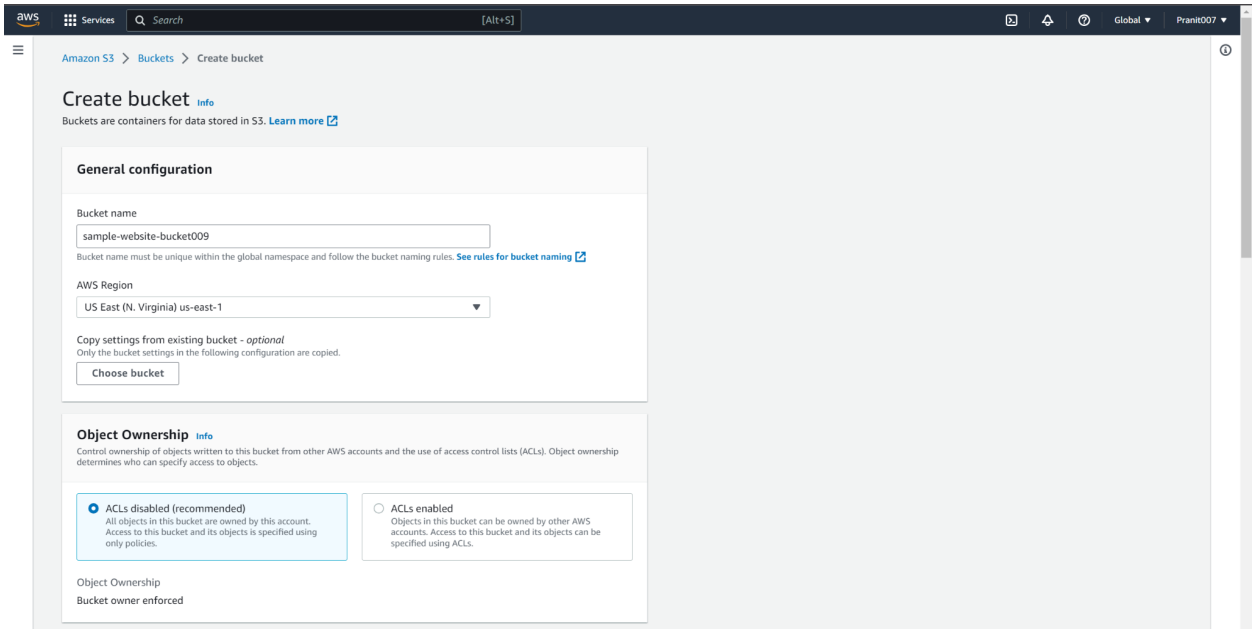
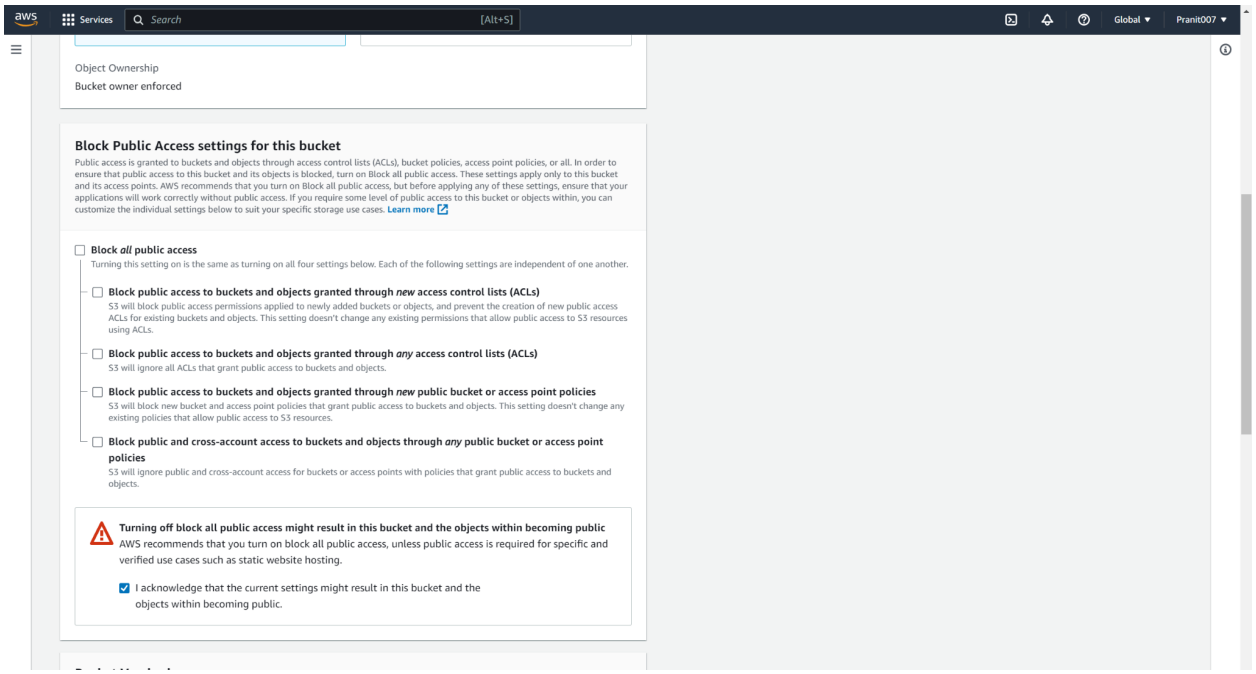
(1)Use codedeploy inorder to deploy code to EC2 and code is in S3 bucket.

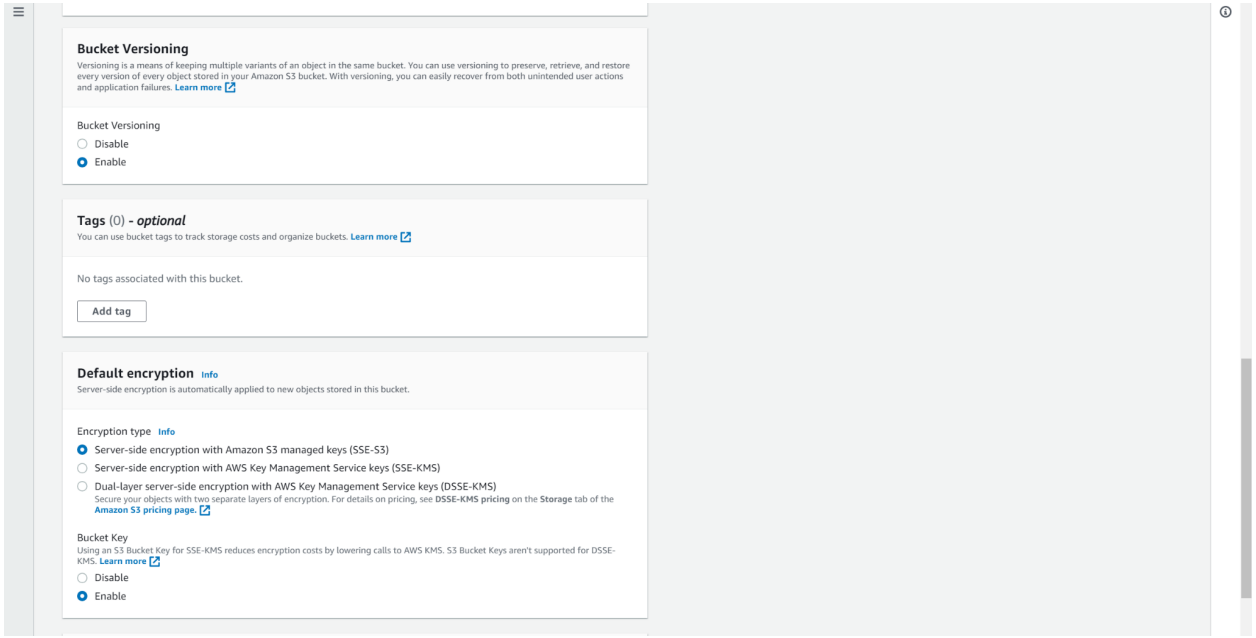
1.Create S3 bucket.



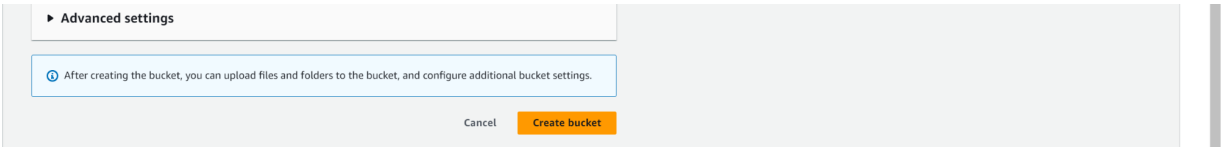
2.Enable Public Access(means unticked all the checkboxes)



