APPLICATION DEVELOPMENT ON CLOUD

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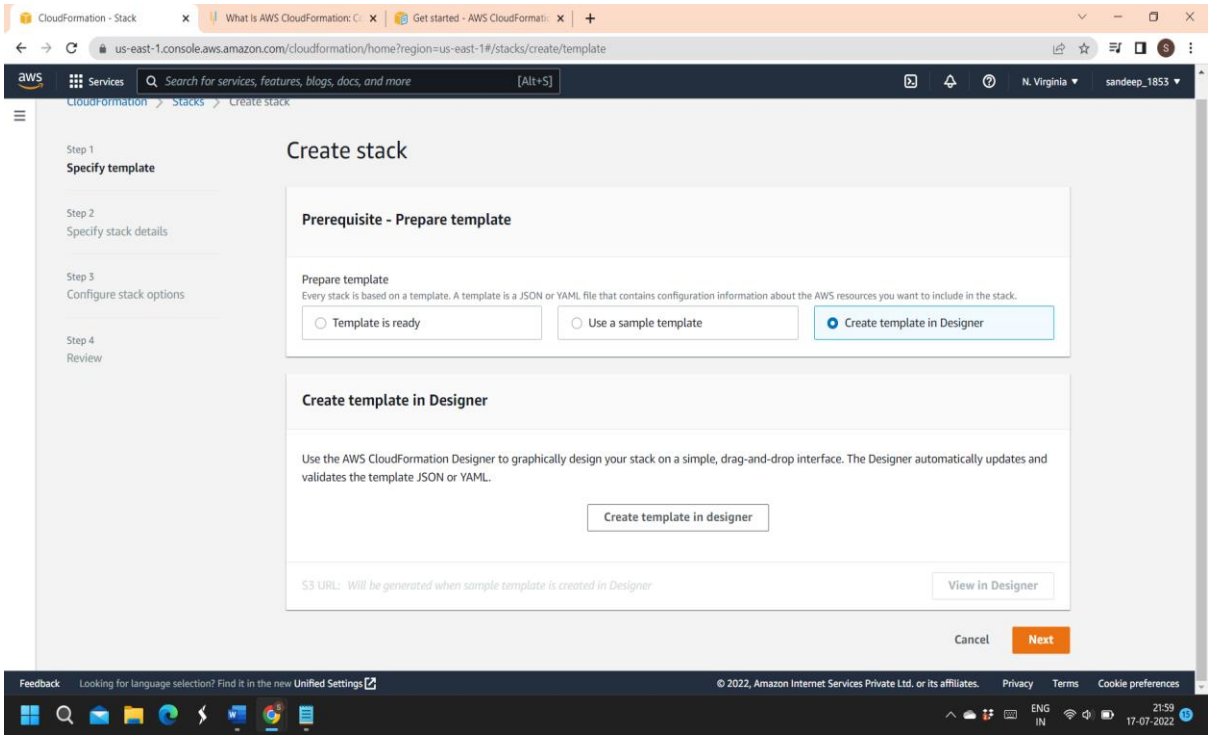
SECTION:01

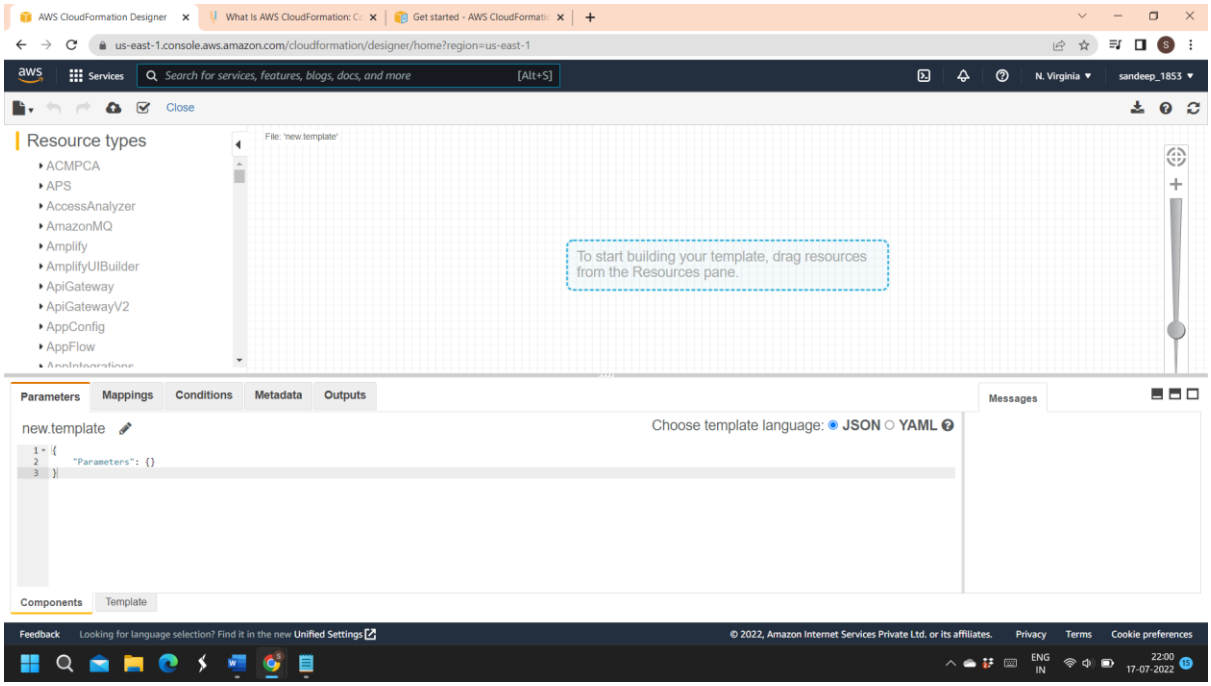
ASSIGNMENT 2: Assume a company is running with the AWS services in their main branch. They are now opening the new branch for the increased customers. Due to this, they need to create new set of AWS services which are similar to the existing main branch is having. Luckily, they Create Cloud formation template which can act as a Infrastructure as Code. Now, you are the administrator for the new branch, who need to create the AWS services. Create those services and show the output.

