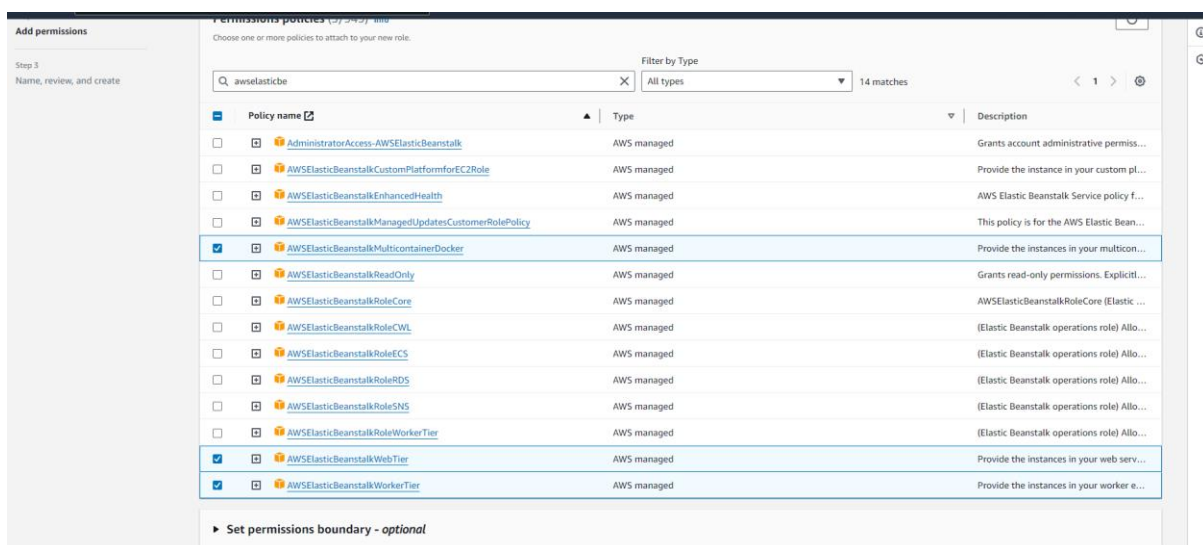
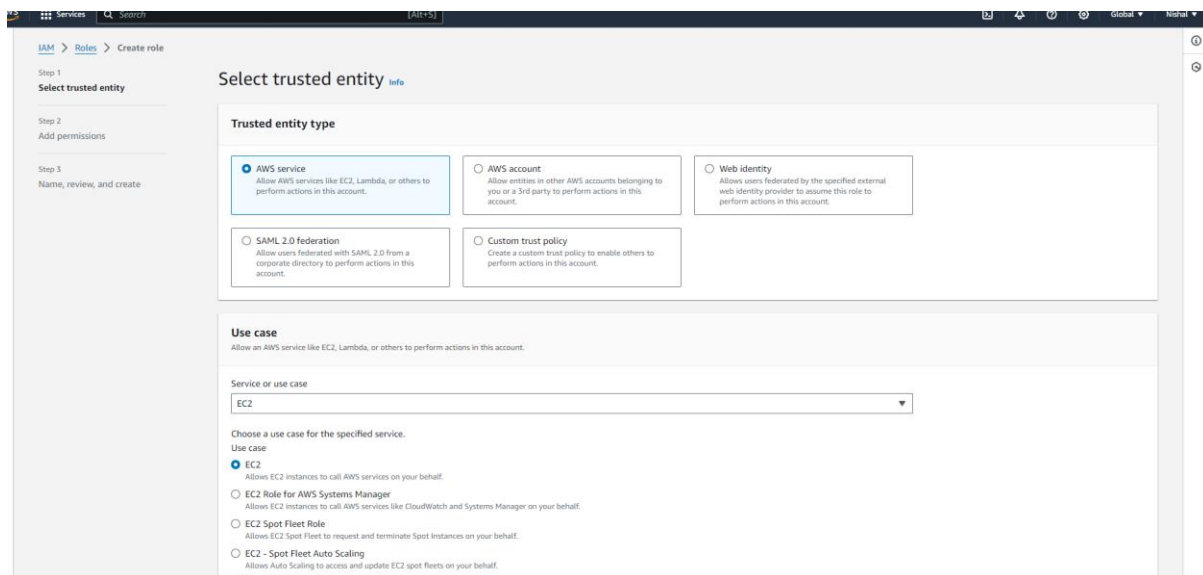
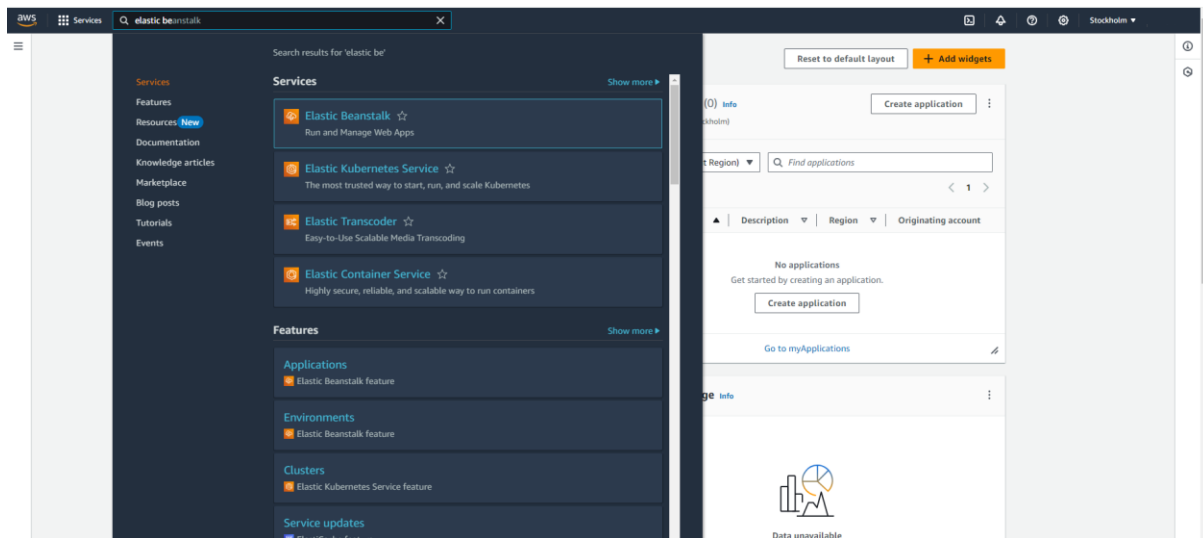