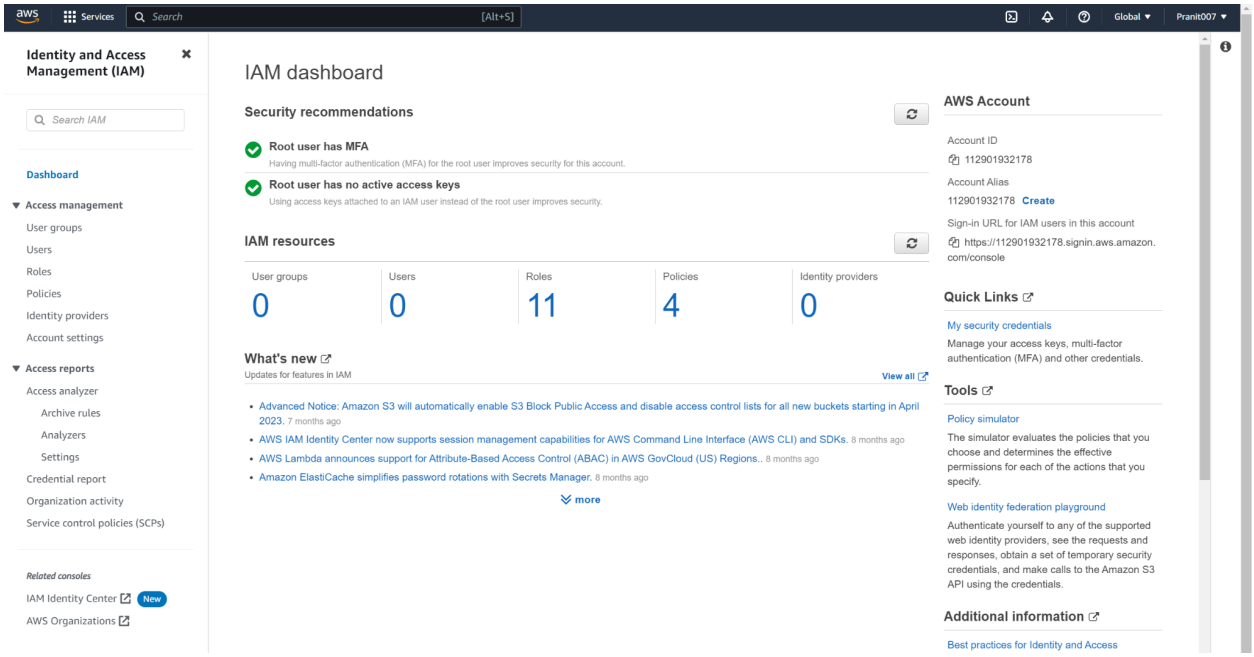
3.Enable bucket Versioning



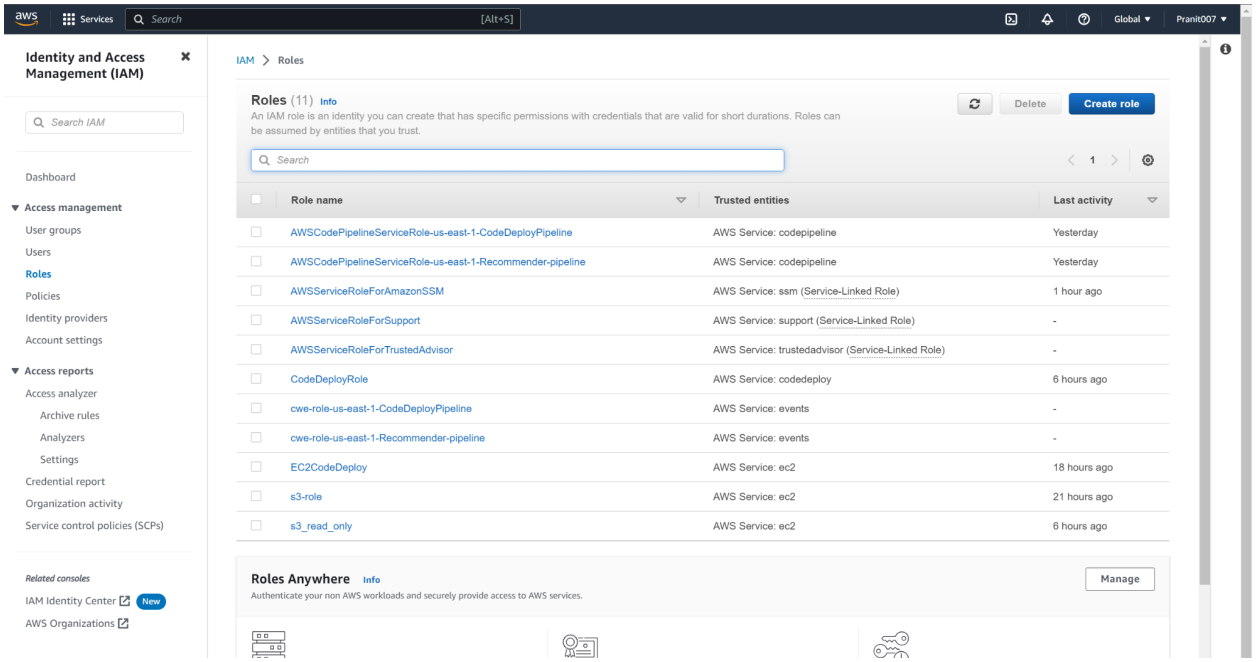
4.Now create the bucket



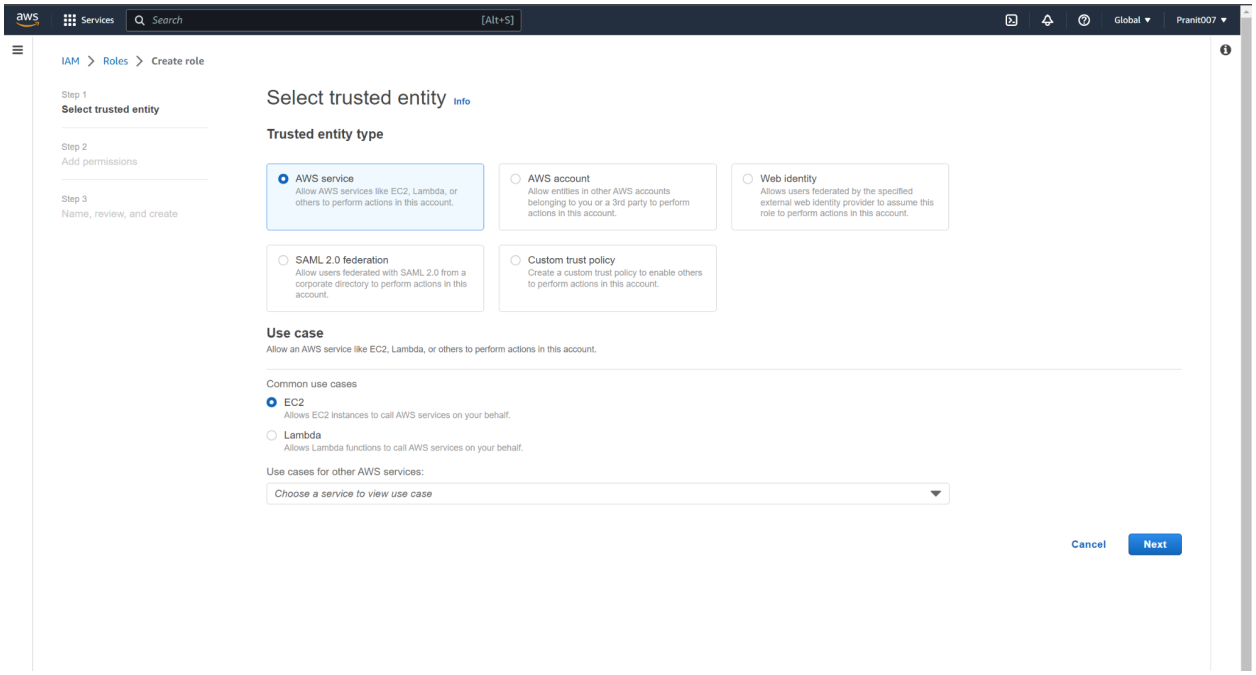
5.Go to IAM dashboard



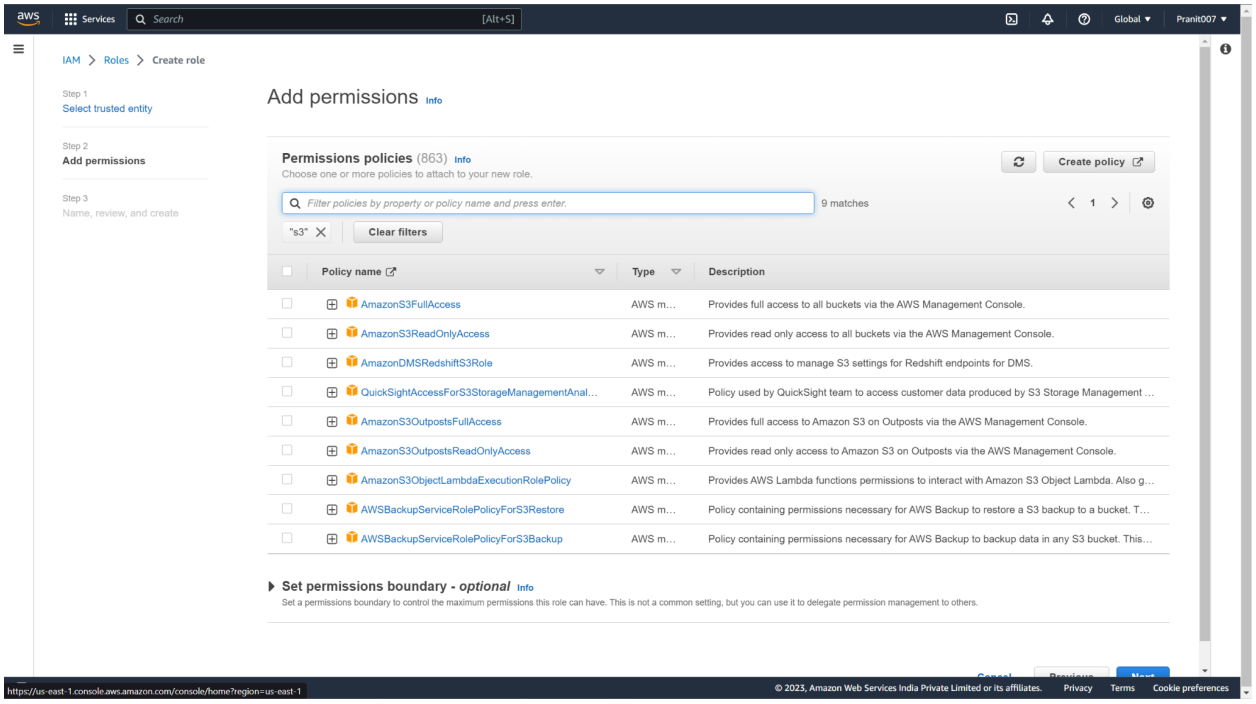
6.Create a IAM role

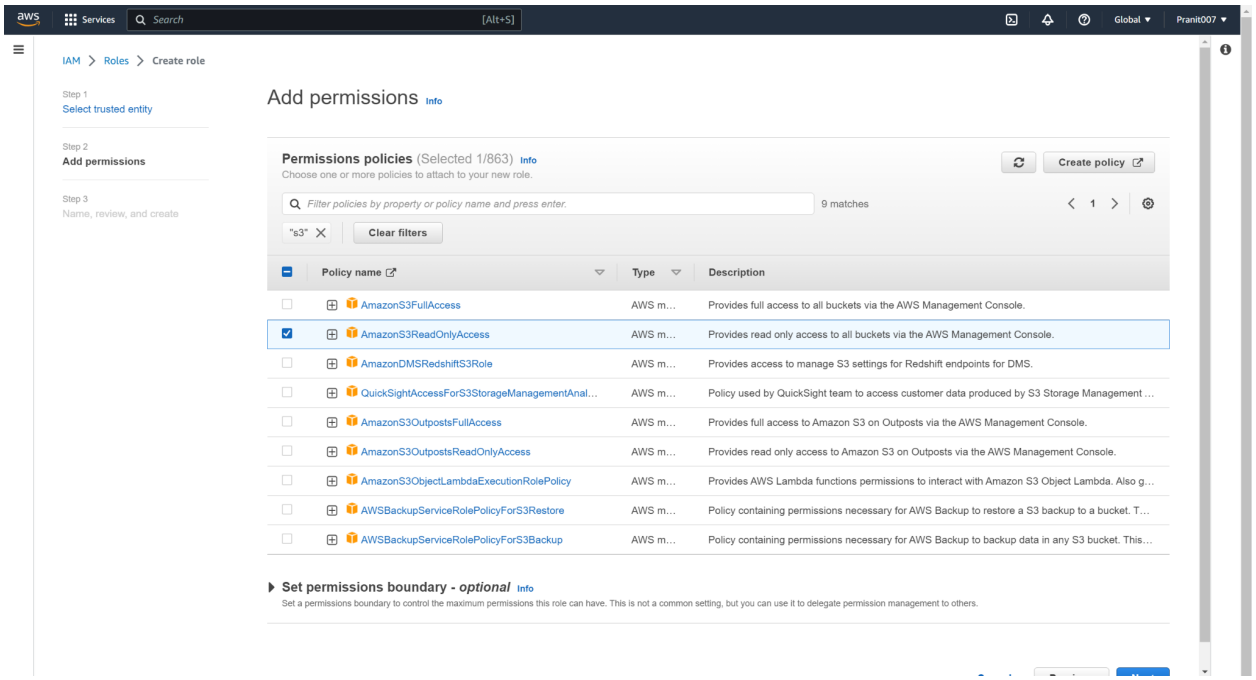


7.Select EC2

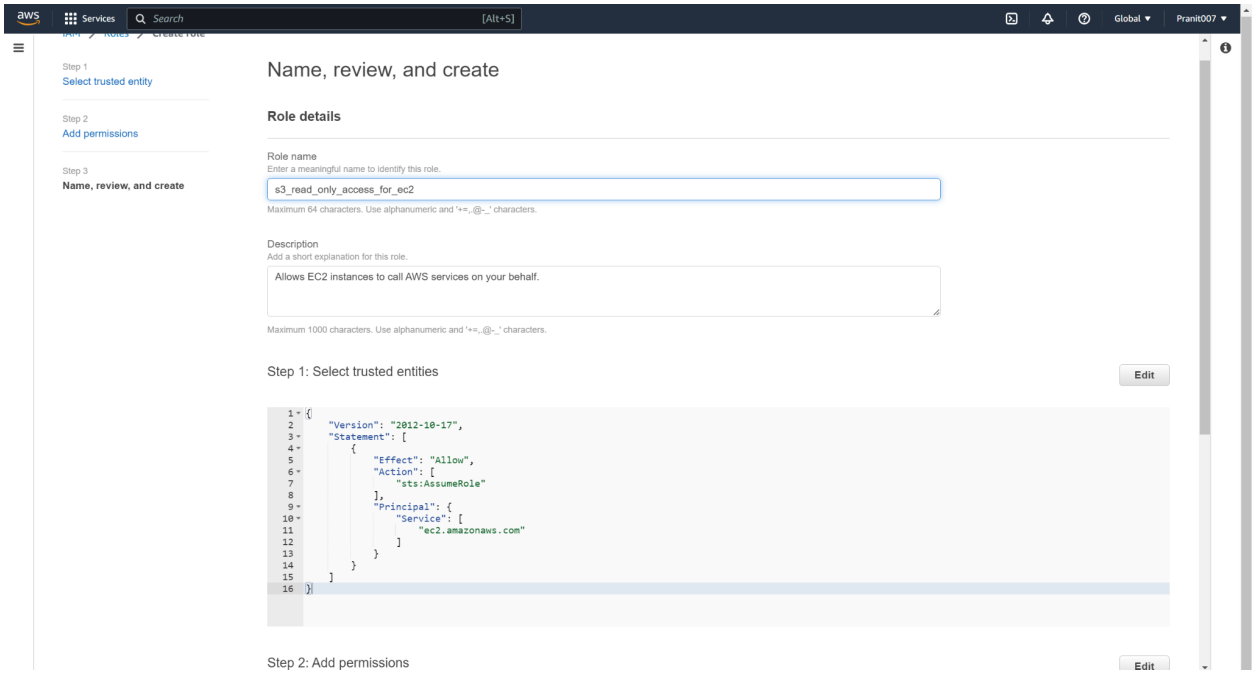


8.Search S3 and select AmazonS3ReadOnlyAccess policy.

