AWS Solutions Architect Certification Training

support@intellipaat.com - +91-7022374614 - US: 1-800-216-8930 (Toll Free)

AWS-DevOps-Project COMPLETED by Nagesha. K.S.
Please check the following screenshots for each question.

Problem Statement:

You are assigned to create a software development life cycle for an application your company has created.
The company wants you to use AWS for the infrastructure part and AWS Developer tools for the pipeline part.

Tasks to be performed:

1. Create a website in any language of your choice and push the code into **GitHub**
2. **Migrate** your **GitHub repository** into the **AWS CodeCommit repository**
3. Create **two CodeDeploy** deployments (for the **QA stage** and the **Production stage**) with an **EC2 deployment group** into which you can push the code from the CodeCommit repository
4. Using **AWS CodePipeline**, create a software development life cycle:
    a) The source is the **CodeCommit** repository.
    b) The code will be pushed into the deployment created in **CodeDeploy**.
    c) There should be **two stages in deployment**, the **QA stage** and the **Production stage**
    d) Only **when the QA stage is successful**, the **Production stage should execute**.
5. Create a **third stage** where the same website is pushed into an **Elastic Beanstalk environment**

Index.html

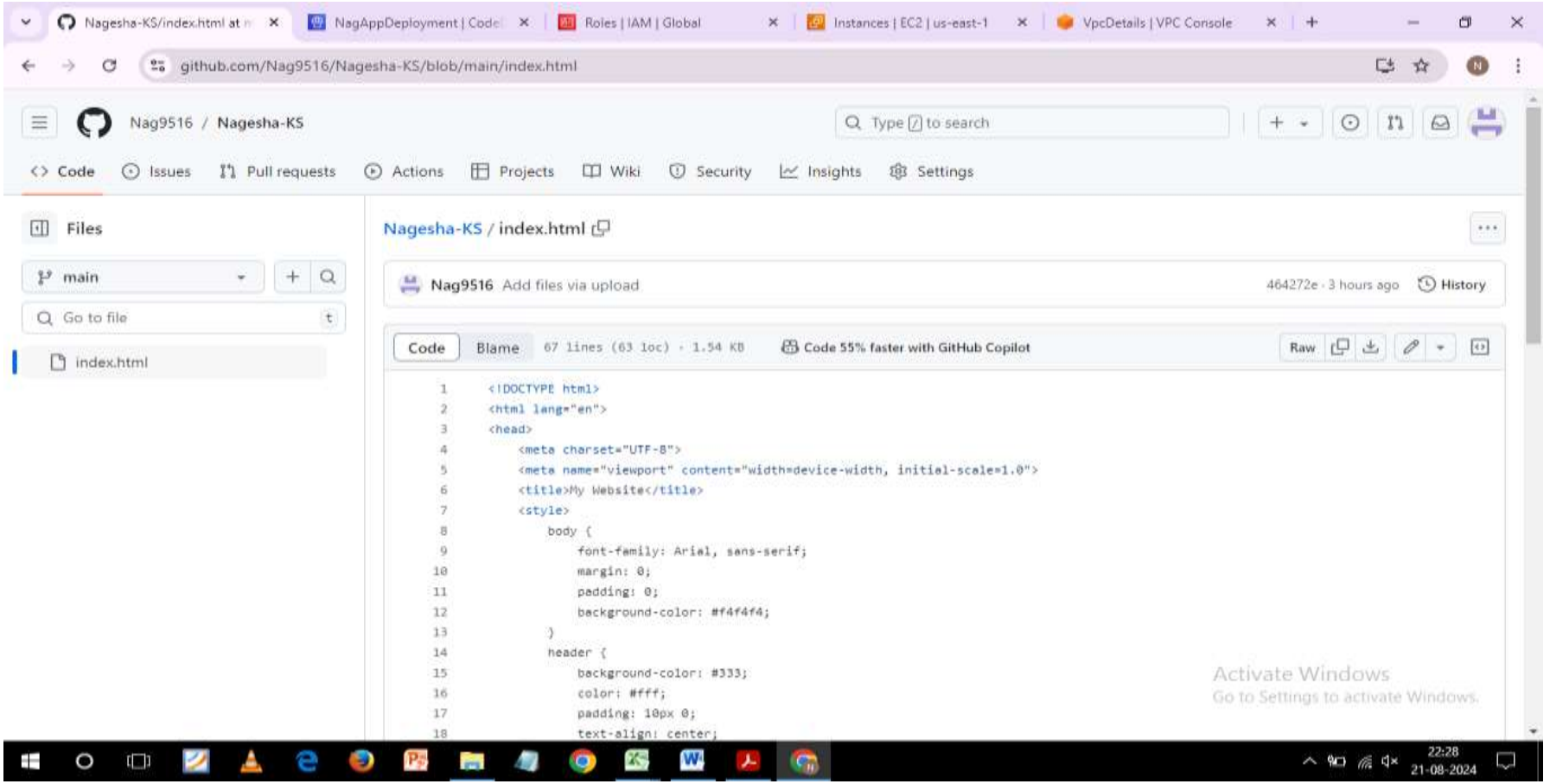
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>My Website</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 0;
      padding: 0;
      background-color: #f4f4f4;
    }
    header {
      background-color: #333;
      color: #fff;
      padding: 10px 0;
      text-align: center;
    }
    nav {
      background-color: #444;
      padding: 10px;
