

Heuristic-based Approach for Phishing Site Detection Using URL Features

GUIDE & CO-GUIDE :-

GROUP NO:- 18

GROUP MEMBERS:-

1]CHIRAG CHAUDHARI (15204030)

2] SWAPNIL KSHETRE (15204003)

3]SWAPNIL GHAWALI (15204009)

4] AAKASH SANE (15204012)

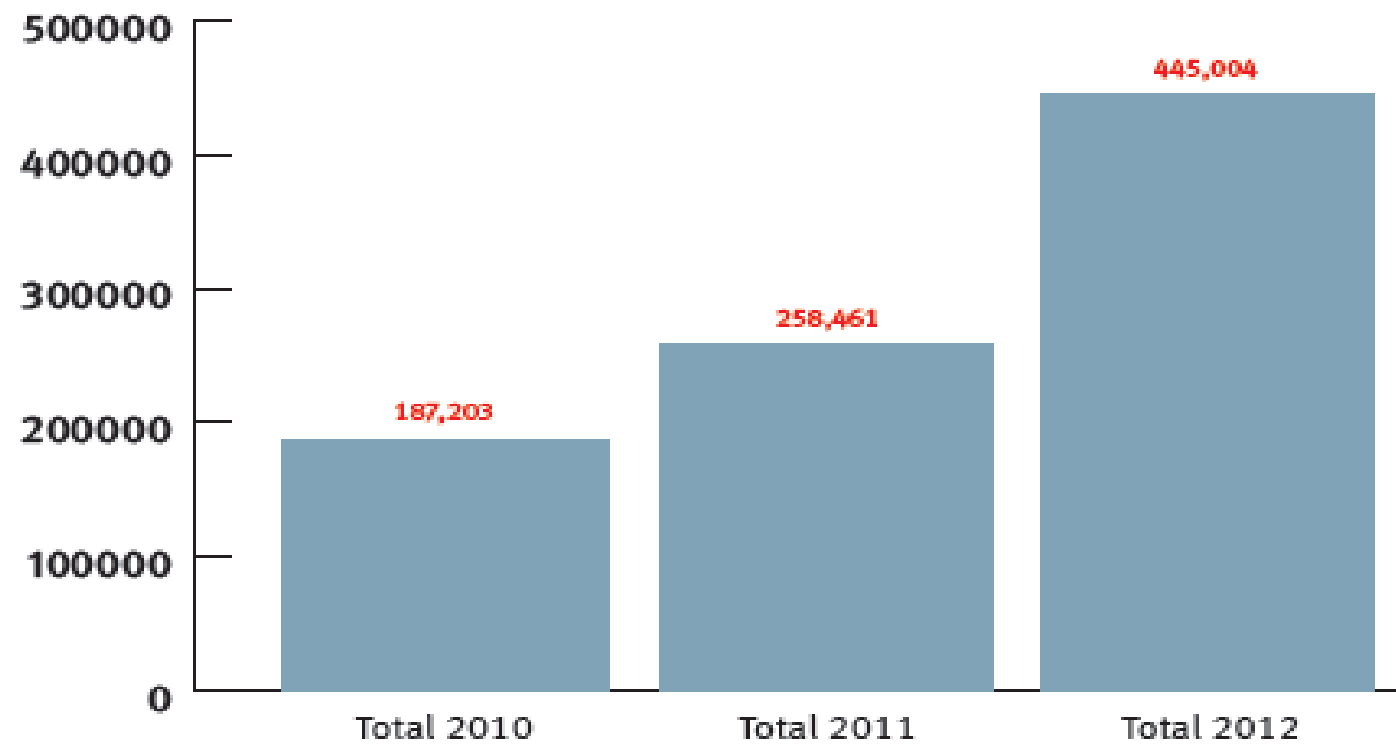
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Introduction

- Phishing is a malicious use of Internet resources carried out to trick Internet users to reveal personal information, such as usernames, credit card information, and Social Security numbers to the attacker.
- Phishing can appear through a variety of communication forms such as instant messaging, SMS, VOIP, online messenger, and above all the most common form of phishing attack leverages email.

