# **Practical-6 Platform as a service using AWS** Name: Sahil Jadhav Roll no: A021 **MSc SDS Batch 1**

1. We'll be using Elastic Beanstalk - Python



2. There will be the steps

3. Fill in the details

#### 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

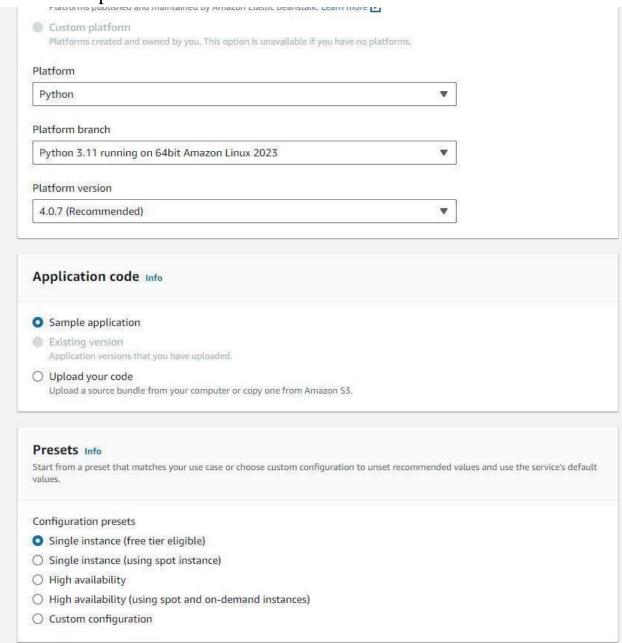
Step 6

Review

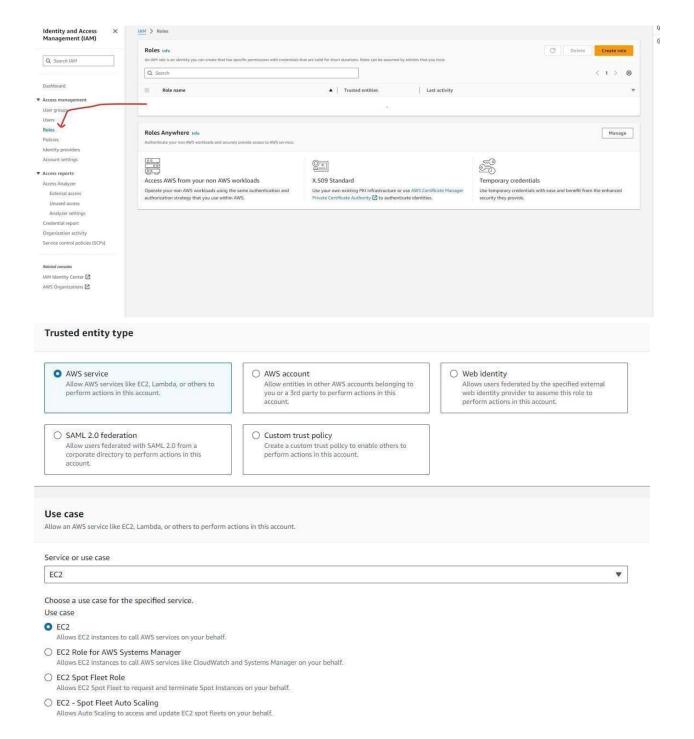
### 3. Fill in the details

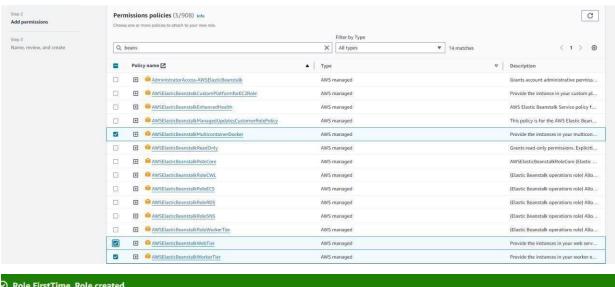
Environment tier Info		
Amazon Elastic Beanstalk has two types of environr	ment tiers to support different types of web application	ns.
• Web server environment		
Run a website, web application, or web API that	t serves HTTP requests. Learn more 🗹	
Worker environment Run a worker application that processes long-ru	unning workloads on demand or performs tasks on a so	hedule. Learn more 🔼
Application information Info		
Application name		
WebAPP		
Maximum length of 100 characters.		
► Application tags (optional)		
► Application tags (optional)  Environment information Info		
Environment information Info	our environment. These cannot be changed later.	
Wild 200,000 W	our environment. These cannot be changed later.	
Environment information Info Choose the name, subdomain and description for yo	our environment. These cannot be changed later.	
Environment information Info Choose the name, subdomain and description for your subdo	ne can contain only letters, numbers, and hyphens. It ca	ın't start or end with a hyphen.
Environment information Info Choose the name, subdomain and description for you Environment name WebAPP-env Must be from 4 to 40 characters in length. The name	ne can contain only letters, numbers, and hyphens. It ca	in't start or end with a hyphen.

