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Remote Mobile Tracking Application Using Android Spy

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ABSTRACT: In this 21st century the use of mobile phone is spreading wildly. There are 90-95% people use android devices. They perform various activities related to formal and informal life. Likewise in IT industries, small scale as well as large scale, organizations, educations etc. They are having their own projects on which they work secretly. The proposed plan "Remote Mobile Tracking Application Using Android Spy" is the android application which spy on any targeted user and retrieve its call, messages. This application not only retrieve call, messages and location. It will also retrieve whole conversation of the targeted device and store it on the secured server. This server is also protected by the authentication and encrypting data which was hacked from the targeted device. Server will handle by the hacker. The application "Remote Mobile Tracking Application Using Android Spy" having the main feature that this application is invisible. Application is getting combined with the game which is installed by the enemy on his device. "Remote Mobile Tracking Application Using Android Spy" is helpful in defense, industries and normal life.

KEYWORDS: android device, messages, call recording, server, game.

I. INTRODUCTION

Today mobile phone is one of the most recent things you can carry with you everywhere all day long. It's not just for communication purpose but also helps you store and manage so much information. The Name "Remote Mobile Tracking Application Using Android Spy" suggests the device which is on remote location that is targeted device is going to track by the hacker or admin. The application "Remote Mobile Tracking Application Using Android Spy" is implemented in android as a front end and Microsoft SQL server management studio 2008 is used for server. The application is developing in android because now a day's android is everywhere and it is also easy to implement in application development.

"Remote Mobile Tracking Application Using Android Spy" is the application which is going to use as a Trojan which will use for hacking the calls and messages of user and does not affect the system. Main feature of this application is it will bind with the game. At the game installation time same service also gets installed in background without the knowledge of user. The application does not generate the .apk file. Game will ask for the registration that is mobile number and user name. After the installation once targeted user connect with the internet his mobile number will store on the server of hacker which is secured server by authentication as well as encryption technique which will apply on the data retrieved by the enemy. After connecting with the internet call, messages content as well as call recording will store on the server. Hacker again have the another application on the side to fetch the data from the server. This list features some of the more creative uses of smart Android devices from sending secret messages or calls to tracking down someone's information.

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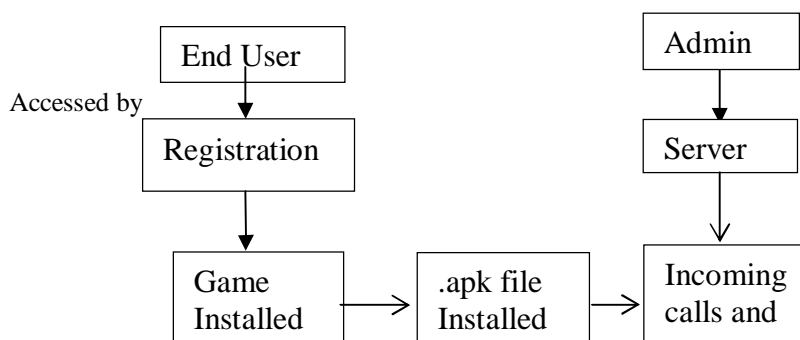


Fig 1. Work flow of "Remote Mobile Tracking Application Using Android Spy".

II. RELATED WORK

In existing system they have involved some features:

1. [7] The system tracks the movement from responsible employee's mobile phone and sent through Wi-Fi to the authorised person
2. [1] Incoming call, outgoing call, responsible employee's current location can be tracked and sent to the Authorised person's phone.
3. Data will be stored on the E-mail.
- 4.[7]If responsible employee crosses the company's location say latitude and longitude then an alert will be sent to the authorized person of company with exact location, name, and mobile number of responsible employee

Existing system have some drawbacks:

1. Less details of calls and messages.
2. Only content regarding call and messages has stored.
3. Some applications are Wi-Fi based if Wi-Fi get stopped then data will not reach to the admin.
4. Wi-Fi connection is necessary and targeted system must be in range.
5. Some system is Bluetooth based for that Bluetooth should be on of targeted system.
6. No security is maintained on the storage.
7. It is hard to put the application on targeted system.

III. PROPOSED WORK

Proposed work is an application which is bind with the game and that's why it is invisible. We bind it with the game because it's very is to put application on another device with the game. Because it is bind with the game no one can recognised the tracker. We can put it on the Google play store or by sharing the game we can easily install this application to keep eye on the targeted device. This application will retrieve call logs (incoming and outgoing) and message log (incoming and outgoing) as well as it will retrieve the call conversation recording of device and store it on the secured server. The data will store on the server securely because in proposed system we are providing the encryption technique by AES algorithm. That's why security of data gets maintained as well as we are providing authentication to the server to access the server by authorized person. Admin will fetch the data from the server by its application which is already store in his device.