Phishing Attack Per Year



Abstract

- Damage caused by phishing attacks that target personal user information is increasing.
- Phishing is an attempt by an individual or a group of person to steal personal information such as password, banking account and credit card information, etc.
- Most of these phishing web pages look similar to the real web pages in terms of website interface and uniform resource locator (URL) address.
- Many techniques have been proposed to detect phishing websites, such as Blacklist-based technique, Single-Layer Neural Network approach etc.
- The proposed technique calculates the value of heuristics objectively.

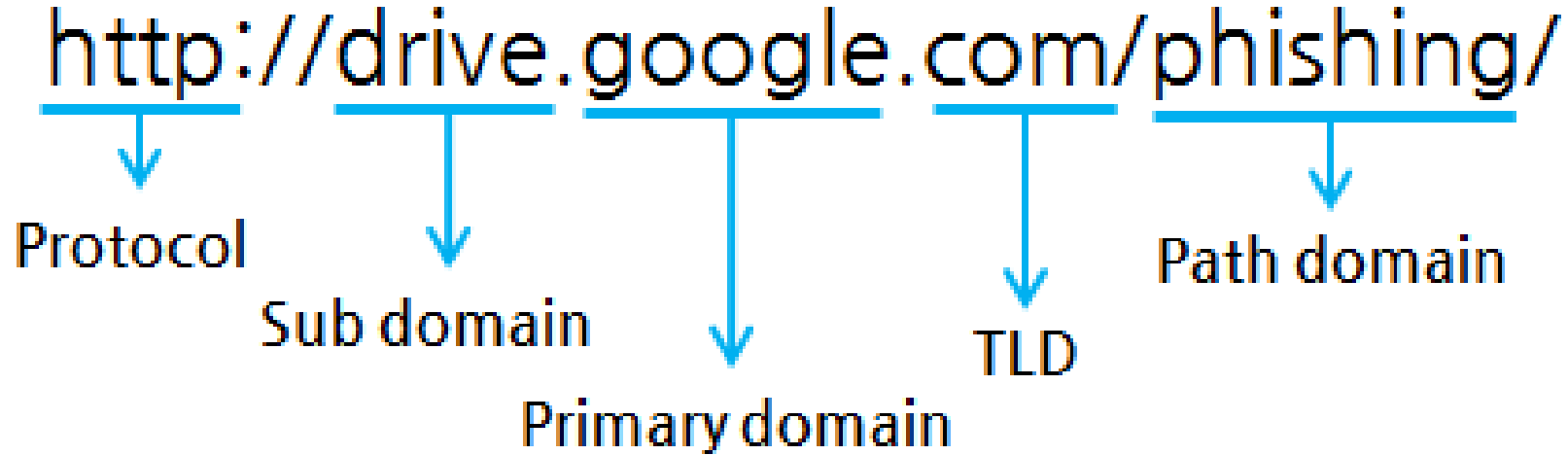
Proposed Approach

- ❑ In proposed System there are only two technique are detect phishing
 - black list approach
 - Single-Layer Neural Network approach

