

We will use Elastic Beanstalk for website deployment. Let's deploy our website!

### 1. CREATE Applications.

- An Elastic Beanstalk application is a logical collection of Elastic Beanstalk components, including environments, versions, and environment configurations. In Elastic Beanstalk an application is conceptually similar to a folder.

Elastic Beanstalk > Create application

## Create new application

#### Application information

Application name

Maximum length of 100 characters, not including forward slash (/).

Description

#### Tags

Apply up to 50 tags. You can use tags to group and filter your resources. A tag is a key-value pair. The key must be unique within the resource and is case-sensitive. [Learn more](#)

Key	Value	
<input type="text"/>	<input type="text"/>	Remove tag

Add tag

50 remaining

Cancel

Create

### 2. Create an environment

- An environment is a collection of AWS resources running an application version. Each environment runs only one application version at a time, however, you can run the same application version or different application versions in many environments simultaneously.
- Create your own **domain name** and test it later!

## Select environment tier

AWS 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

## 3. Configure the environment

## Platform

☒ **Managed platform**

Platforms published and maintained by AWS Elastic Beanstalk. [Learn more](#)

☐ **Custom platform**

Platforms created and owned by you.

### Platform

PHP

### Platform branch

PHP 7.4 running on 64bit Amazon Linux 2

### Platform version

3.1.5 (Recommended)

## Application code

☒ **Sample application**

Get started right away with sample code.

☐ **Existing version**

Application versions that you have uploaded for **DEMO2**.

-- Choose a version --

☐ **Upload your code**

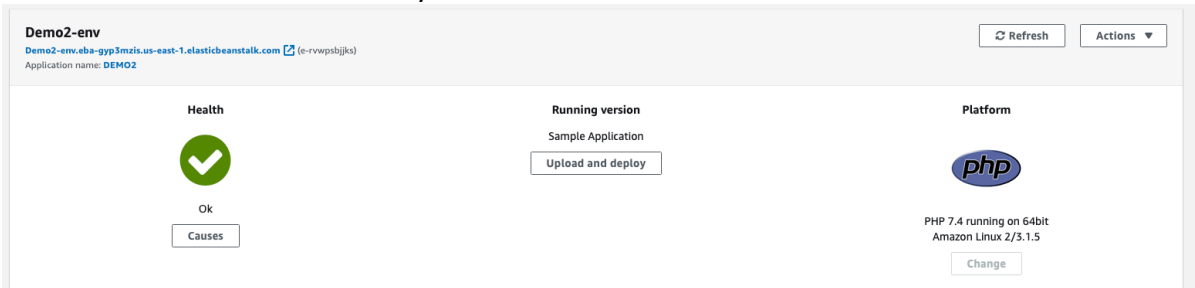
Upload a source bundle from your computer or copy one from Amazon S3.

Cancel

Configure more options

Create environment

4. The environment is ready.



**Demo2-env**  
Demo2-env.eba-gyp3mzis.us-east-1.elasticbeanstalk.com (e-rvwpstbjjks)  
Application name: DEMO2

**Health**  
OK  
Causes

**Running version**  
Sample Application  
Upload and deploy

**Platform**  
PHP 7.4 running on 64bit Amazon Linux 2/3.1.5  
Change

5. Go to the URL! You can see your website is open to everyone!!!



**Congratulations!**  
Your AWS Elastic Beanstalk PHP application is now running on your own dedicated environment in the AWS Cloud  
You are running PHP version 7.4.11  
This environment is launched with Elastic Beanstalk PHP Platform

