Discussion

Linux is a popular operating system that is available freely and used in the web servers. It is an open source and works with the components of web hosting software. The second important component of the LAMP includes Apache that is also known as an HTTP server. The software allows server webpages to connect via HTTP protocol. Installation of Apache allows Linux machine to transform into a web server that is used to host live websites.

MySQL is another significant component of LAMP that is a database management system. PHP is a web scripting language and is used for creating dynamic websites. The LAMP server generates dynamic webpages by running a PHP code. After this process, the MySQL database is used for loading the data (Bacic, 2016).

MySQL and PHP are the most common databases are used for web programming languages. The main reason for PHP's popularity is that it is open source and is simple for using. Another reason for the popularity of PHS is that it is faster and saves time because the process can be completed within time. It offers high flexibility and security that makes it more platform independent. MySQL offers many benefits such as data security by transactional processing. The provision of the high-speed transactional process makes it efficient and ensures high performance. On-demand scalability is another dominant feature of MySQL that makes it more popular. Complete workflow control improves usability and provides a solution for self-management. Open source solution makes it cost effective for the users (Data, 2016).

The alternative to MySQL and PHP include PostgreSQL. It is considered as one of the best alternatives because it is one of the advanced open source data. It allows developing modules across a wide variety of community. The performance is superiorly high and it facilitates the transmission of information within communities (Bitnine, 2017).

References

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