

Elastic Bean Stalk

In this step, you create a new application starting from a preexisting example application.

Elastic Beanstalk supports platforms for different programming languages, application servers, and Docker containers. You choose a platform when you create the application.

Elastic Bean Stalk

Compute

AWS Elastic Beanstalk

End-to-end web application management.

AWS Elastic Beanstalk is an easy-to-use service for deploying and scaling web applications and services developed with Java, .NET, PHP, Node.js, Python, Ruby, Go, and Docker on familiar servers such as Apache, Nginx, Passenger, and IIS.

Get started

Easily deploy your web application in minutes.

Create Application

Elastic Beanstalk > Getting started

i In September 2020, Elastic Beanstalk introduced the EnhancedHealthAuthEnabled option. It enables you to require authorization of instances that report enhanced health information. If you're using an Elastic Beanstalk managed policy for your environment's instance profile (the default when using Elastic Beanstalk console or EB CLI), you can safely enable this option.

On November 30, 2020, we plan on enabling this option by default for all new environments (no impact on existing environments). On May 31, 2021, we plan to start enforcing enhanced health authorization; it will be enabled for all new and existing environments, with no option to disable it.

If you're using a custom instance profile, your environment might be impacted and might need a configuration update. To learn more, see [Enhanced health authorization](#) in the *AWS Elastic Beanstalk Developer Guide*.

Create a web app

Create a new application and environment with a sample application or your own code. By creating an environment, you allow AWS Elastic Beanstalk to manage AWS resources and permissions on your behalf. [Learn more](#)

Application information

Create a web app

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Application information

Application name

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

Application 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

Remove tagAdd tag

49 remaining

Platform

Platform

Platform branch

Application code



Sample application

Get started right away with sample code.



Existing version

Application versions that you have uploaded for Sample-App1.



Upload your code

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

CancelConfigure more optionsCreate environment



Creating Sampleapp-env
This will take a few minutes.

No events



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

11:00am Environment health has transitioned to Pending. Initialization in progress (running for 20 seconds). There are no instances.

11:00am Created security group named:
sg-088484d490b9a27c1

11:00am Created target group named:
arn:aws:elasticloadbalancing:us-east-1:639078425870:targetgroup/awseb-AWSEB-WHFS7SR8XKL/8f04c35162c3caff

11:00am Using elasticbeanstalk-us-east-1-639078425870 as Amazon S3 storage bucket for environment data.

11:00am createEnvironment is starting.



Deprecated/Retired Platform(s)

One or more of your environments is configured with a deprecated or retired platform. [Learn more](#)



All environments



Actions ▾

Create a new environment

Q Filter results matching the display values

< 1 > ⚙

	Environment name ▲	Health ▾	Application name ▾	Date created ▾	Last modified ▾	URL ▾	Running versions ▾	Platform ▾
<input type="radio"/>	Sampleapp-env	Pending	SampleApp	2021-05-28 11:00:21 UTC+0530	2021-05-28 11:00:28 UTC+0530	-	-	Tomcat 7 with Corretto 11 running on 64bit Amazon Linux 2

Elastic Beanstalk > Applications

All applications

Filter results matching the display values

	Application name ▲	Environments ▼	Date created ▼	Last modified ▼	ARN ▼
<input type="radio"/>	SampleApp	Sampleapp-env	2021-05-28 11:00:14 UTC+0530	2021-05-28 11:00:14 UTC+0530	arn:aws:elasticbeanstalk:us-east-1:639078425870:application/SampleApp

