

Reference > httpDo()

# httpDo()

Method for executing an HTTP request. If data type is not specified, p5 will try to guess based on the URL, defaulting to text.

For more advanced use, you may also pass in the path as the first argument and a object as the second argument, the signature follows the one specified in the Fetch API specification. This method is suitable for fetching files up to size of 64MB when "GET" is used.

## Examples



```
// Examples use USGS Earthquake API:
//
https://earthquake.usgs.gov/fdsnws/event/1/#methods

// displays an animation of all USGS earthquakes
let earthquakes;
let eqFeatureIndex = 0;

function preload() {
  let url =
'https://earthquake.usgs.gov/fdsnws/event/1/query?format=geojson';
  httpDo(
    url,
    {
      method: 'GET',
      // Other Request options, like special headers for apis
      headers: { authorization: 'Bearer secretKey' }
    },
    function(res) {
      earthquakes = res;
    }
  );
}

function draw() {
  // wait until the data is loaded
  if (!earthquakes || !earthquakes.features[eqFeatureIndex]) {
    return;
  }
  clear();

  let feature =
earthquakes.features[eqFeatureIndex];
```

## Syntax

```
httpDo(path, [method], [datatype], [data], [callback], [errorCallback])
```

```
httpDo(path, options, [callback], [errorCallback])
```

## Parameters

path	String: name of the file or url to load
method	String: either "GET", "POST", or "PUT", defaults to "GET"
datatype	String: "json", "jsonp", "xml", or "text"
data	Object: param data passed sent with request
callback	Function: function to be executed after <a href="#">httpGet()</a> completes, data is passed in as first argument
errorCallback	Function: function to be executed if there is an error, response is passed in as first argument
options	Object: Request object options as documented in the "fetch" API <a href="#">reference</a>

## Returns

Promise: A promise that resolves with the data when the operation completes successfully or rejects with the error after one occurs.

This page is generated from the comments in [src/io/files.js](#) . Please feel free to edit it and submit a pull request!

## Related References

<b>addChild</b> Adds a new child element and returns a reference to it.	<b>getAttributeCount</b> Returns the number of attributes the element has.	<b>getChild</b> Returns the first matching child element as a new p5.XML object.	<b>getChildren</b> Returns an array with the element's child elements as new p5.XML objects.
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