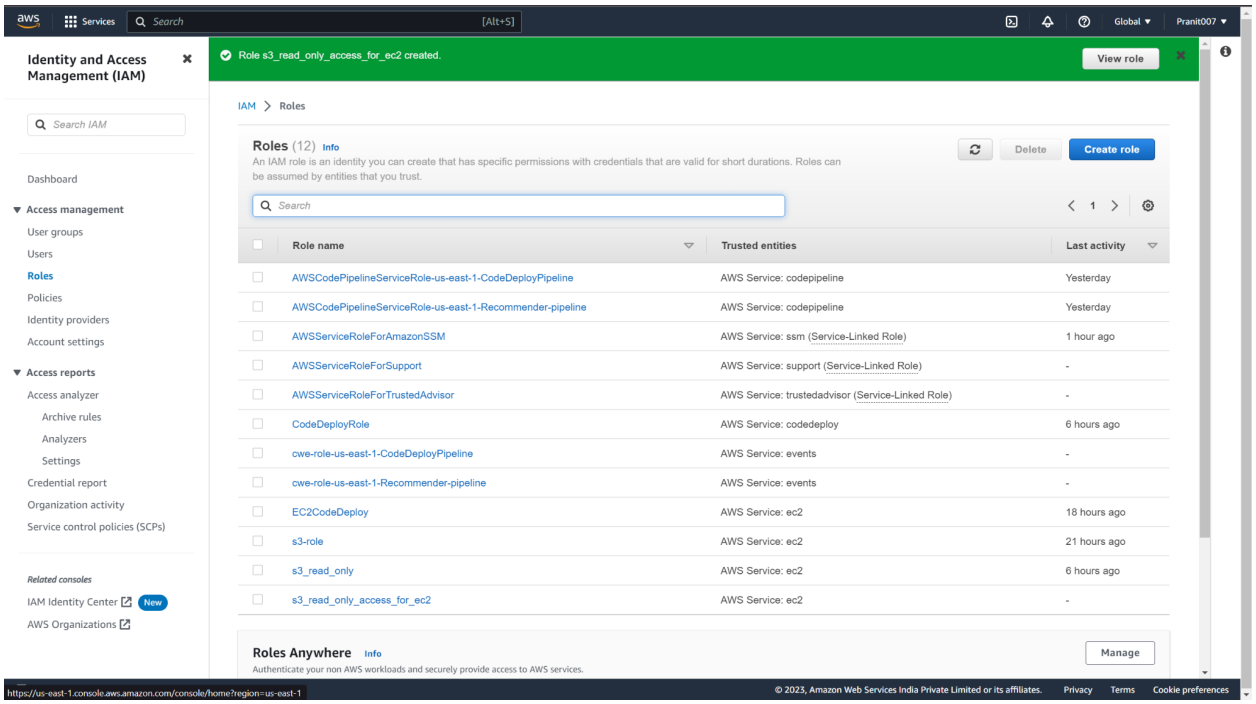




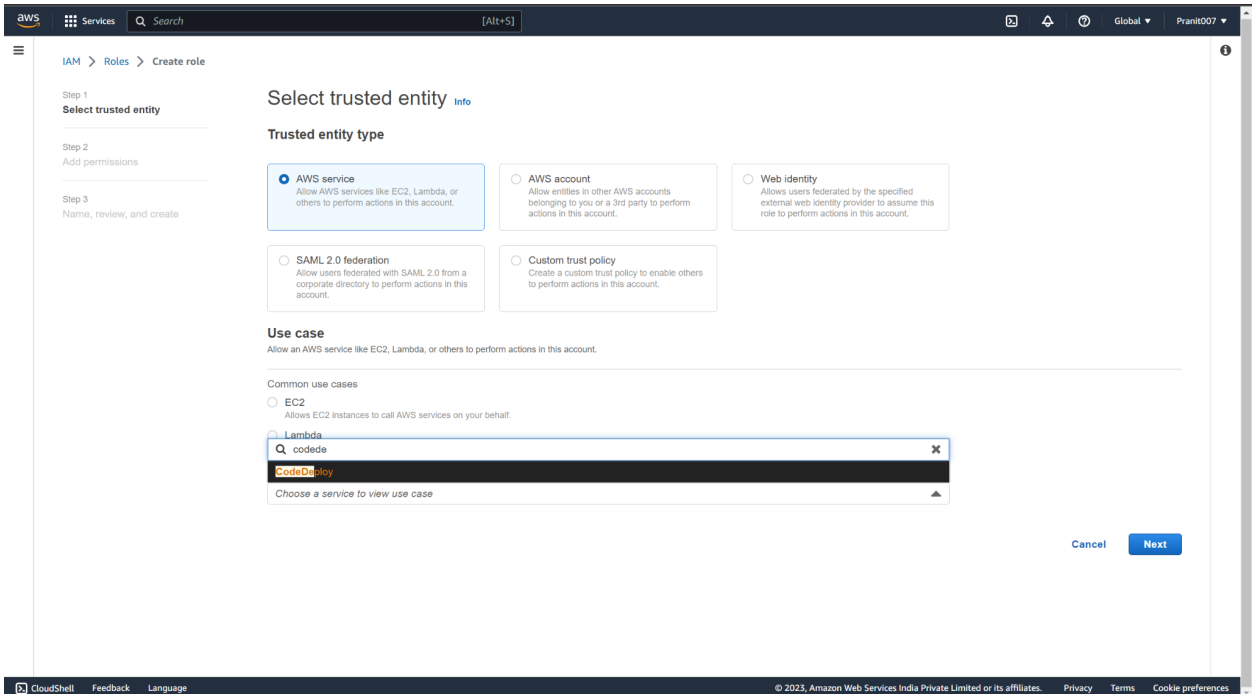
9.Enter the role name

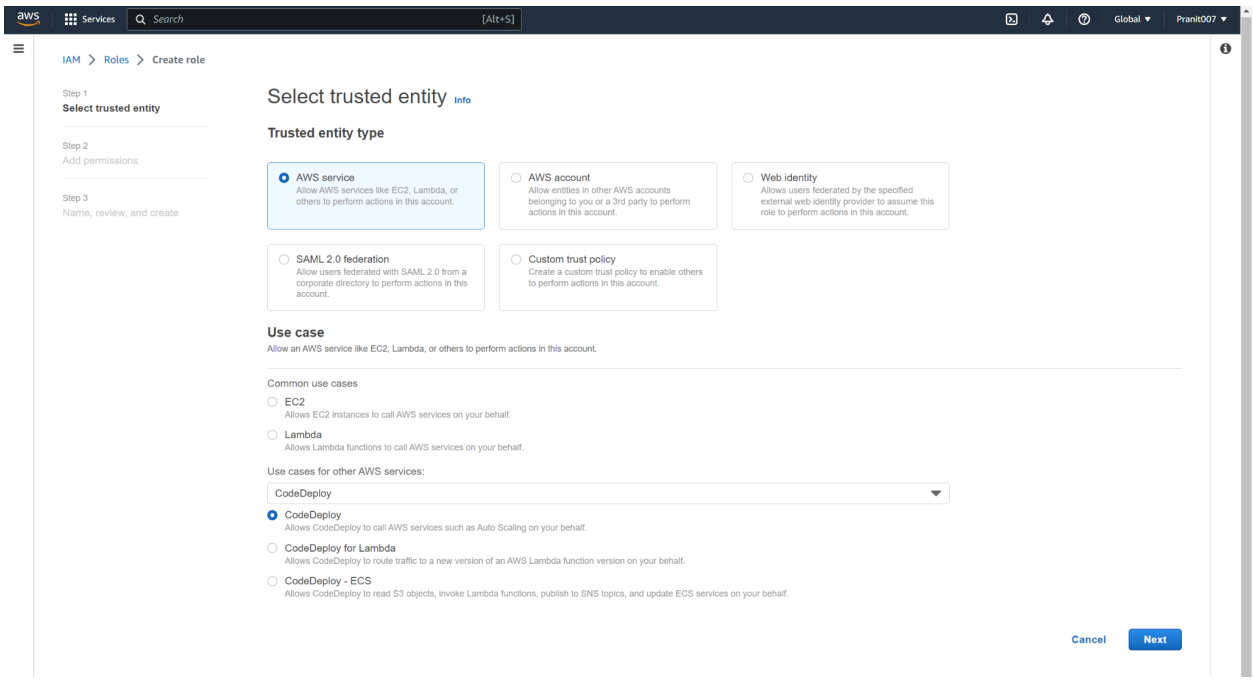


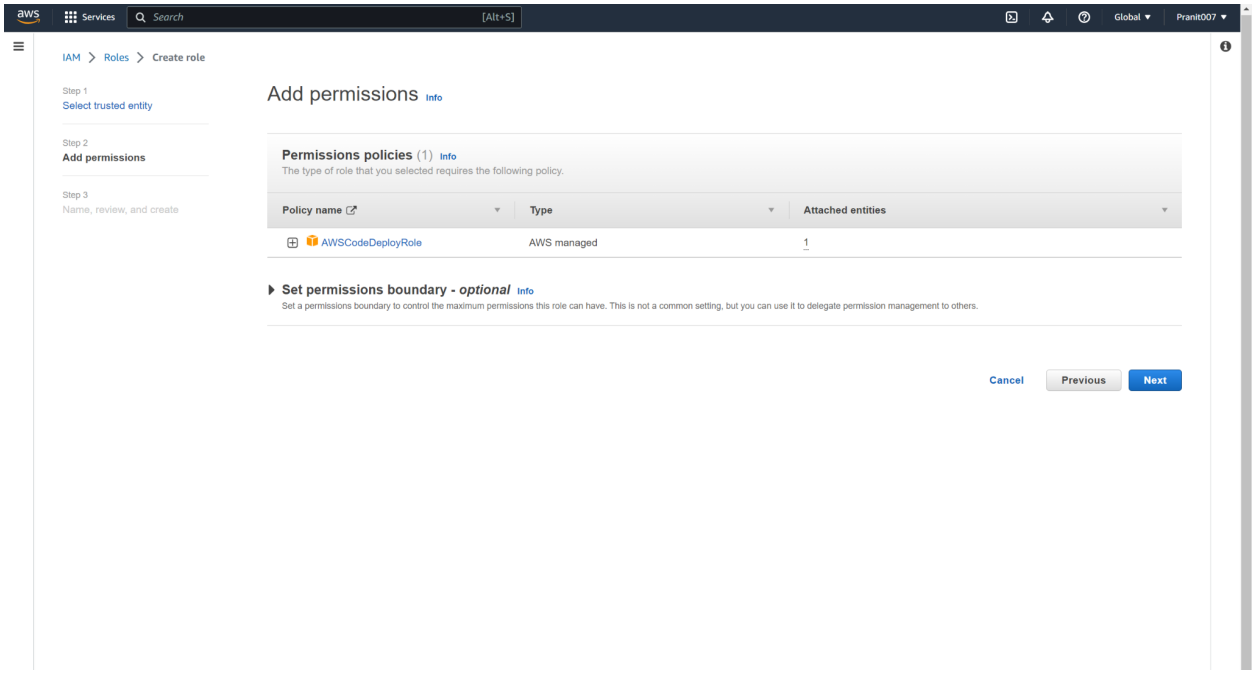
10.Click create role



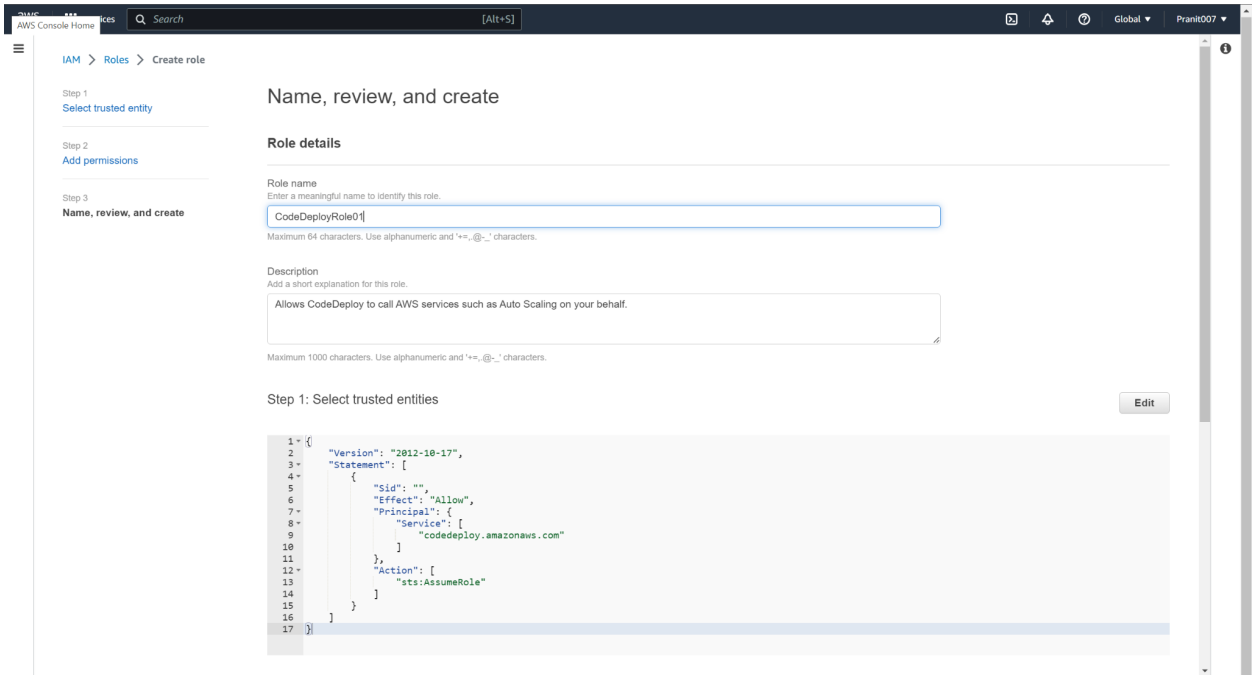
11.Now creating another IAM role which will get all the codedeploy service access.Search codedeploy.

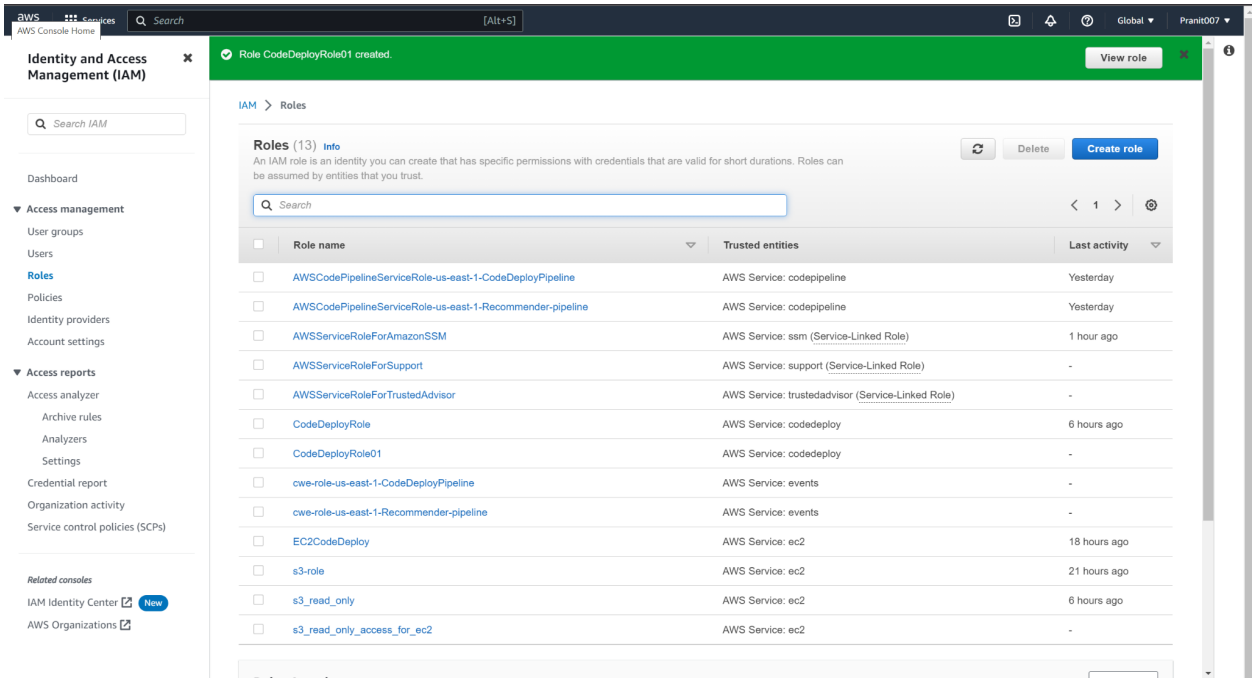

aws
Services
Search
[Alt+S]
Global
Pranit007
IAM > Roles > Create role
Step 1
Select trusted entity
Step 2
Add permissions
Step 3
Name, review, and create
Select trusted entity Info
Trusted entity type
AWS service
Allow AWS services like EC2, Lambda, or others to perform actions in this account.
AWS account
Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.
Web identity
Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.
SAML 2.0 federation
Allow users federated with SAML 2.0 from a corporate directory to perform actions in this account.
Custom trust policy
Create a custom trust policy to enable others to perform actions in this account.
Use case
Allow an AWS service like EC2, Lambda, or others to perform actions in this account.
Common use cases
EC2
Allows EC2 instances to call AWS services on your behalf.
Lambda
codede
CodeDeploy
Choose a service to view use case
Cancel
Next
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences


aws
Services
Search
