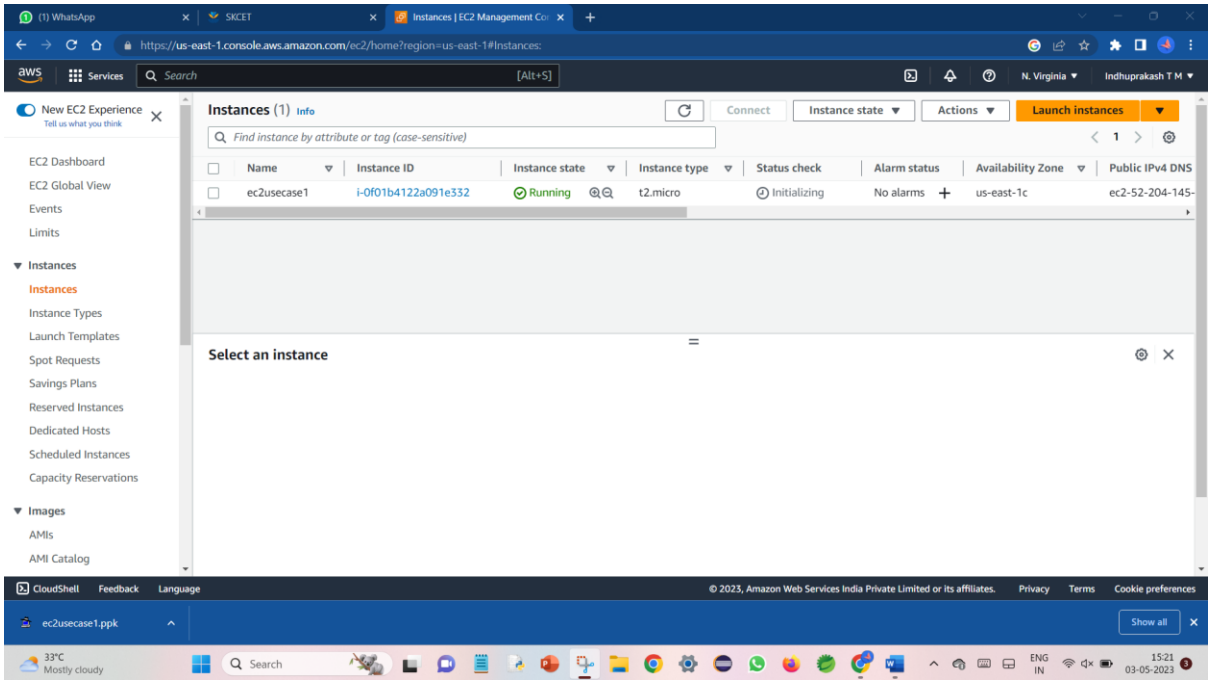
727721EUIT057

INDHUPRAKASH T M

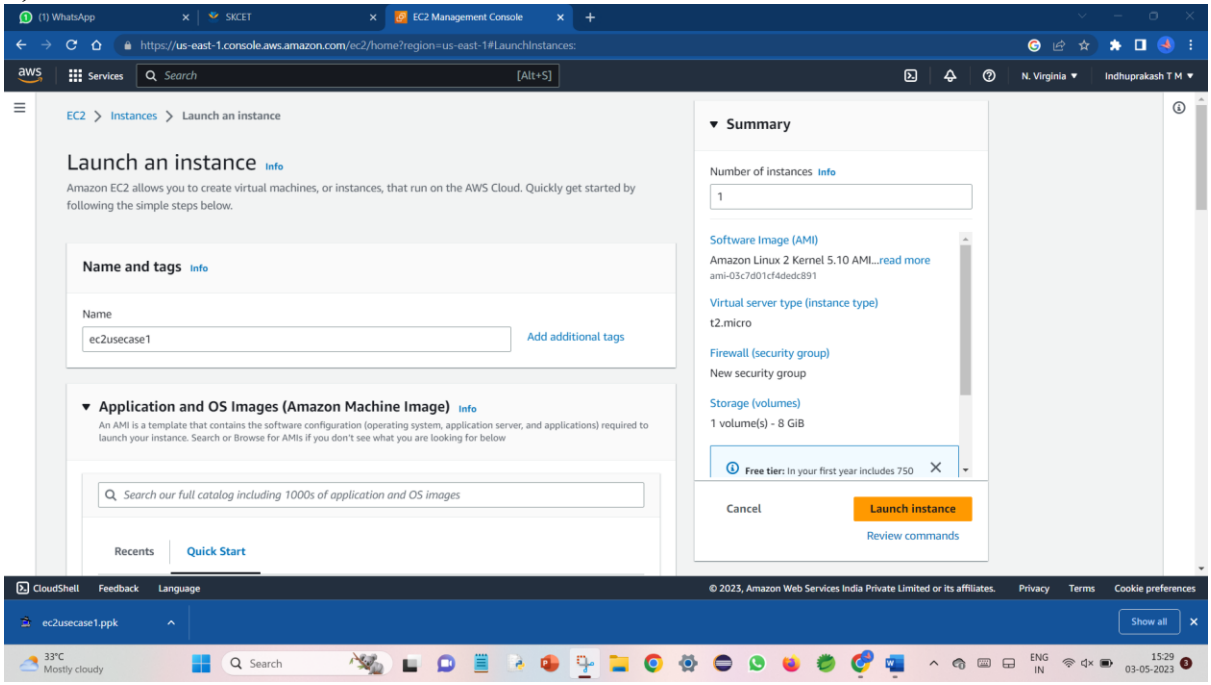
AWS CC1

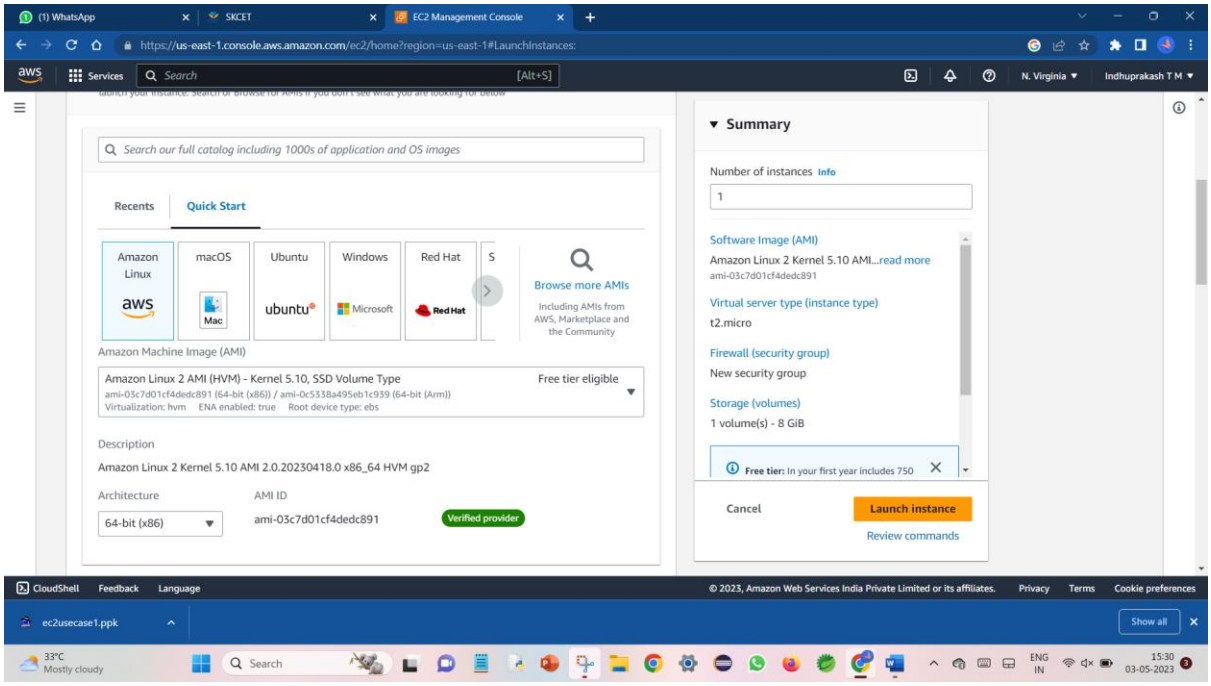
Question 1:-