Ans:

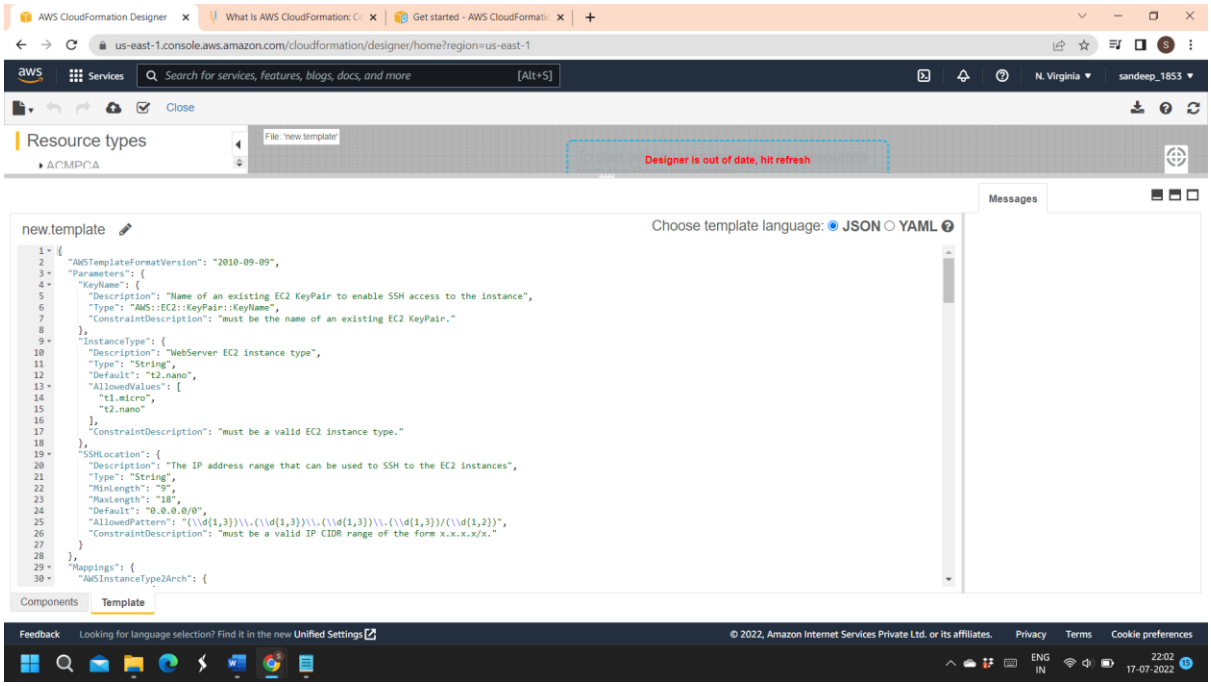
AWS CloudFormation simplifies provisioning and management on AWS. I can create templates for the service or application architectures you want and have AWS CloudFormation use those templates for quick and reliable provisioning of the services or applications (called “stacks”)

