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QUESTION 1

A Linux administrator needs to remove software from the server. Which of the following RPM options should be used?

- A. rpm -s
- B. rm -d
- C. rpm -q
- D. rpm -e

Correct Answer: D

D. rpm -e

The rpm -e option is used to remove software packages from a Linux system that uses the RPM Package Manager. This option allows the administrator to remove one or more installed packages, along with all their dependencies.

QUESTION 2

Users have been unable to reach www.comptia.org from a Linux server. A systems administrator is troubleshooting the issue and does the following: Based on the information above, which of the following is causing the issue?

Output 1:

```
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default qlen 1000
    link/ether ac:11:22:33:44:cd brd ff:ff:ff:ff:ff:ff
    inet 192.168.168.10/24 brd 192.168.169.255 scope global dynamic noprefixroute eth0
        valid_lft 8097sec preferred_lft 8097sec
    inet fe80::4daf:8c7c:a6ff:2771/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
```

Output 2:

```
nameserver 192.168.168.53
```

Output 3:

```
FING 192.168.168.53 (192.168.168.53) 56(84) bytes of data.
64 bytes from 192.168.168.53: icmp_seq=1 ttl=64 time=2.85 ms
```

```
--- 192.168.168.53 ping statistics ---
```

```
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 2.847/2.847/2.847/0.000 ms
```

Output 4:

```
192.168.168.0/24 dev eth0 proto kernel scope link src 192.168.168.10 metric 600
```

Output 5:

```
...
;; QUESTION SECTION:
;www.comptia.org. IN A

;; ANSWER SECTION:
. 0 CLASS4096 OPT 10 8 LgmNvk0AazU=

;; ADDITIONAL SECTION:
www.comptia.org. 3385 IN A 23.96.239.26
...
```



- A. The name www.comptia.org does not point to a valid IP address.
- B. The server 192.168.168.53 is unreachable.
- C. No default route is set on the server.
- D. The network interface eth0 is disconnected.

Correct Answer: C

The answer should be C.

I can't see any default routes on this configuration. But the name server on the same subnet is reachable, and does appear to have a valid IP address. It looks like there is another typo on this question though. The broadcast address

192.168.169.255 is outside the subnet of 192.168.168.10/24. So any broadcasts at that IP would be useless when attempting to talk to 192.168.168.0/24 devices.

QUESTION 3

A server is experiencing intermittent connection issues. Some connections to the Internet work as intended, but some fail as if there is no connectivity. The systems administrator inspects the server configuration:

Routing table:

```
default via 89.107.157.129 dev ens3 proto static metric 100
default via 10.0.5.1 dev ens11 proto dhcp metric 101
10.0.0.0/16 dev sn11 proto kernel scope link src 10.0.6.225 metric 101
89.107.157.128/26 via 89.107.157.129 dev ens3 proto static metric 100
89.107.157.129 dev ens3 proto static scope link metric 100
89.107.157.160/29 dev ens3 proto kernel scope link src 89.107.157.161 metric 100
```

IP configuration:

```
ens3:
  inet 89.107.157.161/29 brd 89.107.157.167 scope global noprefixroute ens3
ens11:
  inet 10.0.6.225/16 brd 10.0.255.255 scope global noprefixroute dynamic ens11
```

ARP table:

Address	Hwtype	Hwaddress	Flags	Mask	Iface
10.0.5.1	ether	64:d1:54:c4:75:cb	C		ens11
89.107.157.129	ether	5c:5e:ab:01:85:cf	C		ens3
89.107.157.162	ether	52:54:00:e1:44:0a	C		ens3
10.0.255.1	ether	00:50:7f:e3:aa:1c	C		ens11

/etc/resolv.conf:

```
Generated by NetworkManager
search company.com
nameserver 10.0.5.1
```



Which of the following is MOST likely the cause of the issue?

- A. An internal-only DNS server is configured.
- B. The IP netmask is wrong for ens3.
- C. Two default routes are configured.
- D. The ARP table contains incorrect entries.

Correct Answer: B

Technically B is the best answer here, but its not best practice to have two default-routes configured. It overcomplicates the network configuration, and also the troubleshooting when an issue arises. A floating static route for a specific destination address is the better solution.

QUESTION 4

A cloud engineer needs to check the link status of a network interface named eth1 in a Linux server. Which of the following commands can help to achieve the goal?

- A. `ifconfig hw eth1`
- B. `netstat -r eth1`
- C. `ss -ti eth1`
- D. `ip link show eth1`

Correct Answer: D

The command that can be used to check the link status of a network interface named eth1 in a Linux server is option D, `ip link show eth1`.

The `ip` command is used to show or manipulate the network interfaces on a Linux system. The `link` option is used to display or modify the attributes of a network device, and the `show` option is used to display the specified device.

To check the link status of eth1, the following command can be used:

```
ip link show eth1
```

This command will display information about the eth1 network interface, including its status and any configured options.

QUESTION 5

At what point is the Internal Certificate Authority (ICA) created?

- A. During the primary Security Management Server installation process.
- B. Upon creation of a certificate.
- C. When an administrator decides to create one.



D. When an administrator initially logs into SmartConsole.

Correct Answer: A

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