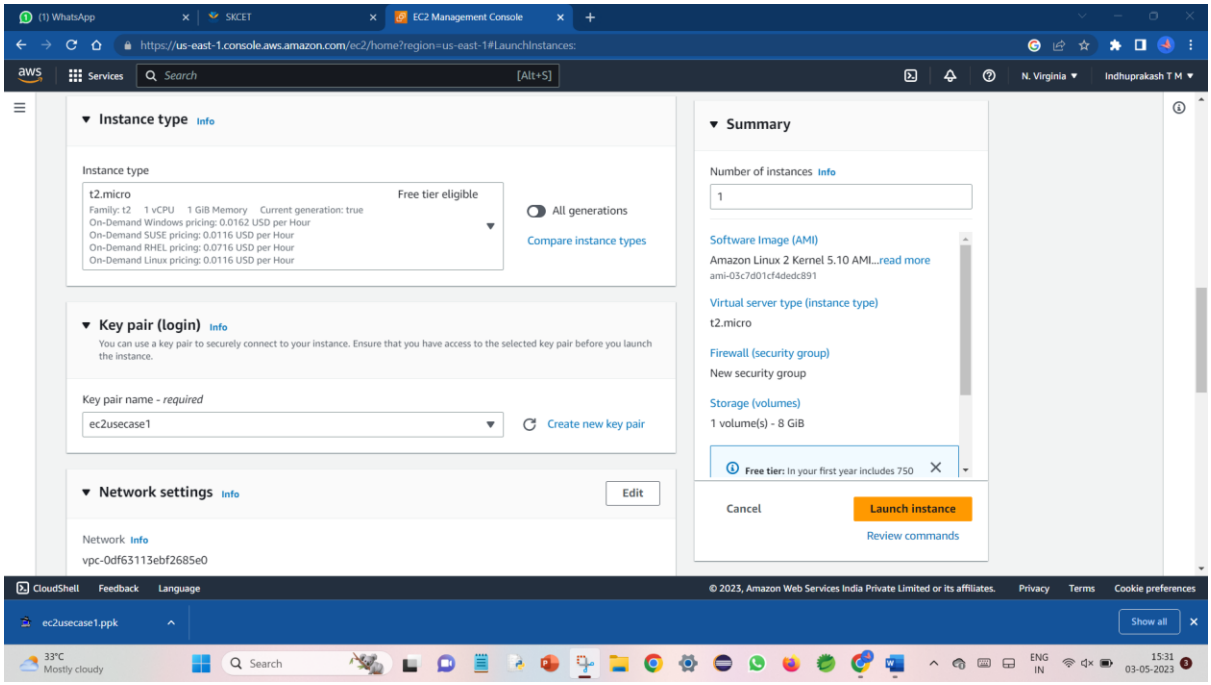
i)Creating ec2 instance and keypair using the name “ec2usecase1”.



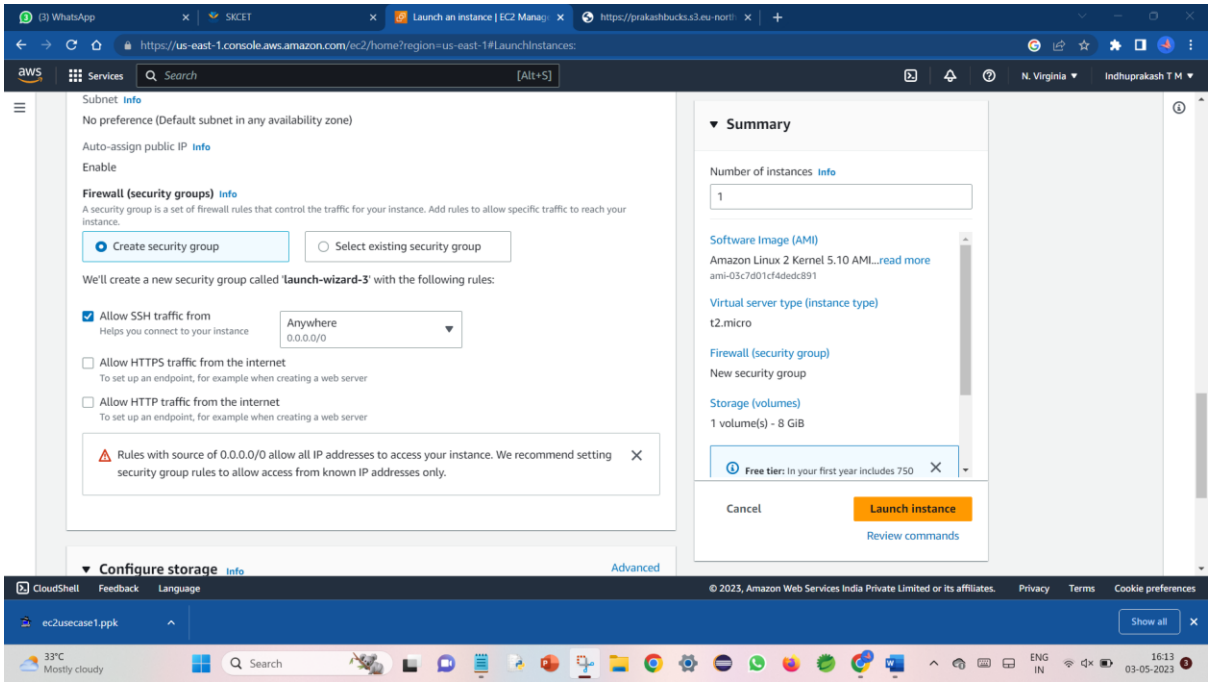
ii) EC2 instance AMI should be “Amazon Linux 2”.