[Alt+S]
Global
Pranit007
IAM > Roles > Create role
Step 1
Select trusted entity
Step 2
Add permissions
Step 3
Name, review, and create
Select trusted entity Info
Trusted entity type
AWS service
Allow AWS services like EC2, Lambda, or others to perform actions in this account.
AWS account
Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.
Web identity
Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.
SAML 2.0 federation
Allow users federated with SAML 2.0 from a corporate directory to perform actions in this account.
Custom trust policy
Create a custom trust policy to enable others to perform actions in this account.
Use case
Allow an AWS service like EC2, Lambda, or others to perform actions in this account.
Common use cases
EC2
Allows EC2 instances to call AWS services on your behalf.
Lambda
Allows Lambda functions to call AWS services on your behalf.
Use cases for other AWS services:
CodeDeploy
CodeDeploy
Allows CodeDeploy to call AWS services such as Auto Scaling on your behalf.
CodeDeploy for Lambda
Allows CodeDeploy to route traffic to a new version of an AWS Lambda function version on your behalf.
CodeDeploy - ECS
Allows CodeDeploy to read S3 objects, invoke Lambda functions, publish to SNS topics, and update ECS services on your behalf.
Cancel
Next

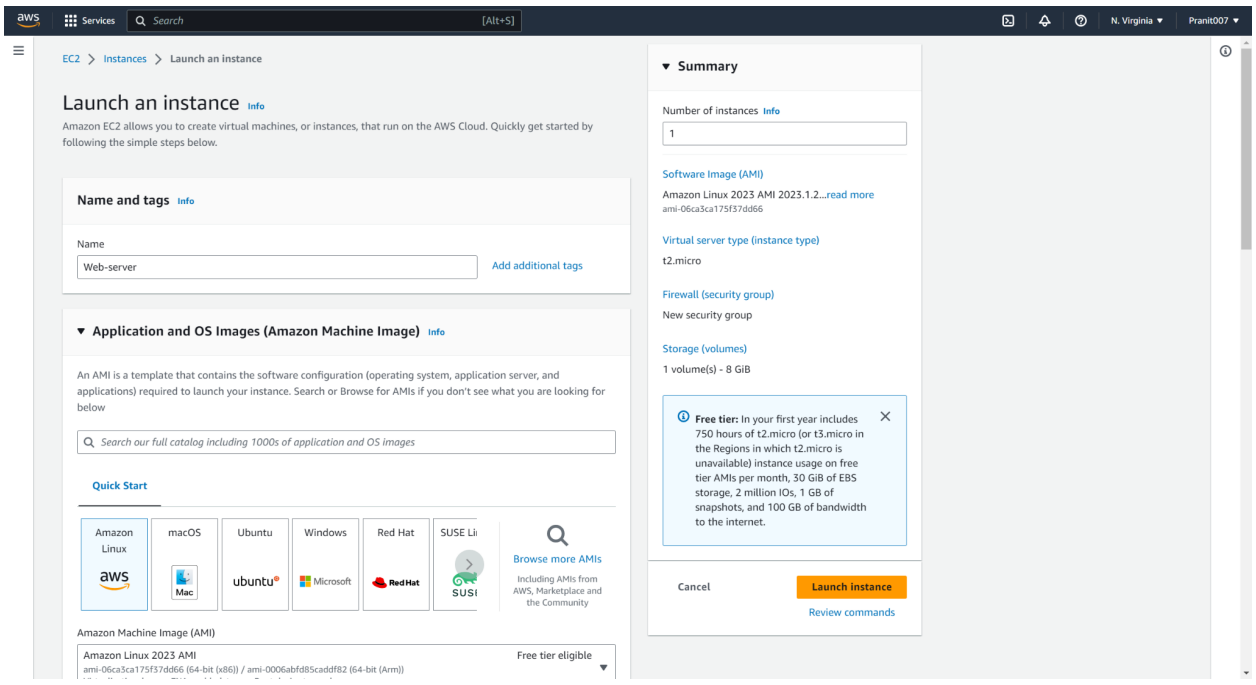


12.Write the IAM role name and then create role.

