Lab Report

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

Logging is an essential feature of any modern operating system. Especially operating systems targeted for enterprise markets have advanced logging capabilities. Log files can be used to investigate potential hardware failures caused by any particular action or to investigate cybersecurity breaches on the network. The objective of the exercise was to configure custom rules for Apache web server for log file requirements. Apache web server does not use default system log files for log entries. In the lab exercise, a configuration change was introduced in the log configuration of the system to make Apache applications capable of writing events in default system log files.

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

As an outcome of the exercise Apache web server was made capable of writing log entries into default log files of the system along with a custom log file for hypertext transmission protocol requests. Log entries into customized file were tested by requesting an HTTP resource using the Firefox web browser. Corresponding log entry was created instantly as there was no such resource available on the server. Configuration changes made into the rules of rsyslog file configurator. It was achieved and tested in the lab that the Apache web server started logging into the default system log.

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

The exercise was designed to equip students with practical experience of enabling custom applications to use default system log file for log entries of the application instead of a separate file. 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.