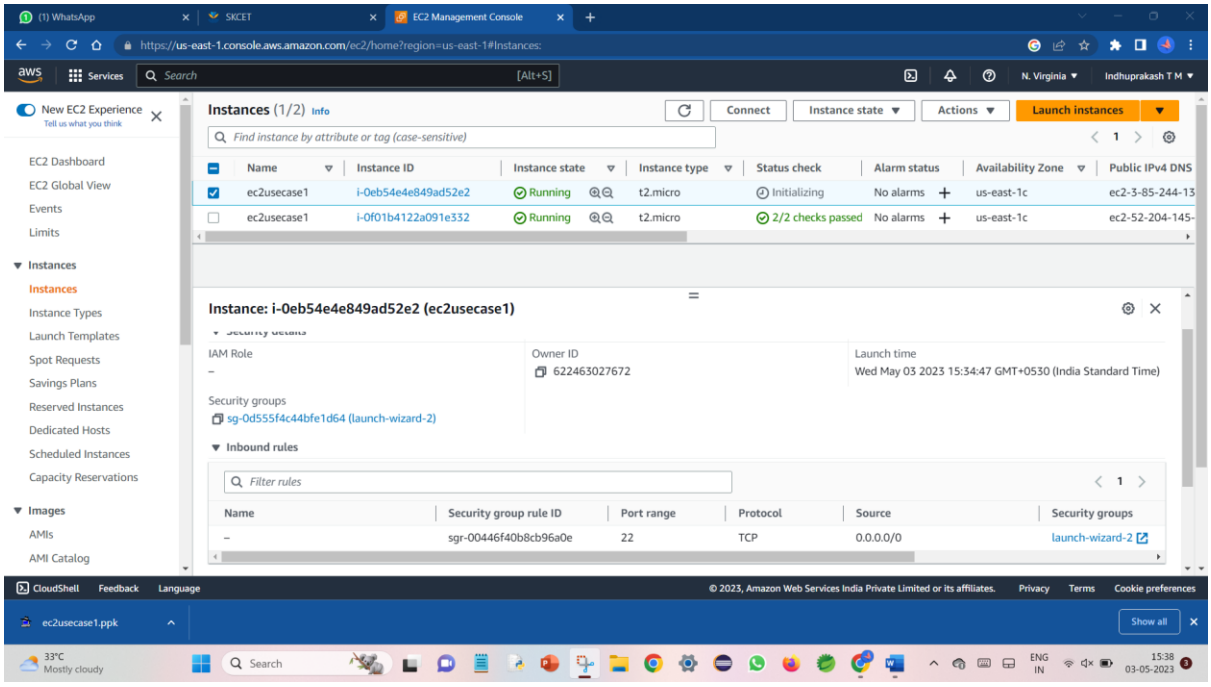



(1) WhatsApp
SKCET
EC2 Management Console
https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:
Services
Search
[Alt+S]
N. Virginia
Indhuprakash T M
Search our full catalog including 1000s of application and OS images
Recents
Quick Start
Amazon Linux
macOS
Ubuntu
Windows
Red Hat
Browse more AMIs
Including AMIs from AWS, Marketplace and the Community
Amazon Machine Image (AMI)
Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type
Free tier eligible
ami-03c7d01cf4dedc891 (64-bit (x86)) / ami-0c5338a495eb1c939 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs
Description
Amazon Linux 2 Kernel 5.10 AMI 2.0.20230418.0 x86_64 HVM gp2
Architecture
AMI ID
64-bit (x86)
ami-03c7d01cf4dedc891
Verified provider
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more
ami-03c7d01cf4dedc891
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750
Cancel
Launch instance
Review commands
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
ec2usecase1.ppk
Show all
33°C
Mostly cloudy
Search
ENG
IN
15:30
03-05-2023

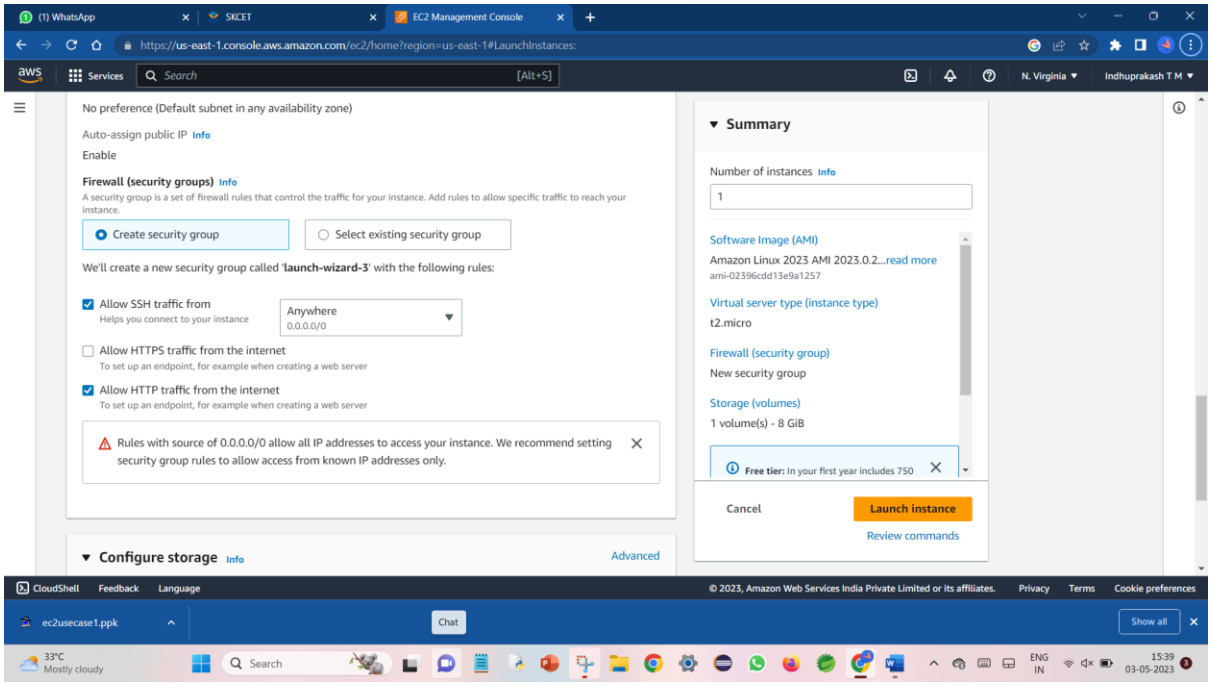

(1) WhatsApp
SKCET
EC2 Management Console
https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:
Services
Search
[Alt+S]
N. Virginia
Indhuprakash T M
Instance type Info
Instance type
t2.micro
Free tier eligible
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows pricing: 0.0162 USD per Hour
On-Demand SUSE pricing: 0.0116 USD per Hour
On-Demand RHEL pricing: 0.0716 USD per Hour
On-Demand Linux pricing: 0.0116 USD per Hour
All generations
Compare instance types
Key pair (login) Info
You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.
Key pair name - required
ec2usecase1
Create new key pair
Network settings Info
Edit
Network Info
vpc-0df63113ebf2685e0
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more
ami-03c7d01cf4dedc891
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750
Cancel
Launch instance
Review commands
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
ec2usecase1.ppk
Show all
33°C
Mostly cloudy
Search
ENG
IN
15:31
03-05-2023

iii)Allow SSH traffic for taking putty remote connection.



