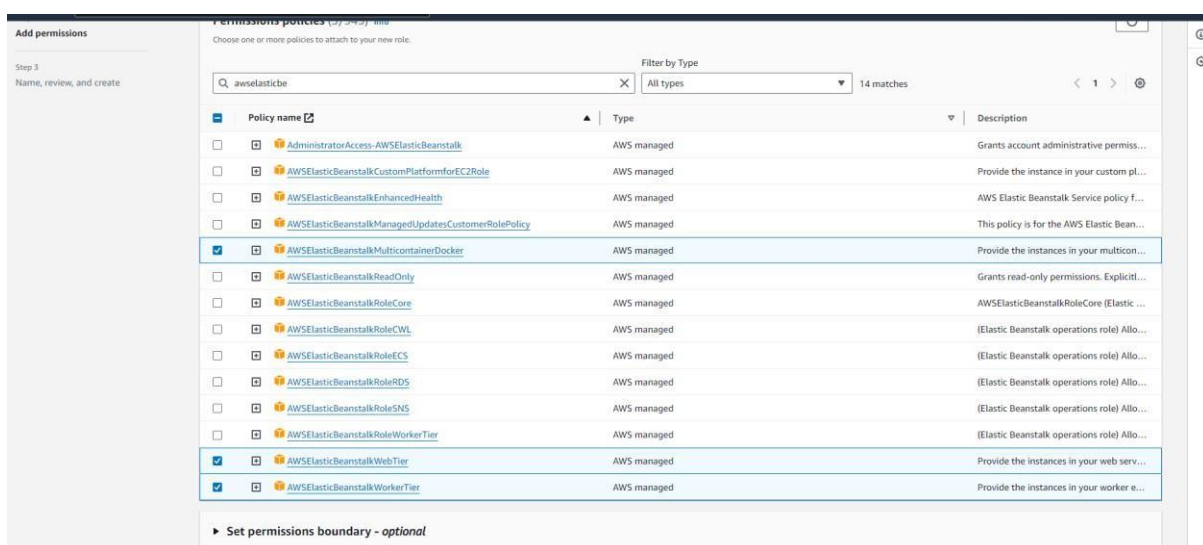
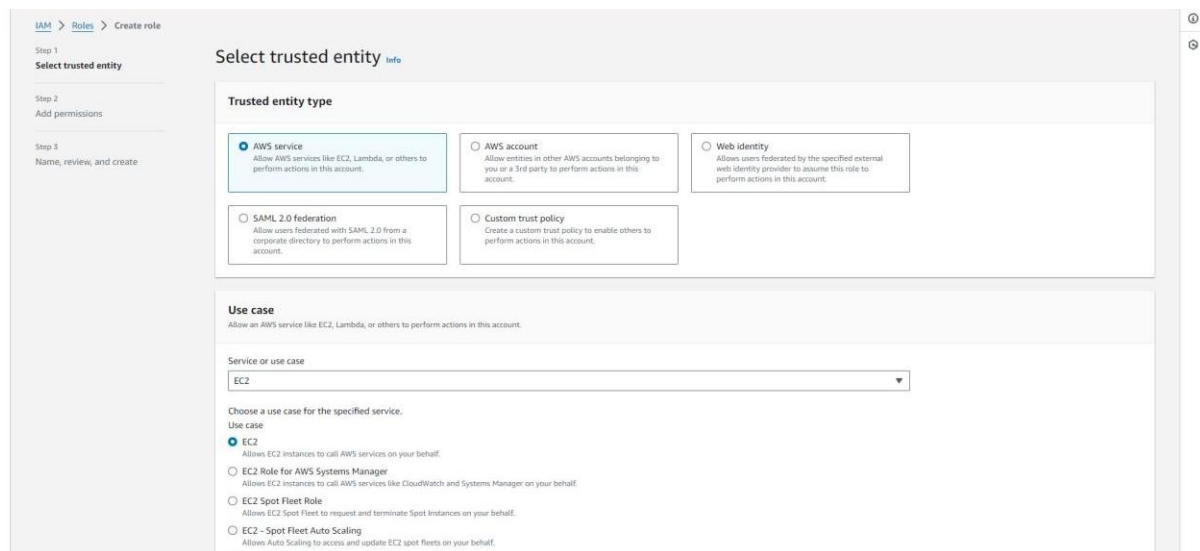
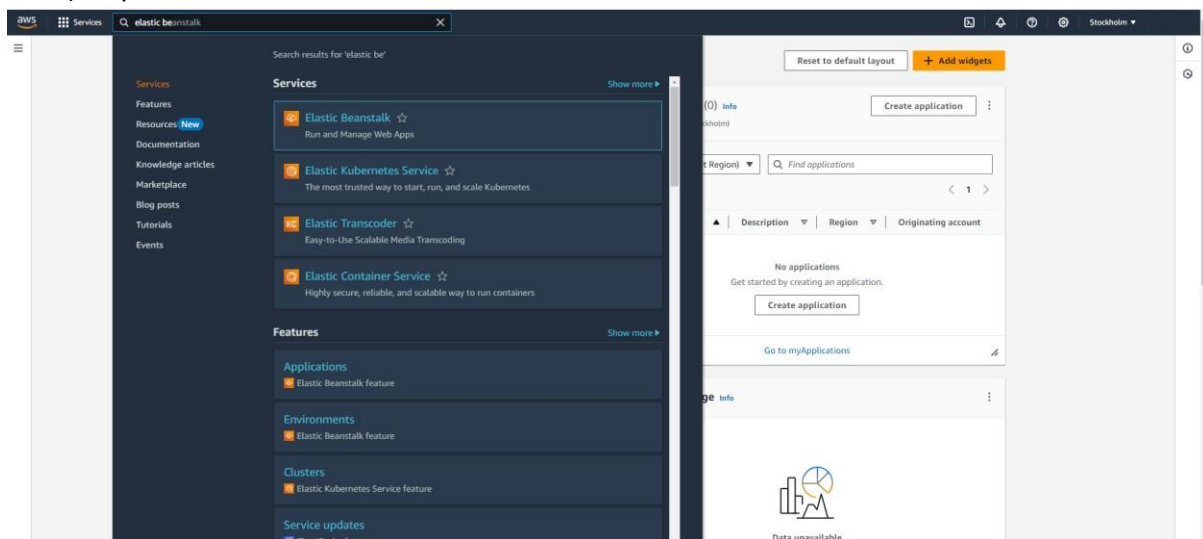


