

**Vendor:** Juniper

**Exam Code:** JN0-690

**Exam Name:** Junos Troubleshooting

**Version:** Demo

**QUESTION 1**

Which CLI command is used to restart a software process?

- A. restart
- B. reboot
- C. commit
- D. reload

**Correct Answer:** A

**Explanation****Explanation/Reference:**

Explanation:

To restart a process one have to use restart <process name>, reboot is not even a valid command.

Possible completions:

restart Restart software process

**QUESTION 2**

Which CLI command applies the candidate configuration to the active configuration?

- A. load
- B. merge
- C. copy run start
- D. commit

**Correct Answer:** D

**Explanation****Explanation/Reference:**

Explanation:

Copy run start is a Cisco specific command and is nowhere to be found in Junos.

>commit Commit current set of changes

**QUESTION 3**

Which operational CLI command would you use to troubleshoot hardware-related problems?

- A. show system
- B. show chassis
- C. show route
- D. show cli

**Correct Answer:** B

**Explanation****Explanation/Reference:**

Explanation:

Show route will only show you routing, show chassis will show you hardware related information.

>show chassis ?

Possible completions:

alarms Show alarm status

cluster Show chassis cluster information

craft-interface Show craft interface status

environment Show component status and temperature, cooling system speeds fan Show fan and fan tray information

firmware Show firmware and operating system version for components forwarding Show forwarding

process (fwdd) status

fpc Show Flexible PIC Concentrator status  
hardware Show installed hardware components  
location Show physical location of chassis  
mac-addresses Show media access control addresses  
pic Show Physical Interface Card state, type, and uptime routing-engine Show Routing Engine status  
temperature-thresholds Show chassis temperature threshold settings usb Show chassis USB status

#### QUESTION 4

In the Junos OS, which type of file dumps the program's environment in the form of memory pointers, instructions, and register data to a file in the event of a panic or other serious malfunction?

- A. log file
- B. backup file
- C. configuration file
- D. core file

**Correct Answer:** D

#### Explanation

#### Explanation/Reference:

Explanation:

Junos will under a panic create a core-dump file, definitely not a backup file.

```
> show system core-dumps
```

```
/var/crash/*core*: No such file or directory
```

```
/var/tmp/*core*: No such file or directory
```

```
/var/tmp/pics/*core*: No such file or directory
```

```
/var/crash/kernel.*: No such file or directory
```

```
/tftpboot/corefiles/*core*: No such file or directory
```

#### QUESTION 5

Which operational CLI command would you use to display information about the system and software processes?

- A. show system
- B. show chassis
- C. show route
- D. show cli

**Correct Answer:** A

#### Explanation

#### Explanation/Reference:

Explanation:

Show route will only show you routing, show system will show you software related information:

```
>show system ?
```

Possible completions:

```
alarms Show system alarm status
```

```
audit Show file system MD5 hash and permissions
```

```
auto-snapshot Show auto-snapshot status when system booted from alternate slice autoinstallation Show autoinstallation information
```

```
autorecovery Show autorecovery information
```

```
boot-messages Show boot time messages
```

```
buffers Show buffer statistics
```

```
certificate Show installed X509 certificates
```

```
commit Show pending commit requests (if any) and commit history configuration Show configuration information
```

```
connections Show system connection activity
```

```
core-dumps Show system core files
```

```
directory-usage Show local directory information
```

```
download Show status of downloads
```

firmware Show all firmware version information  
health Show online diagnostic status  
license Show feature licenses information  
login Show system login state  
memory Show system memory usage  
processes Show system process table  
queues Show queue statistics  
reboot Show any pending halt or reboot requests  
resource-cleanup Show resource cleanup information  
rollback Show rolled back configuration  
services Show service applications information  
snapshot Show snapshot information  
software Show loaded JUNOS extensions  
statistics Show statistics for protocol  
storage Show local storage data  
threads Show system threads table  
uptime Show time since system and processes started  
users Show users who are currently logged in  
virtual-memory Show kernel dynamic memory usage

### QUESTION 6

What is the name of the routing protocol process on a Junos OS device?

- A. chassisd
- B. snmpd
- C. rpd
- D. cosd

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Explanation:

The Routing Process Deamon (RPD) handle Routing. COSD handle Class of service.

### QUESTION 7

Which statement is correct about troubleshooting?