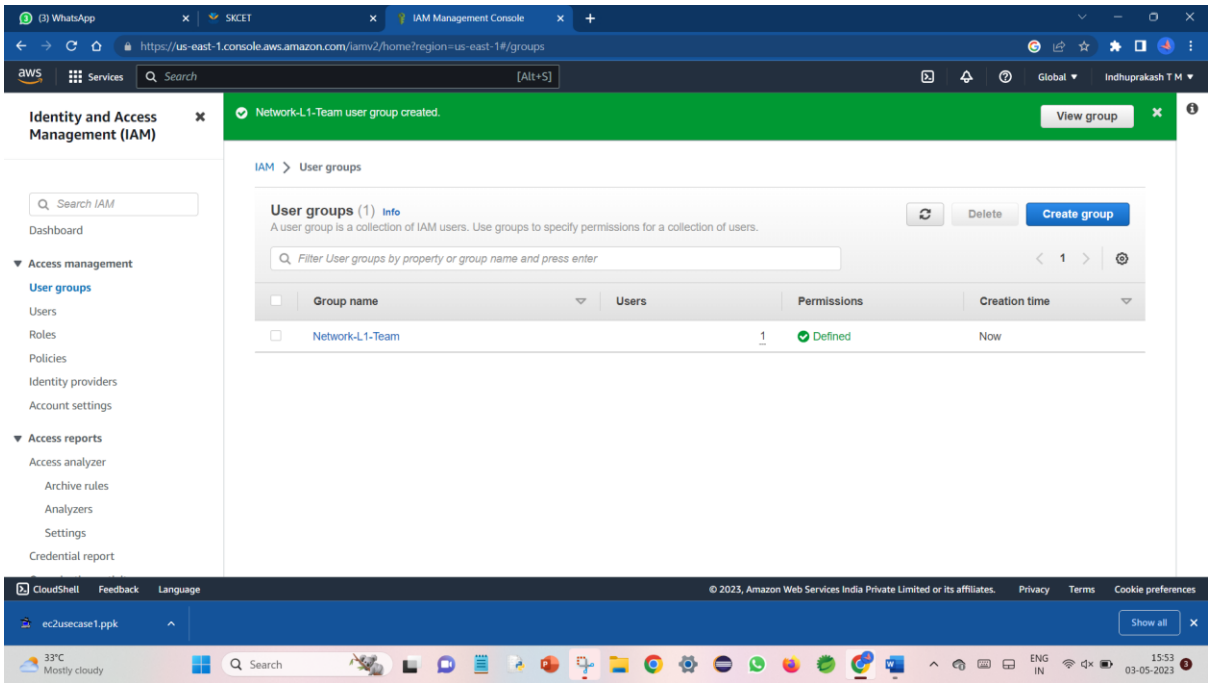


iv)Allow HTTP traffic from the internet for reaching website requests.

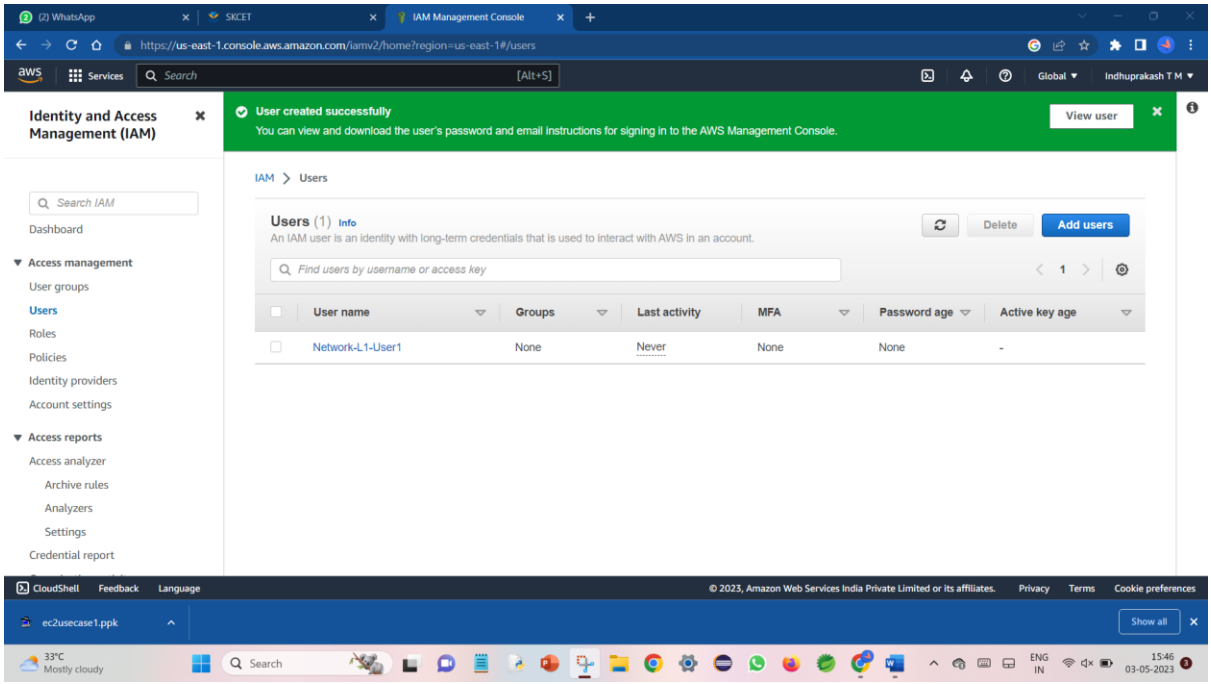


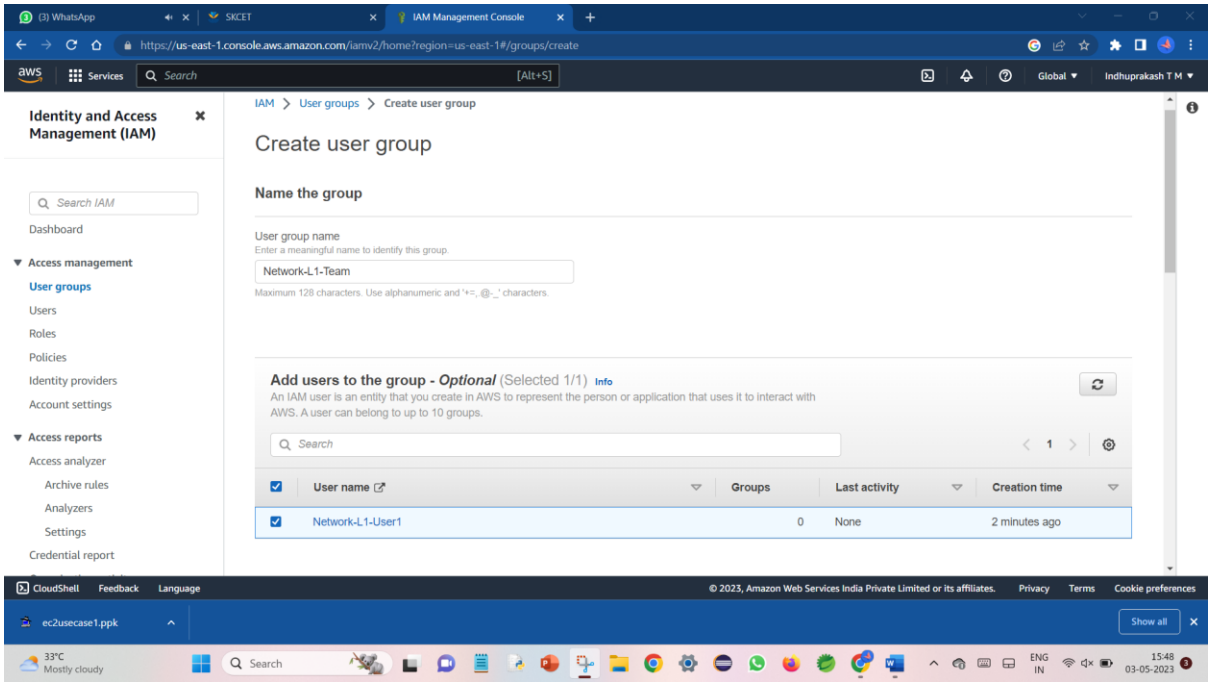
2.

i)