Name : Khushi Jain
A023

1) Open Elastic Benstalk



2) Add Details

The screenshot shows the AWS IAM console 'Create role' wizard. The 'Name, review, and create' step is active. The role name is 'nishal' and the description is 'Allows EC2 instances to call AWS services on your behalf.' The 'Step 1: Select trusted entities' section shows a trust policy for EC2 instances.

Name, review, and create

Role details

Role name: nishal
Description: Allows EC2 instances to call AWS services on your behalf.

Step 1: Select trusted entities

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  }
```

3) Comeback to the Elastic Beanstalk

The screenshot shows the AWS IAM console search results for 'elasticbe'. The 'Elastic Beanstalk' service is highlighted, along with other services like Elastic Transcoder, Elastic Container Service, and Elastic Container Registry.

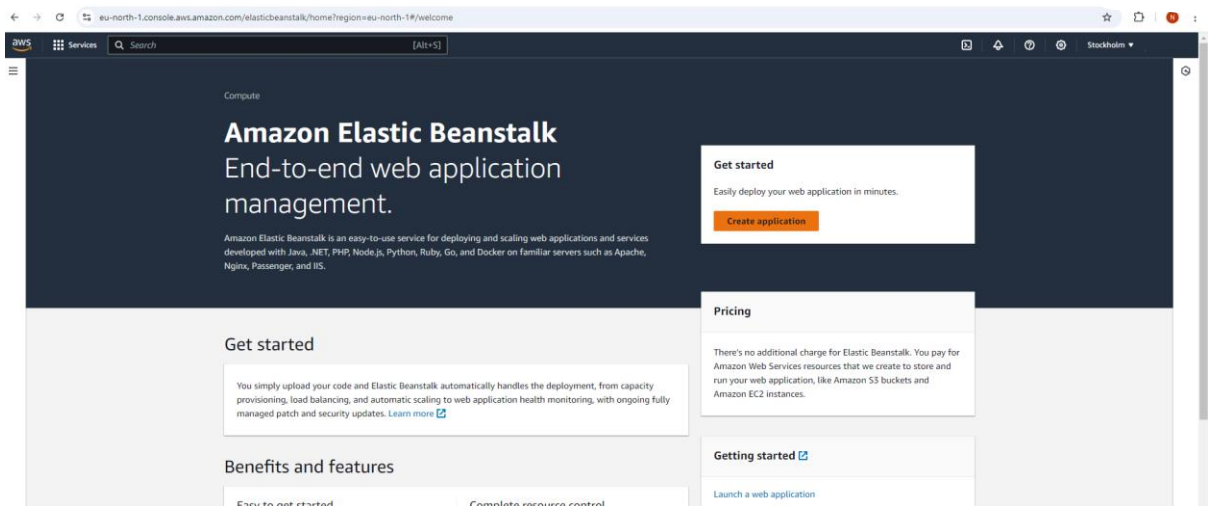
Search results for 'elasticbe'

Services

- Elastic Beanstalk: Run and Manage Web Apps
- Elastic Transcoder: Easy-to-Use Scalable Media Transcoding
- Elastic Container Service: Highly secure, reliable, and scalable way to run containers
- Elastic Container Registry: Fully-managed Docker container registry: Share and deploy container software, publ...