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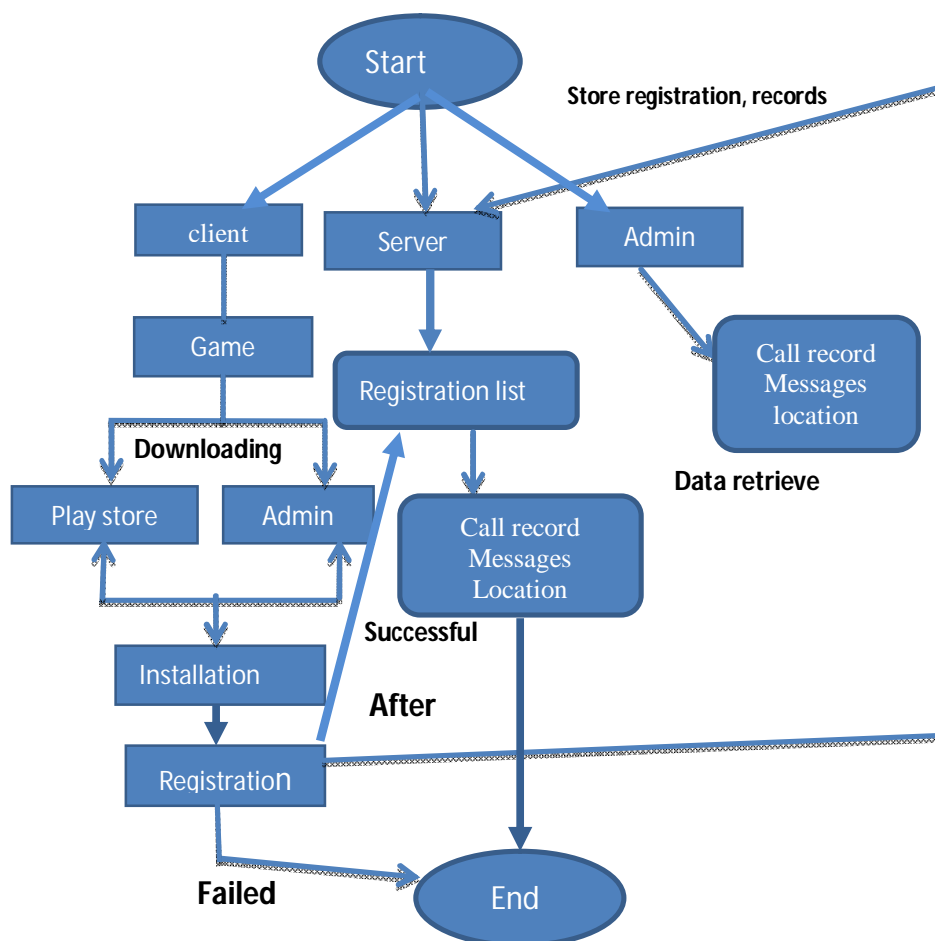


Fig 2:Workflow of application

The application development required android programming by using eclipse or android studio as the IDE and Microsoft SQL management studio 2008 to maintain the database on the server. Game is required to bind the application with it.To fetch the message log and call log some permissions are required from device like :

1. Android.permission.INTERNET.
2. Android.permission.READ_CONTACTS.
3. Android.permission.READ_SMS.
4. Android.permission.WRITE_SMS.
5. Android.permission.CALL_PHONE.

Etc. Permissions are required to fetch the data from another android system.

Server security:

To keep information secured on the server which is fetched by the admin from targeted system we provide the security to the server that is authentication and encryption. to encrypt the data we are using here AES algorithm.it will fetch the data in encrypted format and store it as it is.when admin will fetch the data he will receive in decrypted format.

1. SubBytes: every byte in the state is replaced by another one, using the Rijndael S-Box
2. ShiftRow: every row in the 4x4 array is shifted a certain amount to the left
3. MixColumn: a linear transformation on the columns of the state

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4. AddRoundKey: each byte of the state is combined with a round key, which is a different key for each round and derived from the Rijndael key schedule

This four methods are used to encrypt and decrypt (byreversing steps) of data.

