

Elastic Beanstalk



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Compute

Amazon Elastic Beanstalk

End-to-end web application management.

Amazon 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](#)

How it works

You simply upload your code and Elastic Beanstalk automatically handles the deployment, from capacity provisioning, load balancing, and automatic scaling to web application health monitoring, with ongoing fully managed patch and security updates. [Learn more](#)

Benefits and features

Easy to get started

Elastic Beanstalk is the simplest way to deploy and run your web application on Amazon Web Services. Elastic Beanstalk automatically handles the deployment details of capacity provisioning, load balancing, automatic scaling, and web application health monitoring.

Complete resource control

You have the freedom to select the Amazon Web Services resources, such as Amazon EC2 instance types, that are optimal for your web application. Additionally, Elastic Beanstalk lets you manage and retain full control over the Amazon Web Services resources powering your web application.

Fully managed

You can choose to have Elastic Beanstalk automatically update your web application with the latest platform security and patch updates.

Automatic application health monitoring

Elastic Beanstalk automatically collects more than 40 key metrics and attributes to determine the health of your web application in one unified interface.

Related services

[Amplify](#)[Lightsail](#)[Lambda](#)[ECS](#)

Pricing

There's no additional charge for Elastic Beanstalk. You pay for Amazon Web Services resources that we create to store and run your web application, like Amazon S3 buckets and Amazon EC2 instances.

Getting Started

[Launch a web application](#)

Elastic Beanstalk

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Getting started

Create a web app

Create a new application and 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

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 tag

Add tag

49 remaining

Platform

Platform

Platform branch

Platform version

Application code

☒ Sample application

Get started right away with sample code.

☐ Upload your code

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

Cancel

Configure more options

Create application

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Create a new application and 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

My new application

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

Platform

Platform

Python ▾

Platform branch

Python 3.8 running on 64bit Amazon Linux 2 ▾

Platform version

3.3.5 (Recommended) ▾

Describing configuration settings...

Application code

☒ Sample application

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Application information

Application name

My new application

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

Platform

Platform

Python



Platform branch

Python 3.8 running on 64bit Amazon Linux 2



Platform version

3.3.5 (Recommended)



Creating application version my new application-source...

Application code

☒ Sample application

Get started right away with sample code

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Cancel

Configure more options

Create application

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- Saved configurations

- Mynewapplication-env

Elastic Beanstalk

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Environments

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Mynewapplication-env

Creating Mynewapplication-env

This will take a few minutes. .

11:34pm Using elasticbeanstalk-us-east-2-997411095705 as Amazon S3 storage bucket for environment data.

11:34pm createEnvironment is starting.

Elastic Beanstalk

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Elastic Beanstalk > Environments > Mynewapplication-env



Creating Mynewapplication-env

This will take a few minutes. ..

11:35pm

Environment health has transitioned to Pending. Initialization in progress (running for 29 seconds). There are no instances.

11:35pm

Created security group named: sg-0368b9f75c1214c25

11:35pm

Created target group named: arn:aws:elasticloadbalancing:us-east-2:997411095705:targetgroup/awseb-AWSEB-1D0HB4OBLQ7MU/dbd1afaafa4b43b9

11:34pm

Using elasticbeanstalk-us-east-2-997411095705 as Amazon S3 storage bucket for environment data.

11:34pm

createEnvironment is starting.

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Elastic Beanstalk > Environments > Mynewapplication-env



Creating Mynewapplication-env

This will take a few minutes. ...

11:37pm Instance deployment completed successfully.

11:37pm Instance deployment successfully generated a 'Profile'.

11:37pm Created Load Balancer listener named:
arn:aws:elasticloadbalancing:us-east-2:997411095705:listener/app/awseb-AWSEB-F4A44THJ8P0C/7f7a7351428994f5/ae7caf99f630fae

11:37pm Created load balancer named:
arn:aws:elasticloadbalancing:us-east-2:997411095705:loadbalancer/app/awseb-AWSEB-F4A44THJ8P0C/7f7a7351428994f5

11:36pm Created CloudWatch alarm named:
awseb-e-bngpfkbtbg-stack-AWSEBCloudwatchAlarmHigh-1GGZYCPZ6UKY

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Mynewapplication-env

Mynewapplication-env.eba-c7s65exn.us-east-2.elasticbeanstalk.com (e-bngpfkbtbg)

