DATA COMMUNICATION

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How data is transferred through internet?
How data is transferred must
How data is mansjor. > When we click on a link that information is stored in packets.
> When we click on a link were
is stored in packets. > Each packet is limited in size, so the data > Each packet is limited in size, so the data > To add accordingly.
> Each packet is limited in size
> Each packet is limited or into is stored accordingly. > The packets are then labelled with IP address > Color Passiver's and Proxy Address.
> The packets are then labelled sign
Senders, Receiver's and Proxy Address. Senders, Receiver's and Proxy Address.
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LAN (Local Area Network).
Area Nelwork is used to comme
the computers, routers, private
orchanged within an office or bailang.
> Then the packets reach the Router.
> The Router provides the packets with the most
efficient and the fastest path.
> When the packets get out of this LAN, they
reach the Router Switch.
> A Router Switch is more faster and efficient
as compared to Router.
> The packets then reach the Proxy Server which
acts as a gateway between user and the
mernet. It is used for many functionalities
upon the needs and the company policy
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The proxy checks whether the URL (Wed address) of the packet is acceptable or not If it is acceptable the packet reaches the Firewall: Firewall is basically a barrier between private internet network and the public internet. It filters out the packets which contains viruses. It also protects a companie's sensitive data from being leaked on the internet. · Now another Router receives the packet and forwards it on the desired network If the packets reach this for in due time a "received message" is sent back otherwise a "timeout message" is sent back. · The package then finally reaches the internet and is transmitted across the globe through underwater lines. · At this point on internet there is very little security due to which many dangers are lurked. like The Ping Of Death The Ping Of Death is basically an oversized or malformed packet wed to crash or destabilized the network. Finally the packet reaches its destination where it may have to go through another firewall This Firewall terminates the ping of death

