How Does the Internet Work?





Dr. Shiv Ram Dubey

- 200 OK
- 301 Moved Permanently
- 302 Found
- 304 Not Modified
- 401 Unauthorized
- 403 Forbidden
- 404 Not Found
- 418 I'm a Teapot
- 500 Internal Server Error

. . .

HTTP/1.1 301 Moved Permanently

Content-Type: text/html

Location: http://www.google.com/

. . .

HTTP/1.1 301 Moved Permanently Content-Type: text/html

Location: http://www.google.com/

. . .

curl –I google.com

curl google.com

DHCP

DHCP (Dynamic Host Configuration Protocol)

DNS

DNS (Domain Name System)

nslookup facebook.com

URL

URL (Uniform Resource Locator)

World Wide Web (WWW)

- An information space
- Documents and other web resources are identified by URLs
- Interlinked by hypertext links
- Accessible via the Internet.

TCP

TCP (Transmission Control Protocol)

TCP/IP

TCP/IP

Application Layer Eg. WWW, FTP, IRC, Email, telnet, ... Transport Layer Eg. TCP, UDP **Network Layer** Eg. IP Link Layer Eg. Ethernet, WiFi Physical Layer Eg. Ethernet Cable, fiber-optics

22 SSH

53 DNS

80 HTTP

443 HTTPS

587 SMTP

View Go Window Help







http://275.3.6.28