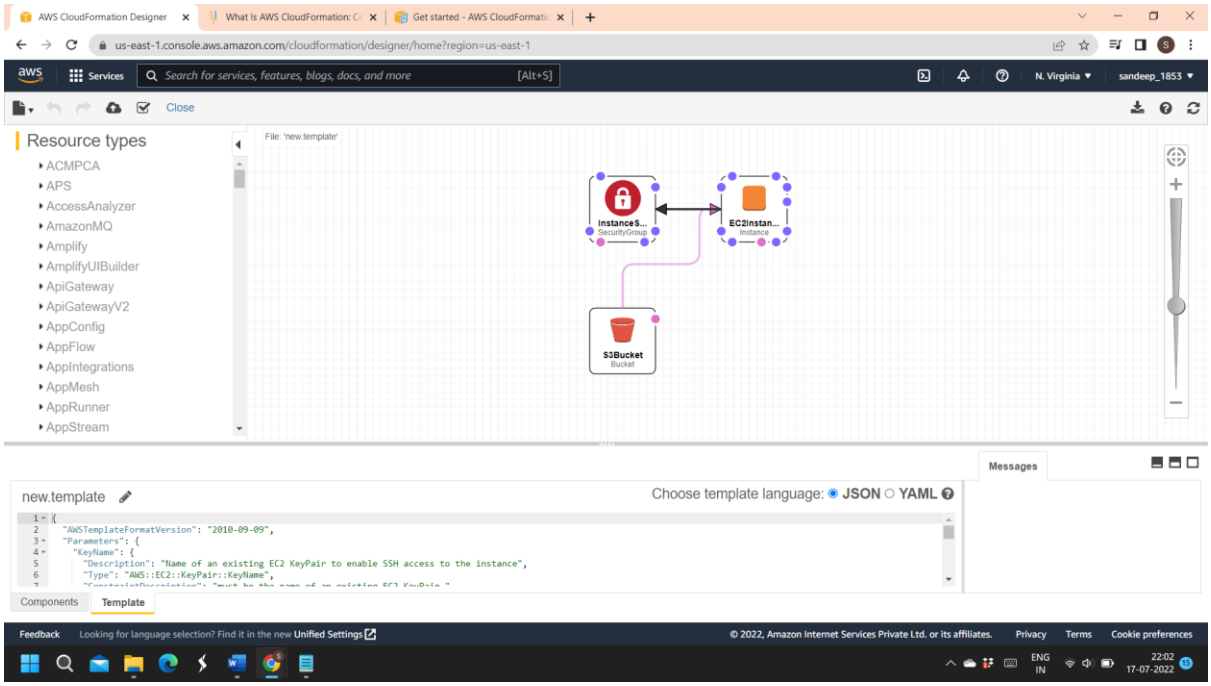
Step 1: Create Stack and choose the option Create template in Designer.



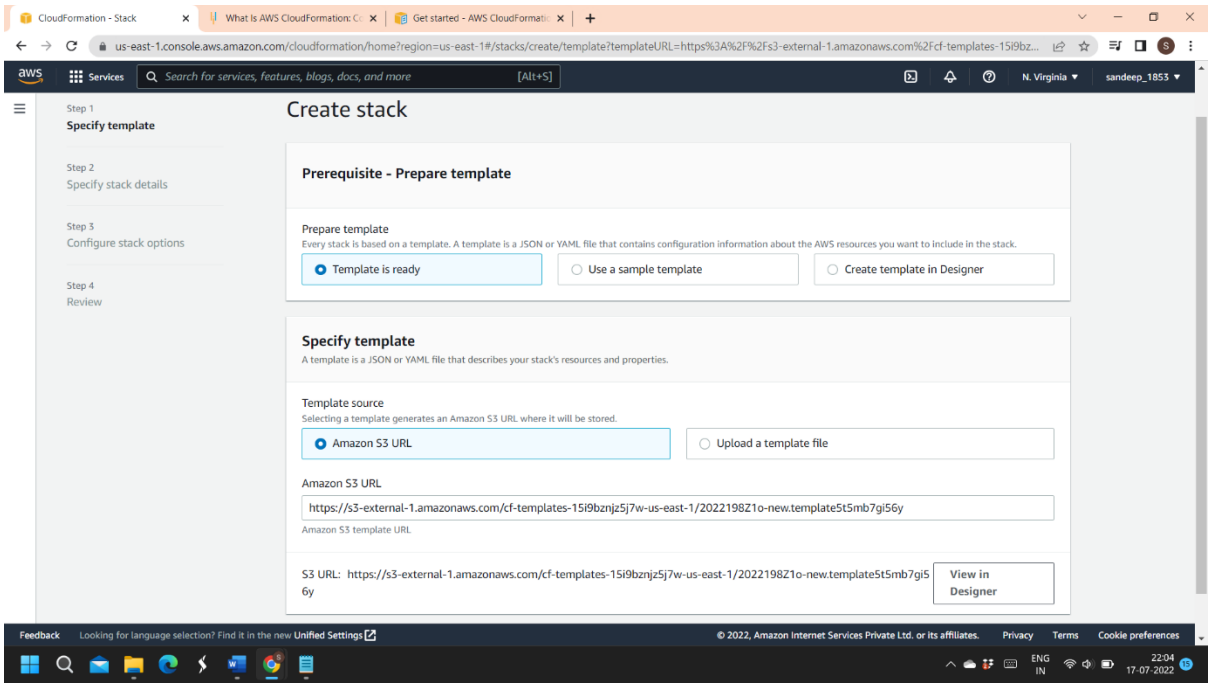


Step 2: Paste the JSON code in “Template” tab i.e..

