## HTTP Part 1

- Where your program
- protocols are application specific
- ssh: secure remote protocol
- ftp: transfer files

HTTP: Hyper text transfer protocol

- inlcuds all TCP benefits.

- status codes from 100-199 are informational

- status codes from 200-299 are succesful messages

- status codes

- 300s are redirects.

- 400s are errors

- 500s are server errors

Client Make requests Waits for a response Process Response Server Wait for requests Process requests Send response

HTTP/1.1 200 OK Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips mod_auth_gssapi/1.5.1 mod_fcgid/2.3.9 mod_nss/1.0.14 NSS/3.28.4 PHP/7.0.33 mod_wsgi/3.4 Python/2.7.5 Last-Modified: Fri, 25 Jan 2019 14:45:35 GMT ETag: "578-58049612f21c0" Accept-Ranges: bytes Content-Length: 678 Keep-Alive: timeout=5, max=100 Connection: Keep-Alive Content-Type: text/html; charset=UTF-8 Set-Cookie: BIGipServervenus_cs.app~venus_cs_pool=3033728149.47873.0000; path=/; Httponly; Secure Vary: Accept-Encoding Content-Encoding: gzip

- A web browser is client software that automates the process of creating and sending HTTP requests and waiting on and processing HTTP responses.