- A. You must always have a complete understanding of the problem before you begin gathering any information.
- B. You must be sure the problem will be resolved before attempting a potential solution.
- C. The problem must be reproducible before attempting a potential solution.
- D. Establishing a network baseline is important to help understand when something is not working.

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Explanation:

### QUESTION 8

Which three steps are involved in troubleshooting any problem? (Choose three.)

- A. Reboot the device.
- B. Clearly define the problem.
- C. Outline the expected behavior.
- D. Determine who made the changes.
- E. Isolate the problem.

**Correct Answer:** BCE

## Explanation

### Explanation/Reference:

Explanation:

### QUESTION 9

Which operational command would be used to display diagnostic data and alarms for 1/10/100 Gigabit Ethernet optical transceivers?

- A. show interfaces extensive
- B. show interfaces diagnostics optics
- C. show chassis alarms
- D. show interfaces controller

**Correct Answer: B**

### Explanation

### Explanation/Reference:

Explanation:

### QUESTION 10

Which command would be helpful in determining the time at which the protocols started?

- A. show route
- B. show chassis hardware
- C. show configuration
- D. show system uptime

**Correct Answer: D**

### Explanation

### Explanation/Reference:

Explanation:

### QUESTION 11

Which command is useful in testing the correct operation of an SNMP configuration toward an NMS?

- A. show snmp rmon
- B. show snmp mib
- C. show snmp v3
- D. request snmp spoof-trap

**Correct Answer: D**

### Explanation

### Explanation/Reference:

Explanation:

### QUESTION 12

Which two Junos OS commands are helpful in confirming whether an Object Identifier (OID) has recorded the correct data? (Choose two.)

- A. show snmp mib get
- B. show snmp statistics
- C. show snmp v3
- D. show snmp mib walk

**Correct Answer: AD**

### Explanation

**Explanation/Reference:**

Explanation:

**QUESTION 13**

Given the example shown below:

Emergency boot media > flash disk > \_\_\_\_\_

What is missing from the default boot list?

- A. LAN
- B. USB
- C. PCMCIA card
- D. hard disk

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 14**

You are notified about a router reboot event.

Which command would be helpful in determining the reason for the last reboot?

- A. show chassis craft-interface
- B. show system reboot
- C. show chassis routing-engine
- D. show system snapshot

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 15**

A technician has reported an alarm on your device running the Junos OS. You suspect it is due to the temperature in the rack. Which two commands will confirm your suspicion? (Choose two.)

- A. show chassis alarms
- B. show chassis firmware
- C. show chassis hardware
- D. show chassis environment

**Correct Answer: AD**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 16**

Which process is responsible for managing interface devices on the system?

- A. chassis daemon
- B. device control daemon
- C. routing protocol process

D. management daemon

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 17**

Which CLI command would be used to verify the routing protocol daemon memory usage?

- A. show route summary
- B. show route detail
- C. show system processes extensive
- D. show chassis routing-engine

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 18**

Which command would be used to clear stuck user sessions?

- A. request system reboot
- B. request system logout
- C. request chassis routing-engine master switch
- D. request routing-engine login other-routing-engine

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 19**

You want to reset all the PFE components with graceful Routing Engine switchover (GRES) disabled on the system. Which command should you use?

- A. restart chassis-control soft
- B. restart chassis-control immediately
- C. restart chassis-control
- D. restart routing

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 20**

What controls the CLI process?

- A. chassis control daemon
- B. management daemon
- C. routing protocol process
- D. device control daemon

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 21**

Which three statements are correct about ARP related troubleshooting? (Choose three.)

- A. Most devices that run the Junos OS allow you to specify a manual ARP entry.
- B. The monitor traffic interface <interface-name> command can be used to watch ARP packets.
- C. There are no default ARP policers on any devices running the Junos OS.
- D. An individual ARP entry can be cleared using the clear arp hostname command.
- E. The clear arp command also clears the IPv6 neighbor cache.

**Correct Answer:** ABD

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 22**

In Junos, which process has its own internal task scheduler?

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

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 23**

Which three statements are correct about rpd related troubleshooting on devices running the Junos OS? (Choose three.)

- A. A log for rpd scheduler slip is an indication of something that should be investigated and resolved.
- B. A log for rpd scheduler slip is a common, harmless syslog and can be ignored.
- C. A possible cause for an overworked rpd is excessive protocol tracing.
- D. A possible method to troubleshoot rpd scheduler slips is to temporarily enable task accounting.
- E. Excessive protocol tracing can never be a cause for an overworked rpd.

