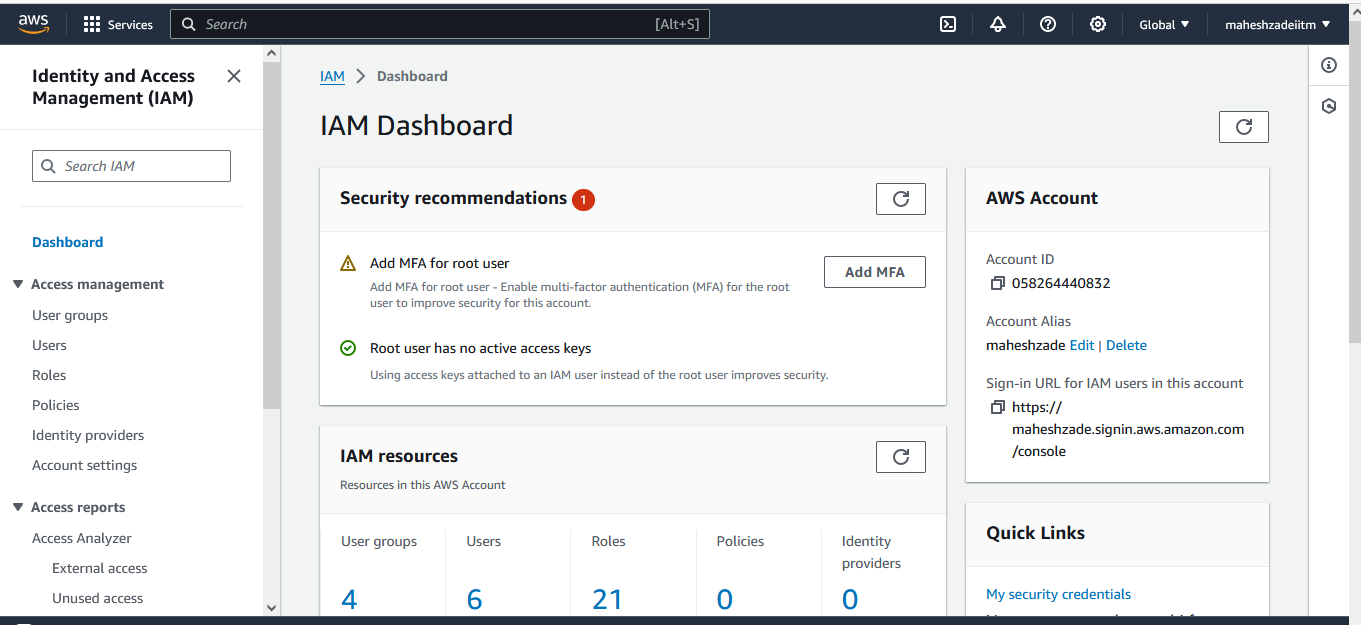
Dated 07.05.2024.

**ElasticBeanstalk Lab**

Make sure you have one key-pair in this region, if not create ONE.

Step 1 >>> Create a IAM Role for Elastic Beanstalk to access the services >>> EC2 ( root User )