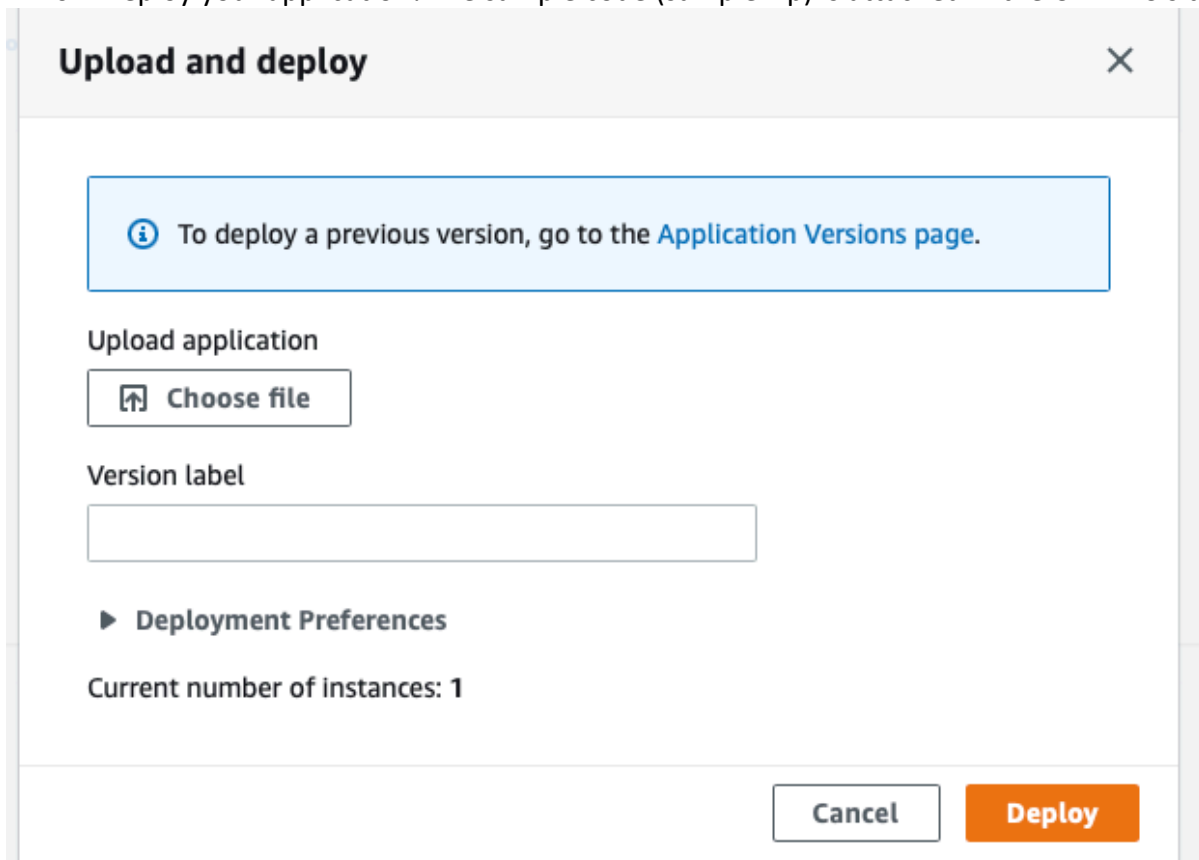
**What's Next?**

- [AWS Elastic Beanstalk overview](#)
- [Deploying AWS Elastic Beanstalk Applications in PHP Using Eb and Git](#)
- [Using Amazon RDS with PHP](#)
- [Customizing the Software on EC2 Instances](#)
- [Customizing Environment Resources](#)

**AWS SDK for PHP**

- [AWS SDK for PHP home](#)
- [PHP developer center](#)
- [AWS SDK for PHP on GitHub](#)

6. Deploy your application! The sample code (sample.zip) is attached in the CANVAS site.



**Upload and deploy**

To deploy a previous version, go to the [Application Versions page](#).

**Upload application**  
Choose file

**Version label**

► **Deployment Preferences**  
Current number of instances: 1

Cancel Deploy

7. Your website has been deployed!

# **Hello World! This is my first web page!!**

My name is Cindy!

8. Let's try different application versions. Why do we need application versions.