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XPLOITER-KEYSTROKE ANALYSER

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ABSTRACT
Project develops a windows application called key stroke analysis. Key logger is an application used for action of tracking the keys whenever user presses keyboard, keyword strokes are captured in converted manner so users are unaware that their actions are monitored. This software also contain that action of capturing the desktop if a person is using the mouse or joystick instead of keyboard that can ultimately be stored in a hidden log _le that log _le is being viewed by admin- istrator only. It can be accessed by administrator only. This technology can be used for _nding out all the sites and _les which are being accessed by any person in the administrator's absence. The project can be used for proper identi_cation and authentication. The typing dynamics can be used for di_erent user pro_les. Thus this becomes a valid tool for ascertaining personal identity.

KEYWORDS: key logger, keyword strokes, application monitor, web activity monitor

INTRODUCTION
This application can run for an inde_nite amount of time while the information is being transmit- ted remotely eliminating the need to personally obtain the information it will have a log _le of all the activity performed by user. This will enable administrator to monitor their systems and will be able to track all the activities going on in their system without alerting the user. Hence all illegal activity can be tracked and eliminated. There are two main goals of this project,
1.To develop the key logger. Implementing the software with the tasks involved.
2.To avoid an attack (Security Awareness). Measures implementing the attack from occurring.

MATERIALS AND METHODS
Proposed System
Fully UnDetectable (FUD) software by which user is unware of the activity being tracked. Deletes captured data from system automatically also sends logs to remote location via mail. It has 2 modules active window screen capture. Our keylogger will be targeting the browser application such as Google Chrome, Firefox process in users system. However, it is not limited to these two browsers only it can be adjusted to any other popular browser with minor alterations to the source code. The keylogger is structured as a client-server model.
1. Client
2. Server

Client
The client consist of a library: (library.dll) and an executable (loader.exe). The library con- tains most of the client-sided keylogger code as well as an add-on to allow admins to spawn a shell on the user and execute commands remotely. More speci_cally, once the library is loaded in the target process, it will intercept any calls to theWindows API function, and _lter/log any key press messages. These messages are then saved to a temporary log _le which is then uploaded to the server once the _le has enough key presses collected. The advantage of injecting a library function in a process instead of having a standalone executable to do the keylogging are obvious. First, any packets generated by the keylogger will seem to be coming from the target process (browser.exe) in this case. Second, a library will not show in the task manager like an executable _le.

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The loader executable performs a simple task: load (inject) the library to the target process (browser.exe) and exit. The loader waits until the target process is running to perform the actual injection.

Server

The server consist of PHP scripts that facilitate the viewing and uploading of keylogger logs. The keylogger client uses the script upload.php to post the log _les to the server. The upload.php script takes care of saving the _le and remaining it for easy access later. The server provides the admin a single place to look at all the keylogger clients logs and the date on which they were uploaded. The keylogger client library is always attempting to connect to a prede_ned IP address and PORT in order to allow listening program full access to a shell in the users system.

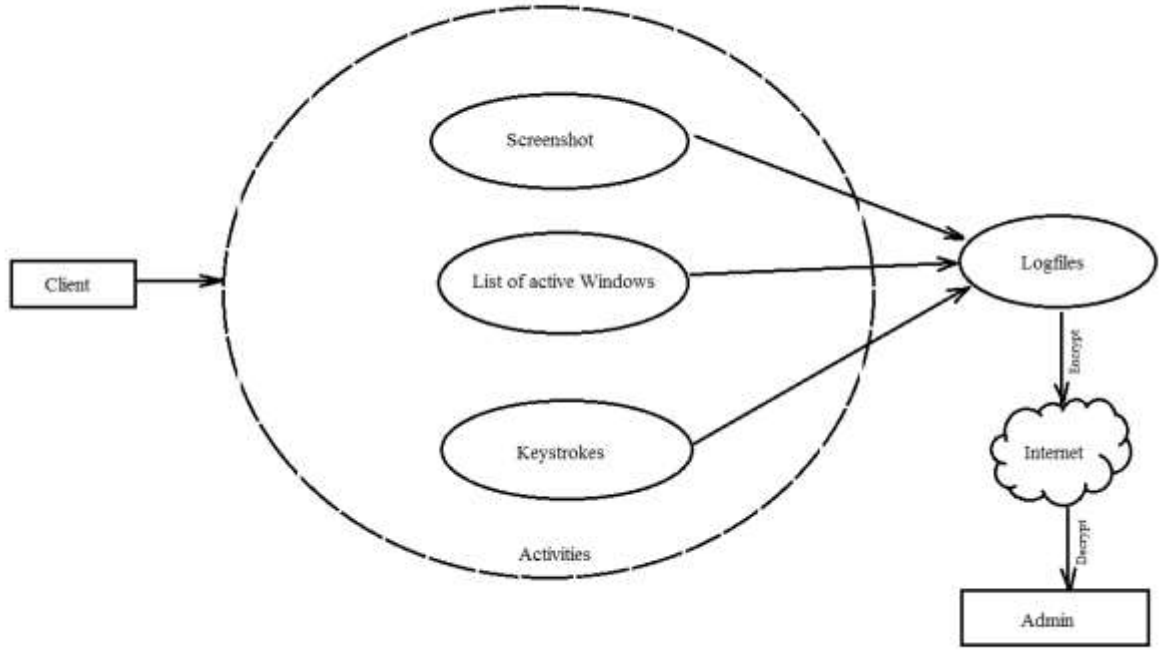
Hardware Requirement

. Minimum 2.4 GHz Dual-core processor
. Minimum 4 GB RAM (8GB-Recommended)
. HDD-16GB

Software Requirement

. Python 2.7
. Py2EXE Converter

Figure:



RESULTS AND DISCUSSION

Parental control as parents can track what their children do on the Internet, and can opt to be notied if there are any attempts to access websites containing adult or otherwise inappropriate content. Company security that is tracking the use of computers for non-work-related purposes, or the use of workstations after hours.using keyloggers to track the input of key words and phrases associated with commercial information which could

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damage the company (materially or otherwise) if dis- closed. Other security (e.g. law enforcement) which by using keylogger records to analyze and track incidents linked to the use of personal computers.

Algoritm:

- **Create an Empty log file for storing key logs.**
- **Intercept keys pressed by user.**
- **Store these intercepted values in file.**
- **Hide the Running Window Dialog to make it undetectable.**
- **Use while loop to make it running in all conditions.**
- **Add function to reduce the CPU usage to 0%.**

Table:

Sr No.	Website	Advantages	Research Gaps
1	http://www.actualkeylogger.com/	Logs of applications run and close and Keystroke logs	No trial versions.
2	http://www.spyrix.com/	Remote monitoring available and screenshot capture feature added	Logs Folder accessible
3	http://www.refog.com/	Configuration warning message and easy access by typing specific keywords	Hotkey access missing and automated clearance of log file not availbale

Literature Survey

CONCLUSION

Although Keyloggers have bad reputation, the project shows how this software can be used not always in amalicious way of action. At company level keyloggers can be used tomonitor any suspicious activity that may cause liability to the company's bene_t. Another legal way of using keylogger is in a closer and more personal level, home.

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