

IDEATION

Phishing website is one of the internet security problems that target the human vulnerabilities rather than software vulnerabilities. The aim of phishers is to attract online users and obtain their sensitive information such as usernames, passwords and bank account details.

Our project deals with methods for detecting phishing websites by analyzing various features of benign and phishing URLs by Machine learning techniques. We discuss the methods used for detection of phishing Web sites based on lexical features, host properties and page importance properties. We consider various machine learning algorithms for evaluation of the features in order to get a better understanding of the structure of URLs that spread phishing. The fine-tuned parameters are useful in selecting the apt machine learning algorithm for separating the phishing sites from benign sites.

We offer an intelligent system for detecting phishing websites. The system acts as an additional functionality to an internet browser as an extension that automatically notifies the user when it detects a phishing website. The system is based on a machine learning method, particularly supervised learning.