Application name: My new application

Health

Running version


Platform

Ok

Causes

Sample Application

Upload and deploy



Python 3.8 running on 64bit Amazon Linux 2/3.3.5

Change

Recent events

Show all

< 1 2 3 4 >

Time	Type	Details
2021-09-15 23:37:44 UTC+0530	INFO	Successfully launched environment: Mynewapplication-env
2021-09-15 23:37:44 UTC+0530	INFO	Application available at Mynewapplication-env.eba-c7s65exn.us-east-2.elasticbeanstalk.com.
2021-09-15 23:37:30 UTC+0530	INFO	Instance deployment completed successfully.
2021-09-15 23:37:28 UTC+0530	INFO	Instance deployment successfully generated a 'Profile'.
2021-09-15 23:37:25 UTC+0530	INFO	Created Load Balancer listener named: arn:aws:elasticloadbalancing:us-east-2:997411095705:listener/app/awseb-AWSEB-F4A44THJ8P0C/7f7a7351428994f5/aef7caf99f630fae

Feedback

English (US)

Elastic Beanstalk

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Mynewapplication-env

Mynewapplication-env.eba-c7s65exn.us-east-2.elasticbeanstalk.com (e-bngpfkbtbg)

Application name: My new application

Refresh

Actions ▾

Health



Ok

Causes

Running version

Sample Application

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Python 3.8 running on
64bit Amazon Linux
2/3.3.5

Change

Recent events

Show all

< 1 2 3 4 >

Time	Type	Details
2021-09-15 23:37:09 UTC+0530	INFO	Created load balancer named: arn:aws:elasticloadbalancing:us-east-2:997411095705:loadbalancer/app/awseb-F4A44THJ8P0C/7f7a7351428994f5
2021-09-15 23:36:36 UTC+0530	INFO	Created CloudWatch alarm named: awseb-e-bngpfkbtbg-stack-AWSEBCloudwatchAlarmHigh-1GGZYCPZ6UKY
2021-09-15 23:36:36 UTC+0530	INFO	Created CloudWatch alarm named: awseb-e-bngpfkbtbg-stack-AWSEBCloudwatchAlarmLow-BA153SEHR1L6
2021-09-15 23:36:36 UTC+0530	INFO	Created Auto Scaling group policy named: arn:aws:autoscaling:us-east-2:997411095705:scalingPolicy:98f1ff59-6749-4bb1-929f-e03df04add1f:autoScalingGroupName/awseb-e-bngpfkbtbg-stack-AWSEBAutoScalingGroup-ES00YD5ZE65B:policyName/awseb-e-bngpfkbtbg-stack-AWSEBAutoScalingScaleUpPolicy-1V181AXZVS021
2021-09-15 23:36:36 UTC+0530	INFO	Created Auto Scaling group policy named: arn:aws:autoscaling:us-east-2:997411095705:scalingPolicy:f1a9757d-9fd2-4e41-8edf-d465e034cf66:autoScalingGroupName/awseb-e-bngpfkbtbg-stack-AWSEBAutoScalingGroup-ES00YD5ZE65B:policyName/awseb-e-bngpfkbtbg-stack-AWSEBAutoScalingScaleDownPolicy-HFAKNK0VR518

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Tags

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Mynewapplication-env

Mynewapplication-env.eba-c7s65exn.us-east-2.elasticbeanstalk.com (e-bngpfkbtbg)

Refresh

Actions ▾

Application name: **My new application**

Health



Ok

Causes

Running version

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Platform

Python 3.8 running on
64bit Amazon Linux
2/3.3.5

Change

Recent events

Show all

< 1 2 3 4 >

Time	Type	Details
2021-09-15 23:36:36 UTC+0530	INFO	Waiting for EC2 instances to launch. This may take a few minutes.
2021-09-15 23:36:36 UTC+0530	INFO	Created Auto Scaling group named: awseb-e-bngpfkbtbg-stack-AWSEBAutoScalingGroup-ESO0YD5ZE65B
2021-09-15 23:35:20 UTC+0530	INFO	Created security group named: awseb-e-bngpfkbtbg-stack-AWSEBSecurityGroup-1SDNDFW3HULBS
2021-09-15 23:35:15 UTC+0530	INFO	Environment health has transitioned to Pending. Initialization in progress (running for 29 seconds). There are no instances.
2021-09-15 23:35:04 UTC+0530	INFO	Created security group named: sg-0368b9f75c1214c25