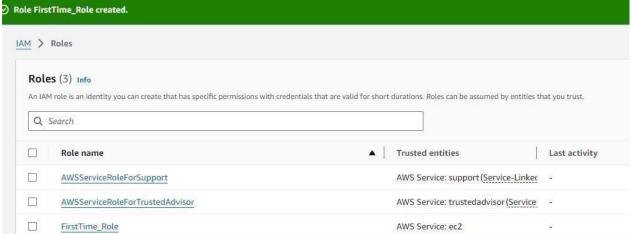
4. Select the platform



5. Go to the IAM services -> Create role

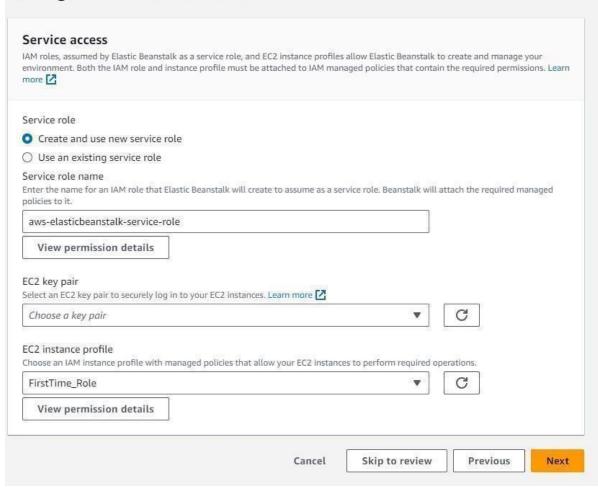




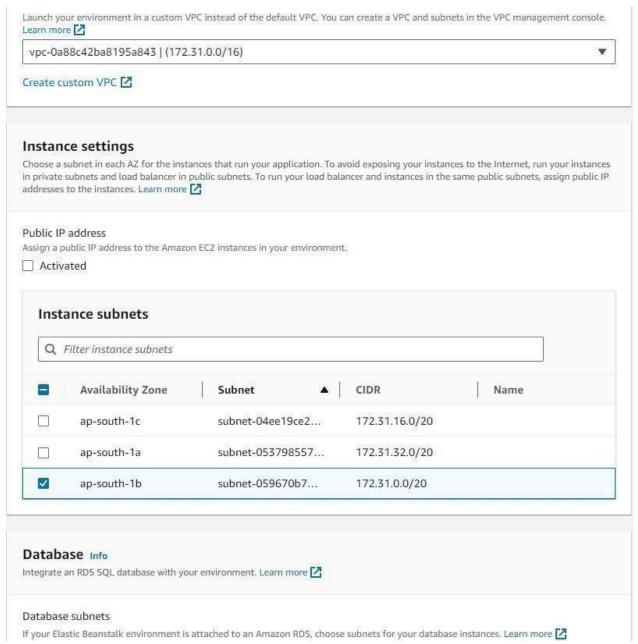


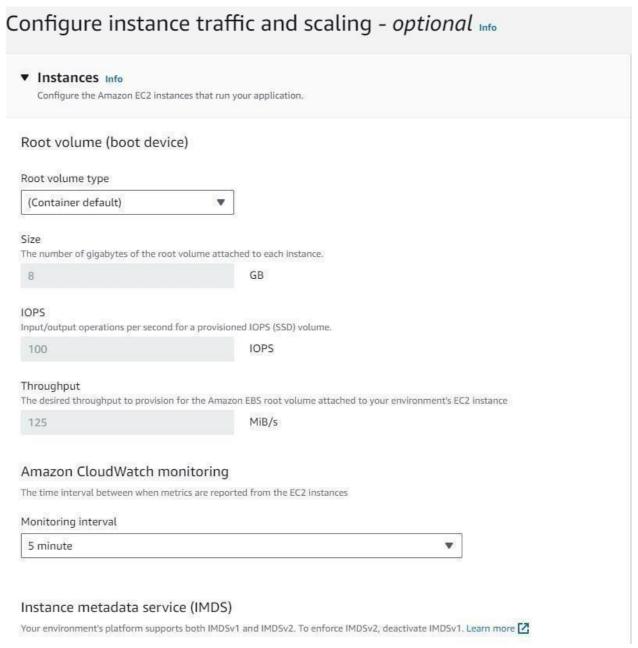
6. Create new service role, and select the EC instance profile