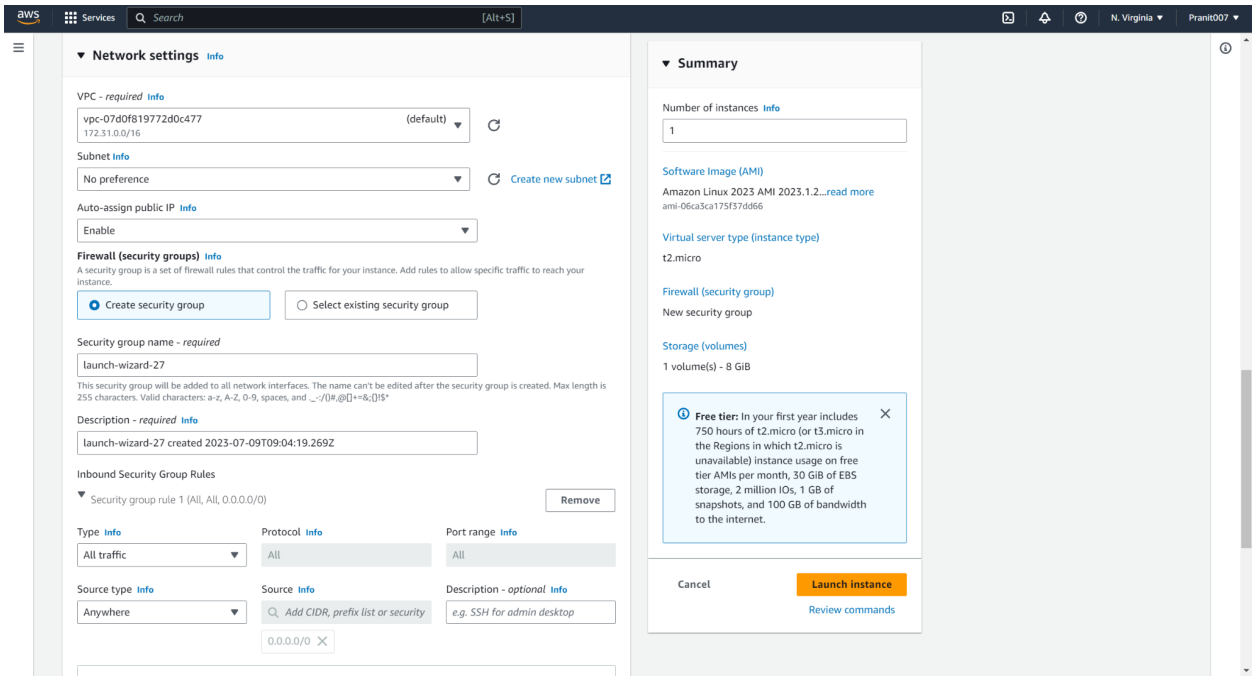




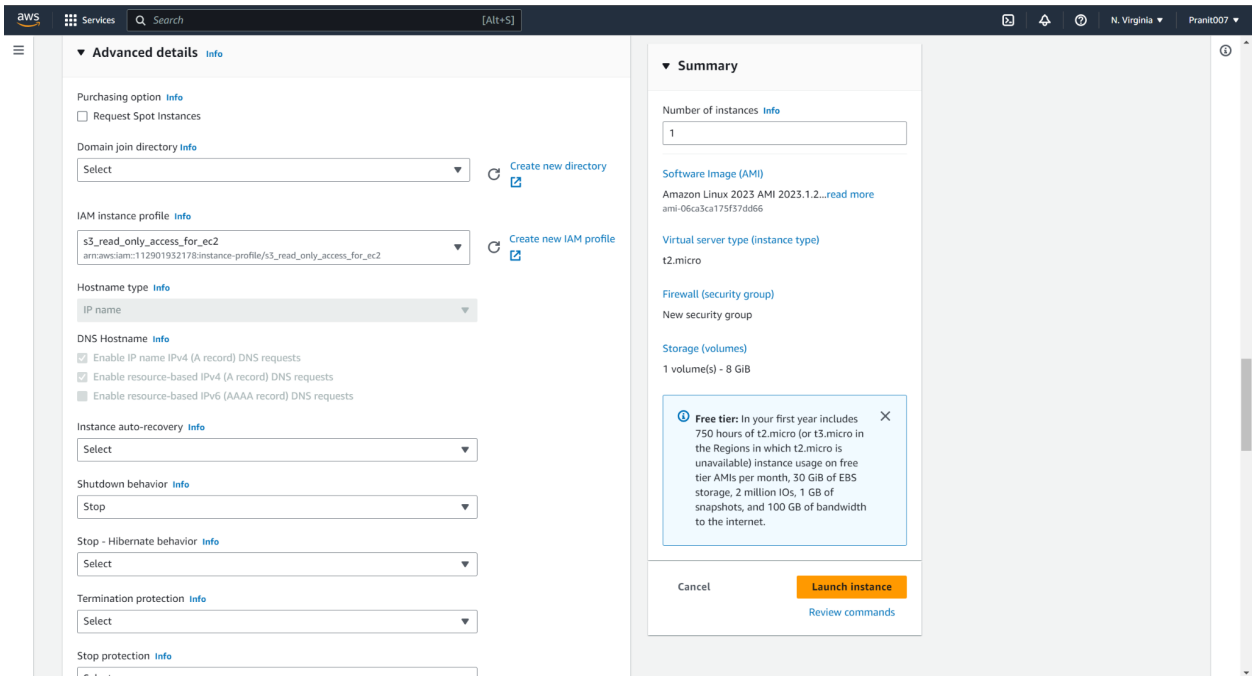
13.Now create a EC2 instance.



14.Select a Key pair and add a security group with type “all traffic” and source type “anywhere”

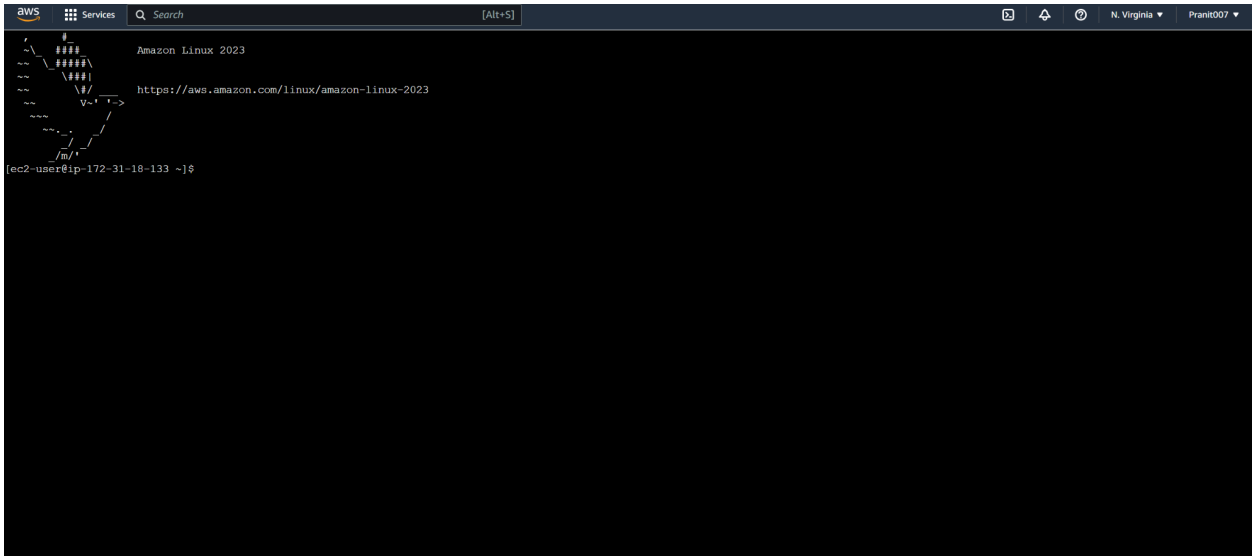


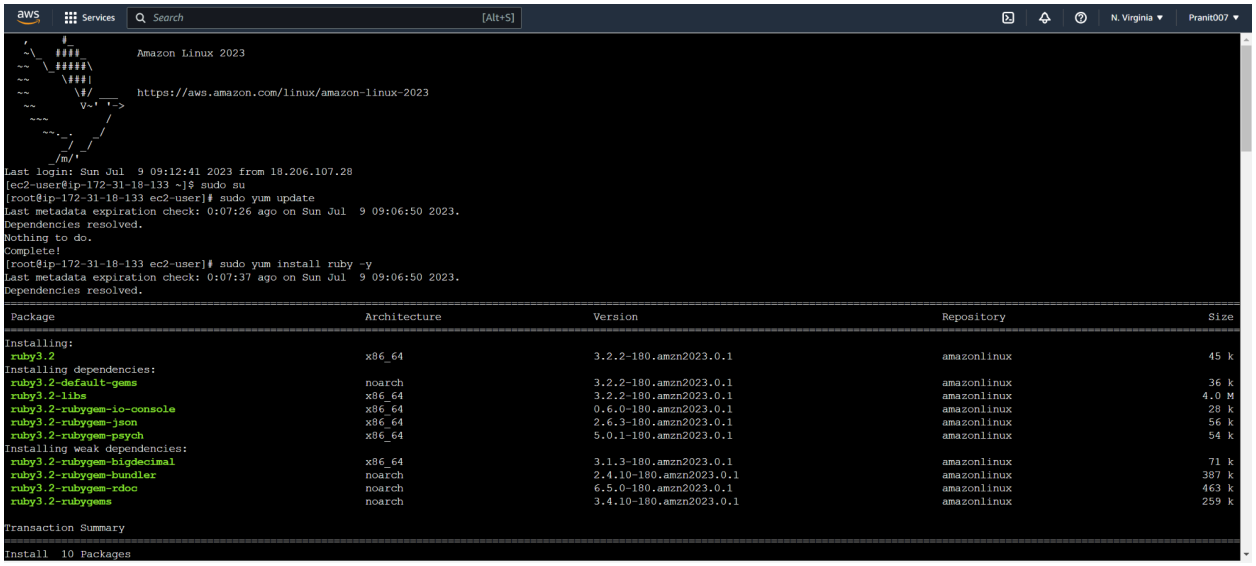
15.Add the IAM role s3_read_only_access_for_ec2 and launch instance.