The ElasticBean stalk creates Autoscaling, LoadBalancer and EC2 instance on its own.

```

11:02am Created Auto Scaling group policy named:
arn:aws:autoscaling:us-east-1:639078425870:scalingPolicy:78c5484b-4e3c-4777-b2c3-b65ca19d7d28:autoScalingGroupName/awseb-e-geprchindh-stack-AWSEBAutoScalingGroup-196SKJQO1H8UI:policyName/awseb-e-geprchindh-stack-AWSEBAutoScalingScaleUpPolicy-1IAZCUUOUN413

11:02am Waiting for EC2 instances to launch. This may take a few minutes.

11:02am Created Auto Scaling group named:
awseb-e-geprchindh-stack-AWSEBAutoScalingGroup-196SKJQO1H8UI

11:00am Created security group named:
awseb-e-geprchindh-stack-AWSEBSecurityGroup-1L9YFU11MZ5B7

11:00am Environment health has transitioned to Pending. Initialization in progress (running for 20 seconds). There are no instances.

11:00am Created security group named:
sg-088484d490b9a27c1

11:00am Created target group named:
arn:aws:elasticloadbalancing:us-east-1:639078425870:targetgroup/awseb-AWSEB-WHFS7SR8XKL/8f04c35162c3caff

11:00am Using elasticbeanstalk-us-east-1-639078425870 as Amazon S3 storage bucket for environment data.

11:00am createEnvironment is starting.

```

AutoScaling instance created

EC2 > Auto Scaling groups

Auto Scaling groups (1)

Search your Auto Scaling groups

	Name ▼	Launch template/configuration ▢ ▼	Instances ▼	Status ▼	Desired capacity ▼	Min ▼
<input type="checkbox"/>	awseb-e-geprchir	AWSEBEC2LaunchTemplate_SBVLcLzUIf7	1	-	1	1

LoadBalancer instance created

Filter by tags and attributes or search by keyword

Name	DNS name	State	VPC ID	Availability Zones	Type
awseb-AWSEB-1GFGJEQ3...	awseb-AWSEB-1GFGJEQ3...	Active	vpc-9647c9eb	us-east-1c, us-east-1a, ...	application

Load balancer: **awseb-AWSEB-1GFGJEQ3HXN6**

Description | Listeners | Monitoring | Integrated services | Tags

Basic Configuration

Name awseb-AWSEB-1GFGJEQ3HXN6

ARN arn:aws:elasticloadbalancing:us-east-1:639078425870:loadbalancer/app/awseb-AWSEB-1GFGJEQ3HXN6/3a5ea8eb550ef22a

DNS name awseb-AWSEB-1GFGJEQ3HXN6-426583656.us-east-1.elb.amazonaws.com (A Record)

TargetGroup Created

EC2 > Target groups

Target groups (1) [info](#) [Refresh](#) [Actions](#) [Create target group](#)

<input type="checkbox"/>	Name	ARN	Port	Protocol	Target type
<input type="checkbox"/>	awseb-AWSEB-WHFS7SR8XKL	arn:aws:elasticloadbalancing...	80	HTTP	Instance

EC2 instance for Sampleapp was created by ElasticBeanStalk

Instances (1) [Info](#) [Refresh](#) [Connect](#) [Instance state](#) [Actions](#) [Launch instances](#)


[Instance state: running](#) [Clear filters](#)

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status
<input type="checkbox"/>	Sampleapp-env	i-0578bd921cb9b6e3b	Running	t2.micro	2/2 checks passed	1/1 has +

Goto ElasticBeanStalk portal and check the health of the deployed app.

The status is still pending

Sampleapp-env


Sampleapp-env.eba-6wr7ymfk.us-east-1.elasticbeanstalk.com  (e-srfej6qpww2)

Application name: **Sample-App**

Refresh

Actions ▼

Health



Green


Causes

Running version

Sample Application

Upload and deploy

Platform



Tomcat 7 with Java 7 running on
64bit Amazon Linux/3.4.7

Deprecated

Change

You could see sample-app running successfully

Congratulations

Your first AWS Elastic Beanstalk Application is now running on your own dedicated environment in the AWS Cloud

What's Next?

- [Learn how to build, deploy and manage your own applications using AWS Elastic Beanstalk](#)
- [AWS Elastic Beanstalk concepts](#)
- [Learn how to create new application versions](#)
- [Learn how to manage your application environments](#)

Download the AWS Reference Application

- [Explore a fully-featured reference application using the AWS SDK for Java](#)

AWS Toolkit for Eclipse

- [Developers may build and deploy AWS Elastic Beanstalk applications directly from Eclipse](#)
- [Get started with Eclipse and AWS Elastic Beanstalk by watching this video](#)
- [View all AWS Elastic Beanstalk documentation](#)