

DEPLOY AND HOST A WEBSITE USING ELASTIC BEANSTALK.

- Open the Elastic Beanstalk console, and in the Region list, select your AWS Region.
- In the navigation pane, choose the name of Environments, and then choose the name of your environment from the list.
- The Environment name is default.

The screenshot shows the 'Configure environment' page in the AWS Elastic Beanstalk console. The left sidebar lists six steps: 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), and Step 6 (Review). The main content area is titled 'Configure environment' and includes three sections: 'Environment tier' with radio buttons for 'Web server environment' (selected) and 'Worker environment'; 'Application information' with a text field for 'Application name' containing 'Shweta'; and 'Environment information' with a text field for 'Environment name' containing 'Shweta-env'. The footer of the console shows 'CloudShell', 'Feedback', and copyright information for 2024.

- In the platform type we select managed platform. And now in the application code we choose sample application.

This screenshot displays the 'Platform' and 'Application code' configuration sections of the AWS Elastic Beanstalk console. The 'Platform' section has a 'Platform type' with radio buttons for 'Managed platform' (selected) and 'Custom platform'. Below this are three dropdown menus: 'Platform' set to 'PHP', 'Platform branch' set to 'PHP 8.2 running on 64bit Amazon Linux 2023', and 'Platform version' set to '4.1.1 (Recommended)'. The 'Application code' section below it has radio buttons for 'Sample application' (selected), 'Existing version', and 'Upload your code'. The footer of the console is identical to the previous screenshot.

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

- Launch an EC2 instance.

aws

Services

Search

[Alt+S]

Mumbai

shweta@123

EC2 Dashboard

EC2 Global View

Events

Instances

- Instances
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts
- Capacity
- Reservations New

Images

- AMIs
- AMI Catalog

Elastic Block Store

- Volumes
- Snapshots
- Lifecycle Manager

Instances (1) Info

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 D
<input type="checkbox"/>	Shweta	i-08acd717b4247fb4d	Running	t2.micro	2/2 checks passed	View alarms	ap-south-1a	ec2-13-235-2-

Select an instance

CloudShell

Feedback

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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.

aws-elasticbeanstalk-service-role

EC2 key pair

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

rajan123

EC2 instance profile

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

ec2

View permission details

Cancel

Skip to review

Previous

Next

CloudShell

Feedback

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- Add a vpc and activate public Ip address and select two public subnets.

Set up networking, database, and tags - optional

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-0af6473ee05c618fc | (10.0.0.0/16) | project-vpc

[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

Filter instance subnets

	Availability Zone	Subnet	CIDR	Name
<input checked="" type="checkbox"/>	ap-south-1b	subnet-049a735e1...	10.0.16.0/20	project-subnet-pu...
<input type="checkbox"/>	ap-south-1b	subnet-055a33833...	10.0.144.0/20	project-subnet-pri...
<input type="checkbox"/>	ap-south-1a	subnet-06f98e5c6...	10.0.128.0/20	project-subnet-pri...
<input checked="" type="checkbox"/>	ap-south-1a	subnet-0b632016...	10.0.0.0/20	project-subnet-pu...

- The root volume, cloud watch monitoring and auto scaling group are selected by default.

Configure instance traffic and scaling - optional

Instances
Configure the Amazon EC2 instances that run your application.

Root volume (boot device)

Root volume type
(Container default)

Size
The number of gigabytes of the root volume attached to each instance.
8 GB

IOPS
Input/output operations per second for a provisioned IOPS (SSD) volume.
100 IOPS

Throughput
The desired throughput to provision for the Amazon EBS root volume attached to your environment's EC2 instance
125 MiB/s

Amazon CloudWatch monitoring
The time interval between when metrics are reported from the EC2 instances

Monitoring interval
5 minute

Capacity Info

Configure the compute capacity of your environment and auto scaling settings to optimize the number of instances used.

Auto scaling group

Environment type
Select a single-instance or load-balanced environment. You can develop and test an application in a single-instance environment to save costs and then upgrade to a load-balanced environment when the application is ready for production. [Learn more](#)

Single instance

Instances

1 Min

1 Max

Fleet composition
Spot instances are launched at the lowest available price. [Learn more](#)

☒ On-Demand instance

☐ Spot instance

Maximum spot price
The maximum price per instance-hour, in USD, that you're willing to pay for a Spot Instance. Setting a custom price limits your chances to fulfill your target capacity using Spot instances.