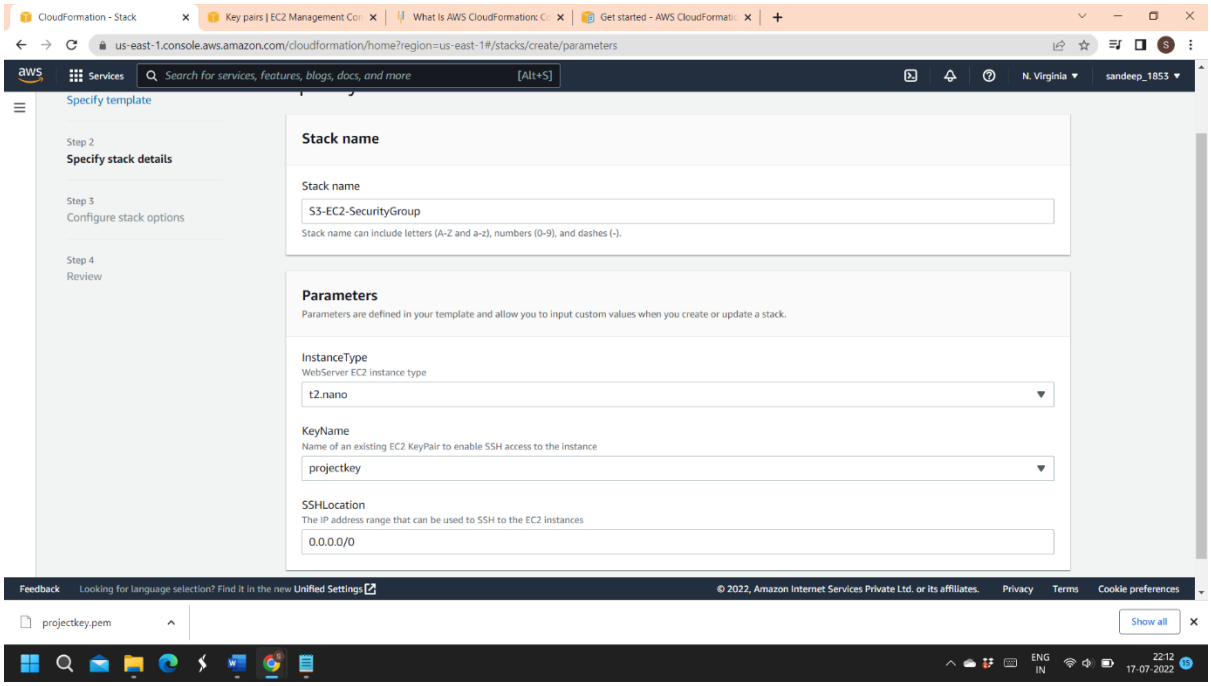


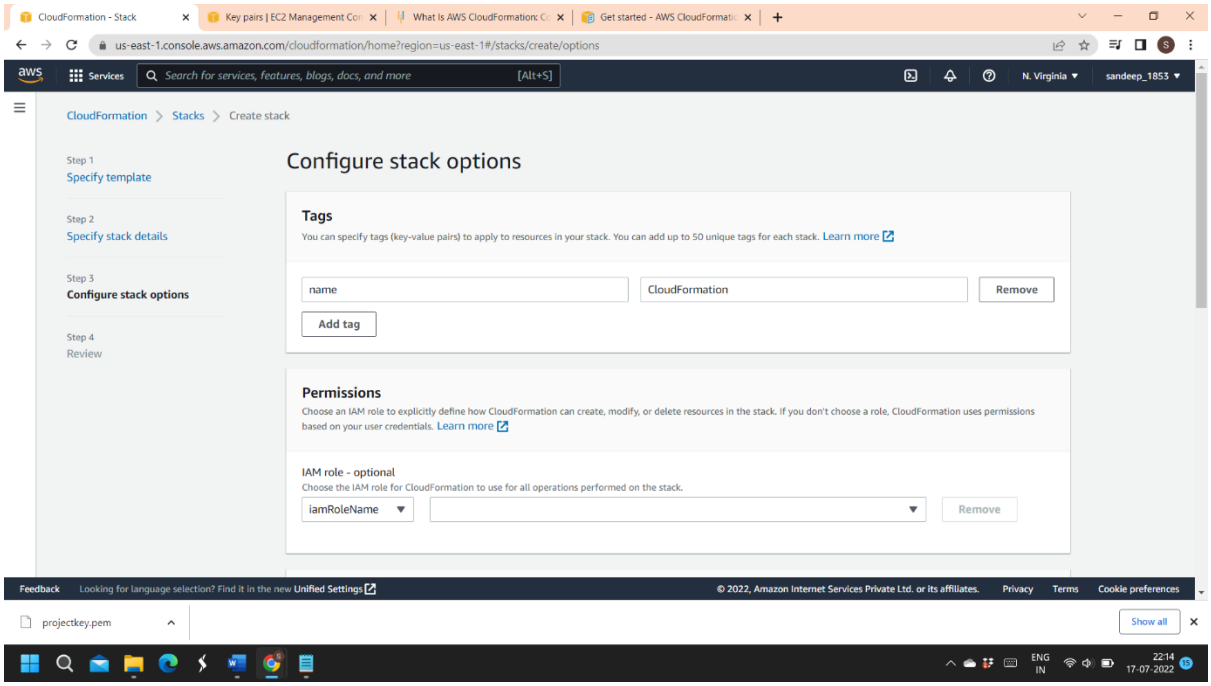


Step 3: Create a stack that at top left button and already file location is updated-->next-->S3-EC2-SecurityGroup(stack name)