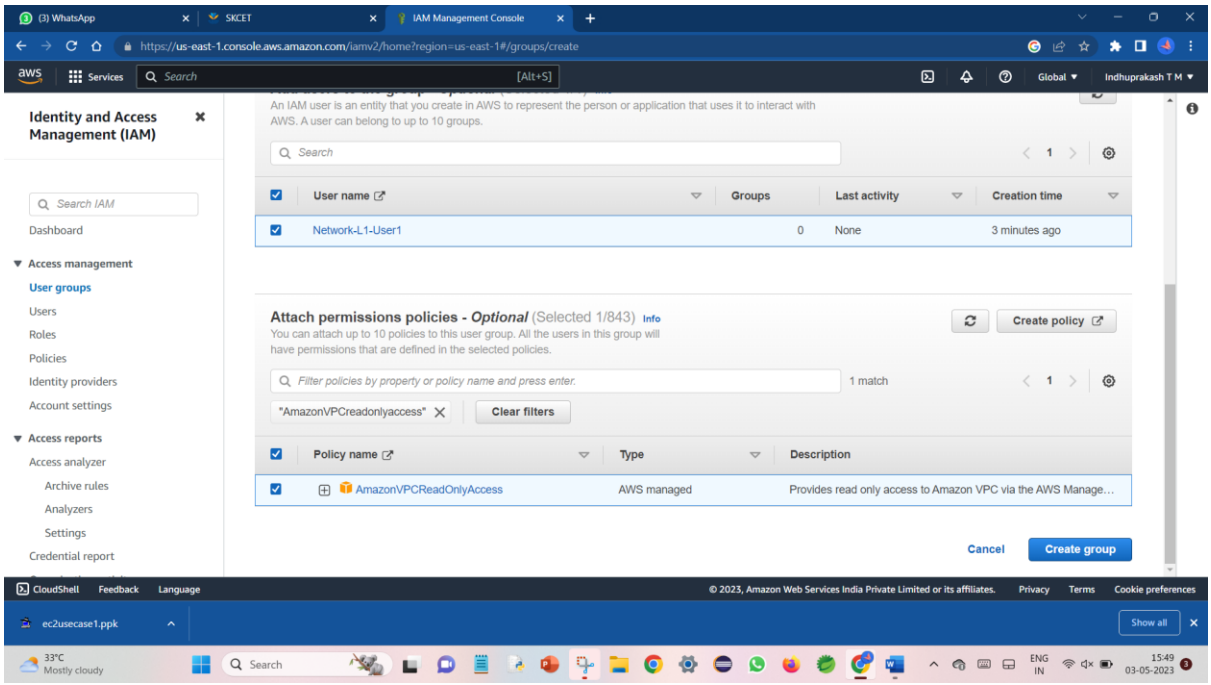


ii)

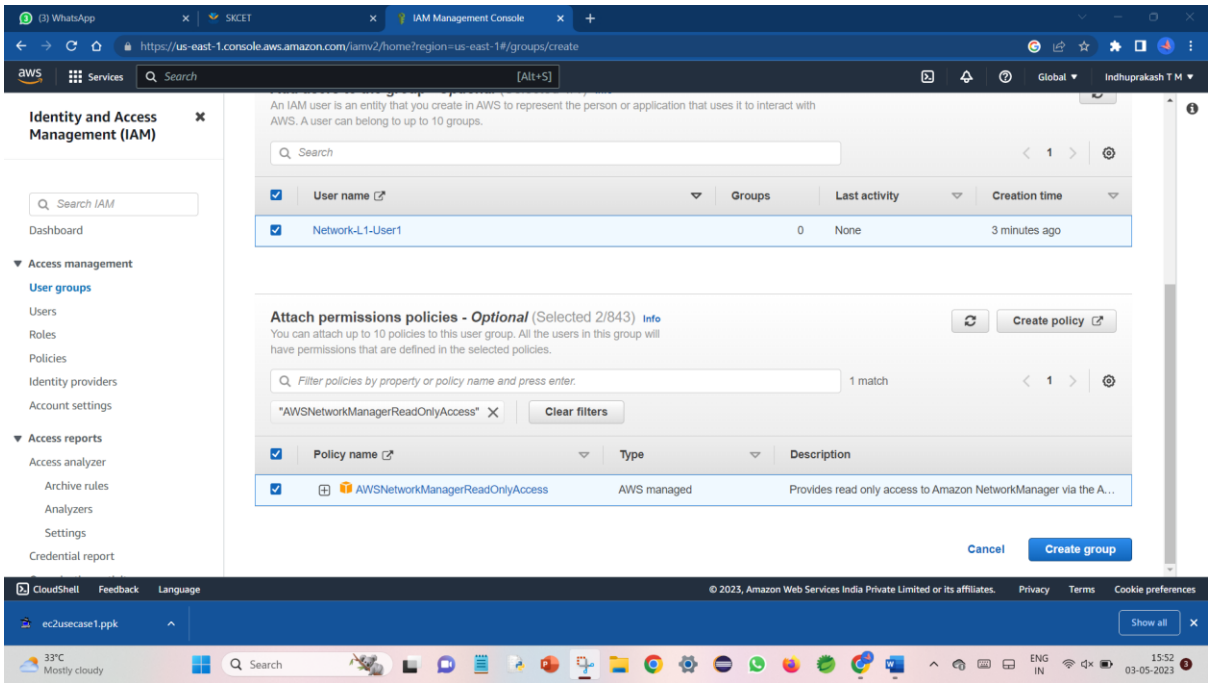

IAM Management Console
https://us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users
Identity and Access Management (IAM)
User created successfully
You can view and download the user's password and email instructions for signing in to the AWS Management Console.
View user
IAM > Users
Users (1) Info
An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.
Delete
Add users
Find users by username or access key
User name
Groups
Last activity
MFA
Password age
Active key age
Network-L1-User1
None
Never
None
None
-
Dashboard
Access management
User groups
Users
Roles
Policies
Identity providers
Account settings
Access reports
Access analyzer
Archive rules
Analyzers
Settings
Credential report
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
ec2usecase1.ppk
Show all