1) Open Elastic Benstalk



2) Add Details

IAM

>

Roles

>

Create role

Step 1

Select trusted entity

Step 2

Add permissions

Step 3

Name, review, and create

Name, review, and create

Role details

Role name

Enter a meaningful name to identify this role.

nishat

Maximum 64 characters. Use alphanumeric and "+", "@", "-", "." characters.

Description

Add a short explanation for this role.

Allows EC2 instances to call AWS services on your behalf.

Maximum 1000 characters. Use letters (A-Z and a-z), numbers (0-9), tabs, new lines, or any of the following characters: "_", "+", "@", "/", "[]{}*%&'\"

Step 1: Select trusted entities

Edit

Trust policy

```
1 {  
2   "Version": "2012-10-17",  
3   "Statement": [  
4     {  
5       "Effect": "Allow",  
6       "Action": [  
7         "sts:AssumeRole"  
8       ],  
9       "Principal": {  
10        "Service": [  
11          "ec2.amazonaws.com"  
12        ]  
13      }  
14    ]  
15  }  
16 }
```

Identity and Access Management (IAM)
[View role](#)

Role nishal created.

IAM > Roles

Roles (3) [Info](#)


An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.

[Refresh](#)
[Delete](#)
[Create role](#)

Role name	Trusted entities	Last activity
<input type="checkbox"/> AWSServiceRoleForSupport	AWS Service: support(Service-Linker)	-
<input type="checkbox"/> AWSServiceRoleForTrustedAdvisor	AWS Service: trustedadvisor(Service)	-
<input type="checkbox"/> nishal	AWS Service: ec2	-


Roles Anywhere [Info](#)

Authenticate your non AWS workloads and securely provide access to AWS services.




Access AWS from your non AWS workloads

Operate your non AWS workloads using the same authentication and authorization strategy that you use within AWS.



X.509 Standard

Use your own existing PKI infrastructure or use [AWS Certificate Manager Private Certificate Authority](#) to authenticate identities.



Temporary credentials

Use temporary credentials with ease and benefit from the enhanced security they provide.

