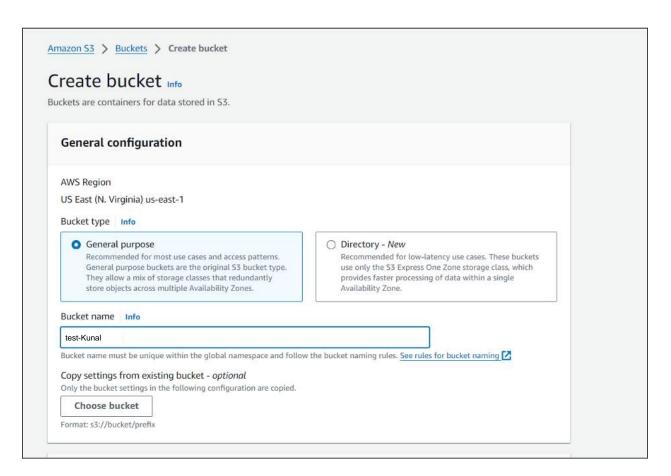
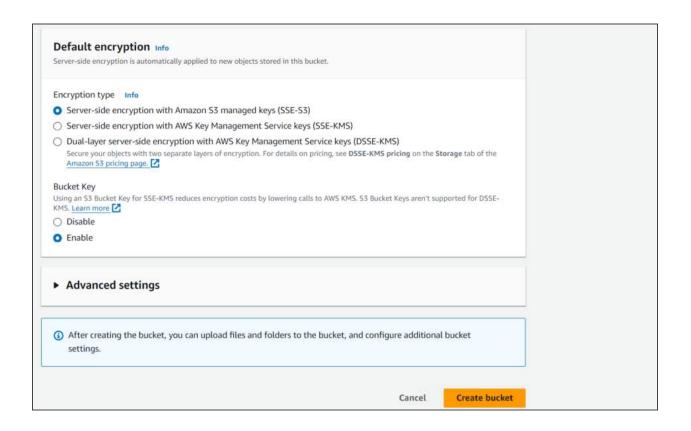
Experiment 2

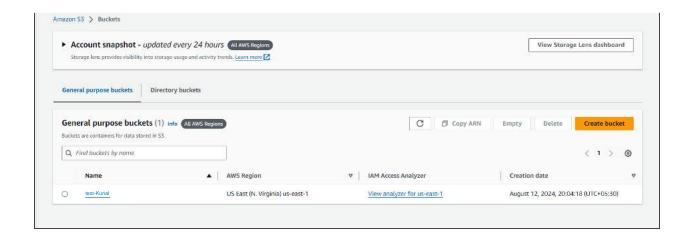
Aim: To Build Your Application using AWS CodeBuild and Deploy on S3 / SEBS using AWS CodePipeline, deploy Sample Application on EC2 instance using AWS CodeDeploy.

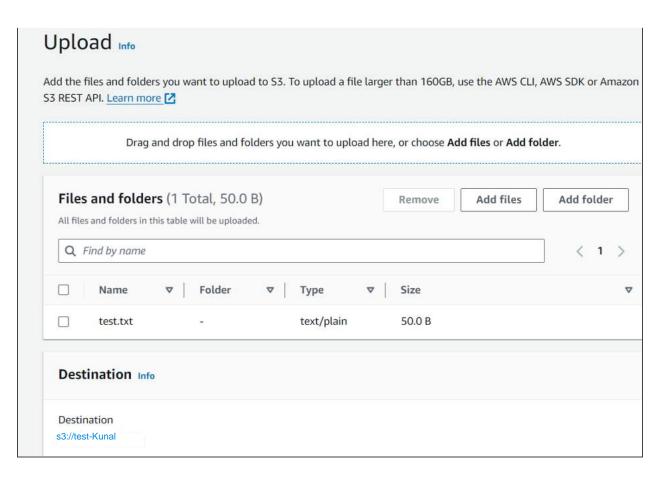
Contents:

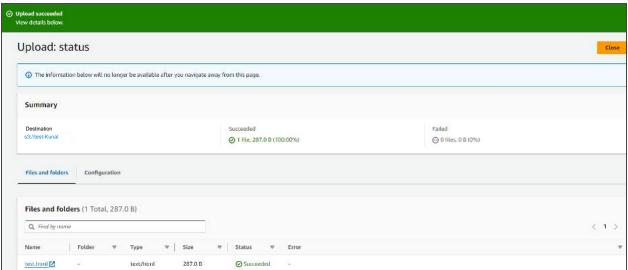
- 1. s3 bucket
- 2. ec2 instance
- 3. elastic beanstalk
- s3 bucket

