

# External Hard Drive Detection System

Project Members :-

1. PRATIK SHARMA (60)
2. IMRAN TASGAVKAR(66)
3. TEJAS WATAMWAR (71)

# Introduction

- ❖ This program runs on a Client Server based system.
- ❖ External hard-drive detection program detects any external hard-drive connected to the client.
- ❖ This is an attack prevention system, where user identifies an attack before it happens.

**What is this  
system mainly  
for?**

# Working

- ❖ Once you connect the client to the server ,client continuously sends TCP packet to the server.
- ❖ As soon as there is change in external harddrive count ,it gets detected on the server
- ❖ The count on the server side changes along with several details that get displayed like :Time of connection, ip address of the client to which the external hdd is connected.

# Prerequisites

- Jdk1.8.0\_80u
- Jre 1.2.0\_102
- Client
- Server

---

# Procedure for Server side

1. Run Server side program first
2. Create a server
3. Type a server name
4. Start the server by pressing “Start Server”
5. It will show Client name, Address of client and the number of hard drives connected to that client
6. After pendrive is inserted the hard drive count is increased

# Procedure for Client side

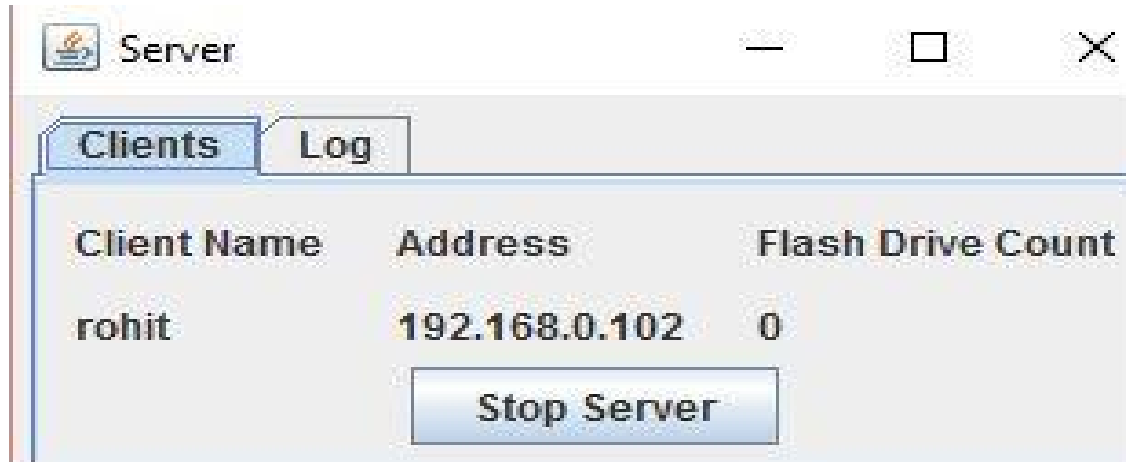
1. Run Client side program after server side is run
2. Type name of client
3. Search for the server you want to connect
4. Name, address and port are shown to the client
5. Insert any hard drive at client side
6. Once inserted the count at the server of hard drive is increased

# How to catch the attacker?

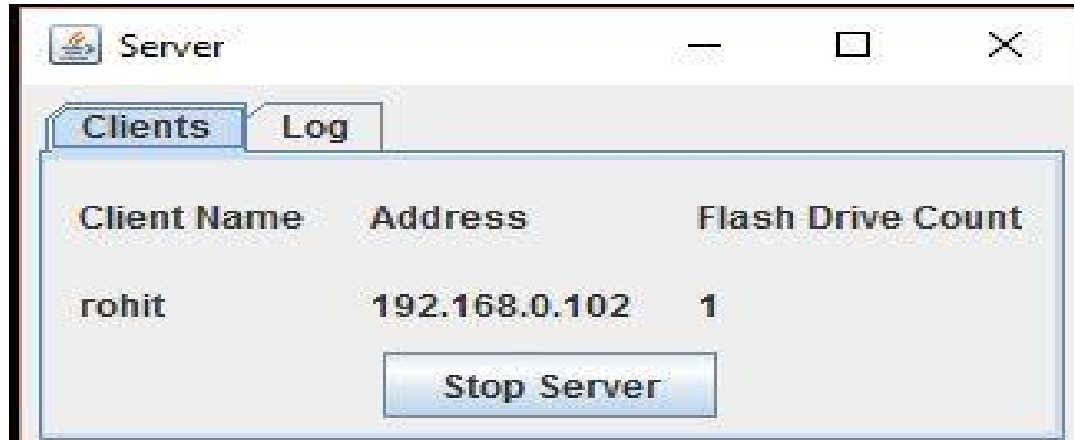
- Once the count at the server for the hard drive is increased it can be said that, the server has chances of being attacked.
- As soon as there has been detection the address of the client can be noted and the client can be caught.



# Count Before connection



# Count incremented after connection



# Features

- Easy implementation
- Uses open source platform
- Can be used in any operating system
- Multiple clients can be connected

# Conclusion

Thus the hard drive detection system has been implemented on java and we can detect any external hard drive on the Server.