## Configure service access Info



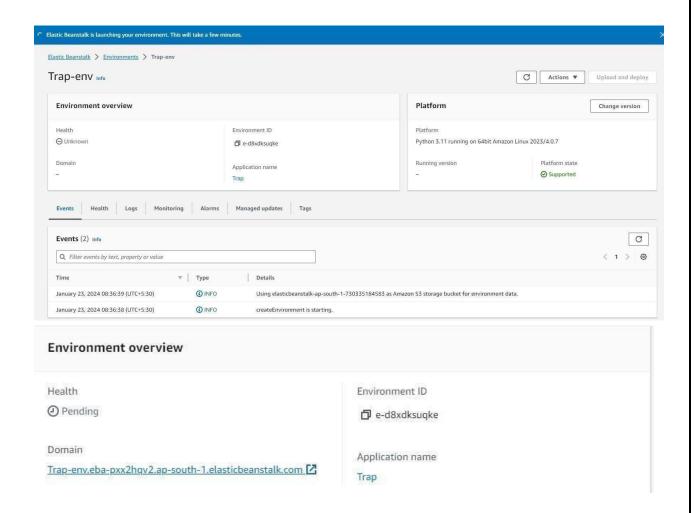
7. Set up network and database



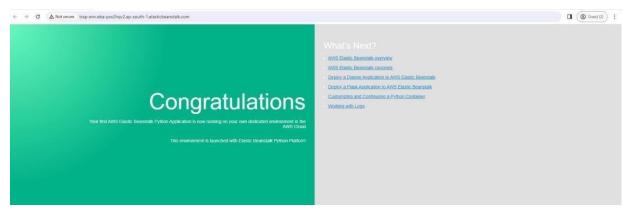


# Configure updates, monitoring, and logging - optional Info ▼ Monitoring Info Health reporting Enhanced health reporting provides free real-time application and operating system monitoring of the instances and other resources in your environment. The EnvironmentHealth custom metric is provided free with enhanced health reporting. Additional charges apply for each custom metric. For more information, see Amazon CloudWatch Pricing [2] System O Basic Enhanced CloudWatch Custom Metrics - Instance Choose metrics CloudWatch Custom Metrics - Environment Choose metrics 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 Lifecycle Keep logs after terminating environment

