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Role of Patch to Enhance the Connectivity with Internet

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Abstract— The most difficult task in window is to connect it with web services. The server takes too much time to connect with the operating system and again the task get much difficult when the speed gets slow. By observing the problem we introduce “Network Booster Patch”. A patch will be added in a browser as an additional application to boost up the speed of internet when the connection gets slow or sometimes the browser says “Internal server error”. It is placed between client and server such that whenever speed gets decrease patch try to boost up the speed and thus troubleshooting problem may be decrease up to a certain level.

Index Terms— Network booster patch, Speed and performance.

I. INTRODUCTION

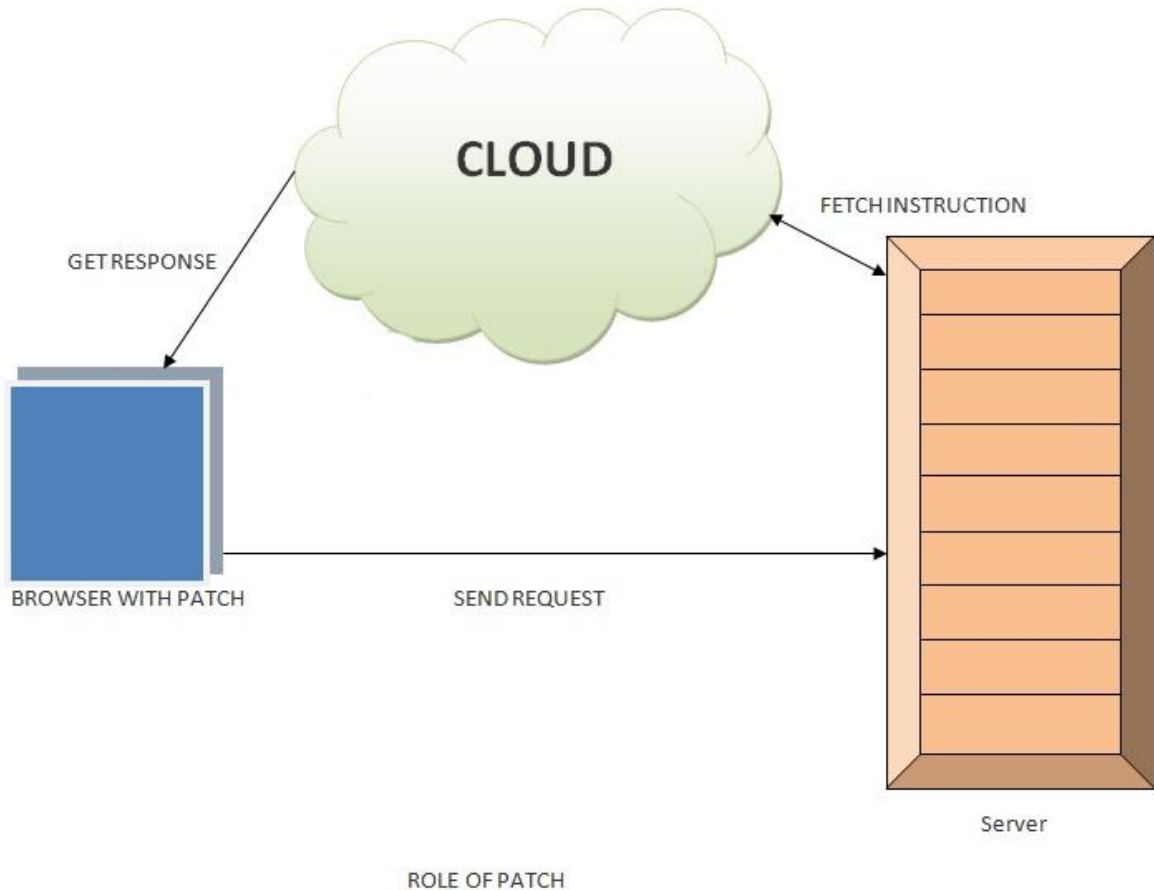
The life of today is fully depending upon internet. Today internet acts as a blessing for human being. Everything is connected with internet started from purchasing to selling of products. The first internet was started in 1969 with four computers called as **Arpanet**. Today, according to market scenario there are different types of windows available which support different type of browsers. After DOS, the first windows introduced were window 1.0 version which supports MOSAIC (Netscape) browser. The speed of ISP (Internet Service Provider) was 33.6 kbps which is quite slow. Later the application improved and today the idle speed of internet is 3GB data can be send just in 3 sec. But this is for the idle network which is quite expensive and can be effort only by few. The rest face the problem of internet like troubleshooting or internal server error which is still not resolved yet. Sometimes the internet faces so much of troubleshooting problem that the system is no more remains user friendly. So to resolve the problem of troubleshooting introduce "Patches". A patch is a kind of software which is used to increase the speed of internet and reduce the problem of troubleshooting with free of cost. A patch is not a new concept. It is used already placed in browsers but basically patches are used for security purpose and upgrading the versions of browsers till today. There are three browsers which used patch for security purpose are- Mozilla, Internet Explorer and Google Chrome. The proposal is by increasing the feature of patch with addition to the security it increased the performance and speed also such that browser can be more efficient. This concept was used already in mobile application for gaming application.