**Correct Answer:** ACD

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 24**

You suspect that your router is missing the .0/24 routes for your local network. You first want to look for the routes on the control plane before troubleshooting the data plane.

Which operational mode command should you issue?

- A. show route forwarding-table
- B. show route flow validation table
- C. show route



D. show arp

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 25

You are asked to provide an audit trail for all user activity on your Junos device. Which syslog configuration statement accomplishes this task?

- A. user \* {any any;}file messages {any notice;authorization info;}
- B. user \* {any any;}file messages {any info;authorization info;}
- C. user \* {any emergency;}file messages {any notice;authorization info;}file interactive-commands {interactive-commands any;}
- D. user \* {any emergency;}file messages {any notice;authorization info;}file audit-commands {authorization any;}

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 26

You are asked to configure traceoptions to capture all general events for rpd. Which configuration statement accomplishes this task?

- A. [edit routing-options]user@router# show traceoptions {file rpd\_log;flag general;}
- B. [edit routing-instances]user@router# show traceoptions {file rpd\_log;flag general;}
- C. [edit forwarding-options]user@router# show traceoptions {file rpd\_log;flag general;}
- D. [edit protocols]user@router# show traceoptions {file rpd\_log;flag general;}

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 27

Which two statements are true about firewall filters and policers? (Choose two.)

- A. If an input firewall filter is configured on the same logical interface as a policer, the firewall filter is executed first.
- B. If an output firewall filter is configured on the same logical interface as a policer, the policer is executed first.
- C. If an input firewall filter is configured on the same logical interface as a policer, the policer is executed first.
- D. If an output firewall filter is configured on the same logical interface as a policer, the firewall filter is executed first.

**Correct Answer:** CD

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 28

You have been asked to troubleshoot an interface that is flapping. Which three tools would you use to

isolate the cause? (Choose three.)

- A. syslog messages
- B. ping utility
- C. loopback interface testing
- D. show interfaces
- E. PFE statistics

**Correct Answer:** ACD

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 29**

Which two commands help to identify traffic drops due to oversubscription? (Choose two.)

- A. show interfaces extensive
- B. show interfaces queue
- C. monitor interface traffic
- D. monitor traffic interface

**Correct Answer:** AB

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 30**

Which two features would be deployed to prevent DoS attacks? (Choose two.)

- A. Bidirectional Forward Detection (BFD)
- B. ARP policer
- C. loopback filter
- D. periodic packet management (PPM)

**Correct Answer:** BC

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 31**

Which three commands will provide details about CPU utilization on a line card? (Choose three.)

- A. show chassis fpc
- B. show chassis hardware
- C. request pfe execute target fpc1 command "show sched"
- D. request pfe execute target fpc1 command "show thread"
- E. request pfe execute target fpc1 command "show arp"

**Correct Answer:** ACD

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 32**

Which two statements are true regarding BGP path MTU discovery? (Choose two.)

- A. BGP path MTU discovery provides the most efficient use of link bandwidth.
- B. BGP path MTU discovery alleviates fragmentation problems.
- C. BGP path MTU discovery must be configured on every router along the path.
- D. BGP path MTU discovery can be enabled only for IBGP sessions.

**Correct Answer:** AB

**Explanation**

**Explanation/Reference:**

Explanation:

### QUESTION 33

A client has reported that they cannot establish an FTP connection to your Junos device.

Which command would you use to diagnose the problem?

- A. show interfaces terse
- B. monitor interface traffic
- C. monitor traffic interface
- D. show interfaces extensive

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Explanation:

### QUESTION 34

An interface on your Junos device reports a device-level flag of Loopback-detected.

What is causing this flag to be reported?

- A. The link-layer protocol failed to successfully connect with the remote endpoint.
- B. The interface was administratively disabled.
- C. The interface is in promiscuous mode and sees frames addressed to all physical addresses on the medium.
- D. The interface link layer received its own frames.

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Explanation:

### QUESTION 35

Two neighboring routers running OSPF were configured with the same router ID by mistake. Which OSPF operational mode command would report the number of hello packets received with the local router's router ID?

- A. show ospf route
- B. show ospf log
- C. show ospf statistics
- D. show ospf io-statistics

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Explanation: