



Basic Usage and Parameters

Making Basic Requests

```
http [METHOD] URL [item [item]] - Basic syntax for making HTTP requests.
```

Example:

```
http GET example.com - Sends a GET request to example.com  
http POST example.com - Sends a POST request.
```

Specifying HTTP Method:

HTTPIe defaults to GET if no method is specified. Other methods like POST, PUT, DELETE, etc., can be explicitly used.

Examples:

```
http PUT example.com/api/resource/1  
http DELETE example.com/api/resource/1
```

Including Headers:

Custom headers can be included directly in the command.

Example:

```
http GET example.com 'Content-Type: application/json'
```

Passing Request Data

`item` - Request data (query parameters, body).

```
field=value
```

String parameters in the request body or query string.

Example:

```
http POST example.com name='John Doe' - Sends a POST request with name=John Doe in the body.
```

```
field==value
```

URL parameters.

Example:

```
http GET example.com search=='my search' - Sends a GET request to example.com?search=my+search.
```

```
field:=value
```

Non-string parameters. Useful for JSON payloads.

Example:

```
http POST example.com age:=29 - Sends a POST request with age: 29 as a JSON field.
```

```
field:='[1,2,3]'
```

JSON Data. Sends a JSON array.

Example:

```
http POST example.com list:='[1,2,3]' - sends list equals to [1, 2, 3]
```

```
file@path
```

Attach files.

Example:

```
http POST example.com file@path/to/file.txt - Sends a POST request with the contents of file.txt.
```

```
field=@file
```

Read field value from a file (text).

Example:

```
http POST example.com token=@token.txt - Sets the token field to the content of token.txt.
```

```
field:@file.json
```

Read field value from a file (JSON).

Example:

```
http POST example.com user:@user.json - Sets the user field to the JSON content of user.json.
```

Working with Forms and Raw JSON

Submitting Forms

`--form` - To submit forms, use the `--form` option. This sets the Content-Type to `application/x-www-form-urlencoded`.

Example:

```
http --form POST example.com name='John Smith'  
cv@document.txt
```

Ensure correct Content-Type:

When submitting forms, HTTPIe automatically sets the `Content-Type` header. Manually setting this header might be necessary in some cases.

Example:

```
http --form POST example.com Content-Type:application/x-www-form-urlencoded  
name='value'
```

Sending Raw JSON Data

Piping Raw JSON:

You can pipe raw JSON data to HTTPIe for POST or PUT requests. This is useful when you have a JSON payload from another command or file.

Example:

```
echo '{"hello": "world"}' | http POST  
example.com/post
```

Specifying Content-Type for JSON:

When sending raw JSON data, ensure that the `Content-Type` header is set to `application/json`.

Example:

```
echo '{"key": "value"}' | http POST example.com  
Content-Type:application/json
```

Handling Different Content Types

HTTPIe supports various content types, and you can specify them using the `Content-Type` header. This ensures that the server correctly interprets the data you send.

Example:

```
http POST example.com Content-Type:application/xml < data.xml
```

Options for Output and Authentication

Printing Options

<code>-v</code> , <code>--verbose</code>	Verbose mode, same as <code>--print=HhBb --all</code> .
Example:	<code>http -v example.com</code> - Shows full request and response details.
<code>-h</code> , <code>--headers</code>	Print only headers, same as <code>--print=h</code> .
Example:	<code>http -h example.com</code> - Displays only the response headers.
<code>-b</code> , <code>--body</code>	Print only body, same as <code>--print=b</code> .
Example:	<code>http -b example.com</code> - Shows only the response body.
<code>--all</code>	Print intermediate requests.
Example:	<code>http --all example.com</code> - Shows all requests in case of redirects.
<code>--print=FORM AT</code>	Specify which parts of the request/response to print.
Example:	<code>http --print=HhBb example.com</code> - Shows request headers, response headers, request body, and response body.
<code>--pretty=STYLE</code>	Style for output formatting (none, all, colors, format).
Example:	<code>http --pretty=colors example.com</code> - Formats output with colors.
<code>--json</code> , <code>-j</code>	Response is serialized as a JSON object.
Example:	<code>http -j example.com</code> - Ensures the response is treated as JSON.

Session Management and Downloading

Session Handling

<code>--session NAME</code>	Create or use a session to store authentication and cookies.
Example:	<code>http --session mysession example.com</code> - Creates a session named 'mysession'.
<code>--session-read-only NAME</code>	Use a read-only session.
Example:	<code>http --session-read-only mysession example.com</code> - Uses 'mysession' in read-only mode.
Session Use Cases	Sessions are useful for maintaining authentication and cookies across multiple requests. They help simulate a user's interaction with a website.
Example:	<code>http --session logintest POST example.com/login username=myuser password=mypass</code> <code>http --session logintest GET example.com/protected</code> - Accesses a protected resource using the stored session.

Advanced Options

Authentication Options

<code>--auth USER:PASS</code>	Provide HTTP Basic authentication credentials.
Example:	<code>http --auth user:password example.com</code>
<code>--auth-type TYPE</code>	Specify the authentication type (basic, digest).
Example:	<code>http --auth-type digest --auth user:password example.com</code>

Downloading Content

<code>--download d</code>	Download the response body like wget.
Example:	<code>http -d example.com/file.zip</code> - Downloads <code>file.zip</code> .
<code>--continue c</code>	Continue an interrupted download.
Example:	<code>http -c -d example.com/largefile.iso</code> - Continues downloading <code>largefile.iso</code> .
<code>--output FILE</code> , <code>-o FILE</code>	Specify the output file for the downloaded content.
Example:	<code>http -d -o output.html example.com</code> - Downloads the content and saves it to <code>output.html</code> .

Redirection and Timeouts

<code>--follow</code> , <code>-F</code>	Follow HTTP redirects. Example: <code>http -F example.com</code> - Follows any redirects from example.com.
<code>--max-redirects</code> <code>N</code>	Set the maximum number of redirects to follow. Example: <code>http --max-redirects 3 -F example.com</code> - Follows up to 3 redirects.
<code>--timeout</code> <code>SECONDS</code>	Set a timeout for the request. Example: <code>http --timeout 10 example.com</code> - Sets a 10-second timeout.

SSL Verification and Proxies

<code>--verify</code> <code>no</code>	Skip SSL verification. Example: <code>http --verify no example.com</code> - Skips SSL verification (not recommended for production).
<code>--proxy</code> <code>PROTO:URL</code>	Specify a proxy to use for the request. Example: <code>http --proxy http://proxy.example.com:8080 example.com</code> - Uses the specified HTTP proxy.

Request Headers Examples

<code>Content-Type</code>	Sets the media type of the body of the request. Example: <code>http POST example.com Content-Type:application/json data='{ "key": "value" }'</code>
<code>Authorization</code> <code>n</code>	Provides credentials to authenticate with a server. Example: <code>http GET example.com Authorization:'Bearer YOUR_API_TOKEN'</code>
<code>User-Agent</code>	Identifies the client making the request. Example: <code>http GET example.com User-Agent:'MyCustomApp/1.0'</code>