SFML

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sf::Http::Request Class Reference

[Network module](http://docs.google.com/group__network.htm)

Define a HTTP request. [More...](http://docs.google.com/classsf_1_1Http_1_1Request.htm#details)

#include <[Http.hpp](http://docs.google.com/Http_8hpp_source.htm)>

| Public Types | |
| --- | --- |
| enum | [Method](http://docs.google.com/classsf_1_1Http_1_1Request.htm#a620f8bff6f43e1378f321bf53fbf5598) {  [Get](http://docs.google.com/classsf_1_1Http_1_1Request.htm#a620f8bff6f43e1378f321bf53fbf5598ab822baed393f3d0353621e5378b9fcb4),  [Post](http://docs.google.com/classsf_1_1Http_1_1Request.htm#a620f8bff6f43e1378f321bf53fbf5598ae8ec4048b9550f8d0747d4199603141a),  [Head](http://docs.google.com/classsf_1_1Http_1_1Request.htm#a620f8bff6f43e1378f321bf53fbf5598a4df23138be7ed60f47aba6548ba65e7b)  } |
|  | Enumerate the available HTTP methods for a request. [More...](http://docs.google.com/classsf_1_1Http_1_1Request.htm#a620f8bff6f43e1378f321bf53fbf5598) |
|  | |

| Public Member Functions | |
| --- | --- |
|  | [Request](http://docs.google.com/classsf_1_1Http_1_1Request.htm#a8e89d9e8ffcc1163259b35d79809a61c) (const std::string &uri="/", [Method](http://docs.google.com/classsf_1_1Http_1_1Request.htm#a620f8bff6f43e1378f321bf53fbf5598) method=[Get](http://docs.google.com/classsf_1_1Http_1_1Request.htm#a620f8bff6f43e1378f321bf53fbf5598ab822baed393f3d0353621e5378b9fcb4), const std::string &body="") |
|  | Default constructor. |
|  | |
| void | [setField](http://docs.google.com/classsf_1_1Http_1_1Request.htm#aea672fae5dd089f4b6b3745ed46210d2) (const std::string &field, const std::string &value) |
|  | Set the value of a field. |
|  | |
| void | [setMethod](http://docs.google.com/classsf_1_1Http_1_1Request.htm#abab148554e873e80d2e41376fde1cb62) ([Method](http://docs.google.com/classsf_1_1Http_1_1Request.htm#a620f8bff6f43e1378f321bf53fbf5598) method) |
|  | Set the request method. |
|  | |
| void | [setUri](http://docs.google.com/classsf_1_1Http_1_1Request.htm#a3723de4b4f1a14b744477841c4ac22e6) (const std::string &uri) |
|  | Set the requested URI. |
|  | |
| void | [setHttpVersion](http://docs.google.com/classsf_1_1Http_1_1Request.htm#aa683b607b737a6224a91387b4108d3c7) (unsigned int major, unsigned int minor) |
|  | Set the HTTP version for the request. |
|  | |
| void | [setBody](http://docs.google.com/classsf_1_1Http_1_1Request.htm#ae9f61ec3fa1639c70e9b5780cb35578e) (const std::string &body) |
|  | Set the body of the request. |
|  | |

| Friends | |
| --- | --- |
| class | **Http** |
|  | |

## Detailed Description

Define a HTTP request.

Definition at line [54](http://docs.google.com/Http_8hpp_source.htm#l00054) of file [Http.hpp](http://docs.google.com/Http_8hpp_source.htm).

## Member Enumeration Documentation

| enum [sf::Http::Request::Method](http://docs.google.com/classsf_1_1Http_1_1Request.htm#a620f8bff6f43e1378f321bf53fbf5598) |
| --- |

Enumerate the available HTTP methods for a request.

**Enumerator:**

| *Get* | [Request](http://docs.google.com/classsf_1_1Http_1_1Request.htm) in get mode, standard method to retrieve a page. |
| --- | --- |
| *Post* | [Request](http://docs.google.com/classsf_1_1Http_1_1Request.htm) in post mode, usually to send data to a page. |
| *Head* | [Request](http://docs.google.com/classsf_1_1Http_1_1Request.htm) a page's header only. |

Definition at line [62](http://docs.google.com/Http_8hpp_source.htm#l00062) of file [Http.hpp](http://docs.google.com/Http_8hpp_source.htm).

## Constructor & Destructor Documentation

| sf::Http::Request::Request | ( | const std::string & | *uri* = "/", |
| --- | --- | --- | --- |
|  |  | [Method](http://docs.google.com/classsf_1_1Http_1_1Request.htm#a620f8bff6f43e1378f321bf53fbf5598) | *method* = [Get](http://docs.google.com/classsf_1_1Http_1_1Request.htm#a620f8bff6f43e1378f321bf53fbf5598ab822baed393f3d0353621e5378b9fcb4), |
|  |  | const std::string & | *body* = "" |
|  | ) |  |  |

Default constructor.

This constructor creates a GET request, with the root URI ("/") and an empty body.

Parameters

| uri | Target URI |
| --- | --- |
| method | Method to use for the request |
| body | Content of the request's body |

## Member Function Documentation

| void sf::Http::Request::setBody | ( | const std::string & | *body* | ) |  |
| --- | --- | --- | --- | --- | --- |

Set the body of the request.

The body of a request is optional and only makes sense for POST requests. It is ignored for all other methods. The body is empty by default.

Parameters

| body | Content of the body |
| --- | --- |

| void sf::Http::Request::setField | ( | const std::string & | *field*, |
| --- | --- | --- | --- |
|  |  | const std::string & | *value* |
|  | ) |  |  |

Set the value of a field.

The field is created if it doesn't exist. The name of the field is case insensitive. By default, a request doesn't contain any field (but the mandatory fields are added later by the HTTP client when sending the request).

Parameters

| field | Name of the field to set |
| --- | --- |
| value | Value of the field |

| void sf::Http::Request::setHttpVersion | ( | unsigned int | *major*, |
| --- | --- | --- | --- |
|  |  | unsigned int | *minor* |
|  | ) |  |  |

Set the HTTP version for the request.

The HTTP version is 1.0 by default.

Parameters

| major | Major HTTP version number |
| --- | --- |
| minor | Minor HTTP version number |

| void sf::Http::Request::setMethod | ( | [Method](http://docs.google.com/classsf_1_1Http_1_1Request.htm#a620f8bff6f43e1378f321bf53fbf5598) | *method* | ) |  |
| --- | --- | --- | --- | --- | --- |

Set the request method.

See the Method enumeration for a complete list of all the availale methods. The method is [Http::Request::Get](http://docs.google.com/classsf_1_1Http_1_1Request.htm#a620f8bff6f43e1378f321bf53fbf5598ab822baed393f3d0353621e5378b9fcb4) by default.

Parameters

| method | Method to use for the request |
| --- | --- |

| void sf::Http::Request::setUri | ( | const std::string & | *uri* | ) |  |
| --- | --- | --- | --- | --- | --- |

Set the requested URI.

The URI is the resource (usually a web page or a file) that you want to get or post. The URI is "/" (the root page) by default.

Parameters

| uri | URI to request, relative to the host |
| --- | --- |

The documentation for this class was generated from the following file:

* [Http.hpp](http://docs.google.com/Http_8hpp_source.htm)

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