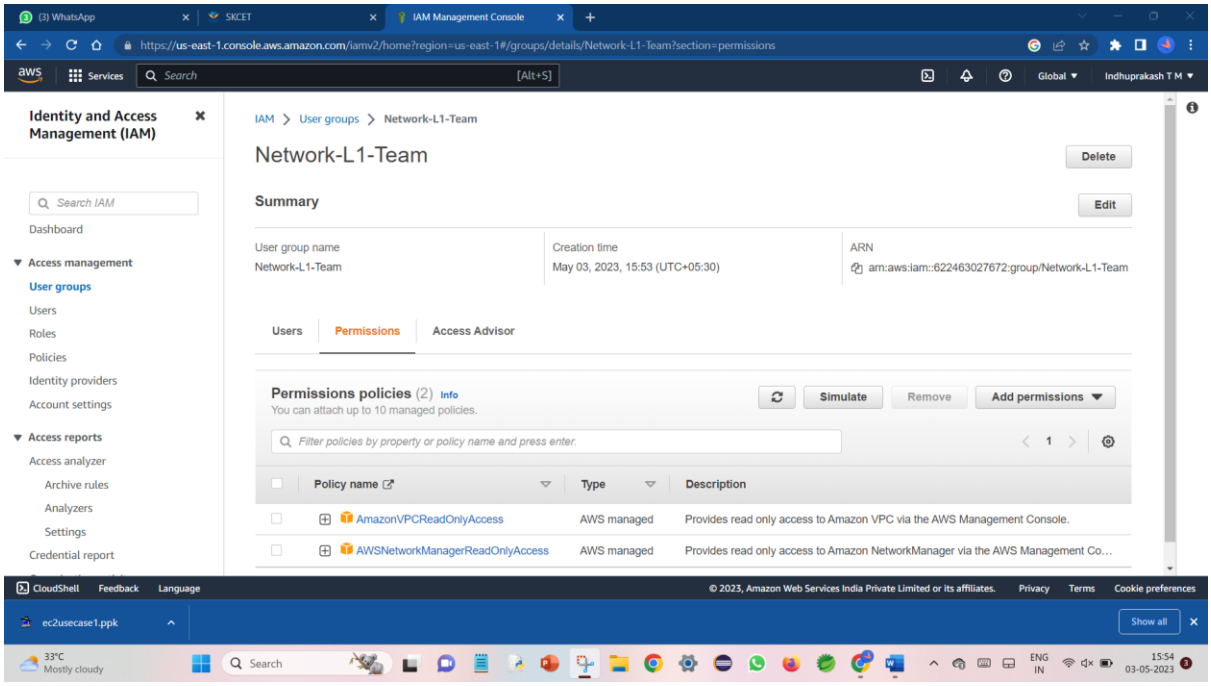

IAM Management Console
https://us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/groups/create
Identity and Access Management (IAM)
IAM > User groups > Create user group
Create user group
Name the group
User group name
Enter a meaningful name to identify this group.
Network-L1-Team
Maximum 128 characters. Use alphanumeric and '+=, @-_' characters.
Add users to the group - Optional (Selected 1/1) Info
An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS. A user can belong to up to 10 groups.
Search
User name
Groups
Last activity
Creation time
Network-L1-User1
0
None
2 minutes ago
Dashboard
Access management
User groups
Users
Roles
Policies
Identity providers
Account settings
Access reports
Access analyzer
Archive rules
Analyzers
Settings
Credential report
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
ec2usecase1.ppk
Show all

iii)


IAM Management Console
https://us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/groups/create
Identity and Access Management (IAM)
Dashboard
Access management
User groups
Users
Roles
Policies
Identity providers
Account settings
Access reports
Access analyzer
Archive rules
Analyzers
Settings
Credential report
An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS. A user can belong to up to 10 groups.
User name
Groups
Last activity
Creation time
Network-L1-User1
0
None
3 minutes ago
Attach permissions policies - Optional (Selected 1/843) Info
You can attach up to 10 policies to this user group. All the users in this group will have permissions that are defined in the selected policies.
Create policy
Filter policies by property or policy name and press enter.
1 match
"AmazonVPCreadonlyaccess"
Clear filters
Policy name
Type
Description
AmazonVPCReadOnlyAccess
AWS managed
Provides read only access to Amazon VPC via the AWS Manage…
Cancel
Create group
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
ec2usecase1.ppk
Show all
33°C
Mostly cloudy
15:49
03-05-2023

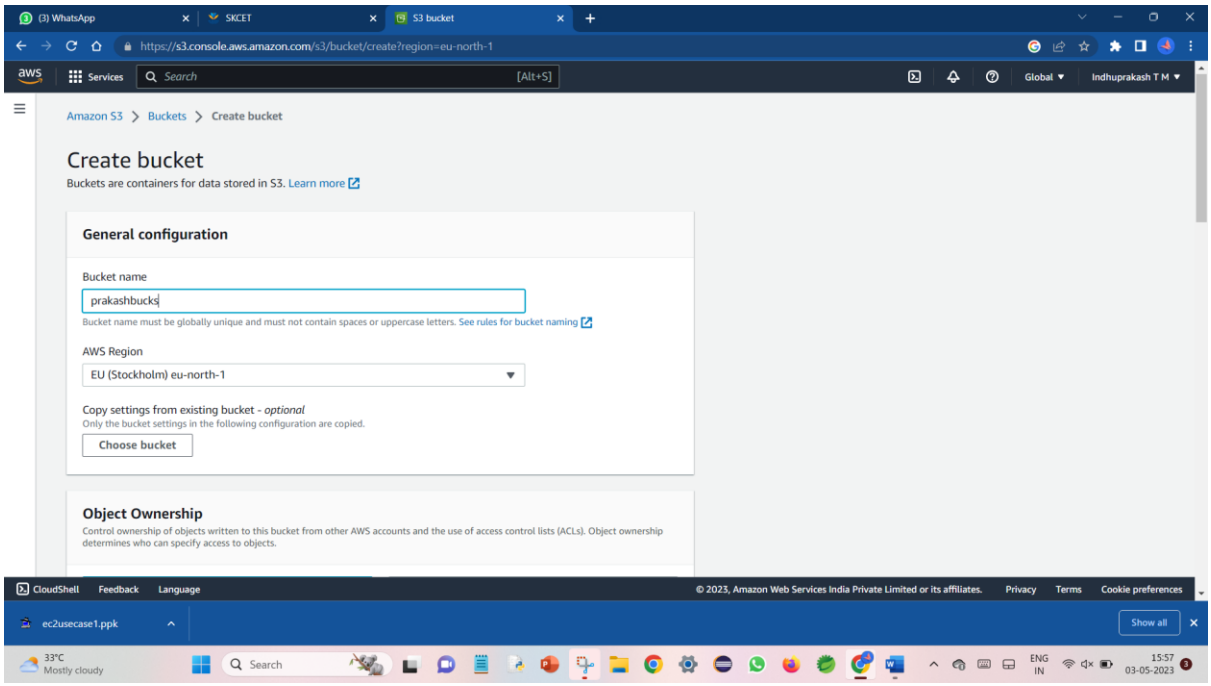
iv)

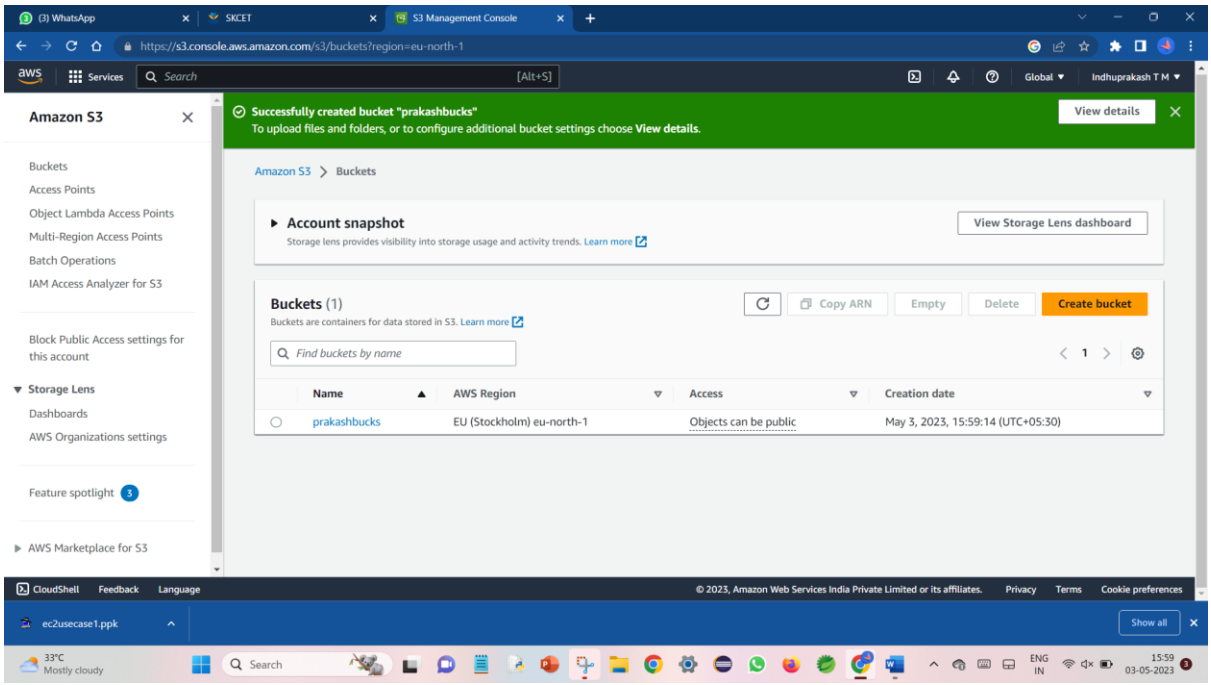

IAM Management Console
https://us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/groups/create
Identity and Access Management (IAM)
Dashboard
Access management
User groups
Users
Roles
Policies
Identity providers
Account settings
Access reports
Access analyzer
Archive rules
Analyzers
Settings
Credential report
An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS. A user can belong to up to 10 groups.
User name
Groups
Last activity
Creation time
Network-L1-User1
0
None
3 minutes ago
Attach permissions policies - Optional (Selected 2/843) Info
You can attach up to 10 policies to this user group. All the users in this group will have permissions that are defined in the selected policies.
Create policy
Filter policies by property or policy name and press enter.
1 match
"AWSNetworkManagerReadOnlyAccess"
Clear filters
Policy name
Type
Description
AWSNetworkManagerReadOnlyAccess
AWS managed
Provides read only access to Amazon NetworkManager via the A…
Cancel
Create group
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
ec2usecase1.ppk
Show all
33°C
Mostly cloudy
15:52
03-05-2023


