# Self Monitoring System For Finding Internal Attacks

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***Abstract-*** *Security has been one of the serious problems in the computer domain since attackers very usually try to penetrate computer systems and behave maliciously to authenticate users. To solve this issue we propose a security system, which detects malicious behaviors launched toward a The system proposes a security system, named the Internal Intrusion Detection and Protection System ( IIDPS for short) at system call level, which creates personal Profiles for users to keep track of their activities as the forensic features. The IIDPS uses a local computational grid to detect malicious behaviors in a real time manner the proposed work is regarded with Digital forensics technique and intrusion detection mechanism.*

***Keywords***- Internal Attacks,Self Monitering, System, Finding.

## I. INTRODUCTION

Intrusion detection basically refers to an act of detecting network system for malicious or harmful activity. It is an application which tries to identify and rise an alarm/inform if any suspicious activity is tracked and observed. However we have propose a security system, named “Self Monitoring System for finding internal attacks" based on Data Mining.We are going to use data mining techniques to identify internal intruders and take action accordingly.

Intrusion activities or breaches are usually reported to the administrator or centrally logged using security information and incident management systems. Intrusion detection systems are the older of the two systems, identifying and logging violations, sending alerts to administrators, and with SIEM (Security Information and Event Management). Used offline or out of bandwidth to report violations to a central repository called.

## II. PROBLEM STATEMENT

Security has been one of the serious problems in the computer domain since attackers very usually try to penetrate computer systems and behave maliciously to authenticate users. To solve this issue we propose a security system, which detects malicious behaviors launched toward a system.:

## III. LITERATURE SURVEY

Author: 1. Bassam Sayed, 2. Issa Traore, 3. Isaac Woungang, Mohammad S. Obidat. Description: Mouse Dynamics Biometrics could be a behavioral biometrics technology that extracts and analyzes the behavioral characteristics of mouse data input devices as humans interact with graphical programs for identification purposes. Most of the current research analyzing mouse dynamics focuses on continuous authentication or user re-authentication with promising results. On the other hand, static authentication using mouse dynamics (at login) seems to have some problems due to the limited amount of information available. Can be reasonably collected during such a process. This article introduces a new mouse dynamics analysis method that leverages mouse gesture dynamics for static authentication. Score the detected gestures using a neural network classifier with learning vector quantization. We conducted an experimental evaluation of the framework on 39 users and achieved a false acceptance rate of 5.26 and a false rejection rate of 4.59.

This detection usually indicates that an attacker has launched an attack that exploits a flaw in the system. For certain protocols, running such an exploit, if present, is of great value to the security of the computer. This can be due to both speeding up the way exploit evidence is collected and helping to take action to prevent another exploit. For example, you can design and deploy appropriate attack signatures to maintain your intrusion detection system. This task, called intrusion detection, is very difficult because the length of the problem is overwhelming and it is difficult to pinpoint where the exploit occurred. This study provides an approach to intrusion detection that eliminates repetitive behavior and accelerates strategies for detecting the execution of intrusions. The classifier that distinguishes between normal and abnormal behavior can be the heart of an intrusion detection system.

## IV. MOTIVATION

The main aim is to Catch unauthorized activity in workspace in very less time.Capture the Photo of unauthorized Person.

Getting Screenshot of unofficial Activity. Send all this data to Admin.

## V. EXISTING SYSTEM

Several information security techniques are available today to protect information systems against unauthorized use, duplication, alteration, destruction and virus attacks The main purpose of a firewall is to prevent unauthorised access between networks. That means protecting a sites inner network from internet. But disadvantage of firewall is that a firewall looks outwardly for intrusion in order to stop them from happening. Firewall limits access between networks to prevent intrusion and do not signal an attack from inside network.CCTV Camera – Using CCTV Camera we Can keep watch on people but we can not monitor the System Activities in Details.

## VI. CONCLUSION

We are going to Develop the system that prevents and alert intrusion attacks and our system. We have various modules that store and keep track of all the users in system. All the users' activities will be monitored and get recorded in log file. If system finds the abnormal activities .i.e. the activity which matches with the activities restricted for the user, then system will generate an alert message to the admin. System has self monitoring function that means it continuously keep on monitoring the user activities

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