3) Comeback to the Elastic Beanstalk

The screenshot shows the AWS IAM console interface. On the left is a navigation menu with links like Dashboard, Access management, User groups, Users, Roles, Policies, Identity providers, Account settings, Access reports, Access Analyzer, External access, Unused access, Analyzer settings, Credential report, Organization activity, and Service control policies. The main area displays search results for 'elasticbe'. It has a top bar with a search input and a 'View role' button. Below this are two sections: 'Services' and 'Features'. The 'Services' section lists Elastic Beanstalk, Elastic Transcoder, Elastic Container Service, and Elastic Container Registry. The 'Features' section lists Applications, Environments, and Elastic IPs. Each item includes an icon, a star for favorites, and a brief description.

The screenshot shows the Amazon Elastic Beanstalk console home page. The header includes the AWS logo, a search bar, and the text "eu-north-1:console.aws.amazon.com/elasticbeanstalk/home?region=eu-north-1#/welcome". The main content area has a dark blue background with the text "Amazon Elastic Beanstalk End-to-end web application management." and a sub-header "Compute". Below this, there's a "Get started" section with a "Create application" button. To the right, there's a "Pricing" section and a "Getting started" section with a "Launch a web application" link. The bottom of the page features a "Benefits and features" section with two columns: "Easy to get started" and "Complete resource control".

The screenshot shows the "Configure environment" step in the Amazon Elastic Beanstalk console. The left sidebar lists the steps: Step 1: Configure environment (selected), Step 2: Configure service access, Step 3 - optional: Set up networking, database, and tags, Step 4 - optional: Configure instance traffic and scaling, Step 5 - optional: Configure updates, monitoring, and logging, Step 6: Review. The main content area is titled "Configure environment" with an "Info" link. It contains three sections: "Environment tier" with two radio buttons: "Web server environment" (selected) and "Worker environment"; "Application information" with a text input for "Application name" (value: "WebApp") and a section for "Application tags (optional)"; and "Environment information" with a text input for "Environment name" (value: "WebApp-env") and a section for "Domain" with a text input (value: "Leave blank for autogenerated value") and a "Check availability" button. The domain is ".eu-north-1.elasticbeanstalk.com".

Platform info

Platform type

☒ Managed platform
Platforms published and maintained by Amazon Elastic Beanstalk. [Learn more](#)

☐ Custom platform
Platforms created and owned by you. This option is unavailable if you have no platforms.

Platform

Python

Platform branch

Python 3.11 running on 64bit Amazon Linux 2023

Platform version

4.1.4 (Recommended)

Application code info

☒ Sample application
Existing version
Application versions that you have uploaded.

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

Presets info

Start from a preset that matches your use case or choose custom configuration to unset recommended values and use the service's default values.

Platform branch

Python 3.11 running on 64bit Amazon Linux 2023

Platform version

4.1.4 (Recommended)

Application code info

☒ Sample application
Existing version
Application versions that you have uploaded.

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

Presets info

Start from a preset that matches your use case or choose custom configuration to unset recommended values and use the service's default values.

Configuration presets

☒ Single instance (free tier eligible)
☐ Single instance (using spot instance)
☐ High availability
☐ High availability (using spot and on-demand instances)
☐ Custom configuration

Cancel

Next

Step 1
[Configure environment](#)

Step 2
Configure service access

Step 3 - optional
[Set up networking, database, and tags](#)

Step 4 - optional
[Configure instance traffic and scaling](#)

Step 5 - optional
[Configure updates, monitoring, and logging](#)

Step 6
[Review](#)

Configure service access info

Service access

IAM roles, assumed by Elastic Beanstalk as a service role, and EC2 instance profiles allow Elastic Beanstalk to create and manage your environment. Both the IAM role and instance profile must be attached to IAM managed policies that contain the required permissions. [Learn more](#)

Service role

☒ Create and use new service role
☐ Use an existing service role

Service role name

Enter the name for an IAM role that Elastic Beanstalk will create to assume as a service role. Beanstalk will attach the required managed policies to it.

aws-elasticbeanstalk-service-role

View permission details

EC2 key pair

Select an EC2 key pair to securely log in to your EC2 instances. [Learn more](#)

Choose a key pair

EC2 instance profile

Choose an IAM instance profile with managed policies that allow your EC2 instances to perform required operations.

