Discussion: E-commerce

Student’s Name

Institution

Date

Discussion

Secure Sockets Layer (SSL) is a standard security technology, which is established to encrypt link between the browser and web server. It ensures that all the data, which pass between the browser and web server is private and integral. This kind of security is required for organizations dealing with financial and highly confidential information and therefore, an e-commerce company company’s website can be secured using secure Sockets Layer. Therefore, the website for Alibaba, (www.alibaba.com), Amazon ([www.amazon.com](http://www.amazon.com)) and other e-commerce web sites can be hosted or secured using SSL technology. The technology is used to protect online transaction and therefore, it is high likely that most companies doing transaction online are using the technology.

The web sites have identified should be secured because of the confidentiality of the information or data, they deal with. These web sites deal with business transaction, which involve financial transactions such as payment where customers use their debit and credit. This information is very confidential and any exposure and lead to lose of trust and lawsuit against the company. It is important to ensure that the financial information of the company remains protected and only SSL can offer the best protection.

A certificate authority is an authority, which issued digital Certificate. It is the authority, which is in charge of issuing SSL to companies. However, the GeoTrust and DigiCert are some of the certificate authority, which I can recommend to a company. This is because of their fair price, security of their systems (RapidSSLonline, 2019). GeoTrust is the second largest Certificate Authority with over 10,000 users and available in over 150 countries. This shows how it has been operating over the years and therefore, it has integrity to protect (Michale, 2014). The type of SSL, which I can recommend from the vendor, is an Extended Validation. Extended Validation checks the right of applicants to use specific domain and it conducts thorough vetting. The advantage of using SSL on all Zeus web pages is the protection of the confidentiality of the information. The transaction shall be exposed and the data transfer between the client and the web server to remains protected.

# Bibliography

RapidSSLonline. (2019). Top Trusted Certificate Authority/CA List Explained. *https://www.rapidsslonline.com/blog/top-trusted-certificate-authority/* , 2-15.