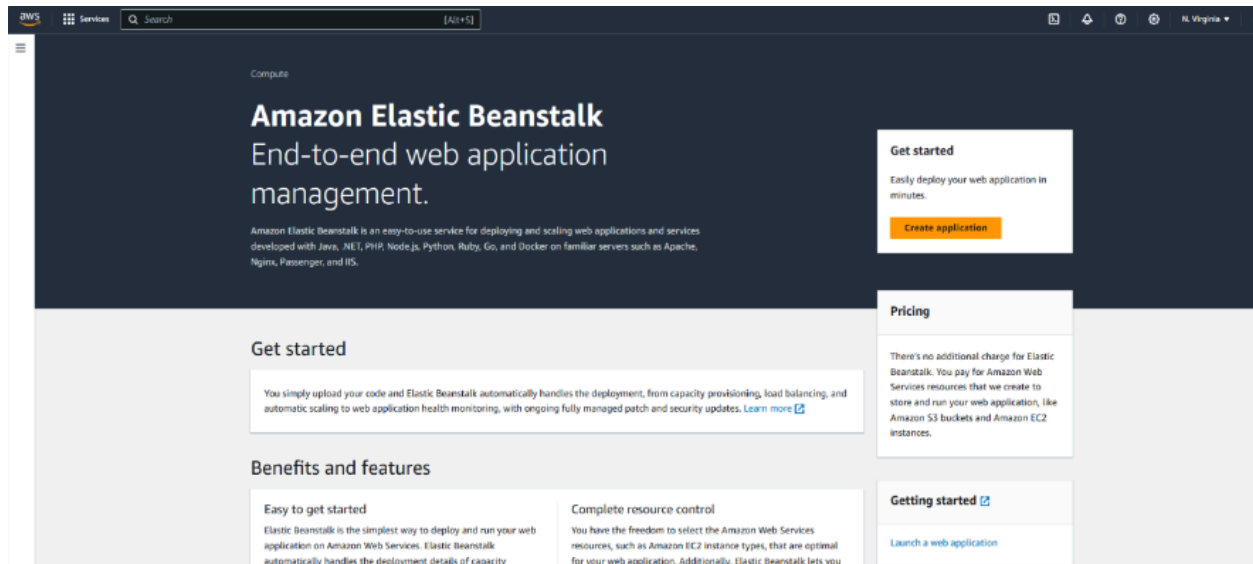
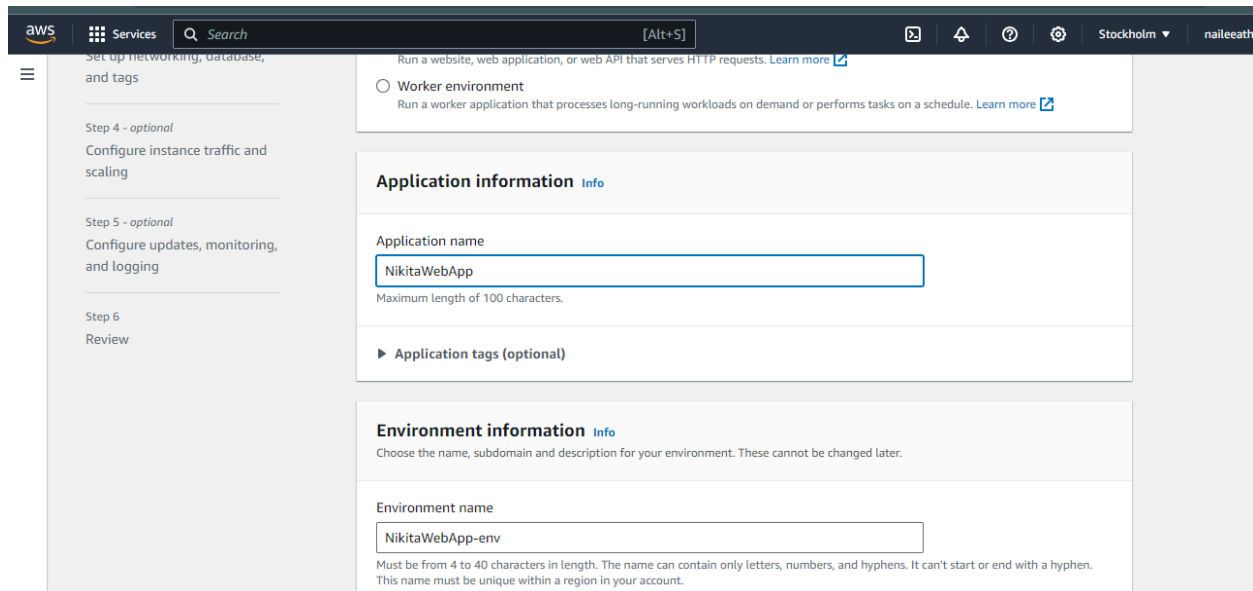


Aim: To build your application using AWS code, build and deploy on S3 or SEBS using AWS code pipeline, deploy sample application on EC2 instance, using AWS CodeDeploy.

