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Introduction to Linux II – Chapter 10 Exam Answers 2019 + PDF file

1. **The system clock calculates time as number of seconds elapsed since:**
    - *01-Jan-2000 00:00:00*
    - *01-Jan-1980 00:00:00*
    - The base time set at the time of installation
    - ***01-Jan-1970 00:00:00***

2. **The reference time that the system time is calculated from is known as:**
    - UTC
    - **Epoch time**
    - GMT
    - Base time

3. **The system clock contains both time and time zone information.**

    True or False?
    - **True**
    - False

4. **The battery-powered clock, which keeps time when the system is shut down, is known as the:**
    - System clock
    - Battery time
    - **Hardware clock**
    - Base clock

5. **When the system boots, the system clock is set using the value of the hardware clock.**

    True or False?
    - **True**
    - False

6. **When the Linux computer was shut down, the system clock indicated 11:30:17. What will be the time of the hardware clock immediately after shutdown?**
    - Varies from time zone to time zone
    - **11:30:17**
    - Hardware clock will show UTC time
    - Local time

7. **A software application that is dependent on both hardware and system clocks is failing. A possible reason could be:**
   - Software license has expired
   - **System clock and hardware clocks are out of sync**
   - Time zone has changed
   - There are multiple *rtc* files under */dev*

8. **Which of the following commands will set the system time to the same time as the hardware clock?**
   - ***hwclock –s***
   - *hwclock –set –date "current system time"*
   - *hwclock –w*
   - *hwclock –r*

9. **Amount of time the hardware clock gains or loses on a regular rate is known as:**
   - Clock cycle change
   - Delta time
   - Clock gain
   - **Clock drift**

10. **In the last six months, the administrator had to adjust the hardware clock on three different occasions. He can find information regarding past clock values from which file?**
    - ***/etc/adjtime***
    - */dev/rtc0*
    - */dev/rtc1*
    - */etc/localtime*

11. **The date command is used for:**
    - Setting the system date and time
    - Assigning filenames with timestamps suffixed to them in scripts
    - Viewing current date and time
    - **All choices are valid**

12. **The** date **command can show the time only in 0-23 hour format.**
    True or False?
    - True
    - **False**

13. **NTP stands for:**
    - **Network Time Protocol**
    - New Time Protocol

- No Testing Parameter
- New Time zone Parser

14. **The reference time used by NTP is:**

- **UTC**
- Local time on the primary server
- GMT + 0.5
- CMOS clock time

15. **The precision provided by NTP is on the order of:**

1. **Tens of million seconds**
2. 1 hour
3. 1 second
4. 1 millisecond

16. **Instead of running** ntpd **as a daemon, the administrator wants to run it as a background process. Which of the following options should be used?**

- –c
- –q
- **–n**
- –g

17. **The** */etc/ntp.conf* **file shows that NTP servers are being queried using** *iburst* **mode. This enables:**

- Sending a burst of three requests instead of one if the server is unreachable
- Checking the closest server first
- **Speeding up of initial synchronization**
- Finding time even if the server is unreachable

18. **Which of the following options, when used with the** ntpd **command, will perform a one time synchronization:**

- –g
- –c
- –N
- **–q**

19. **The** */etc/ntp.conf* **file lists three servers for querying. Two of them return the time** *10:54:23* **while the third one shows a different time (i.e.** *10:50:37*). **The system will use which of the return values?**

- It will use the time of the server that was queried first
- **It will use 10:54:23 since this is what the majority of servers indicate**
- It will use 10:50:37 if this is closer to the system's current time

- It will use an average of the time

20. **Two NTP servers are used by *ntpd*; one runs Stratum-2 clock while the other uses Stratum-4. Which one is considered to be more accurate?**

- Stratum-4
- It is impossible to tell by the Stratum number
- **Stratum-2**
- Both are equally accurate

21. **To verify if a NTP server is available, which of the following commands should be executed?**

- ***ntpdate –q***
- *ntpdate*
- *ntpdate –t*
- *ntpdate –p*