

Review on Methods used in Remote Mobile Access

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Abstract— Use of mobile phone is increasing in our day to day life tremendously. Hence the continuous use of a mobile has proven to be the helping hand. In certain cases, if a user is not in regular intact with it or unable to access it, then providing a remote access service would be beneficial and of great importance. The use of remote access is necessary when the mobile phone is left at someplace or lost and we want to retrieve some information from that mobile phone. In this paper, we have reviewed various several techniques which are used for remote mobile access.

Keywords-SMS broadcasting service, remote mobile access, ping.

I. INTRODUCTION

Remote access is methodology is termed as using the various services, which a particular user wants to perform statically on a single device with no human interference. Using this service various users can perform the activities which can reduce the human efforts and with more ease. Remote access services can be enabled between devices like PC's, mobiles and the other devices using the services like Bluetooth, SMS, Internet and etc.

The existing applications like TeamViewer, Droid VNC are used to perform remote access between smartphone and computer. These applications require continues internet connection between two devices which are performing the remote access. The working of these applications can be performed

on a desktop and a mobile using remote access services. The only drawback of these applications is that they cannot perform the various operations between two mobile devices.

The existing applications which contain the remote access services are not meant to be just providing the services between PC to PC and PC to mobile they cannot enable the remote services between to mobile devices. The other applications require a larger amount of memory space which reduces the efficiency and working of these applications. The application that makes the use of GPS as a service provider requires strong network [5].

II. SYSTEM ARCHITECTURE

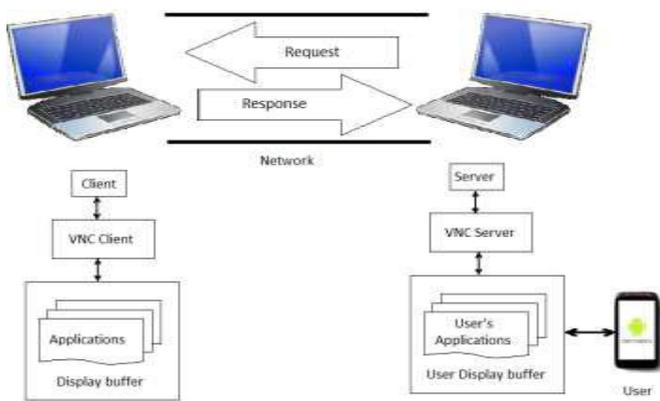


Figure: Existing system architecture

In the above figure, user interact with the system using VNC server through user's application on accepting a request the device proceeds that request to client side and after verification, the user can interact with the client through a mobile device.

III. LITERATURE REVIEW

In paper [1], the author has proposed a system to remotely control home appliances such as fan, LEDs and stepper motor connected to the personal computer by making the use of Bluetooth-enabled mobile phone.

In paper [2], the author has proposed a system to improve anti-theft security. Once the SIM is changed by the thief then the application will start taking the snapshots and record the videos without the user permission and sends the MMS to the alternative mobile number and email Id which was provided during the installation. As the MMS is created it takes a large amount of space.

In paper [3], the author has proposed a system which is a device control protocol that solves the

problem of the compatibility of the connections between the device and the smartphone. This protocol has made it possible to control the various device by making the use of application through the smartphone.

In paper [4], the author has proposed a system based on android mobile phones for accessing desktop computers from the android mobile phones through the Internet. For this system, both of the devices i.e. android mobile phone and desktop computer must be connected to the internet.

In paper [5], the author has proposed a system for providing the anti-theft security and changing profile modes like a ringer, vibrator, silent and tracking the mobile through GPS.

In paper [6], the author has proposed a system for tracking stolen android mobile phones using short message service and GPS. A tracking system based on short message service will consist of a notification whenever a SIM change will occur in stolen mobile phone. A tracking system based on GPS will record the location of the mobile phone and sends it to the alternate mobile number.

IV. CONCLUSION

We have studied different remote access methods with which it can be reviewed that the remote access services can be provided between two different devices like home appliances, PC to PC, PC to mobile, mobile to PC but not present between two mobile devices with this we can conclude that using the methods like GPS, Bluetooth, internet,

MMS along with SMS we can enable the remote access between various devices.

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