Features

- Applications: Elastic Beanstalk feature
- Environments: Elastic Beanstalk feature
- Elastic IPs: EC2 feature



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

WebApp

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

WebApp-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

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

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.

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

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Services

Search

[Alt+S]

Stockholm

Nishal

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.

nishal

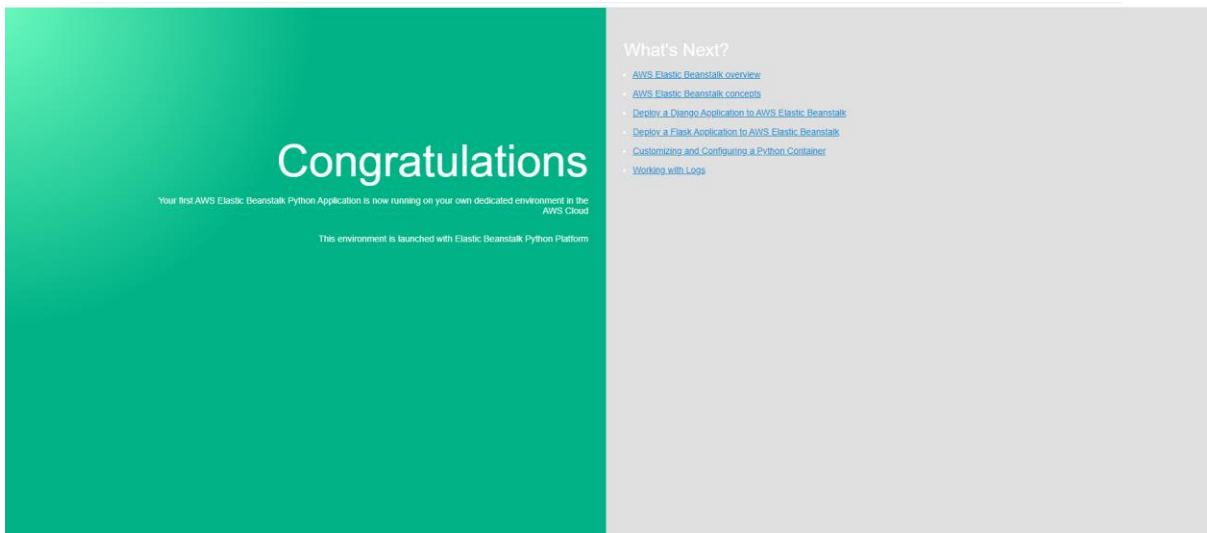
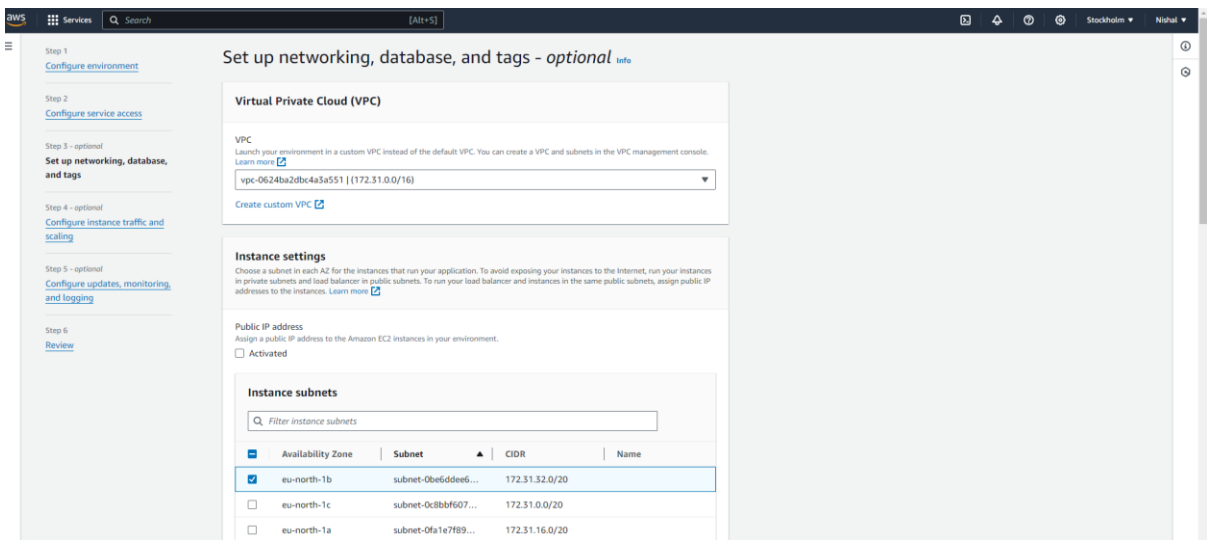
View permission details

Cancel

Skip to review

Previous

Next



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 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

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.

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.

nishal

View permission details

Cancel

Skip to review

Previous

Next

Services

Search

[Alt+S]

Stockholm

Nishal

Elastic Beanstalk

Applications

Environments

Change history

Application: jeril