Roles >>> Create a Role >>> AWS service

A screenshot of a computer

Description automatically generated

>>> Use case >>>> EC2

A screenshot of a computer

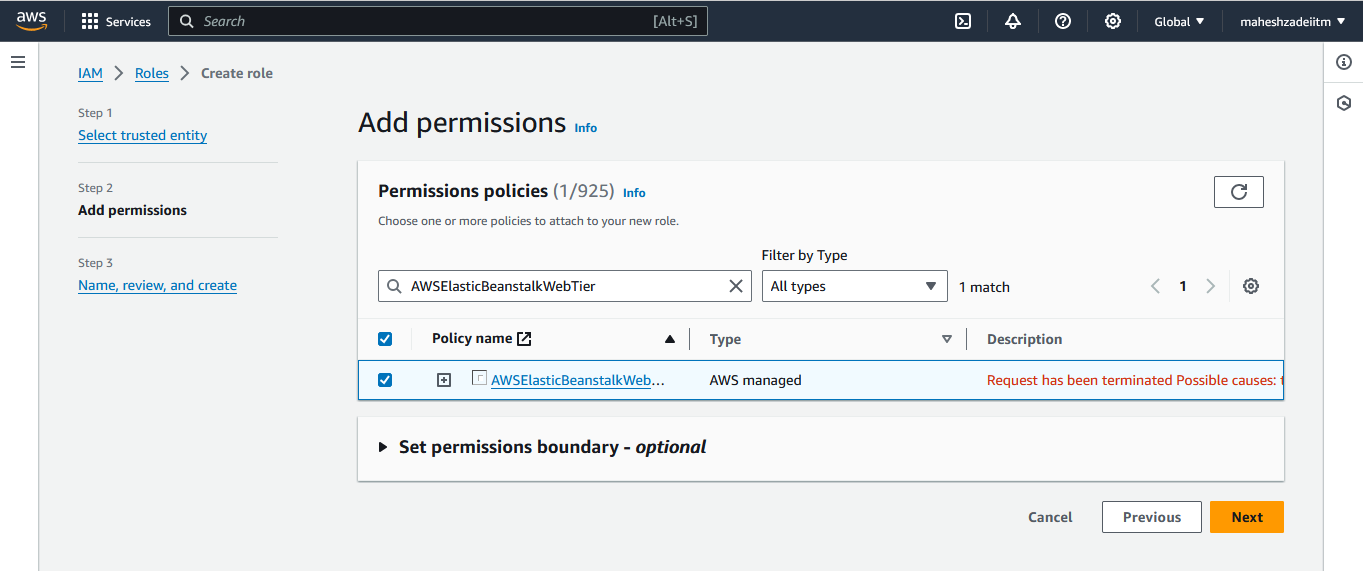
Description automatically generated

>>> Next

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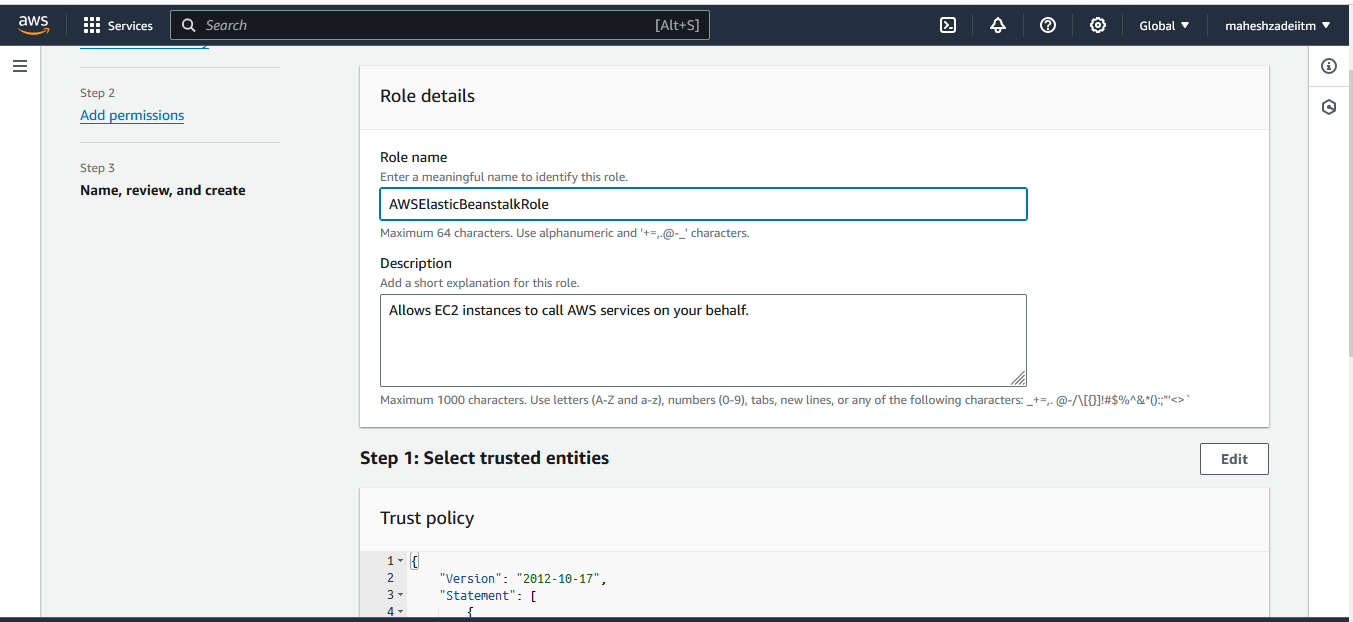
Description automatically generated

