



## **310-044**

**(Sun Certified Network Administrator for the Solaris 9 Operating System)**

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## Question: 1

You have used the appropriate startup scrip in `/etc/init.d` to start the NTP daemon. However, the NTP daemon does not start up. There is no error message. What is the reason for this?

- A. There is no configuration file.
- B. rpcbind is not running on the machine.
- C. The configuration file contains faulty entries.
- D. The NTP daemon cannot contact an NTP server.

Answer: A

**Explanation:**

There must be a valid NTP configuration file named `ntp.conf` located in the `/etc/inet` directory in order for the `xntpd` daemon to start.

**Incorrect Answers**

- B: rpcbind has nothing to do with starting the NTP daemon.
- C: If the configuration file existed and contained a faulty entry, an error message would appear.
- D: The `xntpd` daemon must be running in order to contact an NTP server.

## Question: 2

Given the NTP server IP address is `128.50.2.10`, which two are valid entries in the NTP client configuration file? (Choose two)

- A. `broadcastclient`
- B. `multicastclient`
- C. `multicastclient 24.0.1.1`
- D. `unicastclient 128.50.2.10`
- E. `broadcastclient 255.255.255.255`

Answer: A, B

**Explanation:**

The `broadcastclient` option specifies that the local server should listen for broadcast messages on the local network in order to discover other servers on the same subnet. The `multicastclient` option is similar to the `broadcastclient` option, but operates using IP multicasting. If you provide one or more IP addresses, the server joins the respective multicast group(s). Otherwise, the IP address is assumed to be the one assigned to NTP (`224.0.1.1`).

**Incorrect Answers**

- C: `24.0.1.1` is not a valid multicast IP address.
- D: This is an invalid option.
- E: The `broadcastclient` option does not take an IP address as an argument.

2

Question: 3

Which entry in an NTP server configuration file specifies the stratum level sent out with the NTP server?

- A. peer
- B. fudge
- C. prefer
- D. controlkey

**Explanation:**

The fudge keyword in the configuration file specifies the stratum level sent out with the NTP server in the format fudge [server\_ address generated by and stratum\_level is a level between the local

**Incorrect Answers**

- A: This line specifies the peer with the remote server specified.
- C: This line specifies the preferred hosts.
- D: This line specifies the controlkey.

Answer: B

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Question: 4

What is the full path to the configuration file for an NTP server?

**Explanation:**

The ntp.conf file resides in the /etc directory and contains configuration information for an NTP server. The ntp.server.conf file is provided as a template for creating ntp.conf on an NTP server.

ntp.conf