☐ Default

☒ Set your maximum price

On-Demand base
The minimum number of On-Demand Instances that your Auto Scaling group provisions before considering Spot Instances as your environment scales out.

0

- In health monitoring select basic system.

Configure updates, monitoring, and logging - optional Info

Monitoring Info

Health reporting
Enhanced health reporting provides free real-time application and operating system monitoring of the instances and other resources in your environment. The **EnvironmentHealth** custom metric is provided free with enhanced health reporting. Additional charges apply for each custom metric. For more information, see [Amazon CloudWatch Pricing](#)

System

☒ Basic

☐ Enhanced

Health event streaming to CloudWatch Logs
Configure Elastic Beanstalk to stream environment health events to CloudWatch Logs. You can set the retention up to a maximum of ten years and configure Elastic Beanstalk to delete the logs when you terminate your environment.

Log streaming

☒ Activated (standard CloudWatch charges apply.)

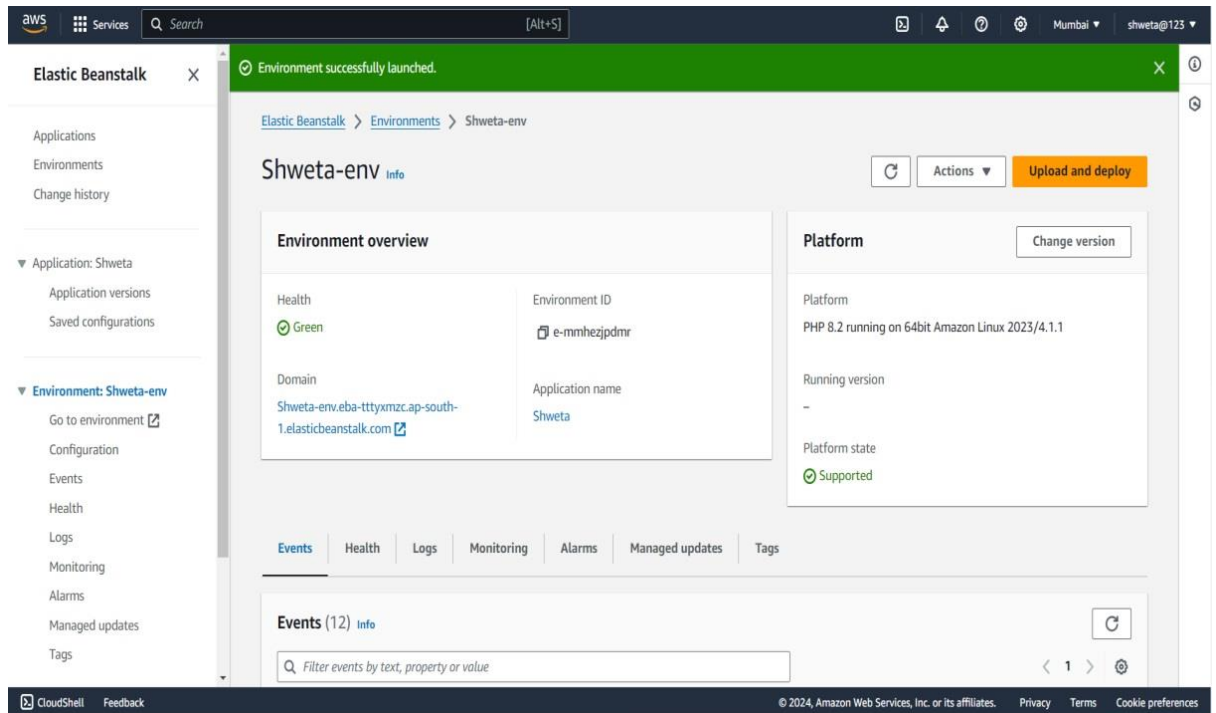
Retention

7

Lifecycle

Keep logs after terminating environment

- In the environment overview the health is green and we can see a domain name.



- Copy the domain name and open in a new tab we can see the web page of a beanstalk using php platform.