      text-align: center;
    }
    nav a {
      color: #fff;
      text-decoration: none;
      margin: 0 15px;
    }
```

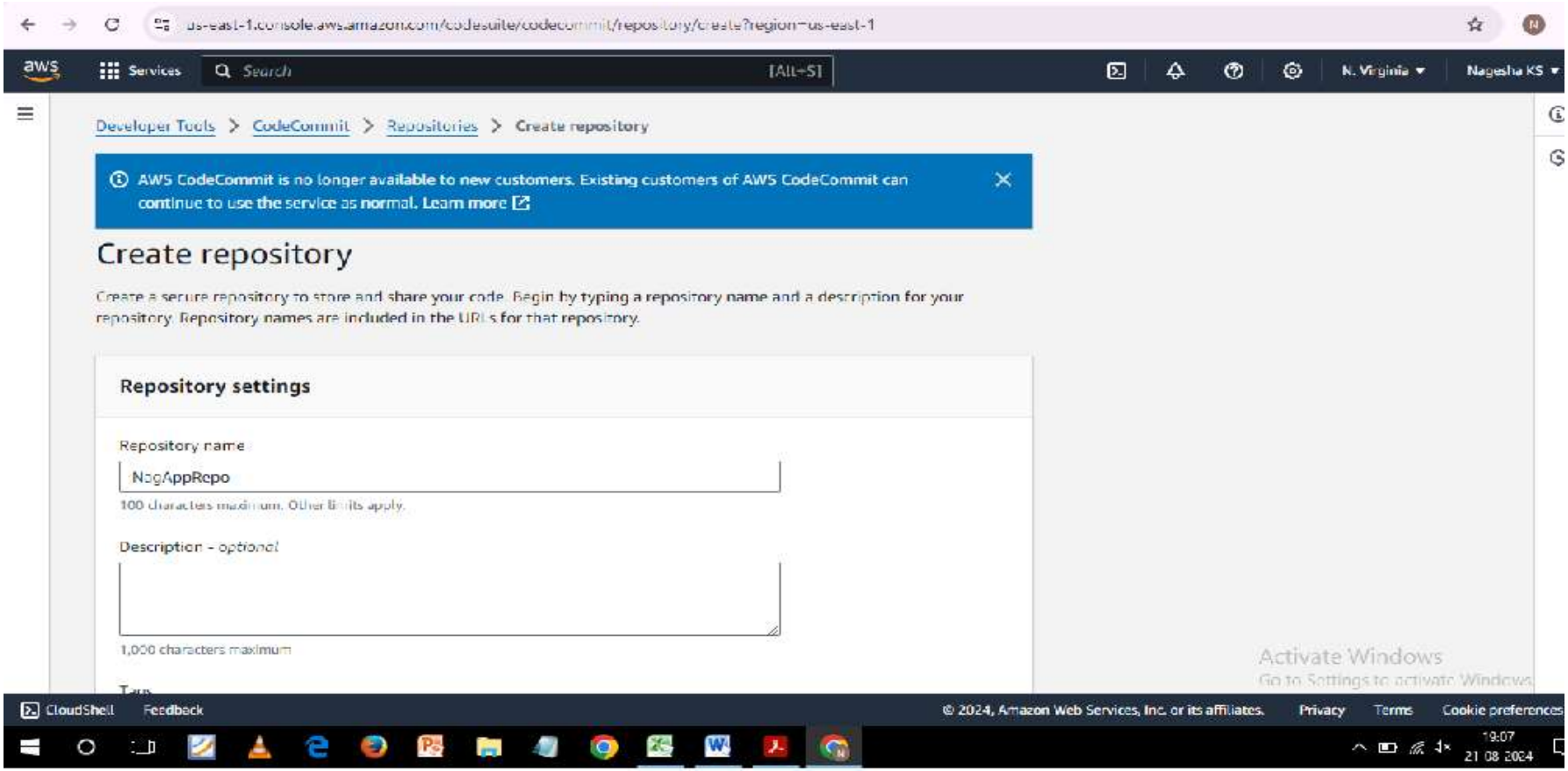
```
        section {
            padding: 20px;
            background-color: #fff;
        }
        footer {
            background-color: #333;
            color: #fff;
            text-align: center;
            padding: 10px 0;
            position: fixed;
            width: 100%;
            bottom: 0;
        }
    </style>
</head>
<body>
    <header>
        <h1>Welcome to Nagesha KS Website</h1>
    </header>

    <nav>
        <a href="#home">Home</a>
        <a href="#about">About</a>
        <a href="#services">Services</a>
        <a href="#contact">Contact</a>
    </nav>

    <section>
        <h2>Home</h2>
        <p>This is the home page content.</p>
    </section>
```

```
    <footer>
        <p>&copy; 2024 My Website. All rights reserved.</p>
    </footer>
</body>
</html>
```




us-east-1.console.aws.amazon.com/codesuite/codecommit/repository/create?region=us-east-1
aws
Services
Search
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N. Virginia
Nagesha KS
Developer Tools > CodeCommit > Repositories > Create repository
AWS CodeCommit is no longer available to new customers. Existing customers of AWS CodeCommit can continue to use the service as normal. Learn more
Create repository
Create a secure repository to store and share your code. Begin by typing a repository name and a description for your repository. Repository names are included in the URLs for that repository.
Repository settings
Repository name
NagAppRepo
100 characters maximum. Other limits apply.
Description - optional
1,000 characters maximum
Activate Windows
Go to Settings to activate Windows.