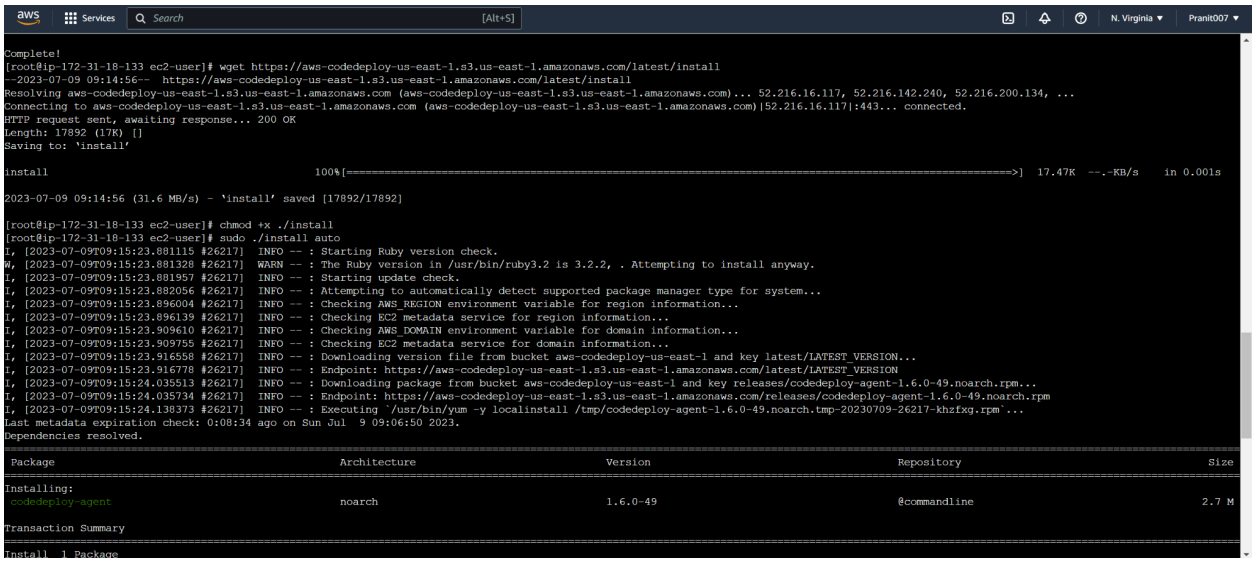


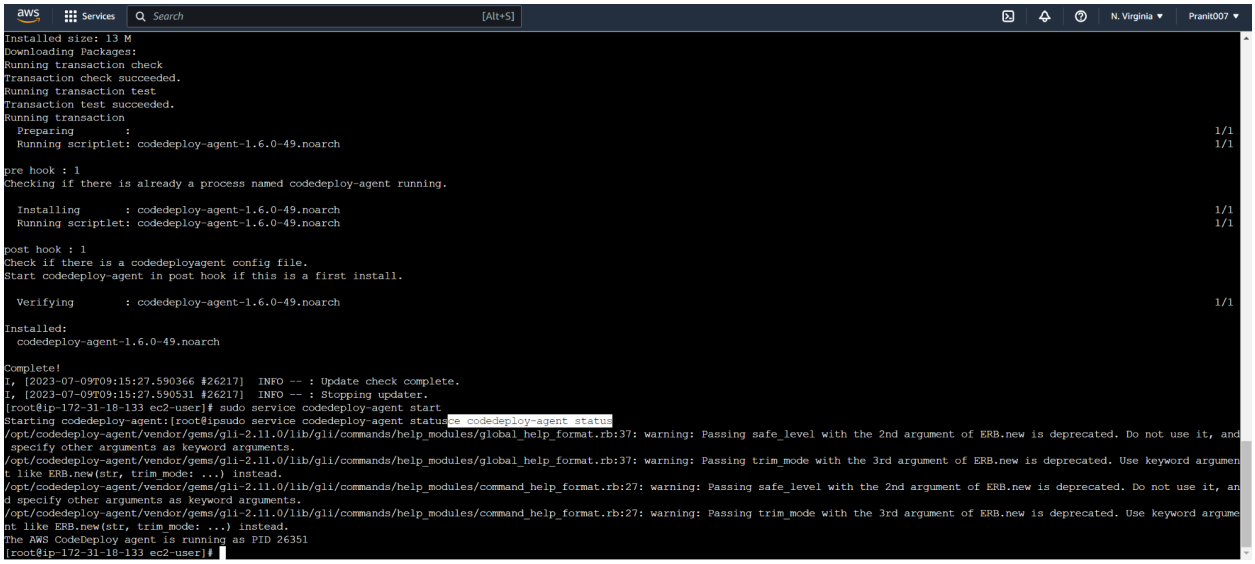
16.Now connect to the instance and run these commands sequentially to install codedeploy agent.

1.sudo su
2.sudo yum update
3.sudo yum install ruby -y
4.wget https://aws-codedeploy-us-east-1.s3.us-east-1.amazonaws.com/latest/install
5.chmod +x ./install
6.sudo ./install auto
7.sudo service codedeploy-agent start
8.sudo service codedeploy-agent status

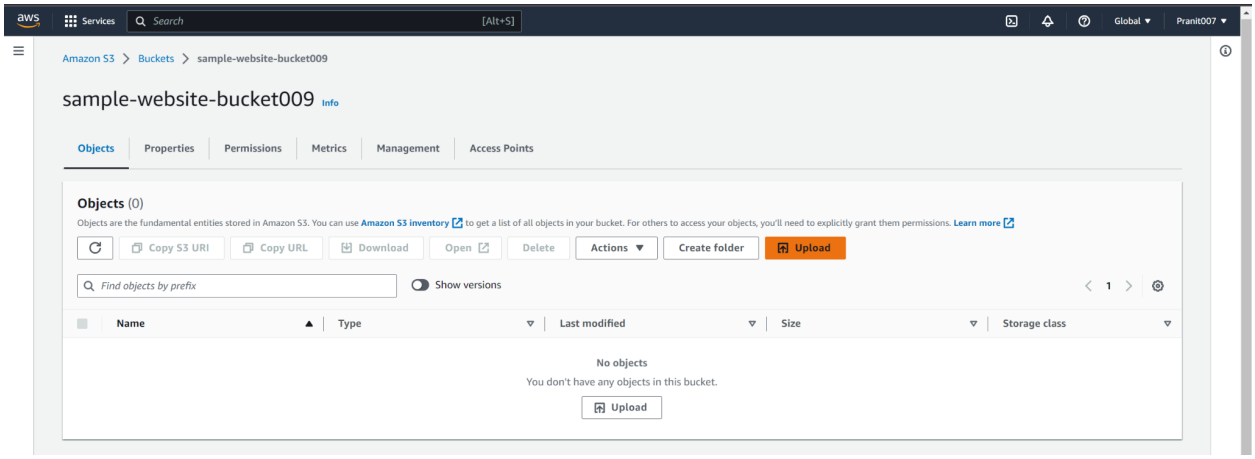

aws
Services
Search
[Alt+S]
N. Virginia
Pranit007
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
[ec2-user@ip-172-31-18-133 ~]$

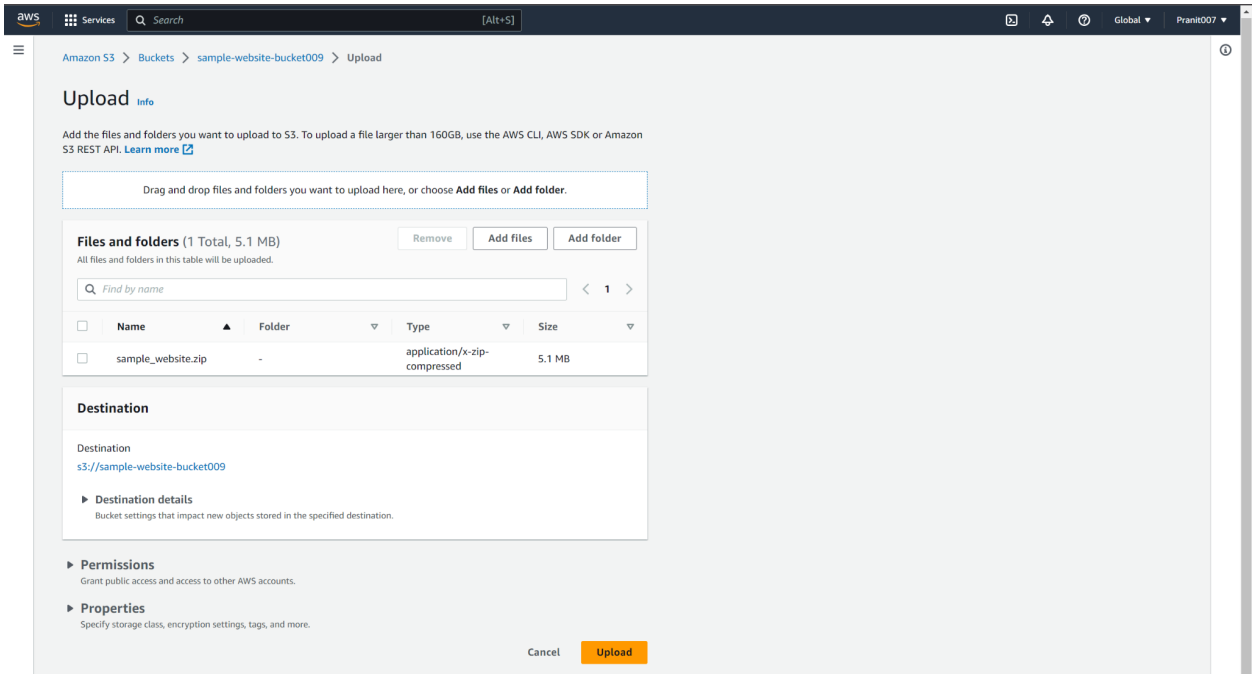

aws
Services
Search
[Alt+S]
N. Virginia
Pranit007
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
Last login: Sun Jul 9 09:12:41 2023 from 18.206.107.28
[ec2-user@ip-172-31-18-133 ~]$ sudo su
[root@ip-172-31-18-133 ec2-user]# sudo yum update
Last metadata expiration check: 0:07:26 ago on Sun Jul 9 09:06:50 2023.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-18-133 ec2-user]# sudo yum install ruby -y
Last metadata expiration check: 0:07:37 ago on Sun Jul 9 09:06:50 2023.
Dependencies resolved.
Package Architecture Version Repository Size
Installing:
ruby3.2 x86_64 3.2.2-180.amzn2023.0.1 amazonlinux 45 k
Installing dependencies:
ruby3.2-default-gems noarch 3.2.2-180.amzn2023.0.1 amazonlinux 36 k
ruby3.2-libs x86_64 3.2.2-180.amzn2023.0.1 amazonlinux 4.0 M
ruby3.2-rubygem-io-console x86_64 0.6.0-180.amzn2023.0.1 amazonlinux 28 k
ruby3.2-rubygem-json x86_64 2.6.3-180.amzn2023.0.1 amazonlinux 56 k
ruby3.2-rubygem-psych x86_64 5.0.1-180.amzn2023.0.1 amazonlinux 54 k
Installing weak dependencies:
ruby3.2-rubygem-bigdecimal x86_64 3.1.3-180.amzn2023.0.1 amazonlinux 71 k
ruby3.2-rubygem-bundler noarch 2.4.10-180.amzn2023.0.1 amazonlinux 387 k
ruby3.2-rubygem-rdoc noarch 6.5.0-180.amzn2023.0.1 amazonlinux 463 k
ruby3.2-rubygems noarch 3.4.10-180.amzn2023.0.1 amazonlinux 259 k
Transaction Summary
Install 10 Packages


aws
Services
Search
[Alt+S]
N. Virginia
Pranit007
Complete!
[root@ip-172-31-18-133 ec2-user]# wget https://aws-codedeploy-us-east-1.s3.us-east-1.amazonaws.com/latest/install
--2023-07-09 09:14:56-- https://aws-codedeploy-us-east-1.s3.us-east-1.amazonaws.com/latest/install
Resolving aws-codedeploy-us-east-1.s3.us-east-1.amazonaws.com (aws-codedeploy-us-east-1.s3.us-east-1.amazonaws.com)... 52.216.16.117, 52.216.142.240, 52.216.200.134, ...
Connecting to aws-codedeploy-us-east-1.s3.us-east-1.amazonaws.com (aws-codedeploy-us-east-1.s3.us-east-1.amazonaws.com)|52.216.16.117|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 17892 (17K) []
Saving to: 'install'
install 100%[==========>] 17.47K --.-KB/s in 0.001s
2023-07-09 09:14:56 (31.6 MB/s) - 'install' saved [17892/17892]
[root@ip-172-31-18-133 ec2-user]# chmod +x ./install
[root@ip-172-31-18-133 ec2-user]# sudo ./install auto
I, [2023-07-09T09:15:23.881115 #26217] INFO -- : Starting Ruby version check.
W, [2023-07-09T09:15:23.881328 #26217] WARN -- : The Ruby version in /usr/bin/ruby3.2 is 3.2.2, . Attempting to install anyway.
I, [2023-07-09T09:15:23.881957 #26217] INFO -- : Starting update check.
I, [2023-07-09T09:15:23.882056 #26217] INFO -- : Attempting to automatically detect supported package manager type for system...
I, [2023-07-09T09:15:23.896004 #26217] INFO -- : Checking AWS_REGION environment variable for region information...
I, [2023-07-09T09:15:23.896139 #26217] INFO -- : Checking EC2 metadata service for region information...
I, [2023-07-09T09:15:23.909610 #26217] INFO -- : Checking AWS_DOMAIN environment variable for domain information...
I, [2023-07-09T09:15:23.909755 #26217] INFO -- : Checking EC2 metadata service for domain information...
I, [2023-07-09T09:15:23.916558 #26217] INFO -- : Downloading version file from bucket aws-codedeploy-us-east-1 and key latest/LATEST_VERSION...
I, [2023-07-09T09:15:23.916778 #26217] INFO -- : Endpoint: https://aws-codedeploy-us-east-1.s3.us-east-1.amazonaws.com/latest/LATEST_VERSION
I, [2023-07-09T09:15:24.035513 #26217] INFO -- : Downloading package from bucket aws-codedeploy-us-east-1 and key releases/codedeploy-agent-1.6.0-49.noarch.rpm...
I, [2023-07-09T09:15:24.035734 #26217] INFO -- : Endpoint: https://aws-codedeploy-us-east-1.s3.us-east-1.amazonaws.com/releases/codedeploy-agent-1.6.0-49.noarch.rpm
I, [2023-07-09T09:15:24.138373 #26217] INFO -- : Executing `/usr/bin/yum -y localinstall /tmp/codedeploy-agent-1.6.0-49.noarch.tmp-20230709-26217-khzfxg.rpm`...
Last metadata expiration check: 0:08:34 ago on Sun Jul 9 09:06:50 2023.
Dependencies resolved.
Package Architecture Version Repository Size
Installing:
codedeploy-agent noarch 1.6.0-49 @commandline 2.7 M
Transaction Summary
Install 1 Package