- 10. Review and submit!
- 11. The environment will start launching



## The webapp is launched!

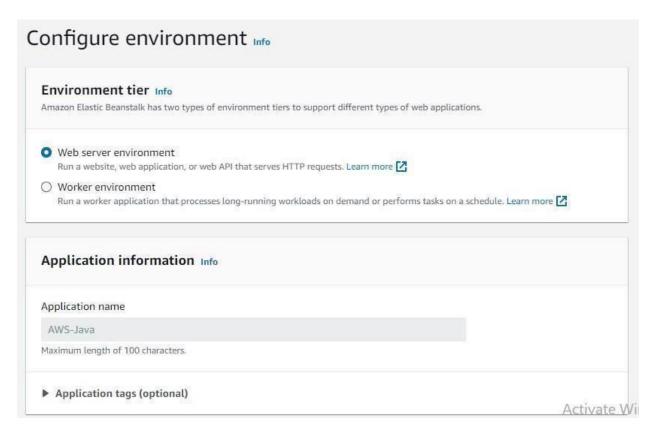


1. We'll be using Elastic Beanstalk - Java

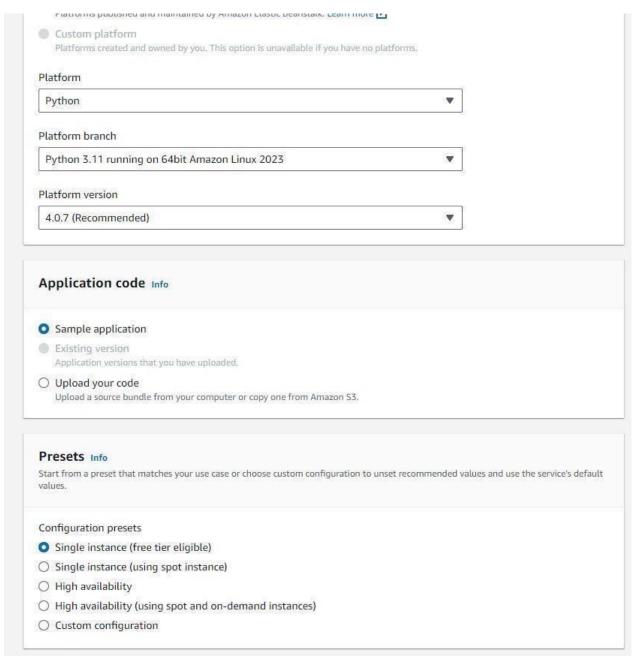


# 2. There will be the steps

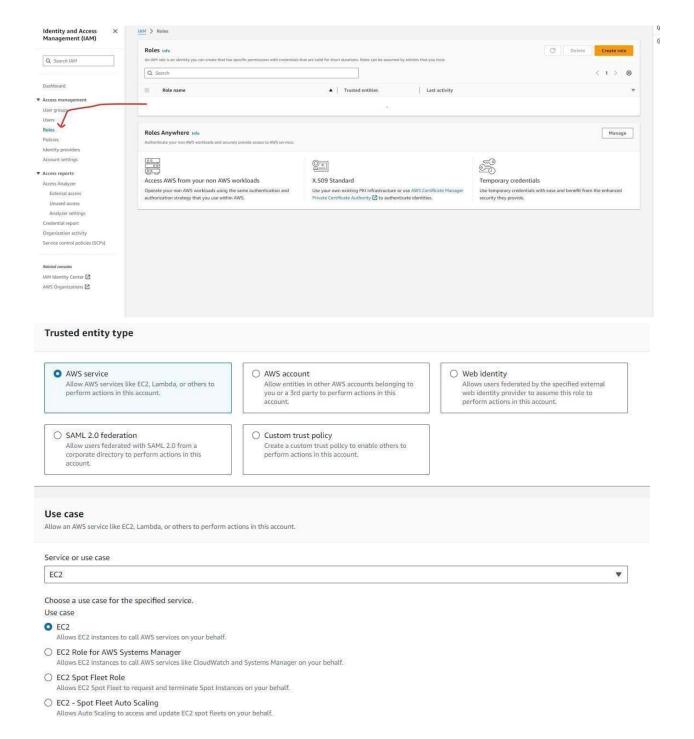
Configure	environment
Step 2	
Configure :	service access
Step 3 - opti	onal
Set up net	working, database,
and tags	
Step 4 - opti	onal
Configure i	instance traffic and
scaling	
Step 5 - opti	onal
Configure	updates, monitoring,
and loggin	9
Step 6	
Review	