CloudShell
Feedback
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Privacy
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19:07
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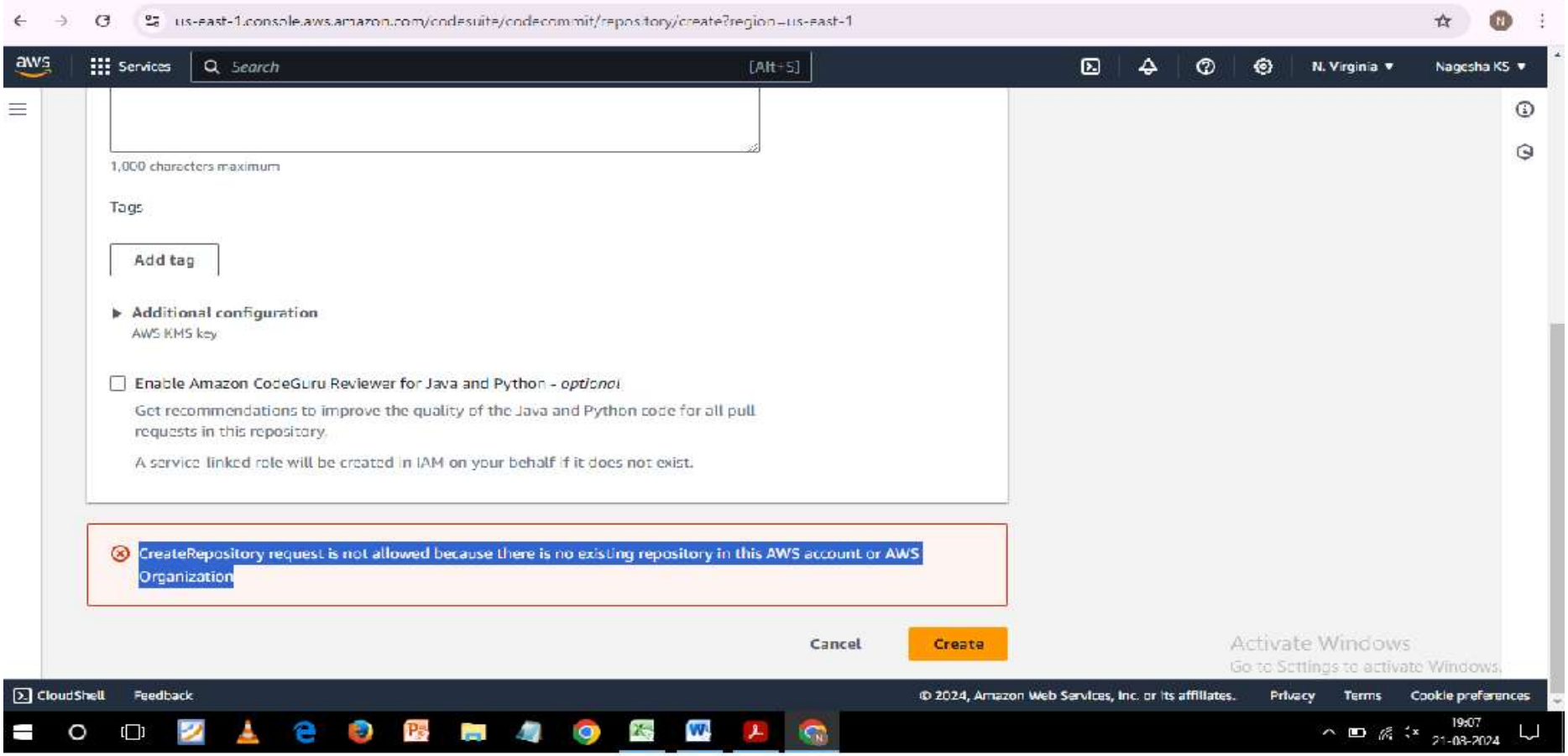
us-east-1.console.aws.amazon.com/codesuite/codecommit/repository/create?region=us-east-1
aws
Services
Search
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N. Virginia
Nagesha KS
1,000 characters maximum
Tags
Add tag
Additional configuration
AWS KMS key
Enable Amazon CodeGuru Reviewer for Java and Python - optional
Get recommendations to improve the quality of the Java and Python code for all pull requests in this repository.
A service linked role will be created in IAM on your behalf if it does not exist.
CreateRepository request is not allowed because there is no existing repository in this AWS account or AWS Organization
Cancel
Create
Activate Windows
Go to Settings to activate Windows.
CloudShell
Feedback
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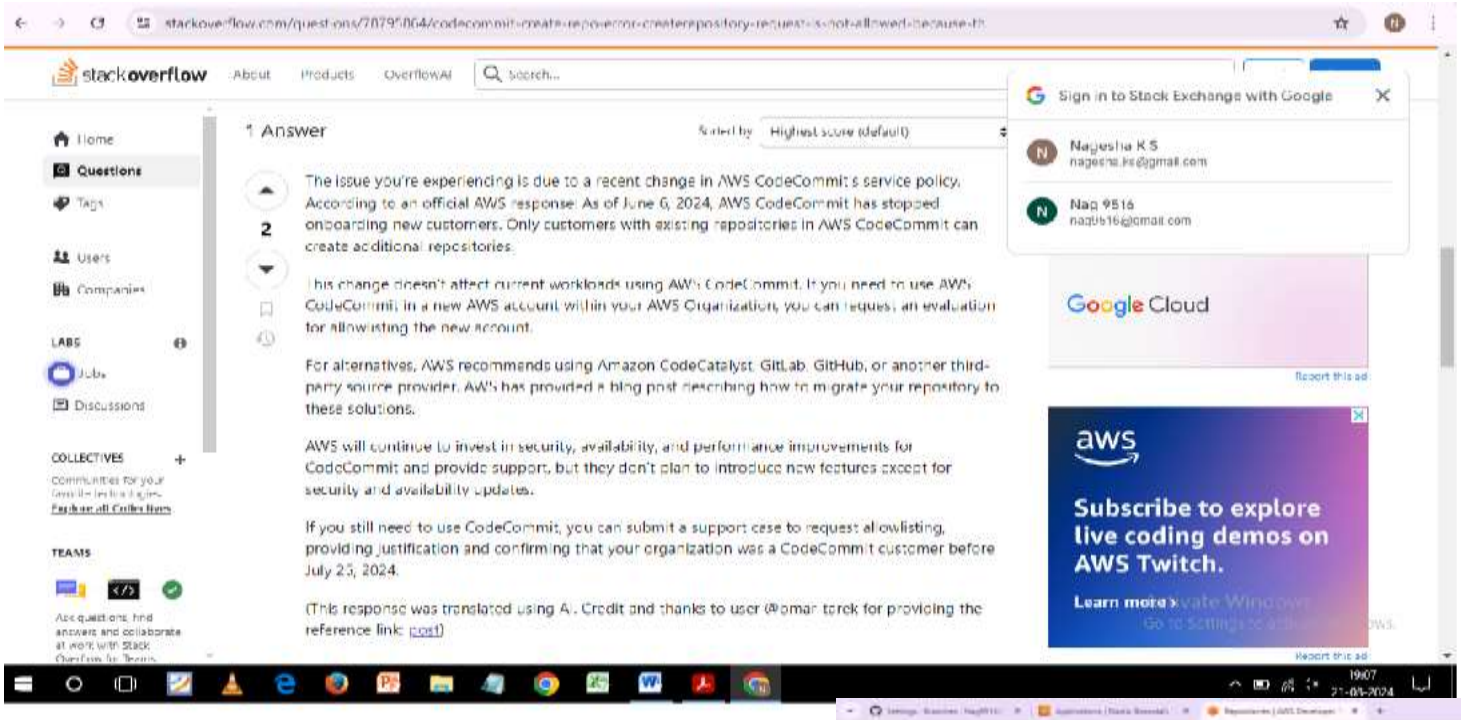
stackoverflow
About
Products
OverflowAI
Search...