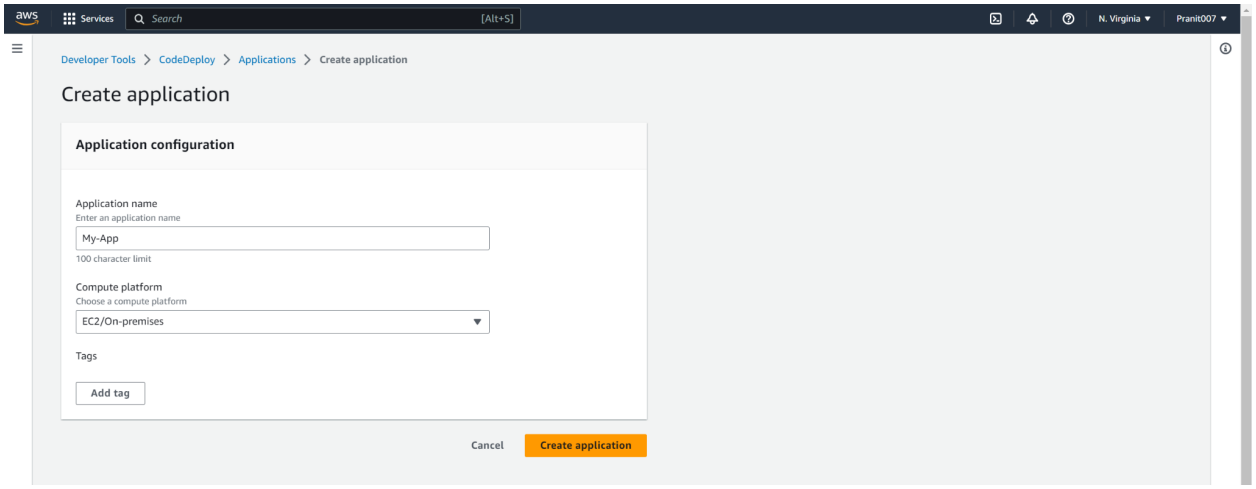


17.Now go to s3 bucket and upload a website.

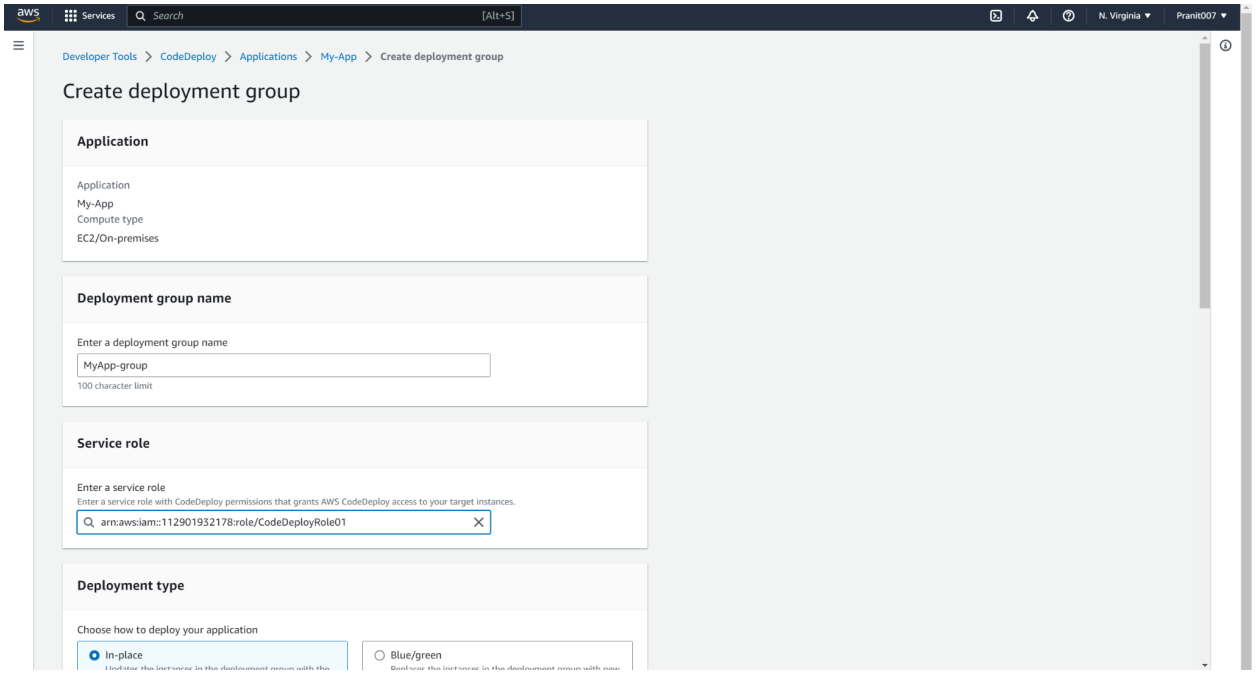




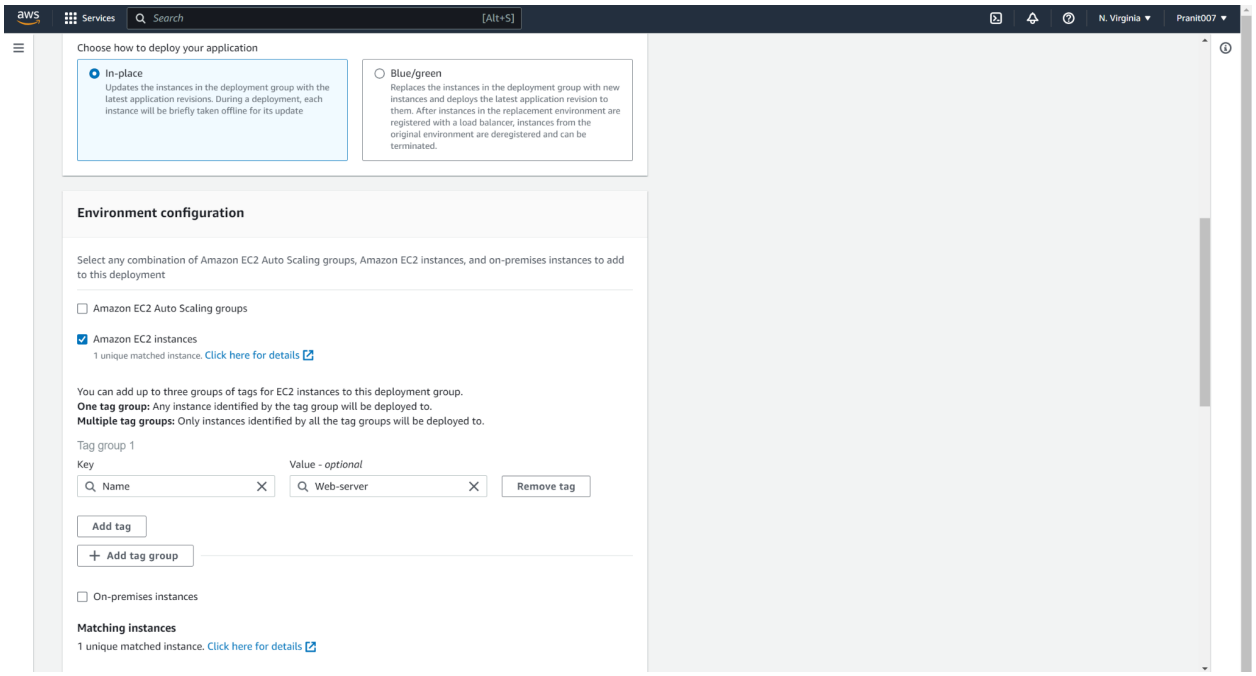
18.Now search codedeploy and create a application



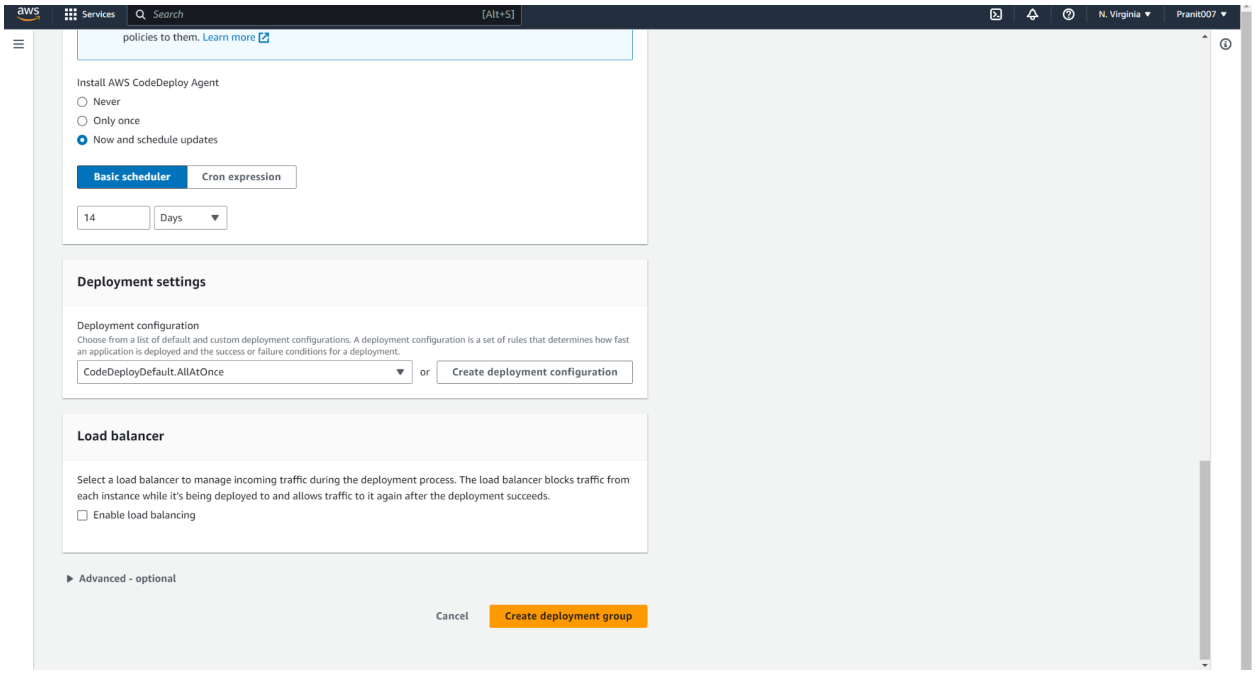
19.Create deployment group.



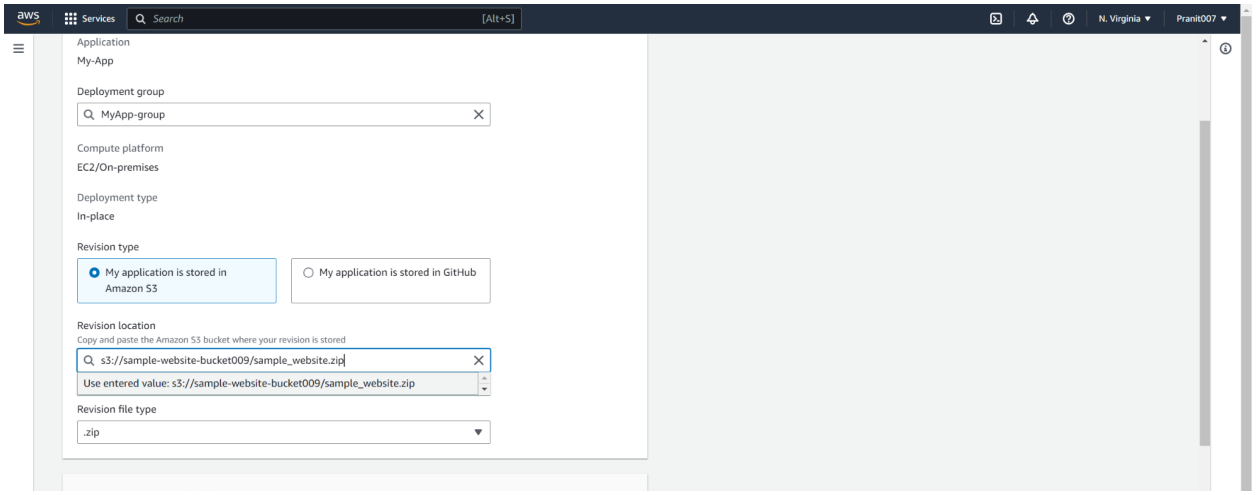
20.In environment configuration select EC2 and attached ec2 instance previously created.



