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COMPUTER_NETWORKS

ASSIGNMENT

ICMP & SNMP WORKING:

What are the services and working of SNMP?

Services:-

SNMP is a way for different devices on a network to show information with one another. It always devices to communicate even of the software. Without a protocol like SNMP, there would be no way for network menegment tools to identify devices, monitor network or determine the status of network devices in real time.

SNMP's client-server architecture has three following components.

- an SNMP maneger
- an SNMP agent
- a mangement Information base (MIB)

The SNMP maneger acts as the client of agents act as the server and MIB act as a database. When the SNMP maneger asks the agents to question the agent uses the MIB to supply the answer.

Working of SNMP:-

All day traffic is abbing and flowing across your network to find out

information related to this network devices. For example bytes, packets and the transmittect and reserved the no. of hits a web server, recreves. It works by sending message, called protocol data service. By using these requests, the database administering can virtually only data values. The product can either display and store the data on an administrations preferences. By collecting this data can help it professionals keep on the pulse. When threshold for same value are exceeded software can atleast system of this issues allowing them to drill system in to the data and troublesheet a solution.

What are the Services & working of ICMP?

Working of ICMP?

ICMP used by a devices like a router to communicate with the source of a data packet about transmision issues for example if a datagram is not delivered. ICMP might report this back to the host with details help discern where the transmission went wrong. It's protocol that believe

Unlike the internet protocol is not associated with a transport layer protocol such as ICP, UPP. This makes ICMP a connectionless protocol One device does not neet to open a connection with another devices before sending any ICMP message

Services of ICMP:-

The primary purpose of ICMP is for error reporting. when two devices conect over the internet, the ICMP, generates error to share the screening device in the event thenl any of the data did not get its standard dataform. ICMP protocol is to perform network diagnostics, the commonly used the terminal. The traceroute utility used to display the routing path between two internet devices. The journey b/w one router and another is known as hop. This can be useful fordetermining sources of network delay.

The ping utility is simplified version of the trancerute, A ping will test the speed of the destination and come back data to research its destination. It is still very useful matric for guaging the latency b/w two devices.