Home
Questions
Tags
Users
Companies
LABS
Jobs
Discussions
COLLECTIVES
TEAMS
1 Answer
Sorted by: Highest score (default)
2
The issue you're experiencing is due to a recent change in AWS CodeCommit's service policy. According to an official AWS response: As of June 6, 2024, AWS CodeCommit has stopped onboarding new customers. Only customers with existing repositories in AWS CodeCommit can create additional repositories.
This change doesn't affect current workloads using AWS CodeCommit. If you need to use AWS CodeCommit in a new AWS account within your AWS Organization, you can request an evaluation for allowlisting the new account.
For alternatives, AWS recommends using Amazon CodeCatalyst, GitLab, GitHub, or another third-party source provider. AWS has provided a blog post describing how to migrate your repository to these solutions.
AWS will continue to invest in security, availability, and performance improvements for CodeCommit and provide support, but they don't plan to introduce new features except for security and availability updates.
If you still need to use CodeCommit, you can submit a support case to request allowlisting, providing justification and confirming that your organization was a CodeCommit customer before July 25, 2024.
(This response was translated using AI. Credit and thanks to user @omar tarek for providing the reference link: [cost])
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Nag 9516
nagb516@gmail.com
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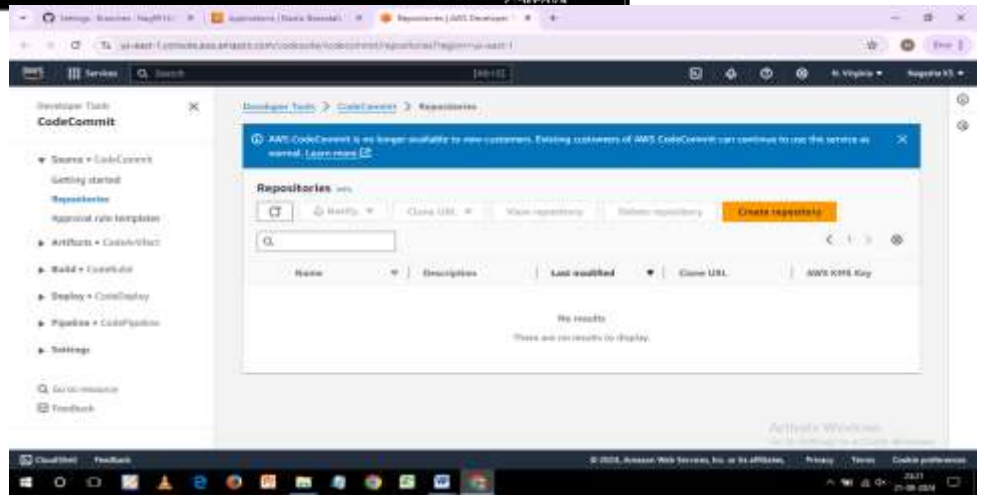
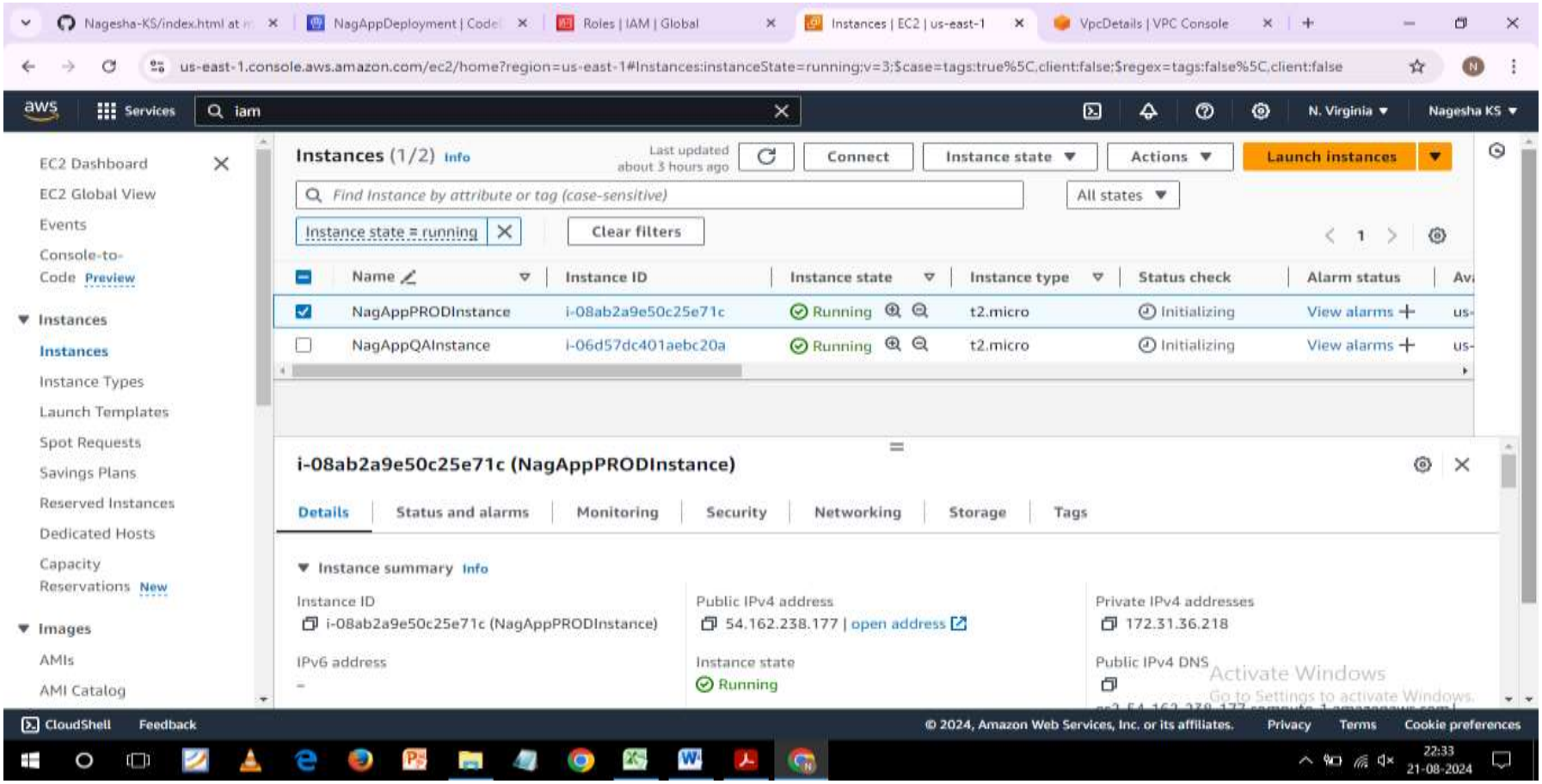

CodeCommit
Repositories
Create repository
Name
Description
Last modified
Clone URL
No results


Nagesha-KS/index.html at
NagAppDeployment | Code
Roles | IAM | Global
Instances | EC2 | us-east-1
VpcDetails | VPC Console
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:instanceState=running;v=3;$case=tags:true%5C,client:false;$regex=tags:false%5C,client:false
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Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations New
Images
AMIs
AMI Catalog
Instances (1/2) Info
Last updated about 3 hours ago
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
Instance state = running
Clear filters
1
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
NagAppPRODInstance
i-08ab2a9e50c25e71c
Running
t2.micro
Initializing
View alarms
NagAppQAInstance
i-06d57dc401aebc20a
Running
t2.micro
Initializing
View alarms
i-08ab2a9e50c25e71c (NagAppPRODInstance)
Details
Status and alarms
Monitoring
Security
Networking
Storage
Tags
Instance summary Info
Instance ID
i-08ab2a9e50c25e71c (NagAppPRODInstance)
IPv6 address
-
Public IPv4 address
54.162.238.177 | open address
Instance state
Running
Private IPv4 addresses
172.31.36.218
Public IPv4 DNS
Activate Windows
Go to Settings to activate Windows.
