

# Cross-Origin HTTP requests

eZ Publish ships with [NelmioCorsBundle](#), a Symfony open-source bundle that provides support for [CORS \(Cross Origin Resource Sharing\)](#). The REST API is pre-configured to respond to such requests, as long as you customize the allowed origins as explained below.

## What is CORS

Supported by most modern browsers, this W3C specification defines a set of custom headers that, under specific circumstances, allow HTTP requests between different hosts. The main use-case is execution of AJAX code from one site towards another.

A couple links about it:

- [W3C specification](#)
- [an excellent tutorial about CORS on html5rocks.com](#)
- [overview of CORS on developer.mozilla.org](#)

## Configuration

Since CORS support is provided by a 3rd party bundle, we re-use the semantical configuration it provides. You can read more about it on the [NelmioCorsBundle's README](#) file.

The origin of a request is one of the main criteria for allowing or blocking a cross origin request. Such requests will come with an Origin HTTP header, automatically added by the browser, that gets approved/blocked by the server. By default, all cross origin requests will be blocked.

## Granting an origin default access

To allow a specific host to execute cross-origin requests, you need to add this host to the `nelmio_cors.default.allow_origin` configuration array in `config.yml`. As an example, in order to allow requests from <http://example.com>, one would add those lines to `ezpublish/config/config.yml`:

```
nelmio_cors:
  defaults:
    allow_origin: [ 'http://example.com' ]
```

## Granting CORS access to your own HTTP resources

The Cors bundle is of course perfectly safe to use for any non-eZ HTTP resource you would like to expose. Follow the instructions in [NelmioCorsBundle's configuration chapter](#).