Policy >>>> AWSElasticBeanstalkWebTier

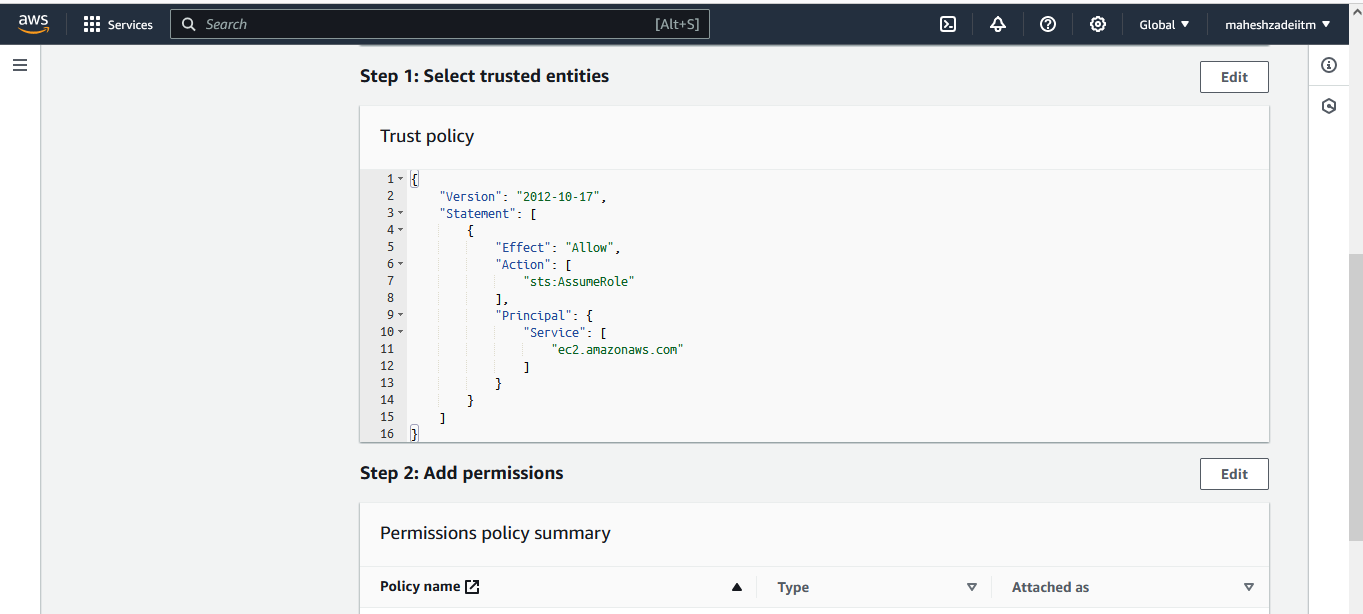


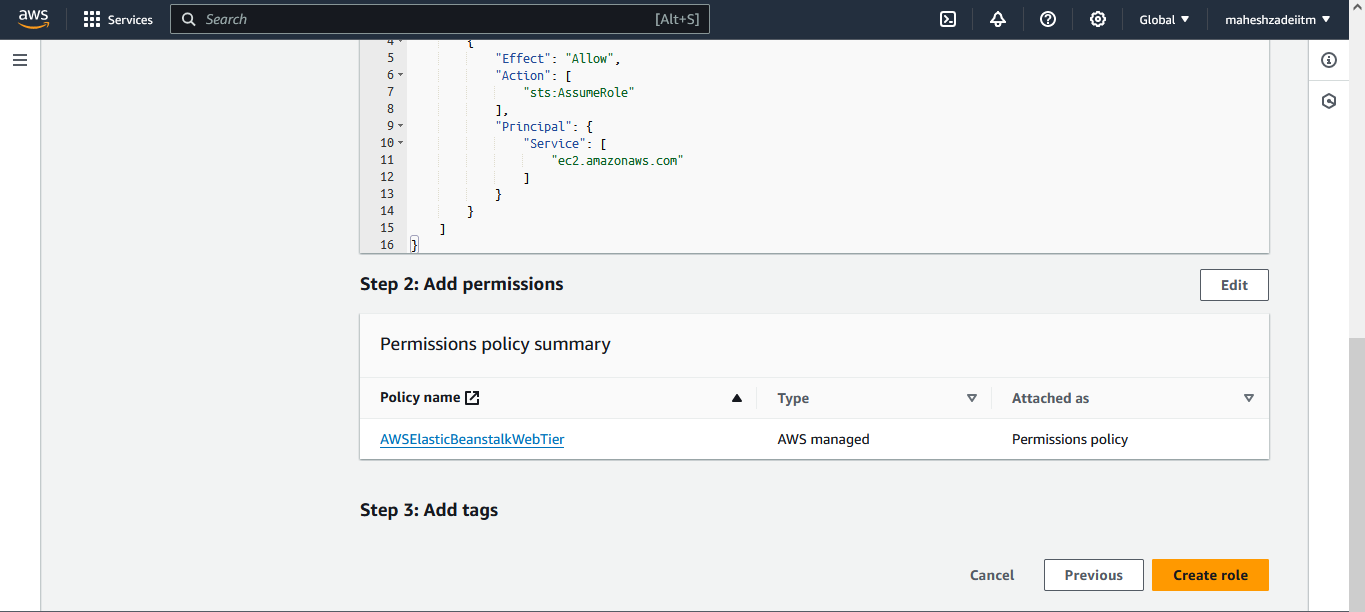
Next

Role name >>> AWSElasticBeanstalkRole1



Create a Role





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Step 2 >>>>> Go to Elastic Beanstalk >>> Create a Application

Environment tier >>>> Web server environment

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Application information >>>> myabcapplication

