# Developers Guide

OpenNMS v2015.1.5

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# Chapter 1. REST API

## 1.1. CORS Support

### 1.1.1. Why do I need CORS support?

By default, many browsers implement a *same origin policy* which prevents making requests to a resource, on an origin that's different from the source origin.

For example, a request originating from a page served from http://www.opennms.org to a resource on http://www.adventuresinoss.com would be considered a cross origin request.

CORS (Cross Origin Resource Sharing) is a standard mechanism used to enable cross origin requests.

For further details, see:

- Mozilla's HTTP access control (CORS)

- W3C's CORS Spec

### 1.1.2. How can I enable CORS support?

CORS support for the REST interface (or any other part of the Web UI) can be enabled as follows:

1. Open '$OPENNMS_HOME/jetty-webapps/opennms/WEB-INF/web.xml' for editing.

2. Apply the CORS filter to the '/rest/' path by removing the comments around the **<filter-mapping>** definition. The result should look like:

```xml
<!-- Uncomment this to enable CORS support -->
<filter-mapping>
  <filter-name>CORS Filter</filter-name>
  <url-pattern>/rest/*</url-pattern>
</filter-mapping>
```

3. Restart OpenNMS

### 1.1.3. How can I configure CORS support?

CORS support is provided by the **org.ebaysf.web.cors.CORSFilter** servlet filter.

Parameters can be configured by modifying the filter definition in the 'web.xml' file referenced above.

By default, the allowed origins parameter is set to '*'.

The complete list of parameters supported are available from:

- https://github.com/ebay/cors-filter