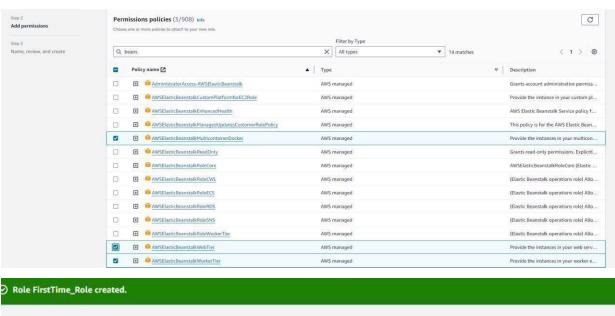


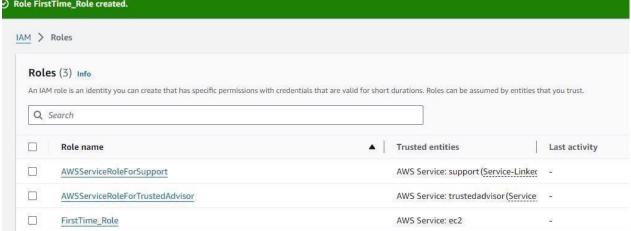
## 12. Select the platform



13. Go to the IAM services -> Create role



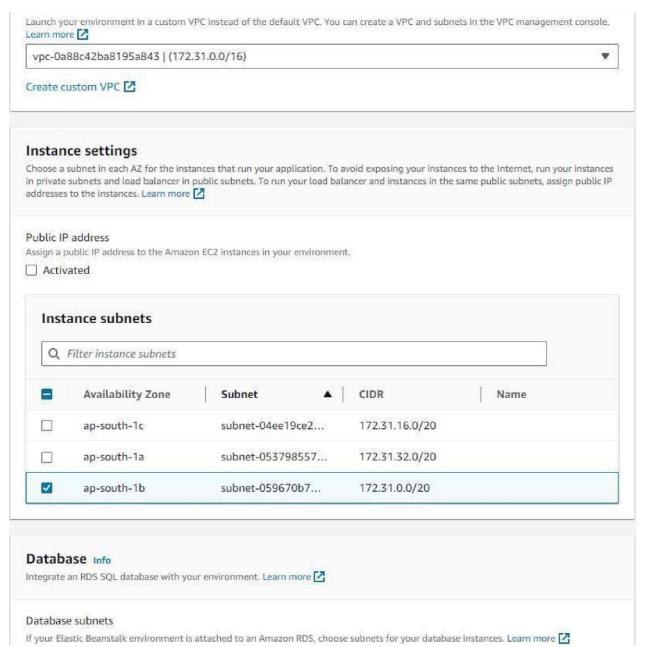


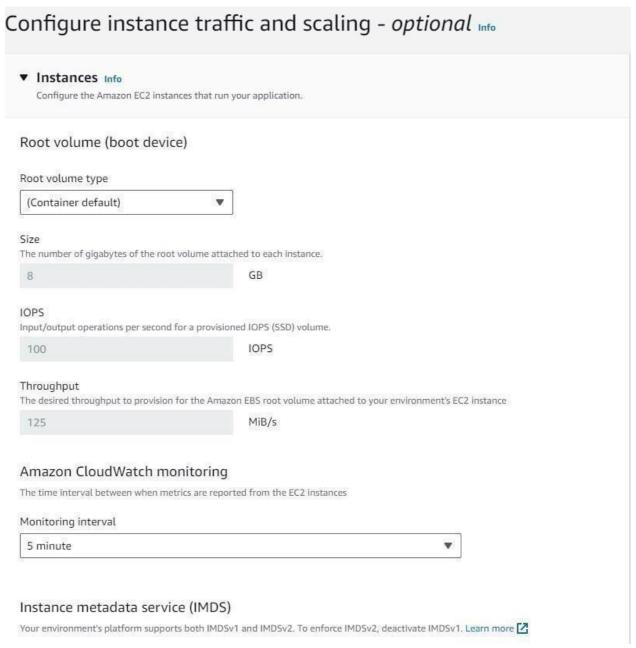


14. Create new service role, and select the EC instance profile

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View permission details  EC2 key pair  Select an EC2 key pair to securely log in to your EC2 instances. Learn more	C
View permission details EC2 key pair	
View permission details EC2 key pair	
aws-elasticpeanstalk-service-role	
Enter the name for an IAM role that Elastic Beanstalk will create to assume as a service role. Beanstalk will policies to it.	attach the requ
Service role name	attack the com-
Use an existing service role	
Oreate and use new service role	
Service role	

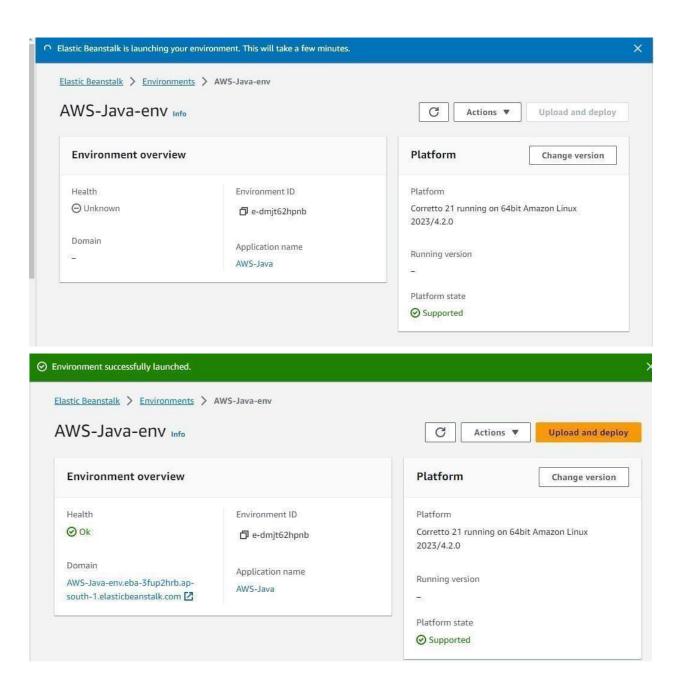
15. Set up network and database





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