CloudShell
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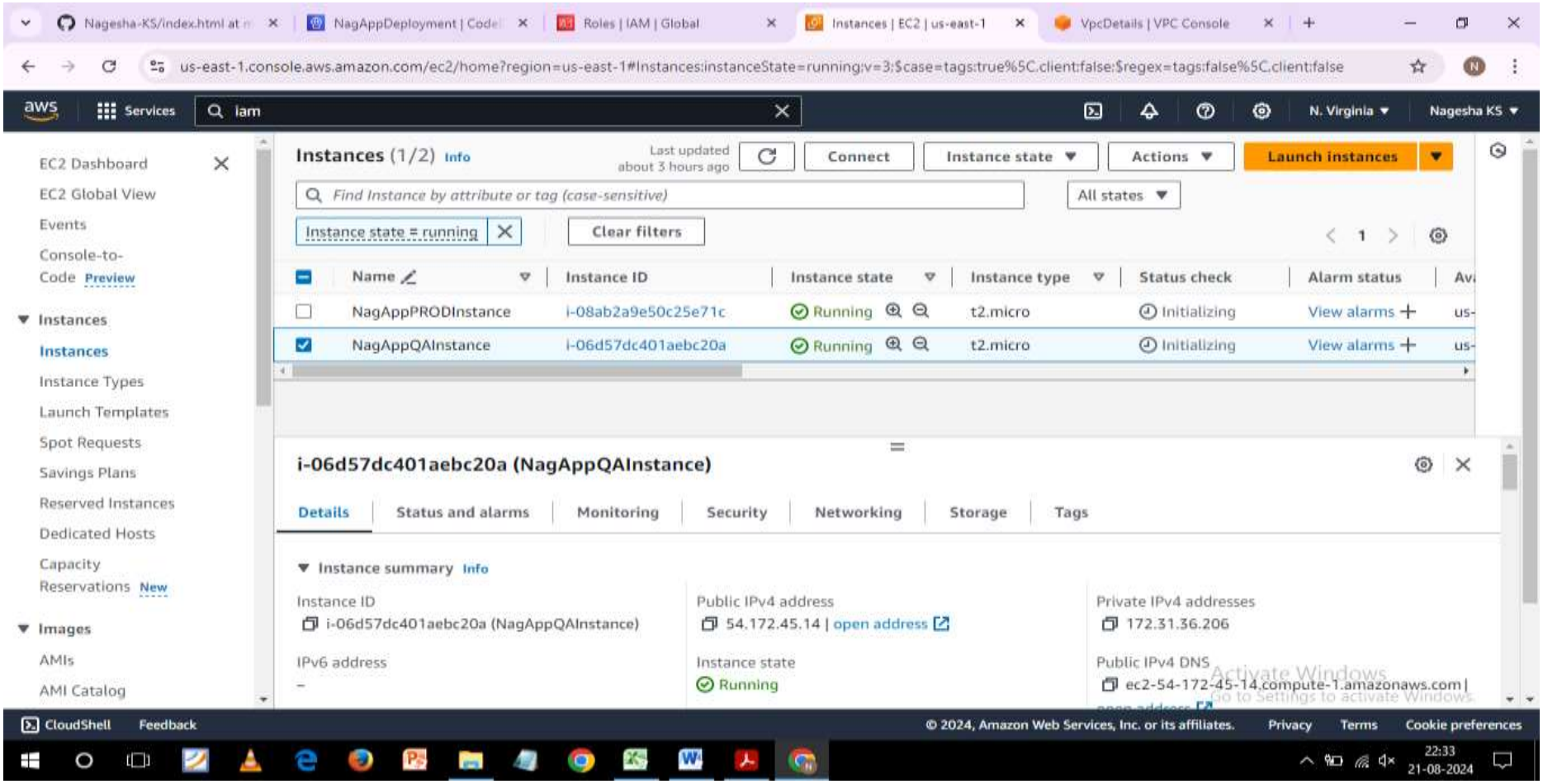
Nagesha-KS/index.html at m
NagAppDeployment | Code
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Instances | EC2 | us-east-1
VpcDetails | VPC Console
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:instanceState=running;v=3;$case=tags:true%5C,client:false;$regex=tags:false%5C,client:false
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Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
Instance state = running
Clear filters
1
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
NagAppPRODInstance
i-08ab2a9e50c25e71c
Running
t2.micro
Initializing
View alarms
NagAppQAInstance
i-06d57dc401aebc20a
Running
t2.micro
Initializing
View alarms
i-06d57dc401aebc20a (NagAppQAInstance)
Details
Status and alarms
Monitoring
Security
Networking
