Lab Report

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**Lab Report**

**Question 1: What was the objective of the exercise?**

In network environments, local time hosts connected to the network can be synchronized with the network time with reference to pre-defined time zones as well. In Red Hat Enterprise Linux version 7 the default time management tool is deployed using a chrony job. Network time protocol is another handy tool to manage the time on networked hosts that use user datagram protocol to synchronize time on network nodes. The objective of the exercise was to change and manage the time on a Linux system to a particular time zone using the timedatectl command. This command is used to turn on network time protocol and communicate with chronyd process in case of Red Hat Enterprise Linux system version 7.

**Question 2: What was the outcome of the exercise?**

As an outcome of the exercise system, time and date were changed to a different time zone instead of hardware clocks of the system. Hardware clock shows the hardware time based on system oscillators. It was converted to human readable time and date format and finally, the system time was synchronized to the Europe/Amsterdam time zone using the timedatectl command. The command communicated with network time protocol to provide the administrator with available time zone options.

**Question 3: Explain your experience with the exercise?**

The exercise was designed to equip students with practical experience of managing time and date on networked computers running Linux based operating systems using network time protocol and timedatectl command. No errors or technical issues were experienced while performing the lab. All the instructions in the exercise are self-explanatory. Appropriate execution of commands as described in the exercise generated desired output instantaneously. The task was completed successfully without encountering any potential issue. Overall the experience of performing the exercise in the lab was very interesting.