nishat

View permission details

Cancel

Skip to review

Previous

Next

Step 1
[Configure environment](#)

Step 2
[Configure service access](#)

Step 3 - optional
Set up networking, database, and tags

Step 4 - optional
[Configure instance traffic and scaling](#)

Step 5 - optional
[Configure updates, monitoring, and logging](#)

Step 6
[Review](#)

Set up networking, database, and tags - *optional* info

Virtual Private Cloud (VPC)

VPC
Launch your environment in a custom VPC instead of the default VPC. You can create a VPC and subnets in the VPC management console. [Learn more](#)

vpc-0624ba2d8c4a3a551 | (172.31.0.0/16)

[Create custom VPC](#)

Instance settings

Choose a subnet in each AZ for the instances that run your application. To avoid exposing your instances to the Internet, run your instances in private subnets and load balancer in public subnets. To run your load balancer and instances in the same public subnets, assign public IP addresses to the instances. [Learn more](#)

Public IP address
Assign a public IP address to the Amazon EC2 instances in your environment.
☐ Activated

Instance subnets

Q Filter instance subnets

<input checked="" type="checkbox"/>	Availability Zone	Subnet	CIDR	Name
<input checked="" type="checkbox"/>	eu-north-1b	subnet-0be6ddee6...	172.31.32.0/20	
<input type="checkbox"/>	eu-north-1c	subnet-0c8bbf607...	172.31.0.0/20	
<input type="checkbox"/>	eu-north-1a	subnet-0fa1e7f89...	172.31.16.0/20	

Congratulations

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

This environment is launched with Elastic Beanstalk Python Platform

What's Next?

- [AWS Elastic Beanstalk overview](#)
- [AWS Elastic Beanstalk concepts](#)
- [Deploy a Django Application to AWS Elastic Beanstalk](#)
- [Deploy a Flask Application to AWS Elastic Beanstalk](#)
- [Customizing and Configuring a Python Container](#)
- [Working with Logs](#)

Successfully Done

Environment successfully launched.

Elastic Beanstalk > Create application

Create new application [info](#)

Application information

Application name

jeril

Maximum length of 100 characters.

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](#)

No tags associated with the resource.

Add new tag

You can add 50 more tags.

Cancel

Create

WS

Services

Search

[Alt+S]

Environment successfully launched.

Step 4
Configure service access

Step 5 - optional
Set up networking, database, and tags

Step 4 - optional
Configure instance traffic and scaling

Step 5 - optional
Configure updates, monitoring, and logging

Step 6
Review

Environment tier [info](#)

Amazon Elastic Beanstalk has two types of environment tiers to support different types of web applications.

☒ 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](#)

Application information [info](#)

Application name

jeril

Maximum length of 100 characters.

Application tags (optional)

Environment information [info](#)

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

Environment name

Jeril-env

Must be from 4 to 40 characters in length. The name can contain only letters, numbers, and hyphens. It can't start or end with a hyphen. This name must be unique within a region in your account.

Domain

Leave blank for autogenerated value

.eu-north-1.elasticbeanstalk.com

Check availability

Environment description

Environment successfully launched.

Step 1

[Configure environment](#)

Step 2

Configure service access

Step 3 - optional

[Set up networking, database, and tags](#)

Step 4 - optional

[Configure instance traffic and scaling](#)

Step 5 - optional

[Configure updates, monitoring, and logging](#)

Step 6

[Review](#)

Configure service access Info

Service access
IAM roles, assumed by Elastic Beanstalk as a service role, and EC2 instance profiles allow Elastic Beanstalk to create and manage your environment. Both the IAM role and instance profile must be attached to IAM managed policies that contain the required permissions. [Learn more](#)

Service role

☒ Create and use new service role
☐ Use an existing service role

Service role name
Enter the name for an IAM role that Elastic Beanstalk will create to assume as a service role. Beanstalk will attach the required managed policies to it.

[View permission details](#)

EC2 key pair
Select an EC2 key pair to securely log in to your EC2 instances. [Learn more](#)

[Refresh](#)

EC2 instance profile
Choose an IAM instance profile with managed policies that allow your EC2 instances to perform required operations.

[View permission details](#)

[Cancel](#) [Skip to review](#) [Previous](#) [Next](#)

Elastic Beanstalk

Environment successfully launched.