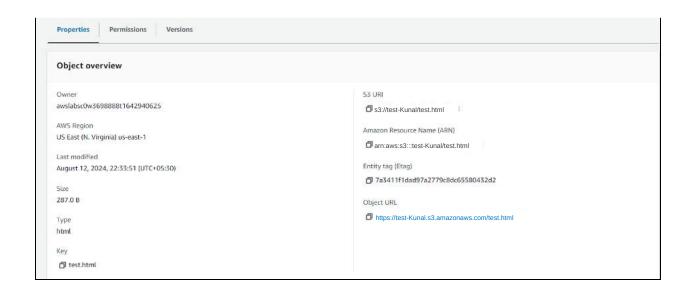


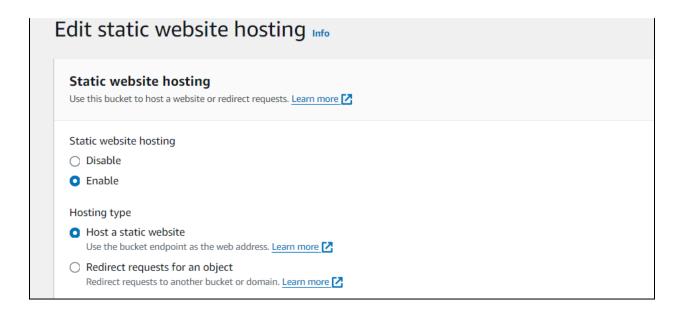


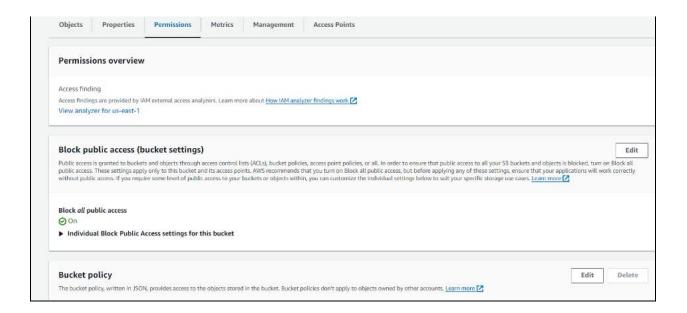






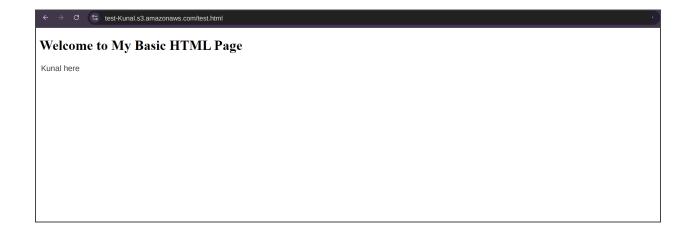




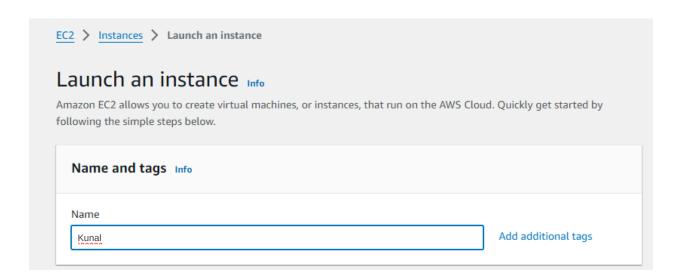


```
Bucket policy
The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. Learn more 

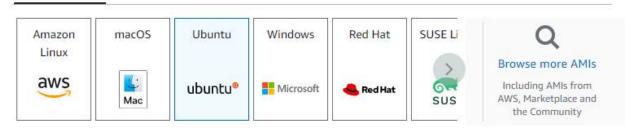
{
    "Version": "2012-10-17",
    "Statement": [
    {
        "Sid": "PublicReadGetObject",
        "Effect": "Allow",
        "Principal": "*",
        "Action": "33:GetObject",
        "Resource": "arn:aws:s3:::test-Kunal/*"
    }
    ]
}
```



Launching an EC2 instance



Quick Start



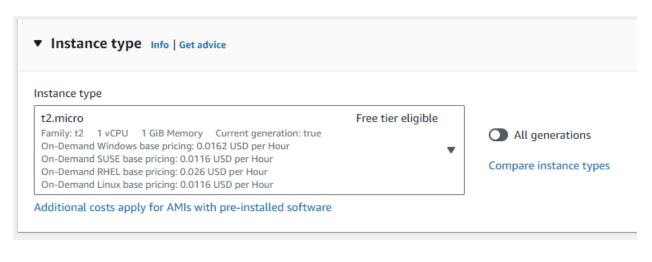
Amazon Machine Image (AMI)