Storage
Tags
Instance summary Info
Instance ID
i-06d57dc401aebc20a (NagAppQAInstance)
IPv6 address
–
Public IPv4 address
54.172.45.14 | open address
Instance state
Running
Private IPv4 addresses
172.31.36.206
Public IPv4 DNS
ec2-54-172-45-14.compute-1.amazonaws.com | open address
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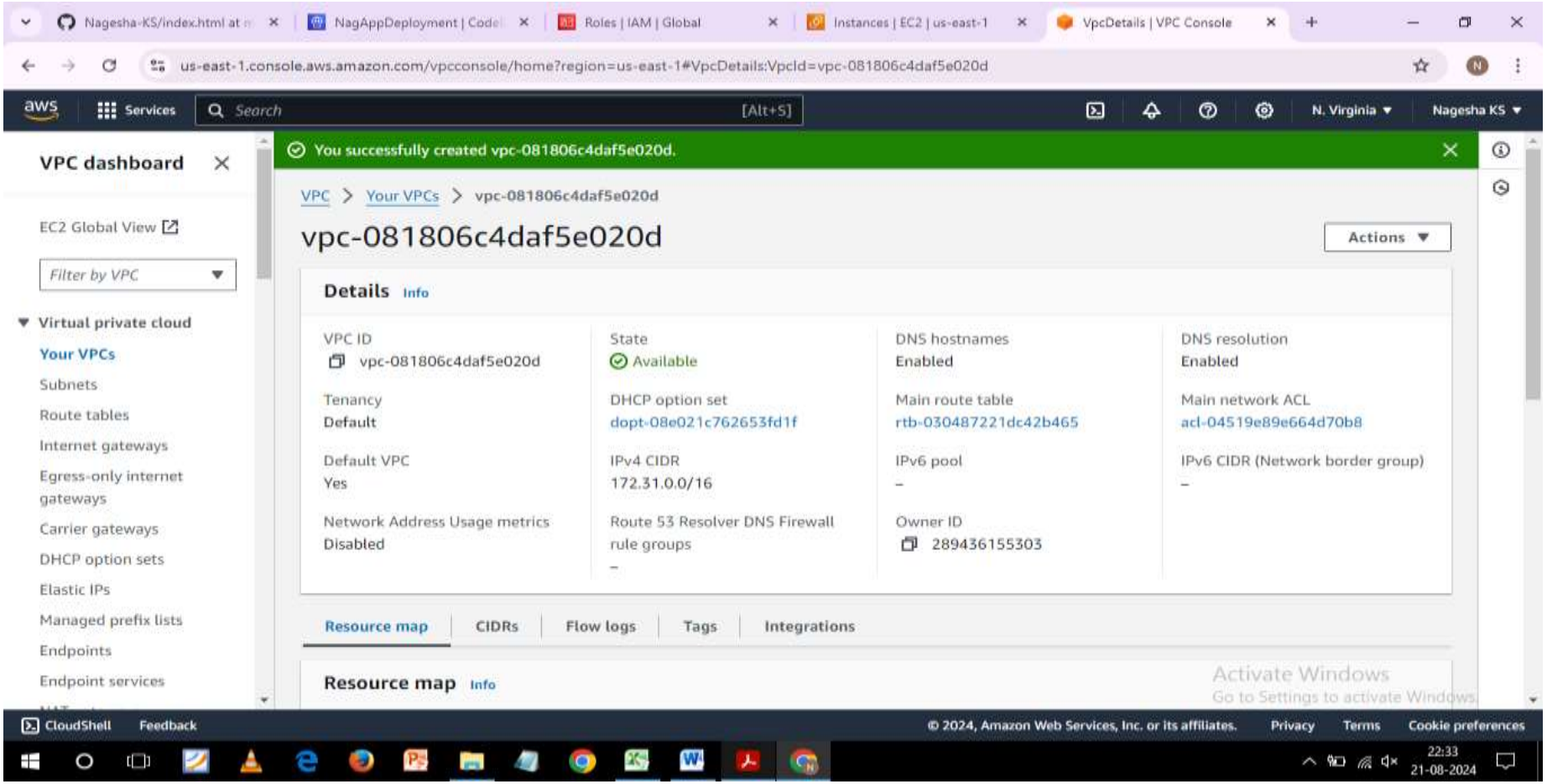
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VpcDetails | VPC Console
us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#VpcDetails:VpcId=vpc-081806c4daf5e020d
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VPC dashboard
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Carrier gateways
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Elastic IPs
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Endpoint services
You successfully created vpc-081806c4daf5e020d.