Elastic Beanstalk > Environments > Jeril-env

Jeril-env Info

[Actions](#) [Upload and deploy](#)

Environment overview

Health: Warning

Environment ID: [e-myrs5kuxwq4ev](#)

Domain: [Jeril-env-eba-ize3vch-eu-north-1.elasticbeanstalk.com](#)

Application name: [jeril](#)

Platform

[Change version](#)

Platform: Corretto 21 running on 64bit Amazon Linux 2023/4.3.1

Running version: -

Platform state: Supported

[Events](#) [Health](#) [Logs](#) [Monitoring](#) [Alarms](#) [Managed updates](#) [Tags](#)

Events (12) Info

Time	Type	Details
September 14, 2024 16:20:43 (UTC+5:30)	INFO	Successfully launched environment: Jeril-env
September 14, 2024 16:20:05 (UTC+5:30)	WARN	Environment health has transitioned from Pending to Warning. Initialization completed 2 seconds ago and took 2 minutes. There are no instances. Unable to assume role "arn:aws:iam::637423438492:role/nishal". Verify that the role exists and is configured correctly.
September 14, 2024 16:20:05 (UTC+5:30)	INFO	Added instance [i-09f80c16766bd2b88] to your environment.

Step 1

Configure environment

Step 2

[Configure service access](#)

Step 3 - optional

[Set up networking, database, and tags](#)

Step 4 - optional

[Configure instance traffic and scaling](#)

Step 5 - optional

[Configure updates, monitoring, and logging](#)

Step 6

[Review](#)

Configure environment Info

Environment tier Info
Amazon Elastic Beanstalk has two types of environment tiers to support different types of web applications.

☒ 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](#)

Application information Info

Application name

Maximum length of 100 characters.

Application tags (optional)

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

Environment name

Must be from 4 to 40 characters in length. The name can contain only letters, numbers, and hyphens. It can't start or end with a hyphen. This name must be unique within a region in your account.

Domain
 .eu-north-1.elasticbeanstalk.com [Check availability](#)

Platform info

Platform type

☒ Managed platform
Platforms published and maintained by Amazon Elastic Beanstalk. [Learn more](#)

☐ Custom platform
Platforms created and owned by you. This option is unavailable if you have no platforms.

Platform

Tomcat

Platform branch

Tomcat 10 with Corretto 21 running on 64bit Amazon Linux 2023

Platform version

5.3.2 (Recommended)

Application code info

☐ Sample application

☐ Existing version
Application versions that you have uploaded.

☒ 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.

Version label

Source code origin. Maximum size 500 MB

☒ Local file

Upload application

Choose file

Step 1
[Configure environment](#)

Step 2
Configure service access

Step 3 - optional
[Set up networking, database, and tags](#)

Step 4 - optional
[Configure instance traffic and scaling](#)

Step 5 - optional
[Configure updates, monitoring, and logging](#)

Step 6
[Review](#)

Configure service access info

Service access

IAM roles, assumed by Elastic Beanstalk as a service role, and EC2 instance profiles allow Elastic Beanstalk to create and manage your environment. Both the IAM role and instance profile must be attached to IAM managed policies that contain the required permissions. [Learn more](#)

Service role

☐ Create and use new service role

☒ Use an existing service role

Existing service roles

Choose an existing IAM role for Elastic Beanstalk to assume as a service role. The existing IAM role must have the required IAM managed policies.

nishal

EC2 key pair

Select an EC2 key pair to securely log in to your EC2 instances. [Learn more](#)

Choose a key pair

EC2 instance profile

Choose an IAM instance profile with managed policies that allow your EC2 instances to perform required operations.

View permission details

Cancel

Skip to review

Previous

Next

The image shows a 'Congratulations' screen from the AWS Elastic Beanstalk console. The left side has a light blue background with the text 'Congratulations' in large blue font, followed by 'Your first AWS Elastic Beanstalk Corretto application is now running on your own dedicated environment in the AWS Cloud' and 'This environment is launched with Elastic Beanstalk Corretto Platform'. The right side has a dark blue background with the heading 'What's Next?' and two links: 'AWS Elastic Beanstalk overview' and 'AWS Elastic Beanstalk concepts'.

Successfully Done