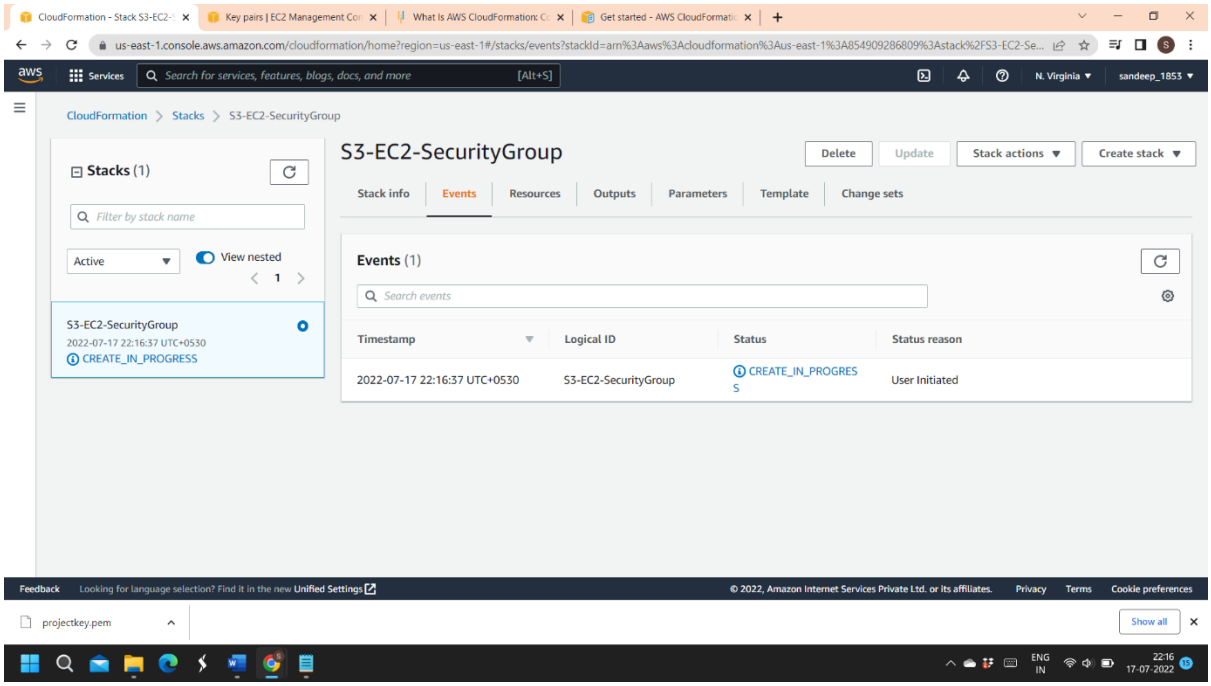


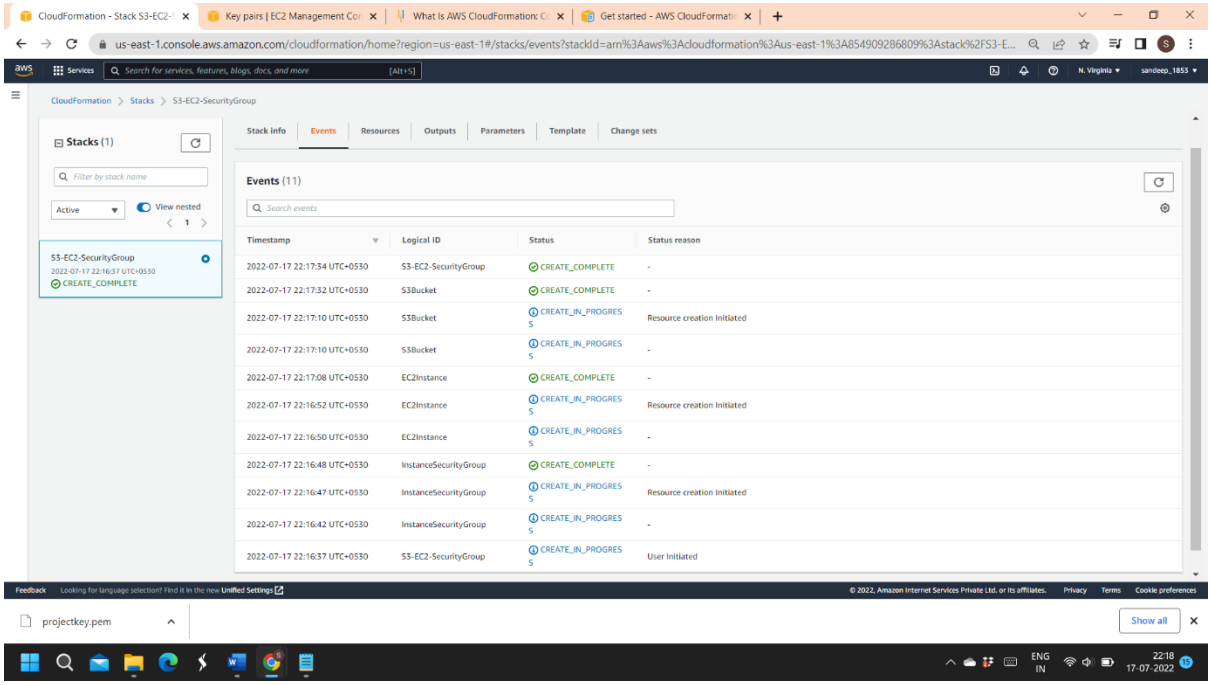
→I had created keypair already from ec2 instances i.e..” projectkey”



