

Title: Pass environment variables to Spring Boot application with Maven

Post Body:

I am using Spring Boot 3.2.1.

I don't want to put sensitive data at config file as `application.yml`. So they are referring to environment variables.

Execution works fine at IntelliJ configuration settings for application (at `Environment variables` section).

However, it fails for maven execution from the console:

```
./mvnw -Ddemo-api-key=all156 -Ddemo-host=https://demo.api spring-boot:run
```

Here is exception details:

```
java.lang.IllegalArgumentException: Not enough variable values available to expand 'demo-host' at org.springframework.
```

Here is a snippet from `application.yml`:

```
car-parks-url: ${demo-host}/cap-ws/getCarParks?apiKey=${demo-api-key}
```

If I will put it higher at `application.yml` it works fine:

```
demo-api-key: all156 demo-host: https://demo.api
```

URL is formed correctly and all data are pulled fine.

***Could not understand what is missed for passing it as the environment variables with maven?***

Accepted Answer:

It's not the same as:

```
java -jar -Ddemo-api-key=all156 -Ddemo-host=https://demo.api myApp.jar
```

Where you are passing env vars ***directly to your application***.

If you do:

```
./mvnw -Ddemo-api-key=all156 \ -Ddemo-host=https://demo.api spring-boot:run
```

You are passing the vars to ***maven task and not to the application***.

You could use:

```
./mvnw spring-boot:run \ -Dspring-boot.run.arguments="--demo-host=https://demo.api --demo-api-key=all156"
```

or

```
./mvnw spring-boot:run -Dspring-boot.run.jvmArguments="\ -Ddemo-host=https://demo.api -Ddemo-api-key=all156"
```

Those commands indicate that you what to pass those vars to Spring Boot application.

***Additional resource:***

- [Spring Boot: Different ways to pass application properties](#)

Highest Rated Answer: None