Spring PetClinic - Elastic BeanStalk Java8 Platform

Clone PetClinic Sample Project

```
git clone https://github.com/spring-projects/spring-petclinic.git
```

Configure the application server port

By default, Spring Boot applications will listen on port 8080. Elastic Beanstalk assumes that the application will listen on port 5000.

Open the file application.properties in spring-petclinic/src/main/resources and the following line at the bottom of the file.
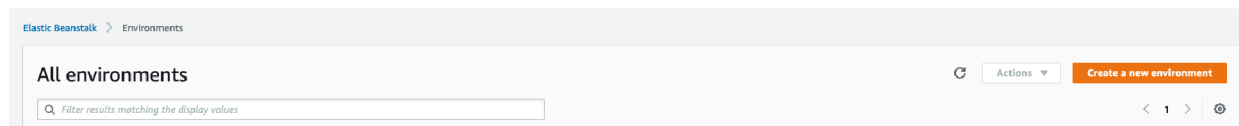
```
server.port=5000
```

Build the project using Maven

```
cd spring-petclinic
./mvnw package
```

The initial build should five to ten minutes to complete. After Maven finishes building the application, the JAR will be located in:/spring-petclinic/target/

Create new Elastic BeanStalk Enviornment and Launch Application

Select web server enviornment

Select environment tier

Amazon Elastic Beanstalk has two types of environment tiers to support different types of web applications. Web servers are standard applications that listen for and then process HTTP requests, typically over port 80. Workers are specialized applications that have a background processing task that listens for messages on an Amazon SQS queue. Worker applications post those messages to your application by using HTTP.

◉ Web server environment
   Run a website, web application, or web API that serves HTTP requests.
   Learn more ⤢

○ Worker environment
   Run a worker application that processes long-running workloads on demand or performs tasks on a schedule.
   Learn more ⤢

Cancel   **Select**

Assign an Application and Environment name. Leave other fields as default

Create a web server environment

Launch an environment with a sample application or your own code. By creating an environment, you allow Amazon Elastic Beanstalk to manage Amazon Web Services resources and permissions on your behalf. **Learn more** ⤢

Application information

Application name

```
spring-petclinic
```

Up to 100 Unicode characters, not including forward slash (/).

▶ **Application tags (optional)**

Environment information

Choose the name, subdomain, and description for your environment. These cannot be changed later.

Environment name

```
Springpetclinic-env
```

Domain

```
Leave blank for autogenerated value
```
.us-east-2.elasticbeanstalk.

Check availability

Under Platform settings, select Java, Corretto 8 running on 64bit Amazon Linux 2

Platform

○ **Managed platform**
Platforms published and maintained by
Amazon Elastic Beanstalk. Learn more 🔗

○ Custom platform
Platforms created and owned by you.

Platform

| Java | ▼ |

Platform branch

| Corretto 8 running on 64bit Amazon Linux 2 | ▼ |

Platform version

| 3.2.4 (Recommended) | ▼ |

In Application code, select Upload your code. Upload the application JAR file and click Create enviornment

Application code

○ **Sample application**
Get started right away with sample code.

○ **Existing version**
Application versions that you have uploaded for **spring-petclinic**.

| -- Choose a version -- | ▼ |

● **Upload your code**
Upload a source bundle from your computer or copy one from Amazon S3.

Version label
Unique name for this version of your application code.

| spring-petclinic-source |

Source code origin
Maximum size 512 MB

● **Local file**

○ **Public S3 URL**

| ⬆ Choose file |

⊖ No file uploaded

▶ **Application code tags**

Cancel   Configure more options   **Create environment**

Creating Springpetclinic-env
This will take a few minutes...

2:56pm   Using elasticbeanstalk-us-east-2-792426176166 as Amazon S3 storage bucket for environment data.

2:56pm   createEnvironment is starting.

Once the Environment is successfully launched, you can check the Envionrment status page to view the overall Health

Elastic Beanstalk > Environments > Springpetclinic-env

Springpetclinic-env
Springpetclinic-env.eba-eqhfmjun.us-east-2.elasticbeanstalk.com (e-fdwpjpp2us)
Application name: spring-petclinic

Refresh   Actions ▼

Health	Running version	Platform
✓	spring-petclinic-source	Corretto 8 running on 64bit Amazon Linux 2/3.2.4
Ok	Upload and deploy	Change
Causes		

Recent events   Show all   < 1 >

Time	Type	Details
2021-08-04 15:01:43 UTC-0700	INFO	Environment health has transitioned from Pending to Ok. Initialization completed 63 seconds ago and took 4 minutes.
2021-08-04 15:01:32 UTC-0700	INFO	Successfully launched environment: Springpetclinic-env
2021-08-04 15:01:32 UTC-0700	INFO	Application available at Springpetclinic-env.eba-eqhfmjun.us-east-2.elasticbeanstalk.com.
2021-08-04 15:00:43 UTC-0700	INFO	Added instance [i-0642c026cc0fe1931] to your environment.
2021-08-04 15:00:26 UTC-0700	INFO	Instance deployment completed successfully.

Click on hyperlink on the Top left to browse to the Web Page.

Welcome

⊘ spring by Pivotal.
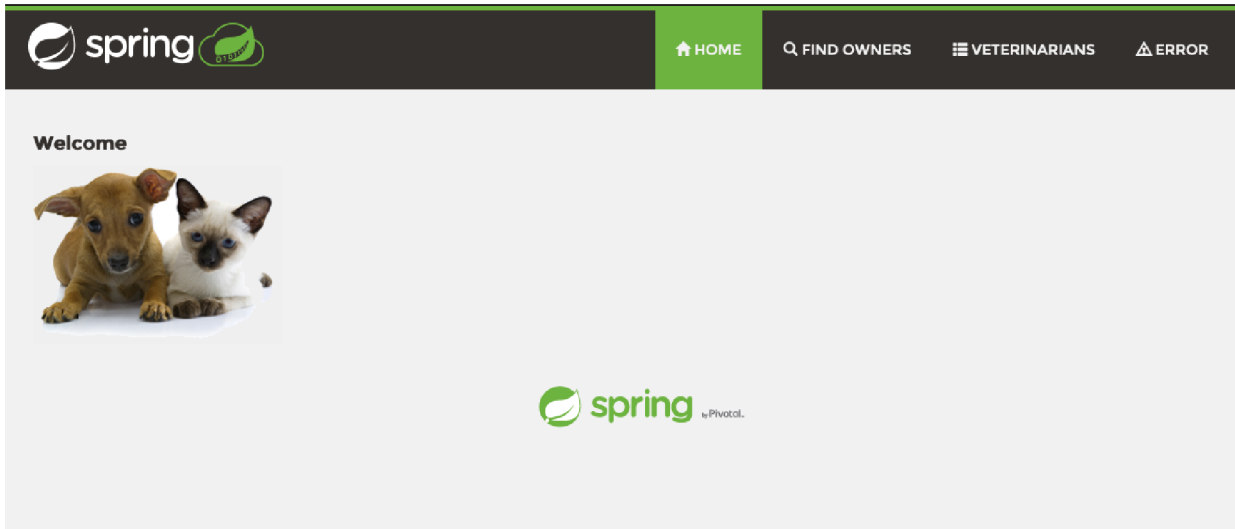
You have successfully launched your first Spring application using AWS Elastic Beanstalk!