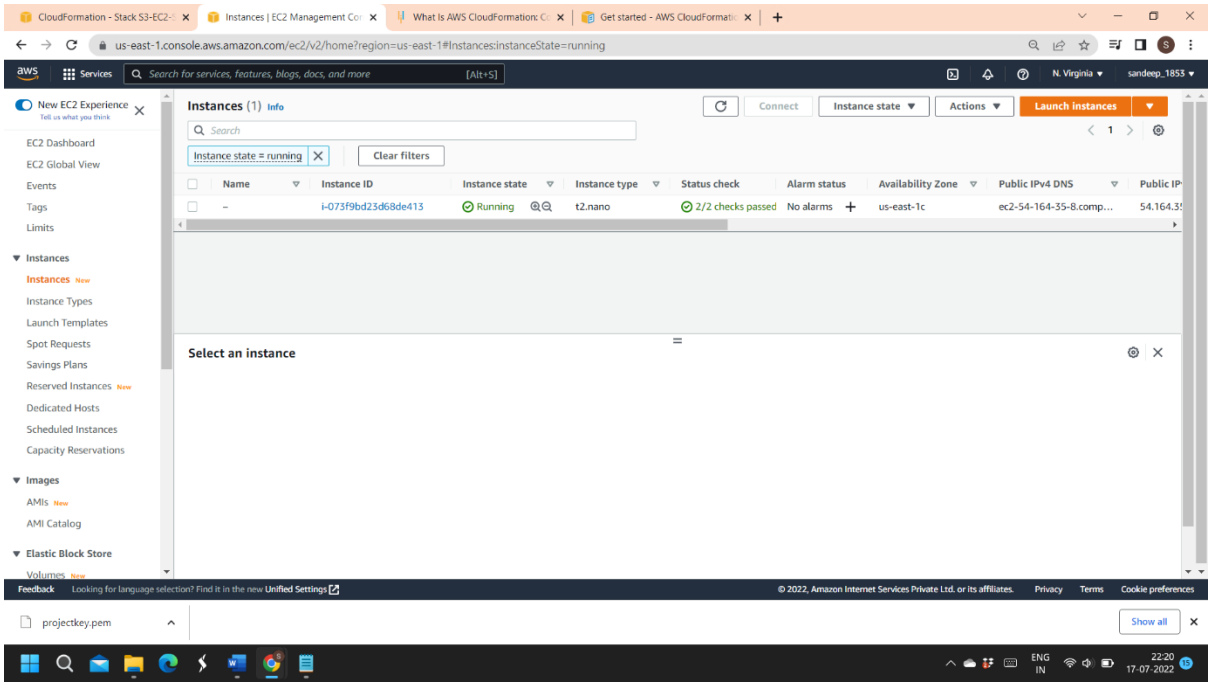


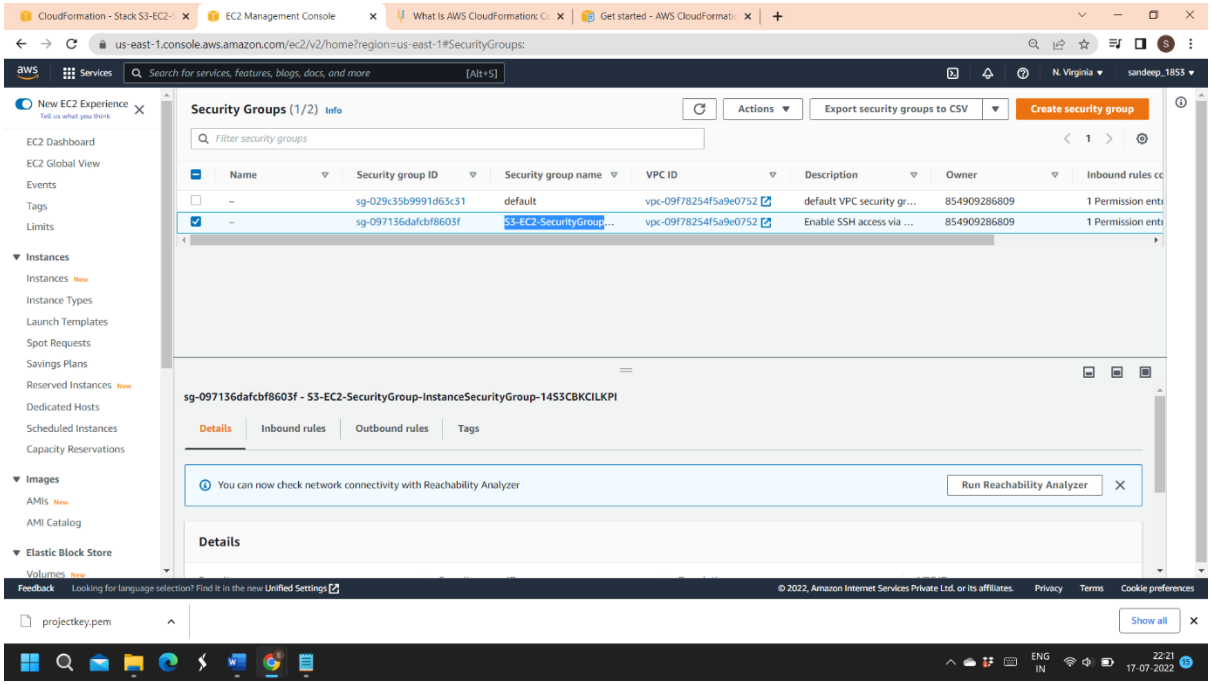
Click ->Create Stack

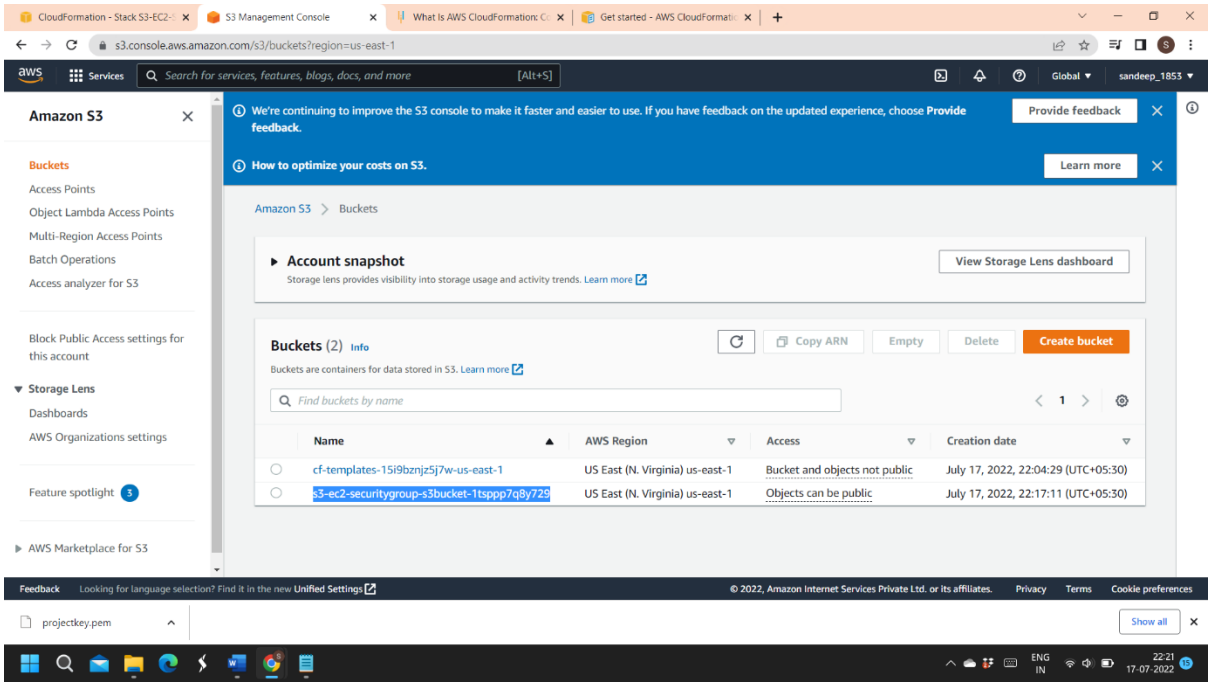




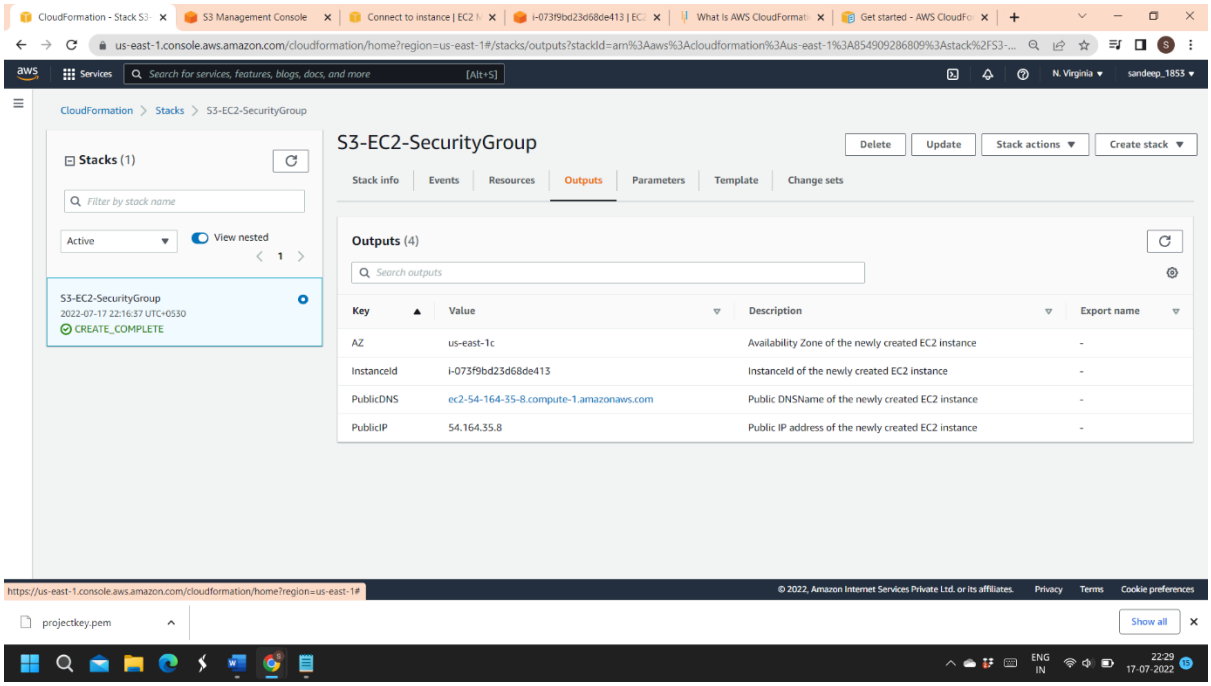
Step 4: Check EC2, S3 bucket and Security group created or not..






CloudFormation - Stack S3-EC2-
S3 Management Console
What Is AWS CloudFormation:
Get started - AWS CloudFormatio
s3.console.aws.amazon.com/s3/buckets?region=us-east-1
Services
Search for services, features, blogs, docs, and more
[Alt+S]
Global
sandeep_1853
Amazon S3
Buckets
Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
Access analyzer for S3
Block Public Access settings for this account
Storage Lens
Dashboards
AWS Organizations settings
Feature spotlight
AWS Marketplace for S3
We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.
Provide feedback
How to optimize your costs on S3.
Learn more
Amazon S3 > Buckets
Account snapshot
Storage lens provides visibility into storage usage and activity trends. Learn more