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Description automatically generated

Environment name >>> will be automatically creating

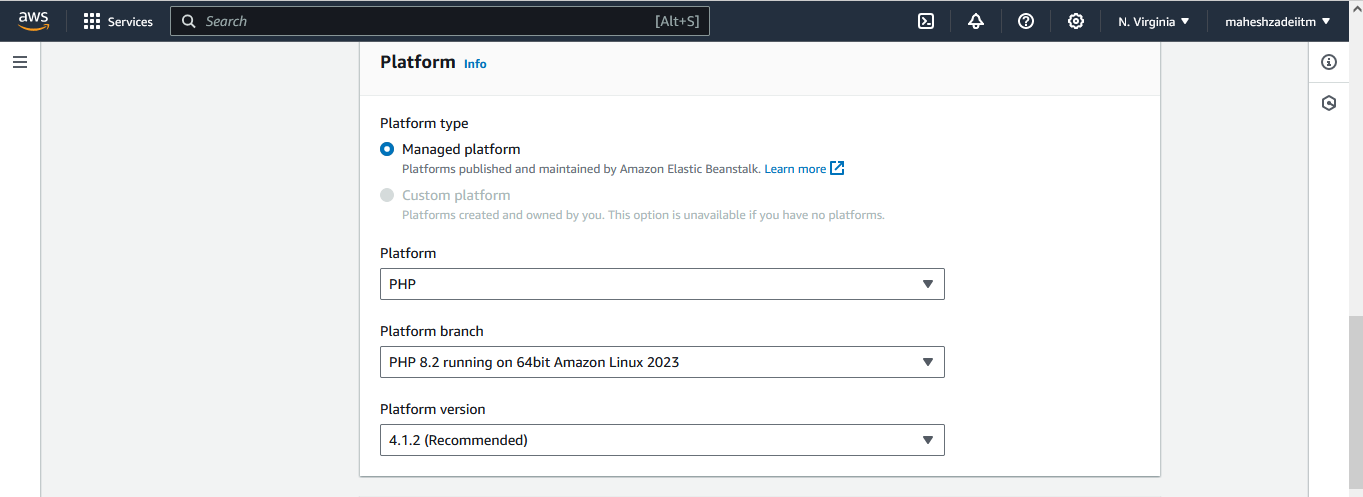
Domain >>> Leave it blank

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Platform type >>>>> Managed platform

Platform >>>>> PHP



Application code >>> Sample application

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Presets >>> Configuration presets >>> Single instance (free tier eligible)

