Exam Topic 2)

Which two statements describe the default behavior for OSPF? (Choose two)

- A. OSPF imports all routes into the inet4.0 routing table.
- B. OSPF exports all static routes into the OSPF database.
- C. OSPF imports all routes into the inet.O routing table.
- D. OSPF does not export static routes into the OSPF database.

**Answer:** CD

#### NEW QUESTION 242

- (Exam Topic 2)

What is minimum configuration required for a Junos device to respond to SNMP requests?

- A. set snmp community public authorization read only
- B. set snmp public version v2
- C. set snmp community public
- D. set snmp trap-group public version v1

**Answer:** C

#### NEW QUESTION 247

- (Exam Topic 2)

You are troubleshooting an issue and want to monitor syslog in real time. Which operational command accomplishes this task?

- A. show log messages | refresh 1
- B. monitor traffic interface fxp0.0
- C. monitor start messages
- D. show log messages

**Answer:** C

#### Explanation:

[https://www.juniper.net/documentation/en\\_US/junos/topics/reference/command-summary/monitor-start.html](https://www.juniper.net/documentation/en_US/junos/topics/reference/command-summary/monitor-start.html)

#### NEW QUESTION 248

- (Exam Topic 2)

Which parameter would you use to prohibit the redistribution of a static route used for management traffic?

- A. no-readvertise
- B. discard
- C. reject
- D. passive

**Answer:** A

**NEW QUESTION 249**

- (Exam Topic 2)

Which logical interface is able to forward IP traffic?

- A. Ge-0/0/0
- B. Ge-0/0/2
- C. Ge-0/0/2.0
- D. Ge-0/0/1.0

**Answer: C**

**NEW QUESTION 253**

- (Exam Topic 2)

Which parameter must be included when executing operational mode commands from within configuration mode?

- A. run
- B. prompt
- C. insert
- D. do

**Answer: A**

**NEW QUESTION 256**

- (Exam Topic 2)

Which command is used to replace the current configuration?

- A. load replace
- B. load patch
- C. load override
- D. load set

**Answer: C**

**NEW QUESTION 261**

- (Exam Topic 2)

Click the Exhibit button.

**[edit]**

```
user@router# show system authentication-order
```

```
authentication-order [ radius password ];
```

A user attempts to log in to a Junos device. but the RADIUS server is unreachable. Referring to the exhibit, what is the default action of a Junos device in this scenario?

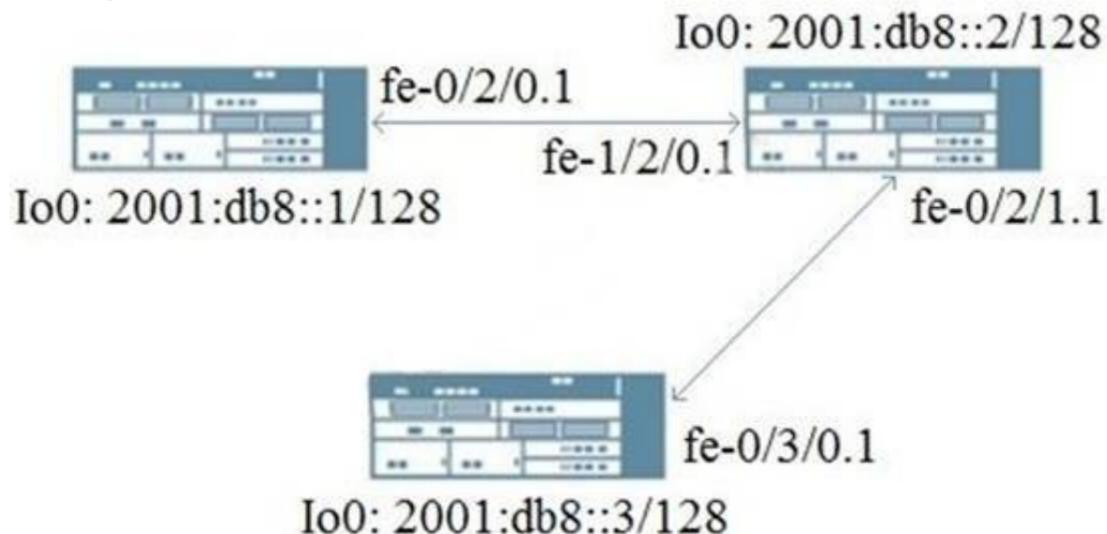
- A. The Junos device retries every 30 seconds until the connection is restored.
- B. The Junos device uses the local authentication database.
- C. The Junos device displays a RADIUS connection error.
- D. The Junos device prompts for a cached RADIUS password.

