

## Assignment-3

Working with elastic Beanstalk

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# 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

### 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

### More resources

### 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

#### 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.

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Go to Settings to activate Windows.

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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

myfirstbeanstalk

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

first

Value

beanstalk

Remove tag

Add tag

0/5 remaining

Platform

Platform

.NET Core on Linux

Platform branch

.NET Core running on 64-bit Amazon Linux 2

Platform version

2.2.4 (Recommended)

Application code

Sample application

Get started right away with sample code.

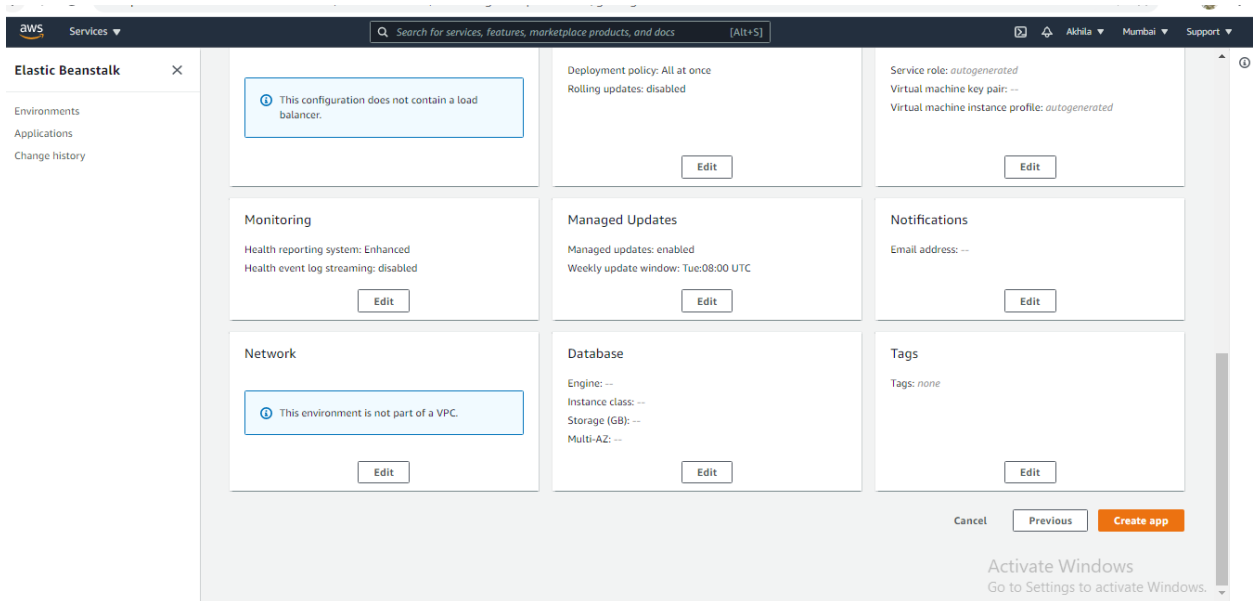
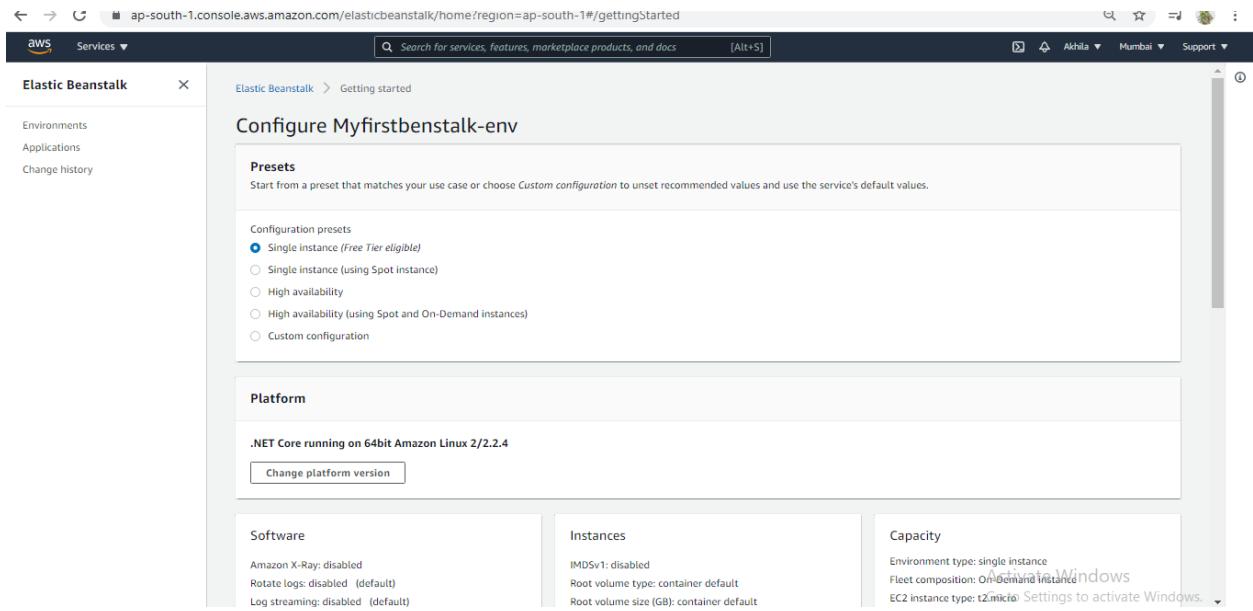
Upload your code

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

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Application versions

Saved configurations

► Myfirstbenstalk-env

Elastic Beanstalk

Environments

Myfirstbenstalk-env

Creating Myfirstbenstalk-env

This will take a few minutes. ...