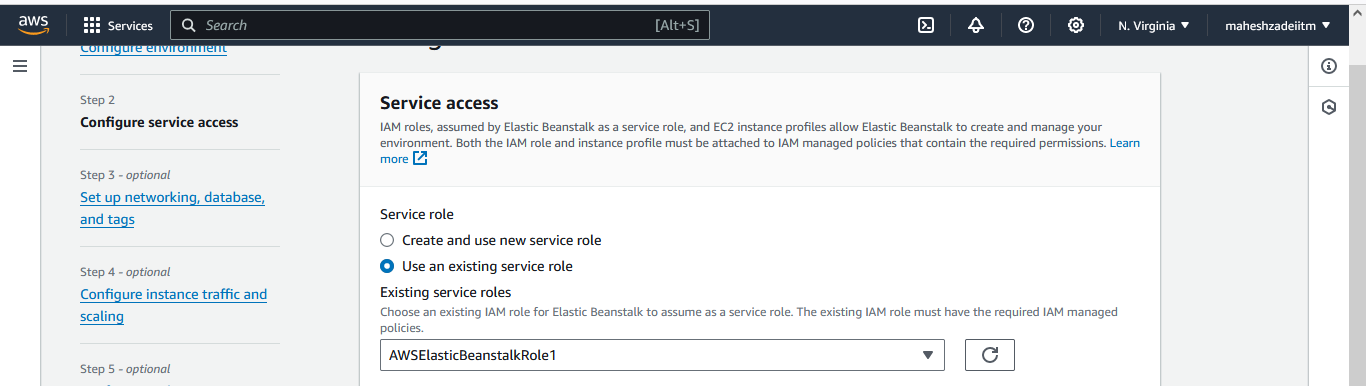
Next

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Configure service access

Service role >>>> Use an existing service role >>> Choose your IAM role that you have created above



EC2 key pair >>> Choose your key-pair

EC2 instance profile >>> Choose your IAM role that you have created above

Next

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Set up networking, database, and tags

VPC >>> Choose your VPC either default or custom

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Instance settings >>> Public IP address >>>> Activated

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Instance subnets >>> Choose your Public Subnet

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Description automatically generated

No Database for this scenario >>> leave all the options and Next

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Leave all the options till EC2 security groups

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Description automatically generated

A screenshot of a computer

Description automatically generated

EC2 security groups >> choose Default SG

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Description automatically generated

Leave all the options till Instance types

Instance types >>> remove those default instance types and choose t2.micro

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Leave all the options >>> Next

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Configure updates, monitoring, and logging

Health reporting >> Basic

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Managed platform updates >>> Uncheck

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Description automatically generated

Leave all the options

Next

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Review and Submit

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Description automatically generated

A screenshot of a computer

Description automatically generated

Now you can monitor what is happening at the Events

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Description automatically generated