IV. OBJECTIVE

Objective behind“Remote Mobile Tracking Application Using Android Spy”is to track the user’s daily mobile activity regarding message and call logs and send all the status to the administrator and also log will be maintained to the centralized server where users belong to student, employee, officer, kids, and others. The user will know nothing about mobile trackers operate in a stealth mode and people cannot detect them.

The tracked data by the users will store in the server in encrypted format. And to open the server authentication is required. Main purpose of this application is to keep eyes on targeted system for any purposes.

V. SIMULATION RESULTS

Application on targeted user’s device:



Fig 3: game registration

When game will install on the targeted device it will ask for the registration name and number then application will send it to the server and store it in the database.

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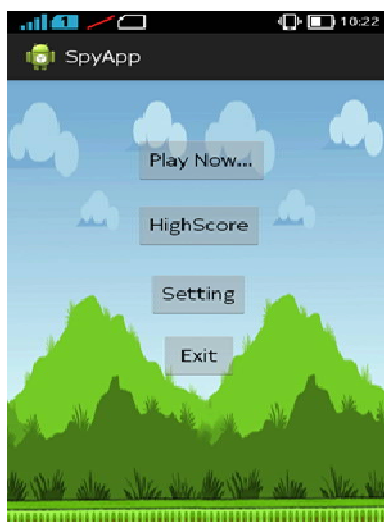


Fig 4: Dummy game

This is the dummy game which we have to install on the targeted device .After uninstalling the game our application service will also get stopped.

Server page:

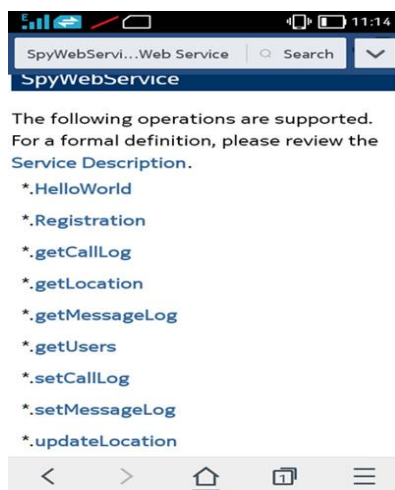


Fig 5: server home page

This is the server page which will handle by the hacker or head of the organization. On the server page there are some links to store the information sequentially. After clicking on the particular link user can get easily all the information.

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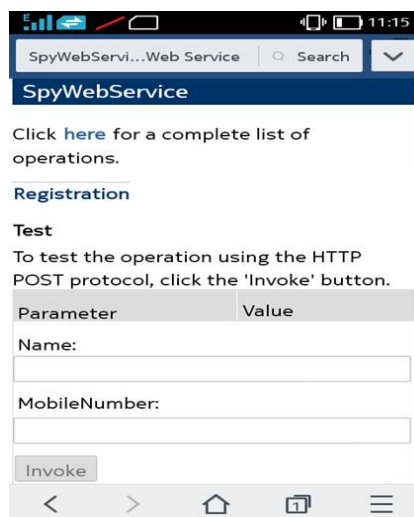


Fig 6: Registration page

Registration page will contain the information of registered users which will store at the time when targeted system will register him while installing the game.

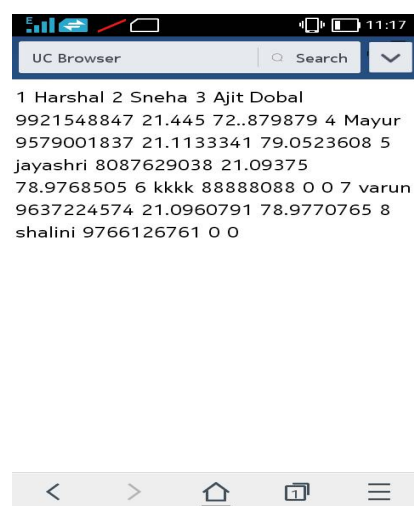


Fig 7: Get Users.

Get user page will give the information of all the registered users with its location and registration details. It will store on the database which is present on the server.

VI. CONCLUSION AND FUTURE WORK

“Remote Mobile Tracking Application Using Android Spy” is used to retrieve the call logs and message log as well as location of targeted system and store it on the secured server which is secured by encryption technology using AES algorithm and authentication as well. Admin will retrieve that information by using application which is installed in his mobile. Application is combining with the game that’s why it is hard to reach to that service and it becomes hard to detect the admin or hacker. Proposed system will help admin to keep eyes on the remote location system for any



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purpose.in the future we will try to implement advance application which will take the screenshots of targeted device as well as it will send all the data of social networking site which is installed in targeted system.

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