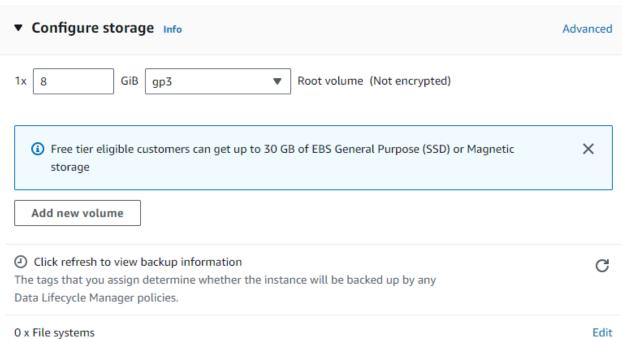


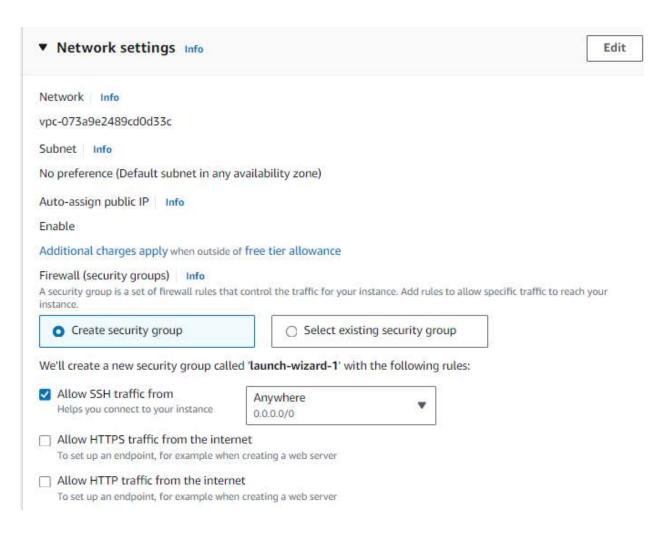
Description

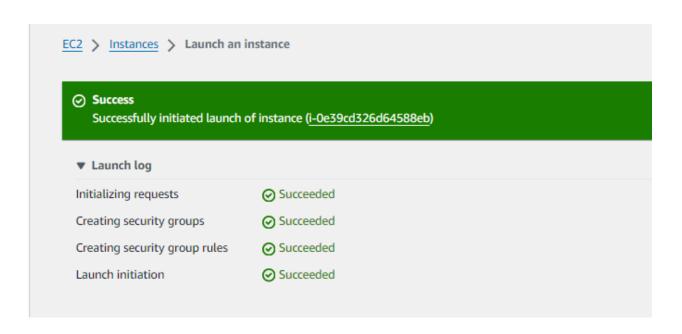
Ubuntu Server 24.04 LTS (HVM), EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services).

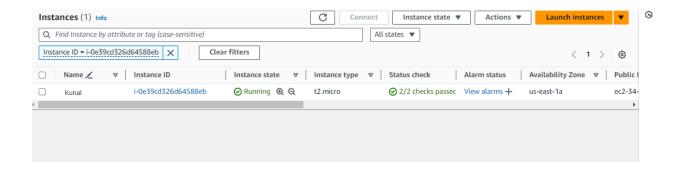


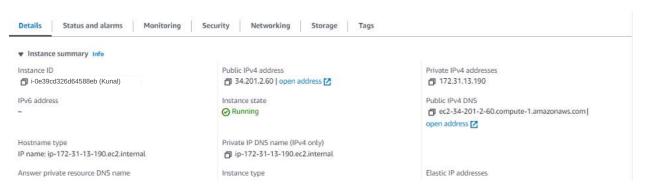












```
[ec2-user@ip-172-31-13-190 ~]$ ls
[ec2-user@ip-172-31-13-190 ~]$ echo "hello"
hello
[ec2-user@ip-172-31-13-190 ~]$ cat > myfile.txt
this is advanced devops lab
^C
[ec2-user@ip-172-31-13-190 ~]$ cat myfile
cat: myfile: No such file or directory
[ec2-user@ip-172-31-13-190 ~]$ cat myfile.txt
this is advanced devops lab
[ec2-user@ip-172-31-13-190 ~]$
```

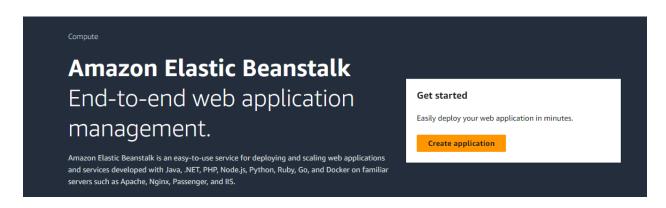
```
root@ip-172-31-32-173:~ sudo su
root@ip-172-31-32-173:~ apt install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
   apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1-dbd-sql:
Suggested packages:
   apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browse
The following NEW packages will be installed:
   apache2 apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1-
0 upgraded, 10 newly installed, 0 to remove and 26 not upgraded.
Need to get 1680 kB/2083 kB of archives.
After this operation, 8094 kB of additional disk space will be used.
```