Monitor EC2 Instance creating

A screenshot of a computer

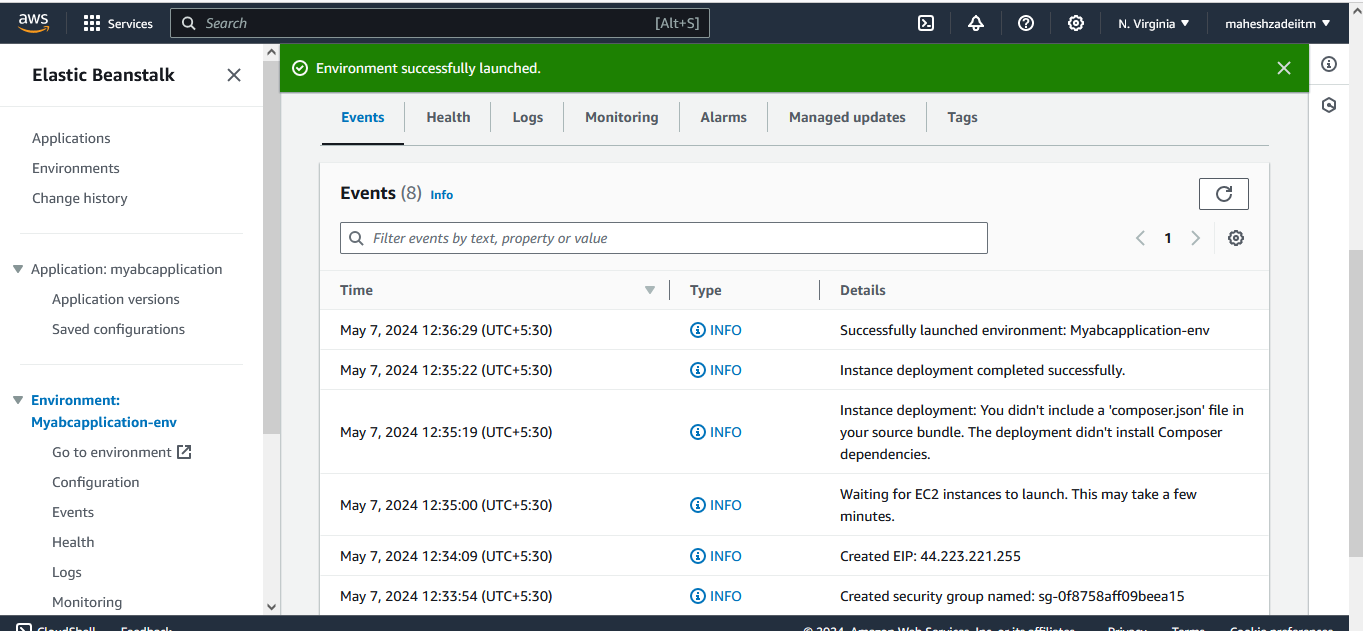
Description automatically generated

Environment Successfully launched

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Description automatically generated

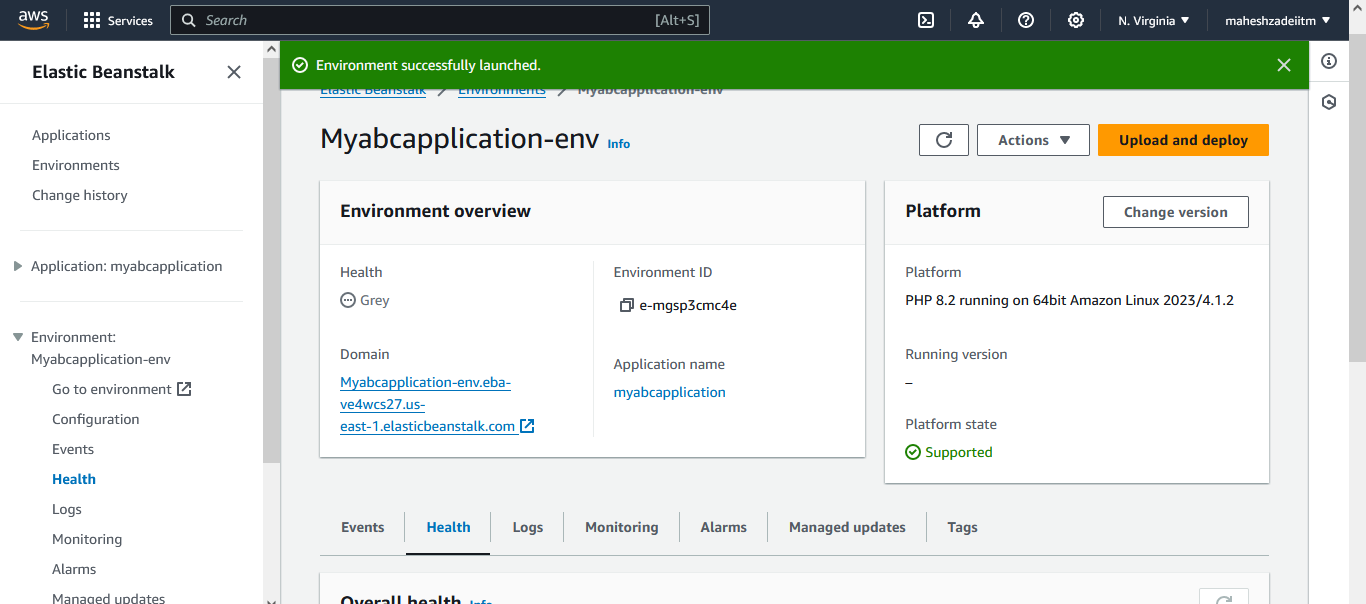
Now Check the Events



A screenshot of a computer

Description automatically generated

Now Check the Doman URL , copy and paste in browser



URL :

<http://myabcapplication-env.eba-ve4wcs27.us-east-1.elasticbeanstalk.com/>

PHP application launched Succesfully

A screenshot of a computer

Description automatically generated

Thanks

Pls check and confirm .