VPC > Your VPCs > vpc-081806c4daf5e020d
vpc-081806c4daf5e020d
Actions
Details Info
VPC ID
vpc-081806c4daf5e020d
State
Available
DNS hostnames
Enabled
DNS resolution
Enabled
Tenancy
Default
DHCP option set
dopt-08e021c762653fd1f
Main route table
rtb-030487221dc42b465
Main network ACL
acl-04519e89e664d70b8
Default VPC
Yes
IPv4 CIDR
172.31.0.0/16
IPv6 pool
-
IPv6 CIDR (Network border group)
-
Network Address Usage metrics
Disabled
Route 53 Resolver DNS Firewall rule groups
-
Owner ID
289436155303
Resource map
CIDRs
Flow logs
Tags
Integrations
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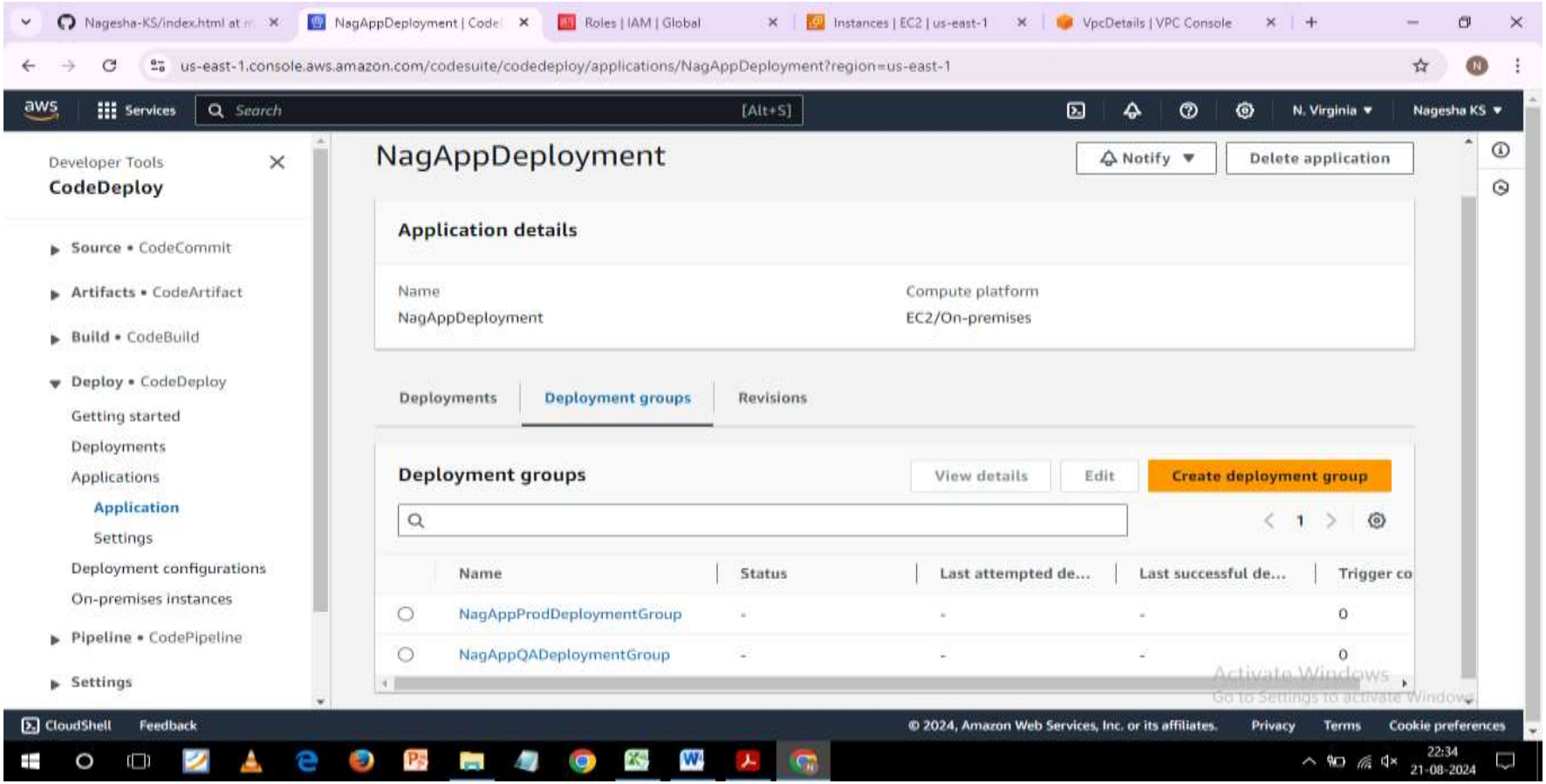
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us-east-1.console.aws.amazon.com/codesuite/codedeploy/applications/NagAppDeployment?region=us-east-1
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View details
Edit
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Status
Last attempted de...
Last successful de...
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NagAppProdDeploymentGroup
NagAppQADeploymentGroup
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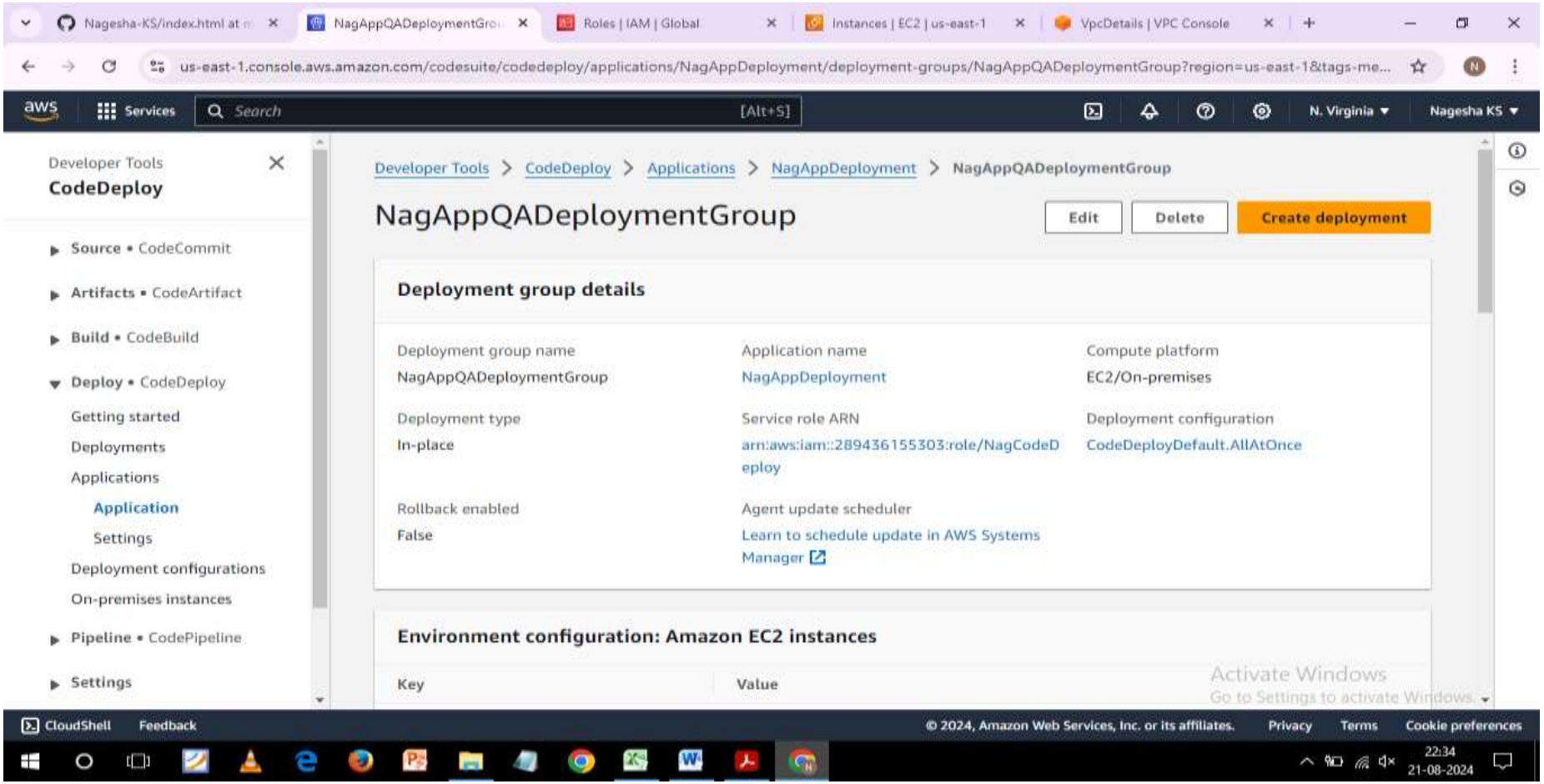
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VpcDetails | VPC Console
us-east-1.console.aws.amazon.com/codesuite/codedeploy/applications/NagAppDeployment/deployment-groups/NagAppQADeploymentGroup?region=us-east-1&tags-me...