4:44pm

Using elasticbeanstalk-ap-south-1-780885367189 as Amazon S3 storage bucket for environment data.

4:44pm

createEnvironment is starting.

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Elastic Beanstalk

Environments

Myfirstbenstalk-env

Myfirstbenstalk-env

Myfirstbenstalk-env.eba-6ahxmnik.ap-south-1.elasticbeanstalk.com

Application name: myfirstbenstalk

Refresh

Actions

Health

Ok

Causes

Running version

Sample Application

Upload and deploy

Platform

.NET Core running on 64bit Amazon Linux 2/2.2.4

Change

Recent events

Show all

Time	Type	Details
2021-08-03 16:48:18 UTC+0530	INFO	Added instance [i-0a648dc69f3a4b42a] to your environment.
2021-08-03 16:48:18 UTC+0530	INFO	Environment health has transitioned from Pending to Ok. Initialization completed 24 seconds ago and took 3 minutes.
2021-08-03 16:47:52 UTC+0530	INFO	Successfully launched environment: Myfirstbenstalk-env
2021-08-03 16:47:51 UTC+0530	INFO	Application available at Myfirstbenstalk-env.eba-6ahxmnik.ap-south-1.elasticbeanstalk.com.

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# Events

The screenshot shows the AWS Elastic Beanstalk console. The left sidebar is expanded to 'Elastic Beanstalk' and then to 'Myfirstbenstalk-env', where the 'Events' option is selected. The main panel displays the 'Events' page for this environment. At the top, there's a 'Severity' filter set to 'TRACE' and a refresh button. Below is a table of events.

Time	Type	Details
2021-08-03 16:48:18 UTC+0530	INFO	Added instance [i-0a648dc69f3a4b42a] to your environment.
2021-08-03 16:48:18 UTC+0530	INFO	Environment health has transitioned from Pending to Ok. Initialization completed 24 seconds ago and took 3 minutes.
2021-08-03 16:47:52 UTC+0530	INFO	Successfully launched environment: Myfirstbenstalk-env
2021-08-03 16:47:51 UTC+0530	INFO	Application available at Myfirstbenstalk-env.eba-6ahxmnik.ap-south-1.elasticbeanstalk.com.
2021-08-03 16:47:21 UTC+0530	INFO	Instance deployment completed successfully.
2021-08-03 16:47:18 UTC+0530	INFO	Instance deployment found a runtime-dependent .NET Core application in your source bundle.
2021-08-03 16:47:15 UTC+0530	INFO	Waiting for EC2 instances to launch. This may take a few minutes.
2021-08-03 16:45:25 UTC+0530	INFO	Created EIP: 35.154.244.79
2021-08-03 16:45:18 UTC+0530	INFO	Environment health has transitioned to Pending. Initialization in progress (running for 28 seconds). There are no instances.
2021-08-03 16:45:08 UTC+0530	INFO	Created security group named: awseb-e-8snqjg3khw-stack-AWSEBSecurityGroup-1SPCG12USE49M
2021-08-03 16:44:43 UTC+0530	INFO	Using elasticbeanstalk-ap-south-1-780885367189 as Amazon S3 storage bucket for environment data.
2021-08-03 16:44:43 UTC+0530	INFO	createEnvironment is starting.

# Environments

The screenshot shows the AWS Elastic Beanstalk console. The left sidebar is expanded to 'Elastic Beanstalk' and then to 'Environments'. The main panel displays the 'All environments' page. At the top, there's a search bar, a refresh button, and a 'Create a new environment' button. Below is a table of environments.

Environment name	Health	Application name	Date created	Last modified	URL	Running versions	Platform	Platform state	Tier name
Myfirstbenstalk-env	Ok	myfirstbenstalk	2021-08-03 16:44:43 UTC+0530	2021-08-03 16:47:52 UTC+0530	Myfirstbenstalk-env.eba-6ahxmnik.ap-south-1.elasticbeanstalk.com	Sample Application	.NET Core running on 64bit Amazon Linux 2	supported	WebServer

← → ↻ ap-south-1.console.aws.amazon.com/elasticbeanstalk/home?region=ap-south-1#/environments 🔍 ☆ 📄 : .

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Change history

Recent environments  
Myfirstbeanstalk-env

### All environments

🔍 Filter results matching the display values

Environment name ▲	Health ▼	Application name ▼	Date created ▼	Last modified ▼	URL ▼	Running versions	Form ▼	Tier name ▼
Myfirstbeanstalk-env	OK	myfirstbeanstalk	2021-08-03 16:44:43 UTC+0530	2021-08-03 16:47:52 UTC+0530	Myfirstbeanstalk-env.eba-6ahxmnik.ap-south-1.elasticbeanstalk.com	Sample Application	Stopped	WebServer

Actions ▲ Create a new environment

- Load configuration
- Save configuration
- Swap environment URLs
- Clone environment
- Abort current operation
- Restart app server(s)
- Rebuild environment
- Terminate environment

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Elastic Beanstalk > Applications

### All applications

🔍 Filter results matching the display values

Application name ▲	Environments ▼	Date created ▼	Last modified ▼
Myfirstbeanstalk	Myfirstbeanstalk-env	2021-08-03 17:20:52 UTC+0530	2021-08-03 17:20:52 UTC+0530

Actions ▲ Create a new application

- Create environment
- Delete application
- View application versions
- View saved configurations
- Restore terminated environment  
arn:aws:elasticbeanstalk:ap-south-1:996856931400:application/Myfirstbeanstalk

