

INTERNET & @-COMMERCE

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HOW THE INTERNET ACTUALLY WORKS

1



A company registers a domain with a registrar, and assigns that domain to reference a certain nameserver.

2



User types in a web address (domain) in their browser.

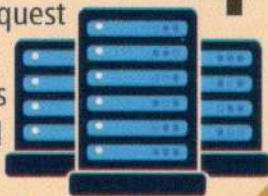
3



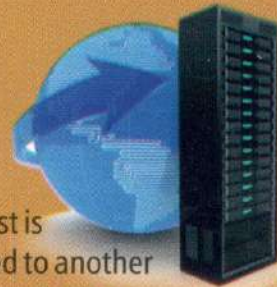
The request goes to their router (if applicable) and then to their modem.

4

The modem sends the request to the user's ISP, who checks their nameservers to find out where to send the request. Some users override their ISP's name servers by using something like OpenDNS.



5



The request is then routed to another machine that is the nameserver, which identifies if the request is related to email or if it is looking for a website. If it's website, it's routed to a data centre.

6



The datacenter then routes the packets of information to the destination server, which hosts the website.

8



The user's web browser receives the information and renders the HTML as a visual web page.

7



The host server then executes the request, and returns HTML code to the client PC (The User).

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