**Answer: C**

**NEW QUESTION 263**

- (Exam Topic 2)

Referring to the exhibit,



which dynamic routing protocol would be used for this topology?

- A. IGMPv3
- B. OSPFv2

- C. RIPng
- D. RIP

**Answer: C**

**NEW QUESTION 264**

- (Exam Topic 2)

What are two configurable physical interface properties? (Choose two.)

- A. MTU
- B. address
- C. protocol family
- D. link mode

**Answer: AC**

**NEW QUESTION 267**

- (Exam Topic 2)

You are attempting to upgrade the Junos OS on your device, but there is not enough space to complete the upgrade. Which parameter, added to the request system software add command, would solve the problem?

- A. no-validate
- B. no-copy
- C. validate
- D. force

**Answer: B**

**NEW QUESTION 269**

- (Exam Topic 2)

Exhibit:

```
{master:0}[edit routing-instances]
root@switch# top set interfaces xe-0/0/39.0 family ethernet-switching
```

Which statement is true about the command shown in the exhibit?

- A. There needs to be a ; after top for the command to be accepted as a valid command.
- B. Only top should be used, no other options are allowed on the same line.
- C. The command shown in the exhibit would be accepted as a valid command.
- D. If you replace top with up command, it becomes valid.

**Answer: C**

**NEW QUESTION 272**

- (Exam Topic 2)

How would you change the display so that 40 lines will be displayed in the terminal program when you are logged into a junos device?

- A. Set the window size of your terminal program
- B. Issue that set cli screen-length 40 command from operational mode
- C. Set the display options in your terminal program
- D. Issue that set cli screen-length 40 command from Configuration mode

**Answer: B**

**NEW QUESTION 276**

- (Exam Topic 2)

```
user@router> show route

inet.0: 1222 destinations, 1525 routes (1222 active, 0 holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both

0.0.0.0/0          * [Static/5] 1w2d 22:59:01
                   > to 10.10.10.1 via fxp0.0
10.10.10.0/25     * [Direct/0] 1w2d 22:59:01
                   > via fxp0.0
                   [Direct/0] 1w2d 22:58:57
                   > via fxp0.0
10.10.10.7/32     * [Local/0] 1w2d 22:59:01
                   Local via fxp0.0
10.10.10.9/32     * [Local/0] 1w2d 22:58:57
                   Local via fxp0.0
10.200.200.0/23  * [Direct/0] 1w2d 22:30:24
                   > via xe-0/0/3.100
```

What does the number inside the square bracket represent?

- A. Metric
- B. Local preference
- C. Protocol reference number
- D. Route preference

**Answer:** D

**Explanation:**

<https://www.juniper.net/documentation/us/en/software/junos/bgp/topics/ref/command/show-route.html#show-ro> Module 9 of Juniper Open Learning, Routing Fundamentals describes the [Source/Route Preference]. The metric is 'how' a protocol calculates the best path to a destination. RIP = Hops, OSPF = Cost. Metrics are unique to protocols.

```
user@host> show route
```

```
inet.0: 11 destinations, 12 routes (11 active, 0 holddown, 0 hidden)
```

```
+ = Active Route, - = Last Active, * = Both 1:65500:1:10.0.0.20/240
```

```
*[MVPN/70] 19:53:41, metric2 1
```

```
Indirect
```

```
1:65500:1:10.0.0.40/240
```

```
*[BGP/170] 19:53:29, localpref 100, from 10.0.0.30 AS path: I
```

```
> to 10.0.24.4 via lt-0/3/0.24, label-switched-path toD [BGP/170] 19:53:26, localpref 100, from 10.0.0.33 AS path: I
```

```
> to 10.0.24.4 via lt-0/3/0.24, label-switched-path toD inside square brackets -> route preference
```

```
metric and localpref are optional and after the date
```

**NEW QUESTION 280**

- (Exam Topic 2)

Which two conditions must exist in a Junos device for traffic to transit the device to a specific destination? Choose Two

- A. A forwarding table entry for that destination must exist
- B. A routing policy must be in place on the device
- C. A firewall filter must exist to allow traffic to reach that destination
- D. A routing table entry for that destination must exist

**Answer:** AD

**NEW QUESTION 285**

- (Exam Topic 2)

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 286**

- (Exam Topic 2)

Which two commands would you use to reset the candidate configuration to the active configuration? (Choose two.)

- A. rollback 0
- B. rollback 1
- C. rollback 2
- D. rollback

**Answer:** AD

**NEW QUESTION 289**

- (Exam Topic 2)

When a system process encounters an error, how does the Junos OS protect the other processes from being impacted?