View Storage Lens dashboard
Buckets (2) Info
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
cf-templates-15i9bznjz5j7w-us-east-1
US East (N. Virginia) us-east-1
Bucket and objects not public
July 17, 2022, 22:04:29 (UTC+05:30)
s3-ec2-securitygroup-s3bucket-1tsppp7q8y729
US East (N. Virginia) us-east-1
Objects can be public
July 17, 2022, 22:17:11 (UTC+05:30)
Feedback
Looking for language selection? Find it in the new Unified Settings
© 2022, Amazon Internet Services Private Ltd. or its affiliates.
Privacy
Terms
Cookie preferences
projectkey.pem
Show all
ENG
IN
22:21
17-07-2022

Outputs:


CloudFormation - Stack S3-
S3 Management Console
Connect to instance | EC2
i-073f9bd23d68de413 | EC2
What Is AWS CloudFormatio
Get started - AWS CloudFo
us-east-1.console.aws.amazon.com/cloudformation/home?region=us-east-1#/stacks/outputs?stackId=arn%3Aaws%3Acloudformation%3Aus-east-1%3A854909286809%3Astack%2FS3-...
Services
Search for services, features, blogs, docs, and more
[Alt+S]
N. Virginia
sandeep_1853
CloudFormation > Stacks > S3-EC2-SecurityGroup
Stacks (1)
Filter by stack name
Active
View nested
S3-EC2-SecurityGroup
2022-07-17 22:16:37 UTC+0530
CREATE_COMPLETE
S3-EC2-SecurityGroup
Delete
Update
Stack actions
Create stack
Stack info
Events
Resources
Outputs
Parameters
Template
Change sets
Outputs (4)
Search outputs
Key
Value
Description
Export name
AZ
us-east-1c
Availability Zone of the newly created EC2 instance
-
InstanceId
i-073f9bd23d68de413
InstanceId of the newly created EC2 instance
-
PublicDNS
ec2-54-164-35-8.compute-1.amazonaws.com
Public DNSName of the newly created EC2 instance
-
PublicIP
54.164.35.8
Public IP address of the newly created EC2 instance
-
https://us-east-1.console.aws.amazon.com/cloudformation/home?region=us-east-1#
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Privacy
Terms
Cookie preferences
projectkey.pem
Show all
ENG
IN
22:29
17-07-2022