System Administration  Hyper Text Transfer Protocol  (HTTP)

Introduction
HTTP

System Administration

Web Client (Browser)

Request:
http://host:port/path/to/document

Web Server (Apache)

Response:
Document contents
or
Error message
URL Format:

```
http://host:port/path/to/document
```

- `http` is the protocol
- `://` is required separator
- `host` is a host name (DNS) or an IP address
- `port` is optional, default is `:80`
- `/path/to/document` identifies the requested resource
Web Server Virtual Host Processing (apache)

Request:
http://host/path/fold/document

Response

1. Find host match in Virtual Host list.
2. From Virtual Host, find Document Root
3. Build resource path from DocumentRoot/path/fold/document
4. If file exists, return it
5. Return error