

Abstract

As each coin has two sides, so does technology. On one hand, with the advancement in technology the lives are getting better, on the other hand, the ill use of technology is also increasing. The suspicious activities are increasing ranging from dos attacks, phishing, hacking etc. This project is concerned with the increasing phishing attacks.

Typically, Phishing is a type of social engineering where an attacker sends a fraudulent (e.g., spoofed, fake, or otherwise deceptive) message designed to trick a person into revealing sensitive information to the attacker or to deploy malicious software on the victim's infrastructure like ransomware.

This project aims to create a model based on the data analysis to identify if the website is legitimate or a phishing website. The Result will be determined by the two values [1, -1] where 1 represent the legitimate and -1 represents phishing. The dataset is provided by Hewlett Packard Enterprise and the data set consists of 30 features of a phishing website. The results are compared on the basis of various algorithms and the best one is chosen with maximum accuracy.