(3) WhatsApp
SKCET
IAM Management Console
https://us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/groups/details/Network-L1-Team?section=permissions
Services
Search
[Alt+S]
Global
Indhuprakash T M
Identity and Access Management (IAM)
Search IAM
Dashboard
Access management
User groups
Users
Roles
Policies
Identity providers
Account settings
Access reports
Access analyzer
Archive rules
Analyzers
Settings
Credential report
IAM > User groups > Network-L1-Team
Network-L1-Team
Delete
Summary
Edit
User group name
Network-L1-Team
Creation time
May 03, 2023, 15:53 (UTC+05:30)
ARN
arn:aws:iam::622463027672:group/Network-L1-Team
Users
Permissions
Access Advisor
Permissions policies (2) Info
You can attach up to 10 managed policies.
Simulate
Remove
Add permissions
Filter policies by property or policy name and press enter.
Policy name
Type
Description
AmazonVPCReadOnlyAccess
AWS managed
Provides read only access to Amazon VPC via the AWS Management Console.
AWSNetworkManagerReadOnlyAccess
AWS managed
Provides read only access to Amazon NetworkManager via the AWS Management Co…
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
ec2usecase1.ppk
Show all
33°C
Mostly cloudy
Search
ENG
IN
15:54
03-05-2023

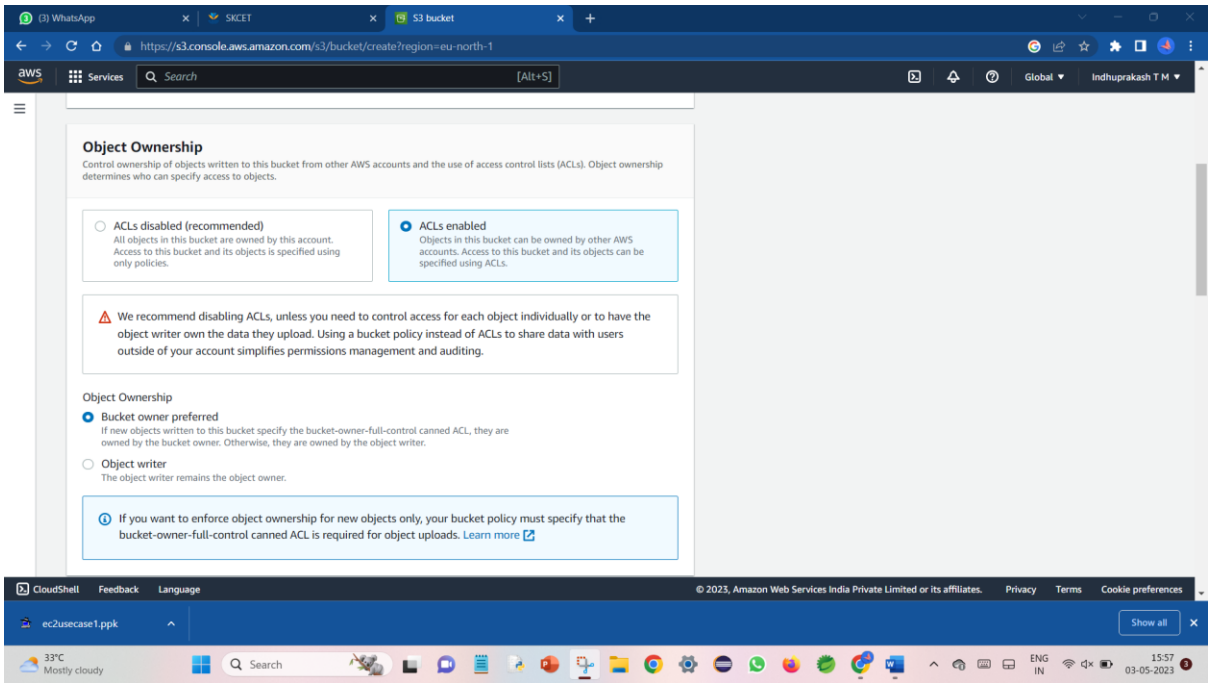
3.

i)

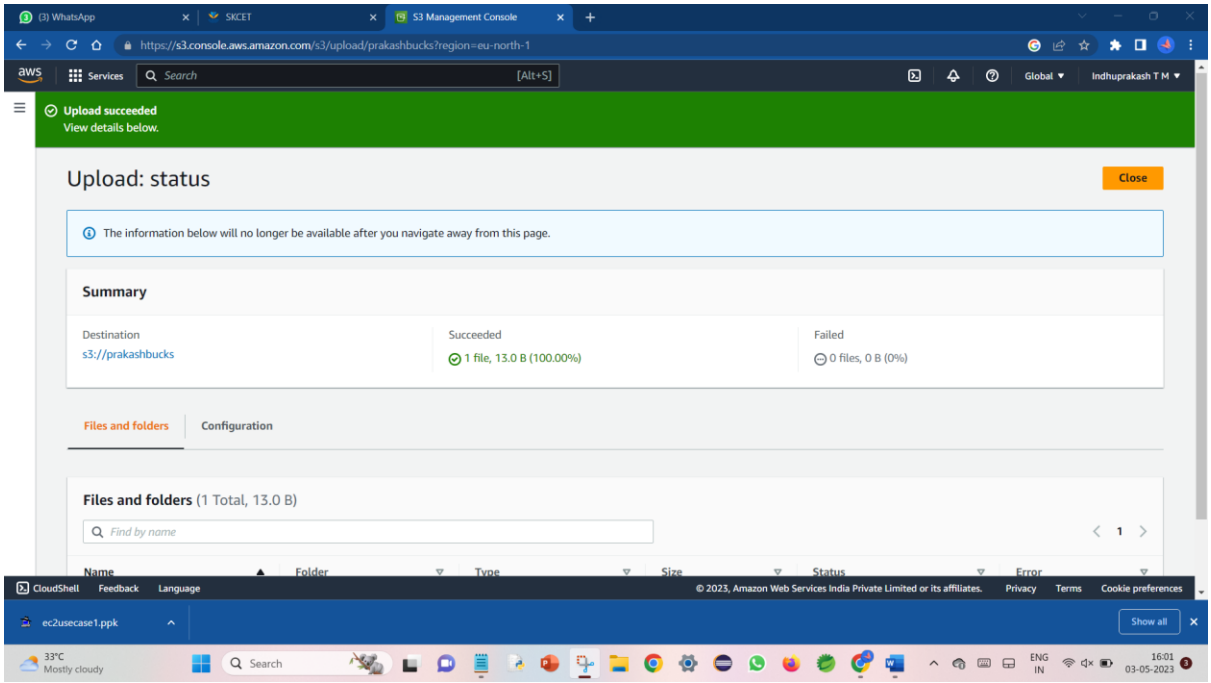

S3 bucket
https://s3.console.aws.amazon.com/s3/bucket/create?region=eu-north-1
Amazon S3 > Buckets > Create bucket
Create bucket
Buckets are containers for data stored in S3. Learn more
General configuration
Bucket name
prakashbucks
Bucket name must be globally unique and must not contain spaces or uppercase letters. See rules for bucket naming
AWS Region
EU (Stockholm) eu-north-1
Copy settings from existing bucket - optional
Only the bucket settings in the following configuration are copied.
Choose bucket
Object Ownership
Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences


