# Enabling Cross Origin Requests for a RESTful Web Service

This guide walks you through the process of creating a "hello world" RESTful web service (/understanding/REST) with Spring that includes headers for Cross-Origin Resource Sharing (CORS) (/understanding/CORS) in the response. You will find more information about Spring CORS support in this blog post (/blog/2015/06/08/cors-support-in-spring-framework).

## What you'll build

You'll build a service that will accept HTTP GET requests at:

```
http://localhost:8080/greeting
```

and respond with a JSON (/understanding/JSON) representation of a greeting:

```
{"id":1,"content":"Hello, World!"}
```

You can customize the greeting with an optional `name` parameter in the query string:

```
http://localhost:8080/greeting?name=User
```

The `name` parameter value overrides the default value of "World" and is reflected in the response:

```
{"id":1,"content":"Hello, User!"}
```

This service differs slightly from the one described in Building a RESTful Web Service (/guides/gs/rest-service/) in that it will use Spring Framework CORS support to add the relevant CORS response headers.

## What you'll need

- About 15 minutes
- A favorite text editor or IDE
- JDK 1.8 (http://www.oracle.com/technetwork/java/javase/downloads/index.html) or later
- Gradle 2.3+ (http://www.gradle.org/downloads) or Maven 3.0+ (https://maven.apache.org/download.cgi)
- You can also import the code straight into your IDE:
  - Spring Tool Suite (STS) (/guides/gs/sts)
  - IntelliJ IDEA (/guides/gs/intellij-idea/)

## How to complete this guide

Like most Spring Getting Started guides (/guides), you can start from scratch and complete each step, or you can bypass basic setup steps that are already familiar to you. Either way, you end up with working code.

To **start from scratch**, move on to Build with Gradle.

To **skip the basics**, do the following:

- Download (https://github.com/spring-guides/gs-rest-service-cors/archive/master.zip) and unzip the source repository for this guide, or clone it using Git (/understanding/Git):
  ```
  git clone https://github.com/spring-guides/gs-rest-service-cors.git (https://github.com/spring-guides/gs-rest-service-cors.git
  ```
- cd into `gs-rest-service-cors/initial`
- Jump ahead to Create a resource representation class.

**When you're finished**, you can check your results against the code in `gs-rest-service-cors/complete` .

## ▼ Build with Gradle