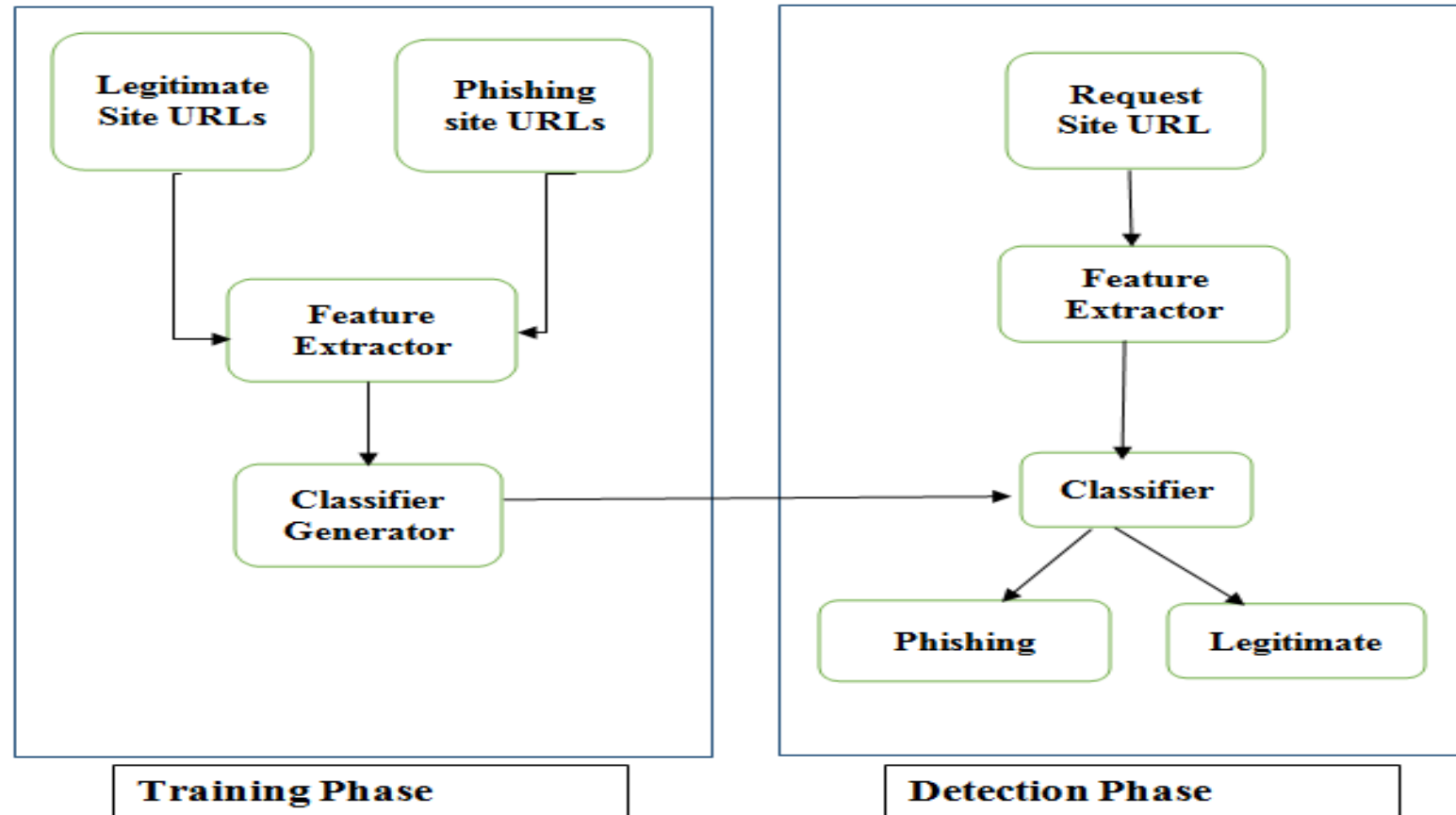
Design/Architecture

□ URL Structure

- Below structure shows the individual components of a URL
- TLD :- TOP LEVEL Domain



Architecture



Technology Stack

H/W Requirements

- 1 GB RAM.
- 200 GB HDD.
- Intel 1.66 GHz Processor Pentium 4

S/W Requirements

- Windows XP, Windows 7,8
- Visual Studio 2010
- MS SQL Server 2008
- Windows Operating System

[illegible]

Referances

- A. Sunil and A. Sardana, “A pagerank based detection technique for phishing web sites,” in IEEE Symposium on Computers & Informatics, 2012, pp. 58–63.
- L. A. T. Nguyen, B. L. To, H. K. Nguyen, and M. H. Nguyen, “A novel approach for phishing detection using url-based heuristic,” in IEEE International Conference on Computing, Management and Telecommunications (ComManTel), 2014, pp. 298–303
- PhishTank. (2013, Nov.) Statistics about phishing activity and phishtank usage. [Online]. Available: <http://www.phishtank.com/stats/2013/01/>

Thank You...