Step 1: Open the AWS console and then search elastic beanstalk



Step 2: Click on create application and configure the environment.



The image displays two screenshots of the AWS Elastic Beanstalk console interface.

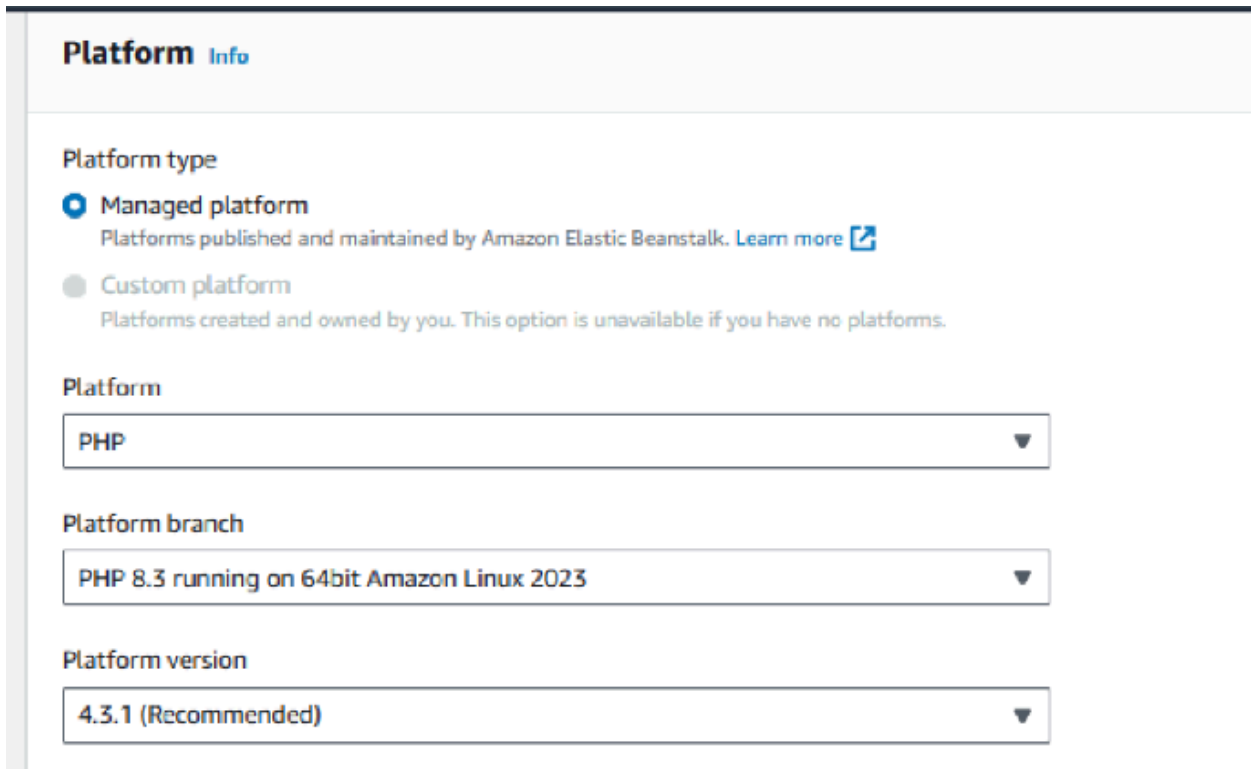
**Top Screenshot: Configure environment wizard**

- Step 1: Configure environment** (Edit button)
- Environment information**
  - Environment tier: Web server environment
  - Application name: nikita-webapp
  - Environment name: Nikita-webapp-env
  - Application code: Sample application
  - Platform: arn:aws:elasticbeanstalk:eu-north-1::platform/PHP 8.3 running on 64bit Amazon Linux 2023/4.3.1
- Step 2: Configure service access** (Edit button)
- Service access** (Info button)
  - Configure the service role and EC2 instance profile that Elastic Beanstalk uses to manage your environment. Choose an EC2 key pair to securely log in to your EC2 instances.
  - Fields: Service role, EC2 key pair, EC2 instance profile