II. PATCH ATTACHMENT

A patch is software which is used to fix the problem of other application. Patch also support or upgrade other software. There are many different kinds of patches are available in the market like network security patch which is used for detecting threads that come from internet, other patch that used to update the versions of browsers. It is divided into two parts some patches used partial upgrading and some used full upgrading. Now we propose another feature of patch which is used for network boosting. Using patch we try to improve the performance of browser. The browser when connect with the web services many type of problem occur like troubleshooting, slow speed of internet due to which receiving data become less. A time also occurs when the speed becomes zero internet finally get disconnected. So here an idea of patch started as such, firstly the browser will analyze the average speed of bandwidth for few hours. Afterwards, when the speed started decreasing and come to the half of the analyzed average speed then the patch started working. The patch will try to boost up the speed of internet and thus there is a situation came when the speed became constant because the patch will boost the speed continuously. Here, patch act as a network booster at the situation of decreasing the speed and thus the speed became constant at certain level. The main legacy is the speed decreases and patch try to increase the speed and thus a balance will form that maintain a speed level and through which speed became constant. Now the question arises, where to place patch? So the answer is Patch as software is placed between client and server. When a client sends a request to the server and server gives the response. In between server and client there is an Internet Service Provider which gives speed

to send and receive data and thus speed comes to system. So the idea is patch is placed in browser as an additional feature such that the patch will boost up the upcoming speed of the internet. A patch will act as an additional feature in every browser.

The benefits of patch are shown in online transaction when the user purchase product like online recharge. After filling all the details the user has come to the payment mode and pay the amount. Then due to troubleshooting problem or server error the amount is deducted from the ATM but the mobile did not get recharged. This is the most common problem faced by the user. So here patch act as the network booster that the speed remains constant and the due to which the there is a less chance of getting failed of transaction.



III. TECHNICAL REVIEW

The speed of internet is the most relevant factor today. Internet service provider is responsible for the increasing or decreasing the speed of internet. When clients request the server the Internet service provider send the connectivity from client to server in the form of data packets. And vice- versa from server. Server sends the response to the client in the form of data packets through Internet service provider. But there is some interrupt like window absorbs some of the speed of internet. It is analyzed and proved scientifically that, the idle sent by Internet Service Provider to router is 100kbps. The window absorbs 30% of its real speed thus 70% of the remaining speed is provided to the user for their usage. The speed which window absorbs was used for updating the window, updating software and many other purposes. The benefit of absorbing the speed can only be viewed when window and it's other applications automatically signifies that a new version of particular application has launched and asked user that would he like to install a new version and update his application. But as said everything has some pros and cons it also has. The speed gets slow of the internet due to which user has to face some minor problems occurred during surfing.



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IV. CONCLUSION

Thus patch plays a significant role in increasing the speed of internet. In next few years patch will become more powerful because with the development of technology. Every application will be going to run on cloud. Applications have their own frequency and bandwidth speed. Thus with the help of patch the speed of internet increased which will help people for better usage of internet. New features will be added in patch after security, and efficient performance is the future scope of patch

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