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**Welcome
To
Network for you
DNS Server**



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DNS Server:

- DNS Stand for Domain Name System or Domain Name Server.
- DNS translates **domain names to IP addresses** so browsers can load Internet resources.
- Each device connected to the Internet has a unique IP address which other machines use to find the device.
- DNS servers eliminate the need for humans to memorize IP addresses such as 192.168.1.1
- The Domain Name System (DNS) is the phonebook of the Internet.
- Humans access information online through domain names, like abc.com or google.com
- DNS is a large database, which resides on various computers in world.
- DNS (Domain Name System) is a network protocol that we use to find the IP addresses of hostnames.
- Computers use IP addresses but for us humans it's more convenient to use domain names and hostnames instead of IP addresses.
- DNS contain name and IP addresses of hosts on Internet and various domains.
- DNS servers match domain name to their associated IP address.
- DNS Convert IP address to domain name and domain name into IP address.
- DNS name are assigned through the internet Registries by the IANA.
- There are 13 root name Servers from a.root-server.net to m.root-server.net
- 13 DNS root name servers can be check on this link www.root-servers.org
- DNS primarily uses User Datagram protocol on port number 53 to serve requests.



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