Application versions

Saved configurations

Environment: Jeril-env

Go to environment

Configuration

Events

Health

Logs

Monitoring

Alarms

Managed updates

Tags

Recent environments

Jeril-env

WebApp-env

Environment successfully launched.

Elastic Beanstalk > Environments > Jeril-env

Jeril-env info

Environment overview

Health

Warning

Environment ID

e-myR5kuwq4w

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 (12) info

Filter events by text, property or value

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

Environment tier

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

Application name

Tomcatapp

Maximum length of 100 characters.

Application tags (optional)

Environment information

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

Environment name

Tomcatapp-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

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

Platform

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

☐ 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

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.

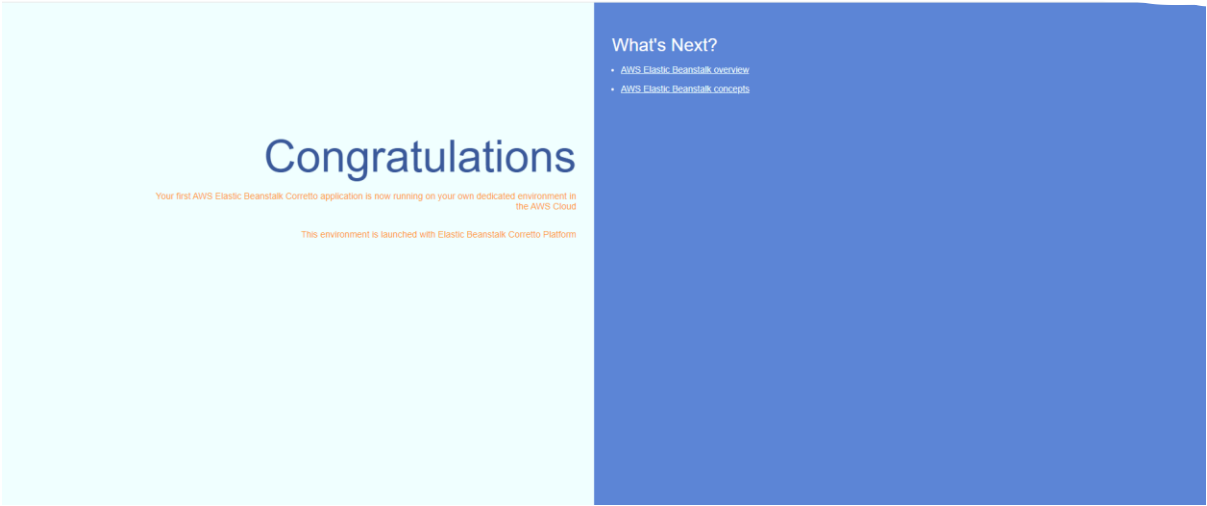
View permission details

Cancel

Skip to review

Previous

Next



Successfully Done