

Review on Network Control and Management

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1.0:- Abstract

As the title of my topic suggest that I am goanna talk about Network and its management. It looks quiet, simple and easy but it is 1000 times more complicated to understand. Now days it is the leading technologies among all the technologies discovered in past decades.

Let us know about what is network and how can we manage it.....??

So, according to me in simple words network is just a connection as it connects two or more peoples, it becomes network of people. According to me network is everywhere in our day to day life. It is managing our all works and reduces life burden.

Let us take an example to understand this: -

A company owner wants to expand his work. So, he decided to open a new branch in Mumbai. Presently he is living in Delhi and his office also in Delhi. But a problem come to him, that would he manage all his work by living in Delhi. So, he decides to use a network. He made a network of 5 – 6 people and started his business. Some of his Employees settled down to Mumbai and manage his work connected to each other and with guidance of his Boss.

Key words:-Networks, Technology, communication

This is only the network connecting peoples from one place to another is known as

Network. In computer industry, when two computer s are connected to each other and

Share their files are known as computer network and in common language called Net.

Network is managing our work in every field and aspects. Our mobile phones, television, phones, metro, radios, etc. These all devices work with the help of network team.

2.0: Introduction

As we all knows about the Network and the process but I would like to tell you that the process we used to manage the networks to do certain jobs or tasks is known as network management. For example: - An Aero plane is departed from Airport but we connected to it even in the air without any use of wire, this is only known as network and its management. The management of networking has been made very easy now days.

3.0: Theory

As we hear the word networking, the first fictile came in our mind i.e. sharing. So, if we don't have to share then networking has no use for us and if we have something to share then networking is everything for us. Networking is not a new concept.

We know it since the computer first computer was designed i.e. by abacuses. At that time, we were using network only for sharing abacuses with other over the time abacus has become computer and networking becomes more sophisticated.

However still we are using networking for some purposes i.e. sharing of files from one computer to another computer, connect from one people to another people of different cities, etc..... For achieving these goals, we are using electrical cables, optical fibers and wireless radio signals which are used in radios and other wireless devices such as routers, Wi-Fi range extenders, etc.....

For networking in computers, it needs the devices which are used to connect the computers and that device named as “Hub Bridge”. We can connect 1000’s of computers by using some devices. For example, by Internet we can send large number of files, data, audios and videos to any other person who is living in any other corner of the world. Networking has made the world very small.

During the data transmission, it is not compulsory that sender and receiver are the one. It may be one or more than one sender and receiver. During the data transmission, sender break the data files into small places is termed as “Segment”.

Each segment is properly wrapped with network information. Packets are sent to the receiver through the network, where they are reassessed.

The devices are switches, routers, hub bridges. These devices play an important role in networking.

It allows the mainly three things. All the work that is done by with the help of networking comes under three categories. The three categories are: -

- Information sharing.
- Sources.
- Application sharing.

Now, we all are able to understand the views of networking and the main important thing is that if our basics of networking management are clear in our mind then it is so simple for us.

Along with that much uses of network, its problem in its management also arises very broadly.

4.0:-Problem

1. **File sharing:** - If we have to share file from one computer to another computer, when we start the process to send the file from one computer to another computer through electrical cable but the cable takes longer time. This is due to large MB’s (Mega Bytes) files and this also takes longer time than expected.

2. **Transportation:** - If we are doing booking for railway tickets or flight tickets or bus tickets or hotel bookings or any other bookings and after that we have done the booking as per our plan and then at the payment page when we are going to do the payment, we have done the payment and payment is deducted from our account but we have not received the ticket details of flight, railway or any other booking so this problem also arises due to slow speed of networking.

5.0:-Conclusion

1. As we above studied, the networking management looks simple but it is not quite simple or easy.
2. We also studied that which device we require to transfer the file from one computer to another.
3. We have also understood by the example of company owner who wanted to settle his business in Mumbai city.
4. We have also understood about the data transmission.
5. We have also understood that there are three categories of sharing.
6. We have also understood by the problems of networking and management.

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