



Design and Enactment of Android Based LAN Monitoring System

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Abstract: The increasing demands and use of computers in universities and research labs generated the need to provide high speed interconnections between computer systems. This paper represents how a computer or multiple computers connected in a network i.e. LAN can be monitored from remote place with smart phone device i.e. Android phone with the help of Internet (GPRS/WiFi). It is basically an Android based Mobile Application for keeping an eye on a Targeted PC. All the applications running on the computers will be monitored by the hand held device. Also admin can see the log files of targeted PC from anywhere provided that the WiFi /GPRS is enabled. This paper describes how the application can be used in various sectors such as colleges, government sectors, industries etc. and also gives the overview of client server architecture.

Keywords:- LAN, Android, WIFI, GPRS, Admin, hand held device.

1. Introduction

The Generally LAN is a PC network which inter connects laptops inside a limited district. These computers are related to the server. This is nothing but client server mechanism. The computers connected in LAN are monitored by server. When admin wants to see the nuances of laptops in LAN, he really want to present around there. In any case, through our application director will see the details from remote spot. We encouraged the structure on android stage. In this structure the server is related with the and roid phone which screens the PC related in LAN from remote spot. An android phone will be held by executive. The application in the android phone will be gotten with client name and mystery key so manager can manage it. Thusly the information is gotten. The server is related with android phone through JSON parsing. Through JSON parsing objects are send, got and the information is achieved. As executive can get to the system from wherever, the structure ought to have internet access. Main inspiration driving the system is to give the detail information of LAN to manager. The components gave by the system are to get the available client list, to get the online/offline status of the targeted system and to get the history.

2. Literature Survey

"A Survey on Association Noticing and Association Using Email and Android Phone", paper communicates that using email we can develop different association utilities which are supposed to screen a LAN association effectively. It expects to cultivate an integrated software solution that allows a network administrator to remotely monitor his LAN network by his email account. But there are lots of downsides to screen and control the association using email and SMS. Cost of SMS matters an incredible arrangement and there can be connection problem in email [3].

"GSM Based LAN Really taking a look at Structure", paper shows a strategy which enables clients to control their LAN network from remote place using a cell phone based interface. To supervise and screen the control activities of association, the client should send an check SMS close by the required/needed ability/movement SMS to his/her server system through Overall Structure for Mobile correspondence (GSM). In the wake of being suitably affirmed, the cell based association

point would move the orders to a server structure that would do the normal job/action, and return a capacity satisfaction SMS that would be delivered off the administrator (user's cell phone)[6].

3. Existing System

GSM/SMS Based LAN noticing can actually look at network by sending messages from wherever using GSM modem. Admin sends his requesting to the server through GSM modem. GSM modem is the middleware between admin and cut off. Cut off identifies client. It sends sales to the client and get response back from client. Then, at that point, server will send response to chairman. The SMS consists flexible no. of executive, client name and movement to be performed. Anyway, there are various disadvantages of GSM based LAN monitoring system. These may be cost of SMS is high and failure may occur due to low balance also due to the unavailability of SMS service.

4. Proposed System

The structure is broadly isolated into clients, server and android phone. The laptops are related in LAN. The clients are connected to the server and server is further connected to and roidphone through JSON parsing. When admin requests to getting information through his and roid phone, the request will be send to the server. The server will fetch information from clients and sends it to the and roid phone. We are implementing the system using and roid. Because and roid provides easy user interface and helps to make astute Gui's. The components covered by system are view client list, view process overview and view logs. When admin will pick the fundamental part for instance view client list, all clients available in the LAN will be displayed on android. If admin wants to see process once-over of any client, he will pick the ensuing part. Accepting that head can't see the reports on clients PC due to unavailability of internet, in such cases admin will see the log later by selecting third feature.



Fig.1:ProposedSystem

5 Conclusion

We had done detailed survey on existing systems. From that survey we conclude that existing systems are not convenient. Thus we developed a new application on and roid platform because android gives easy user interface. The Android Based LAN Noticing Structure will screen the LAN from remote spot. It gives detail information of the network to head. Moreover the log archives of running cycles will maintained. Using log records we can get quantifiable assessment. With the help of it we also determine the power consumption, work load of computer sin LAN.

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