**Bottom Screenshot: Environment overview**

- Elastic Beanstalk** (Applications, Environments, Change history)
- Application: nikita-webapp** (Application versions, Saved configurations)
- Environment: Nikita-webapp-env** (Go to environment, Configuration, Events, Health, Logs, Monitoring, Alarms)
- Nikita-webapp-env** (Info button, Actions dropdown, Upload and deploy button)
- Environment overview**
  - Health: Unknown
  - Domain: -
  - Environment ID: e-ciuruu2dd4
  - Application name: nikita-webapp
- Platform** (Change version button)
  - Platform: PHP 8.3 running on 64bit Amazon Linux 2023/4.3.1
  - Running version: -
  - Platform state: Supported
- Events (2)** (Info button)

Step 3: Choose PHP from top down menu



**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**

PHP

**Platform branch**

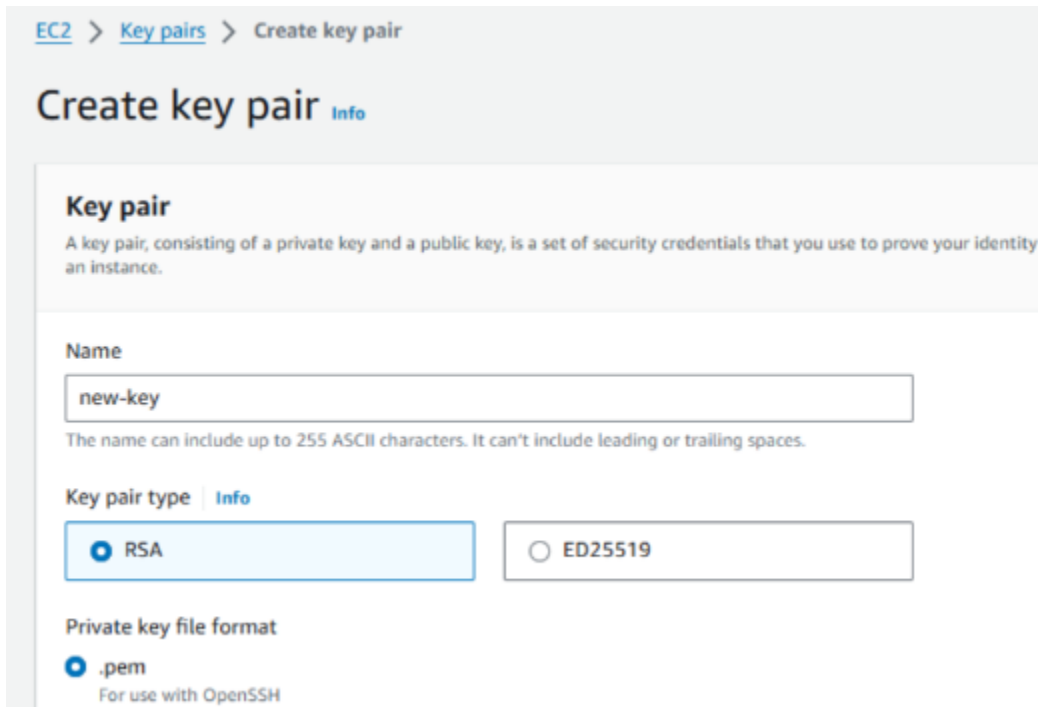
PHP 8.3 running on 64bit Amazon Linux 2023

**Platform version**

4.3.1 (Recommended)

Step 4: Create a key

Step 5: Go to **Key pairs** from the left panel and create a keypair



[EC2](#) > [Key pairs](#) > Create key pair

**Create key pair** [Info](#)

**Key pair**

A key pair, consisting of a private key and a public key, is a set of security credentials that you use to prove your identity to an instance.

**Name**

new-key

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

**Key pair type** [Info](#)

☒ **RSA** ☐ **ED25519**

**Private key file format**

☒ **.pem**  
For use with OpenSSH

In the same fashion go to IAM and then under role section, click create role and then select AWS service and under instances select EC2

**Use case**

Allow an AWS service like EC2, Lambda, or others to perform actions in this account.

Service or use case

EC2

Step 6: Now come back to Elastic beanstalk page