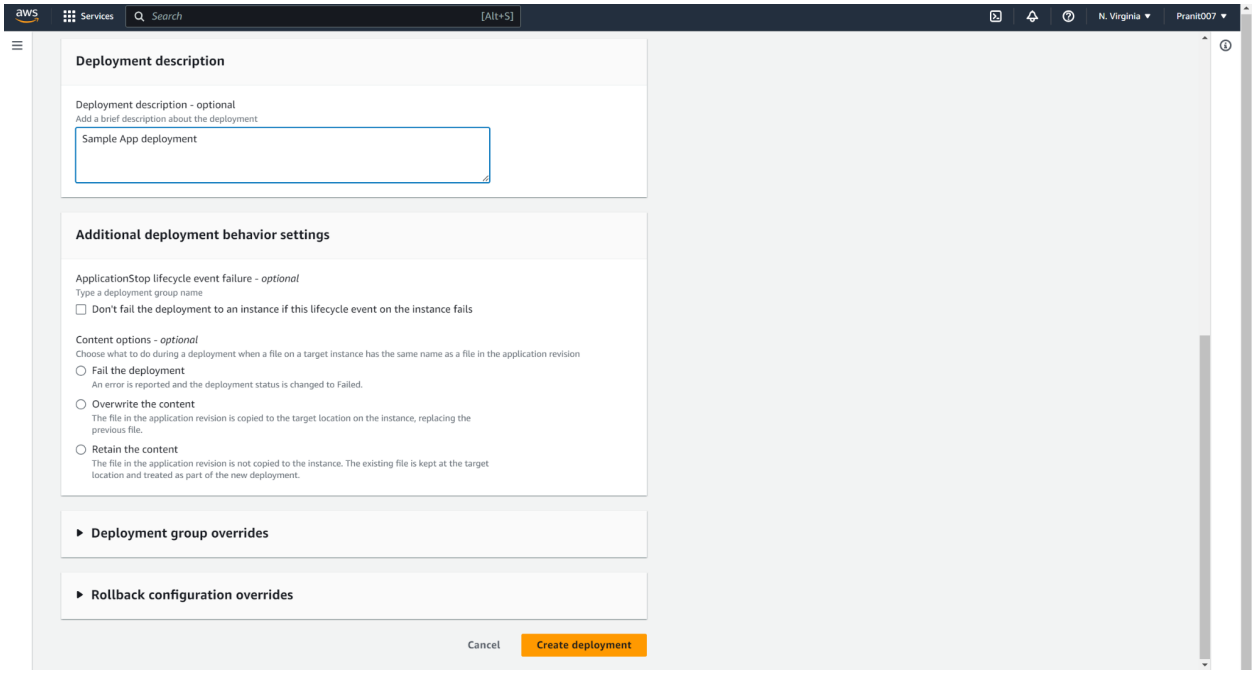
21.Unticked the load balancer and create deployment group.



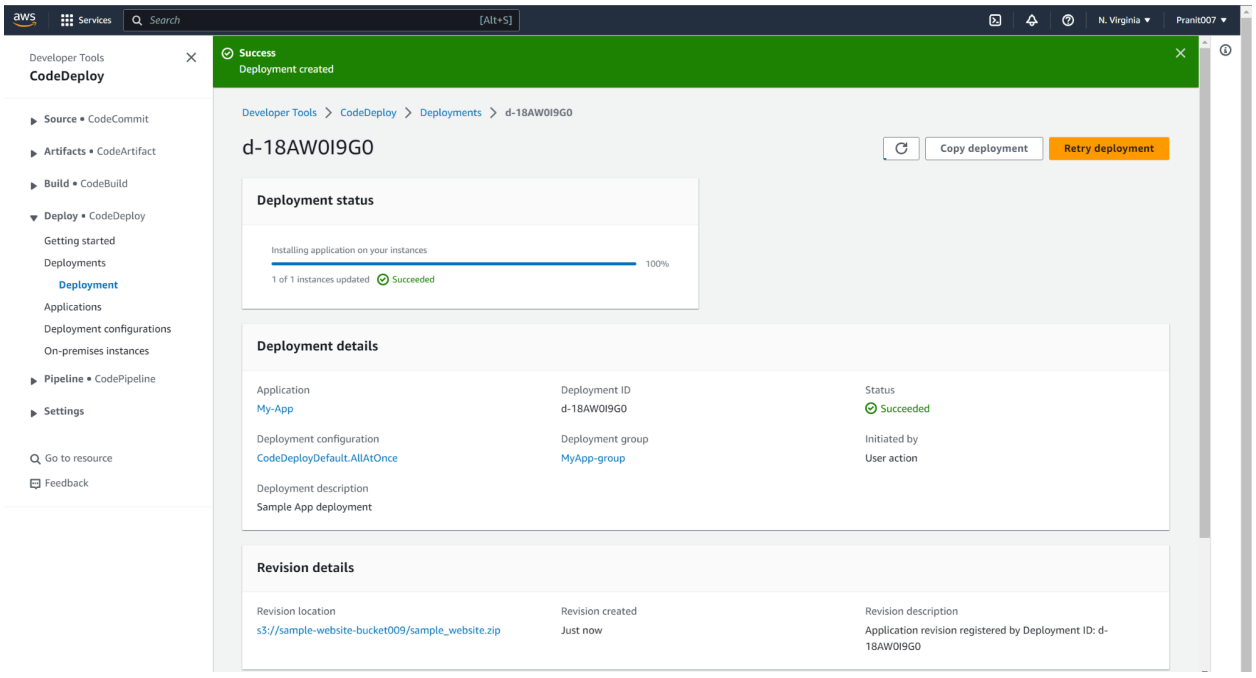
22.Now create deployment and copy the s3 url and pasted at Revision location.



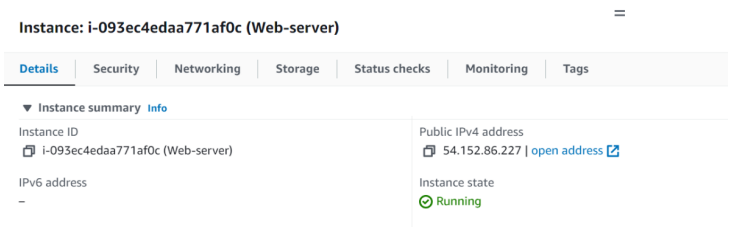
23.Then create deployment.



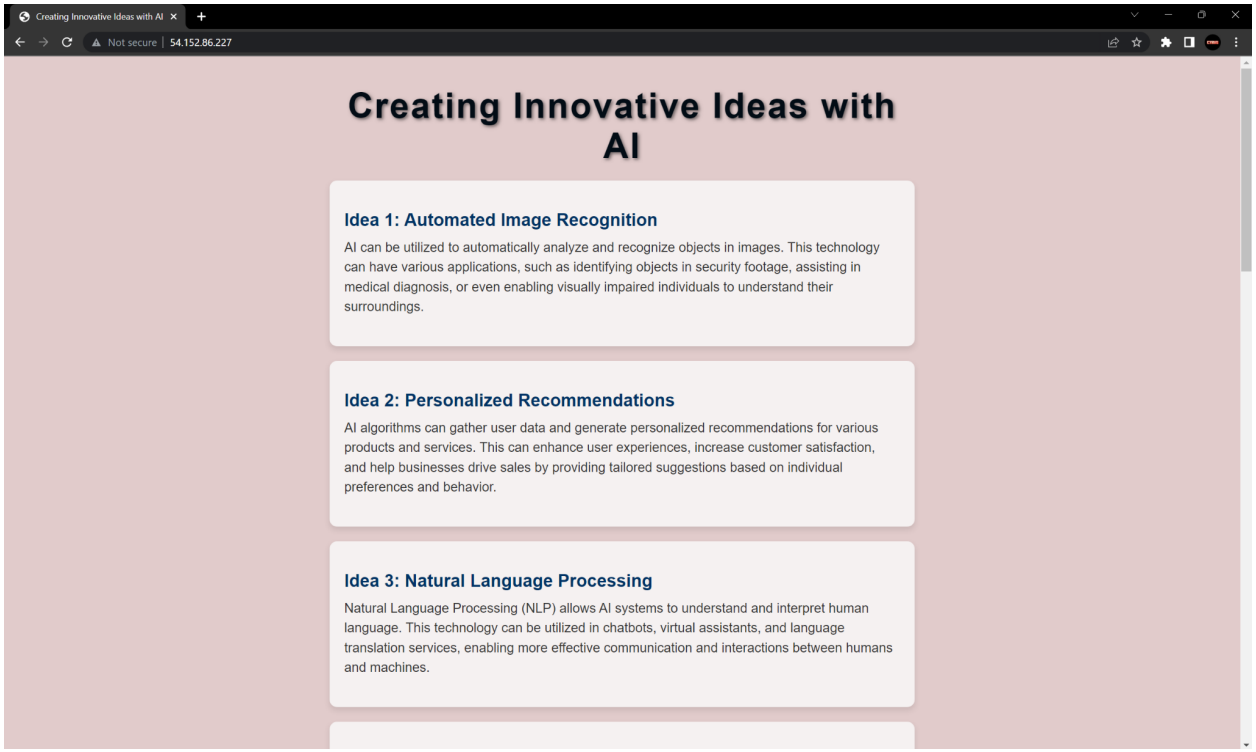
24.After sometime deployment status will show succeeded.



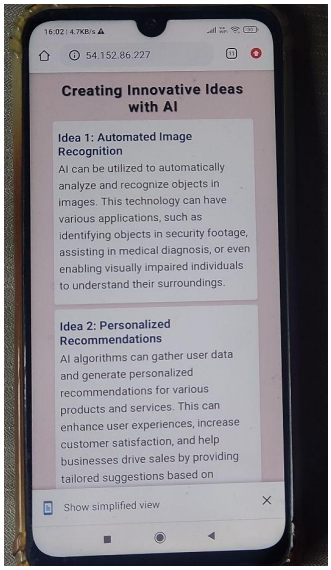
25.Now go to instances and select the Web-server ec2 instance and copy the public IP.

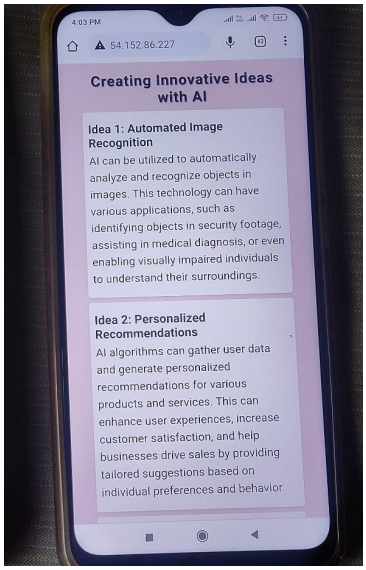


26.Paste the Public IP on the browser.



27.Pasted the public IP on mobile and accessed the website.


16:02 | 4.7KB/s
54.152.86.227
Creating Innovative Ideas with AI
Idea 1: Automated Image Recognition
AI can be utilized to automatically analyze and recognize objects in images. This technology can have various applications, such as identifying objects in security footage, assisting in medical diagnosis, or even enabling visually impaired individuals to understand their surroundings.
Idea 2: Personalized Recommendations
AI algorithms can gather user data and generate personalized recommendations for various products and services. This can enhance user experiences, increase customer satisfaction, and help businesses drive sales by providing tailored suggestions based on
Show simplified view


4:03 PM
54.152.86.227
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