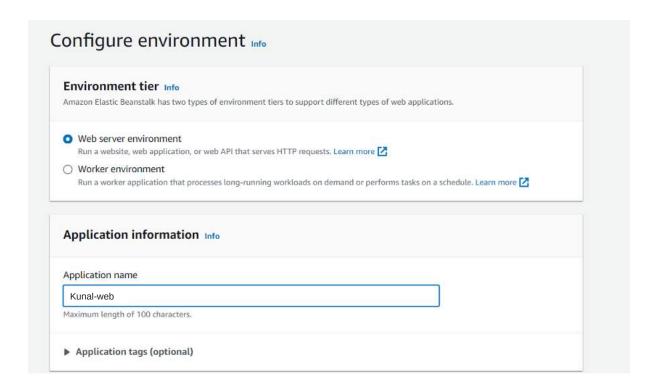
```
Jul 30 08:58:11 ip-172-31-32-173 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Jul 30 08:58:11 ip-172-31-32-173 systemd[1]: Started apache2.service - The Apache HTTP Server.
root@ip-172-31-32-173:~‡ cd /var/www/html
```





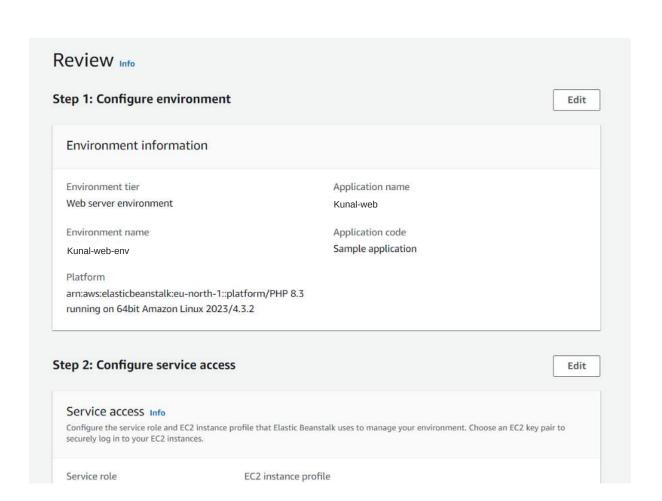
Elastic beanstalk

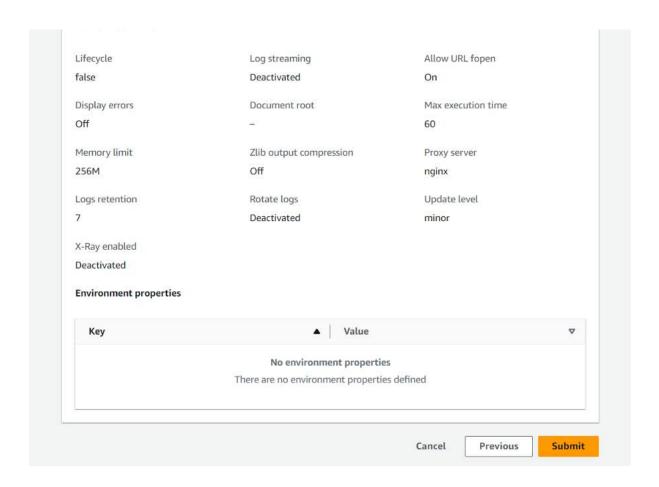


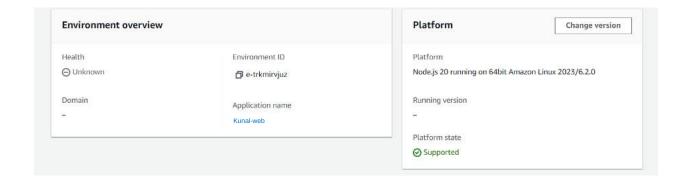


Platform type ■ Managed platform Platforms published and maintained by Amazon Elastic Beanstalk. Learn more ■ Custom platform Platforms created and owned by you. This option is unavailable if you have no platforms. Platform Node.js Platform branch Node.js 20 running on 64bit Amazon Linux 2023 ▼

6.2.0 (Recommended)







Congratulations

Your first AWS Elastic Beanstalk Node is application is now running on your own dedicated environment in the AWS Cloud

What's Next?

- AWS Elastic Beanstalk overview
 AWS Elastic Beanstalk concepts
 Deploying an Express Application to AWS Elastic Beanstals.