

# Spring boot command line arguments with Maven

## Running application with Maven

To run your application with Maven you just run the following command:

```
mvn spring-boot:run
```

### Specifying profiles

You can specify an active profile for you Spring boot application with the following command for mvn

```
mvn spring-boot:run -Dspring-boot.run.profiles=local,dev
```

### Why using -D with mvn don't do anything

The Spring boot application is executed in a forked process, thus setting the properties with the command-line using -D for example will not affect the application. That is if you're running the application using maven.

### How to set system property with maven

Like previously mentioned since the Spring boot application is executed in a forked process, if you set a system property using -D it will not be used in the actual application. To set a system property for the Spring boot application to use you will have to use

```
mvn spring-boot:run -Dspring-boot.run.jvmArguments="-Dproperty1=overridden"
```

This is also how you set debugging properties for when maven actually executes with Java.

### What if you want to run with java

If instead you opt to build the jar using maven and then run the Spring boot application with `java` command, then you can provide in the -D and it will be used appropriately within the application and not ignored due to forked process.

However, when you are building the jar file you must also provide in the -D system properties. The active profile that you want to build for will need to be provided as well under `-Dspring.profiles.active` maven CLI argument.

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