S3 Management Console
https://s3.console.aws.amazon.com/s3/buckets?region=eu-north-1
Amazon S3
Buckets
Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
IAM Access Analyzer for S3
Block Public Access settings for this account
Storage Lens
Dashboards
AWS Organizations settings
Feature spotlight
AWS Marketplace for S3
Successfully created bucket "prakashbucks"
To upload files and folders, or to configure additional bucket settings choose View details.
View details
Amazon S3 > Buckets
Account snapshot
Storage lens provides visibility into storage usage and activity trends. Learn more
View Storage Lens dashboard
Buckets (1)
Buckets are containers for data stored in S3. Learn more
Copy ARN
Empty
Delete
Create bucket
Find buckets by name
Name
AWS Region
Access
Creation date
prakashbucks
EU (Stockholm) eu-north-1
Objects can be public
May 3, 2023, 15:59:14 (UTC+05:30)
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences

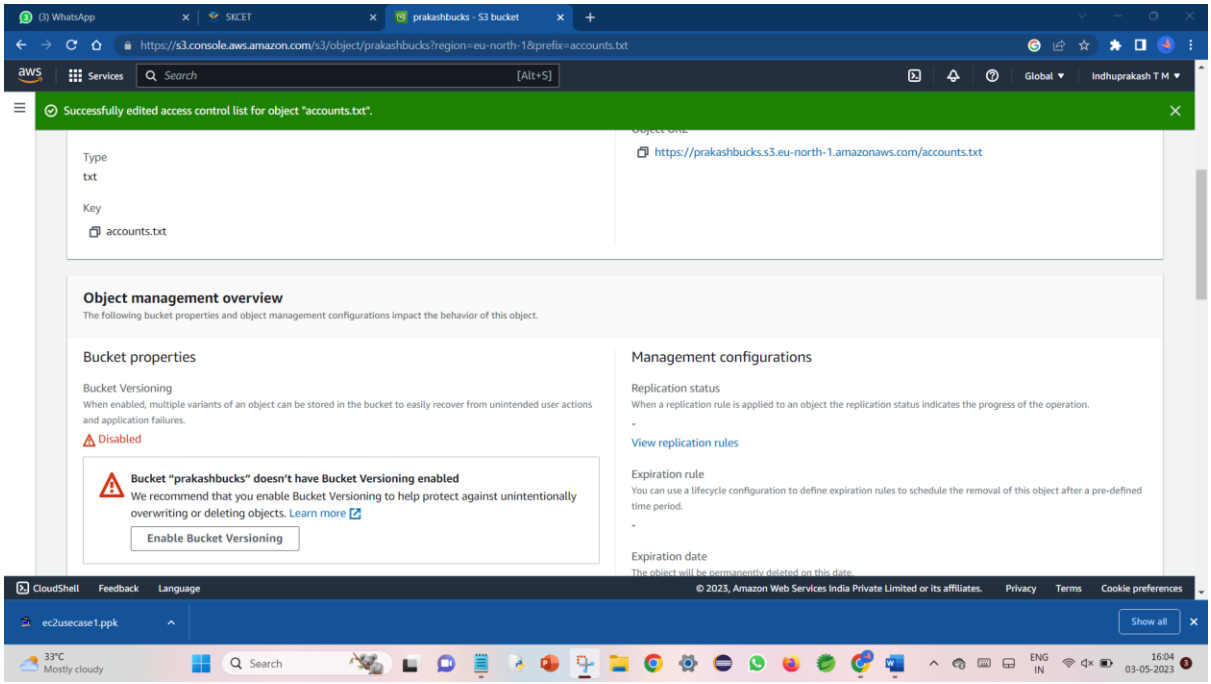
ii)

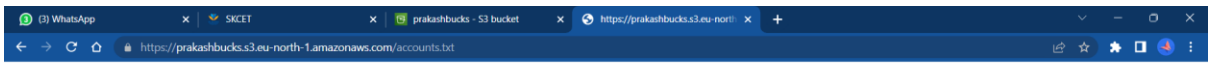

S3 bucket
https://s3.console.aws.amazon.com/s3/bucket/create?region=eu-north-1
Object Ownership
Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.
ACLs disabled (recommended)
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.
ACLs enabled
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.
We recommend disabling ACLs, unless you need to control access for each object individually or to have the object writer own the data they upload. Using a bucket policy instead of ACLs to share data with users outside of your account simplifies permissions management and auditing.
Object Ownership
Bucket owner preferred
If new objects written to this bucket specify the bucket-owner-full-control canned ACL, they are owned by the bucket owner. Otherwise, they are owned by the object writer.
Object writer
The object writer remains the object owner.
If you want to enforce object ownership for new objects only, your bucket policy must specify that the bucket-owner-full-control canned ACL is required for object uploads. Learn more
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences

iii)


S3 Management Console
https://s3.console.aws.amazon.com/s3/upload/prakashbucks?region=eu-north-1
Upload succeeded
View details below.
Upload: status
Close
The information below will no longer be available after you navigate away from this page.
Summary
Destination
s3://prakashbucks
Succeeded
1 file, 13.0 B (100.00%)
Failed
0 files, 0 B (0%)
Files and folders
Configuration
Files and folders (1 Total, 13.0 B)
Find by name
Name
Folder
Type
Size
Status
Error
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences

iv)


(3) WhatsApp
SKCET
prakashbucks - S3 bucket
https://s3.console.aws.amazon.com/s3/object/prakashbucks?region=eu-north-1&prefix=accounts.txt
Services
Search
[Alt+S]
Global
Indhuprakash T M
Successfully edited access control list for object "accounts.txt".
Type
txt
Key
accounts.txt
https://prakashbucks.s3.eu-north-1.amazonaws.com/accounts.txt
Object management overview
The following bucket properties and object management configurations impact the behavior of this object.
Bucket properties
Bucket Versioning
When enabled, multiple variants of an object can be stored in the bucket to easily recover from unintended user actions and application failures.
Disabled
Bucket "prakashbucks" doesn't have Bucket Versioning enabled
We recommend that you enable Bucket Versioning to help protect against unintentionally overwriting or deleting objects. Learn more
Enable Bucket Versioning
Management configurations
Replication status
When a replication rule is applied to an object the replication status indicates the progress of the operation.
-
View replication rules
Expiration rule
You can use a lifecycle configuration to define expiration rules to schedule the removal of this object after a pre-defined time period.
-
Expiration date
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
ec2usecase1.ppk
Show all
33°C
Mostly cloudy
Search
ENG
IN
16:04
03-05-2023


(3) WhatsApp
SKCET
prakashbucks - S3 bucket
https://prakashbucks.s3.eu-north-1.amazonaws.com/accounts.txt
accounts text

ec2usecase1.ppk
Show all
33°C
Mostly cloudy
Search
ENG
IN
16:06
03-05-2023