- A. The Junos OS executes only one process at a time.
- B. Each routing protocol runs as an individual process.
- C. Each process operates in its own shared memory space.
- D. The Junos OS executes multiple processes simultaneously.

**Answer:** C

**Explanation:**

<http://juniper-basic.blogspot.com/2017/02/juniper-basic.html>

Junos OS functionality is compartmentalized into multiple software processes. Each process handles a portion of the device's functionality. Each process runs in its own protected memory space, ensuring that one process cannot directly interfere with another. When a single process fails, the entire system does not necessarily fail. This modularity also ensures that new features can be added with less likelihood of breaking current functionality. The Junos OS is the trusted, secure network operating system powering the high-performance network infrastructure offered by Juniper Networks. The Junos kernel is based on the FreeBSD UNIX operating system, which is an open-sourcesoftware system.

**NEW QUESTION 294**

- (Exam Topic 2)

Which command is used to validate the syntax of a configuration without applying the

configuration?

- A. commit check
- B. commit confirmed
- C. commit synchronize
- D. commit and-quit

**Answer:** A

#### NEW QUESTION 298

- (Exam Topic 2)

Which two types of traffic are processed by the Routing Engine (RE)?

- A. IP packet with the IP Options field
- B. time-to-live (TTL) expired messages
- C. ICMP destination unreachable messages
- D. OSPF update messages

**Answer:** BC

#### NEW QUESTION 299

- (Exam Topic 2)

Which command displays all IPv4 routes in the default routing instance?

- A. show route table inet.0
- B. show route table inet.2
- C. show route table inet6.0
- D. show route table inet.1

**Answer:** A

#### NEW QUESTION 304

- (Exam Topic 2)

Which statement is true about PFEs?

- A. A PFE receives microcode updates from the RE.
- B. A PFE receives layer 4 forwarding tables updates from the RE.
- C. A PFE receives hardware status messages from the RE
- D. A PFE receives environmental status messages from RE.

**Answer:** B

#### NEW QUESTION 308

- (Exam Topic 2)

Which set of IP addresses are in the same subnet?

- A. 185.114.16.91/28 and 185.114.16.96/28
- B. 185.114.16.77/28 and 185.114.16.82/28
- C. 185.114.16.40/28 and 185.114.16.45/28
- D. 185.114.16.59/28 and 185.114.16.82/28

**Answer:** C

#### NEW QUESTION 311

- (Exam Topic 2)

What is the purpose of the discard action of a firewall filter?

- A. The system drops the packet and logs the entry.
- B. The system drops the packet and sends an ICMP message.
- C. The system silently drops the packet.
- D. The system evaluates the next term in the policy.

**Answer:** C

#### NEW QUESTION 315

- (Exam Topic 2)

Which three statements describe the Transmission Control Protocol (TCP)? (Choose three.)

- A. TCP is a transport layer protocol.
- B. TCP is faster than the User Datagram Protocol (UDP).
- C. TCP provides delivery notification and error-checking mechanisms.
- D. TCP uses a best-effort delivery approach.
- E. TCP application examples include HTTP and SMTP.

**Answer:** ACE

#### NEW QUESTION 318

- (Exam Topic 2)

You are in configuration mode at the top of the hierarchy. You need to abort the changes that you have made and start again with a fresh copy of the active configuration. Which command should you use to accomplish this task?

- A. rollback 0
- B. load active
- C. reset config
- D. clear candidate config

**Answer: A**

#### NEW QUESTION 320

- (Exam Topic 2)

Which keystroke is used to auto-complete user-defined variables?

- A. Spacebar
- B. Home
- C. Esc
- D. Tab

**Answer: D**

#### NEW QUESTION 323

- (Exam Topic 2)

Which command will completely turn off a Junos device?

- A. request system halt
- B. request chassis fpc offline
- C. request system power-off
- D. request system recover

**Answer: C**

#### NEW QUESTION 324

- (Exam Topic 2)

You must configure the 2bfc:0000:0000:beef:0217:cbff:0000:5c85 IPv6 address on your device. In this scenario, which three addresses are correct? (Choose three.)

- A. 2bfc::beef:217:cbff:0:5c85
- B. 2bfc:0:0:beef:0217:cbff:0:5c85
- C. 2BFCnBEEF:0217:CBFF:0:5C85
- D. 2bfc:0:beef:0217:cbff:0:5c85
- E. 2BFC::BEEF:217:CBFF::5C85

**Answer: ABC**

#### NEW QUESTION 327

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