

RESEARCH PAPER

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Topic for Research: Honeypots

Abstract

Honeypots are an exciting new technology with enormous potential for the security community. A honeypot is an information system resource whose value lies in unauthorized or illicit use of that resource. Unlike firewalls or Intrusion Detection Systems, honeypots do not solve a specific problem. Instead, they are a highly flexible tool that comes in many shapes and sizes. They can do everything from detecting encrypted attacks in IPv6 networks to capturing the latest in on-line credit card fraud. It is this flexibility that gives honeypots their true power. It is also this flexibility that can make them challenging to define and understand. There are several problems and challenges associated with the honeypots. Few of them are identifying honeypots, exploiting honey pots and attacker clientele. In this research paper I am going work on different ways of identifying and exploiting honeypots.

Importance

Network Security is one the challenge that every organization is facing today. Though there are different security methods, honeypots have its own importance. I found honeypots very interesting because it is an incredibly simple concept that offers very powerful security. They are designed to capture anything that interacts with them, including tools or tactics never seen before. Unlike most security technologies, Honeypots also work in IPv6 environments. Because of their architecture, Honeypots are conceptually simple.

I am interested in delivering a presentation in class because ,I feel I can express my views well while giving presentation .I am interested in having a live discussion on the topic with the instructor and my classmates .I want to share my knowledge with them and want to learn several things that they know about the topic.