

HTTP Methods and Basic Commands

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1. **GET**: Retrieve data from a server.
 2. **POST**: Send data to a server to create a resource.
 3. **PUT**: Update/replace an existing resource on the server.
 4. **PATCH**: Partially update a resource.
 5. **DELETE**: Remove a resource from the server.
 6. **HEAD**: Retrieve headers from the server without the body.
 7. **OPTIONS**: Describe communication options for the target resource.
 8. **CONNECT**: Establish a tunnel to the server.
 9. **TRACE**: Perform a message loopback test to the server.
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HTTP Status Codes

1xx: Informational

- **100 Continue**: Request received, continue.
- **101 Switching Protocols**: Switching to a new protocol.

2xx: Success

- **200 OK**: Request successful.
- **201 Created**: Resource created successfully.
- **202 Accepted**: Request accepted for processing.
- **204 No Content**: Request processed, no content to return.

3xx: Redirection

- **301 Moved Permanently**: Resource moved to a new URL.
- **302 Found**: Temporary redirection.
- **304 Not Modified**: Resource not changed since the last request.

4xx: Client Errors

- **400 Bad Request**: Invalid request.
- **401 Unauthorized**: Authentication required.
- **403 Forbidden**: Server refuses to fulfill the request.

- **404 Not Found:** Resource not found.
- **405 Method Not Allowed:** HTTP method not supported.

5xx: Server Errors

- **500 Internal Server Error:** Generic server error.
 - **502 Bad Gateway:** Invalid response from upstream server.
 - **503 Service Unavailable:** Server unavailable or overloaded.
 - **504 Gateway Timeout:** Server didn't respond in time.
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Common Command Prompt Commands

Basic Navigation

- **cd [path]:** Change directory.
- **cd ..:** Go up one directory.
- **dir:** List files and directories.
- **cls:** Clear the screen.

File and Directory Operations

- **md [folder_name] or mkdir [folder_name]:** Create a directory.
- **rd [folder_name] or rmdir [folder_name]:** Remove a directory.
- **del [file_name]:** Delete a file.
- **copy [source] [destination]:** Copy files.
- **move [source] [destination]:** Move files.
- **ren [old_name] [new_name]:** Rename a file or folder.

System and Network Commands

- **ipconfig:** Display network configuration.
- **ping [hostname/IP]:** Test network connectivity.
- **tracert [hostname/IP]:** Trace route to a network host.
- **netstat:** Show network connections.
- **tasklist:** Display running tasks.
- **taskkill /IM [process_name]:** Kill a process by name.
- **systeminfo:** Display system information.

Disk Operations

- `chkdsk [drive:]`: Check a disk for errors.
- `diskpart`: Disk management utility.
- `format [drive:]`: Format a drive.

Advanced Commands

- `sfc /scannow`: Check and repair system files.
- `shutdown /s /t [seconds]`: Shut down the system.
- `shutdown /r /t [seconds]`: Restart the system.
- `path`: Display or set the system PATH.
- `help`: Display a list of available commands.