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Create deployment
Deployment group details
Deployment group name
NagAppQADeploymentGroup
Application name
NagAppDeployment
Compute platform
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Deployment type
In-place
Service role ARN
arn:aws:iam::289436155303:role/NagCodeDeploy
Deployment configuration
CodeDeployDefault.AllAtOnce
Rollback enabled
False
Agent update scheduler
Learn to schedule update in AWS Systems Manager
Environment configuration: Amazon EC2 instances
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Value
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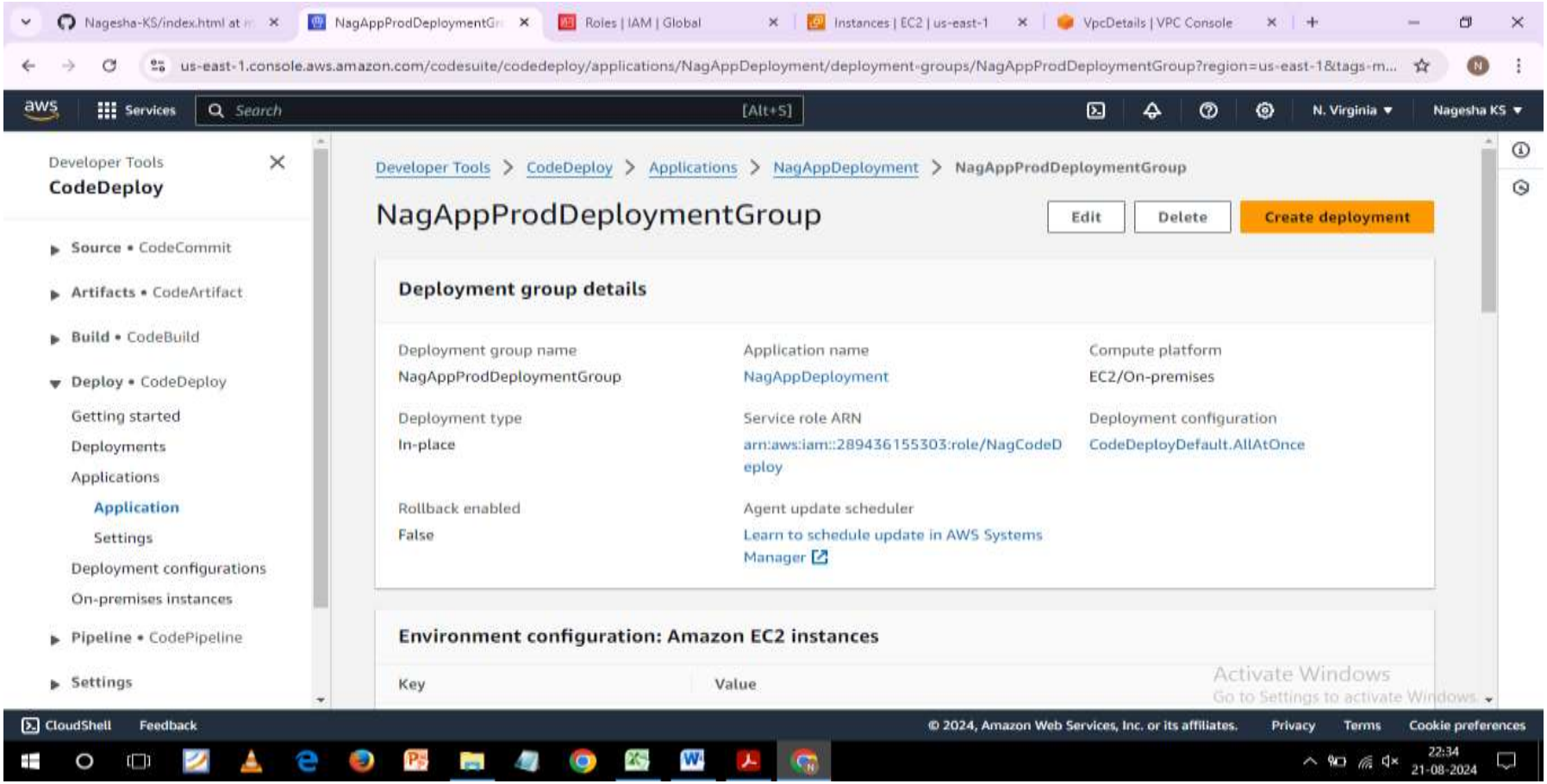
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VpcDetails | VPC Console
us-east-1.console.aws.amazon.com/codesuite/codedeploy/applications/NagAppDeployment/deployment-groups/NagAppProdDeploymentGroup?region=us-east-1&tags-m...
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Developer Tools > CodeDeploy > Applications > NagAppDeployment > NagAppProdDeploymentGroup
NagAppProdDeploymentGroup
Edit
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Create deployment
Deployment group details
Deployment group name
NagAppProdDeploymentGroup
Application name
NagAppDeployment
Compute platform
EC2/On-premises
Deployment type
In-place
Service role ARN
arn:aws:iam::289436155303:role/NagCodeDeploy
Deployment configuration
CodeDeployDefault.AllAtOnce
Rollback enabled
False
Agent update scheduler
Learn to schedule update in AWS Systems Manager
Environment configuration: Amazon EC2 instances
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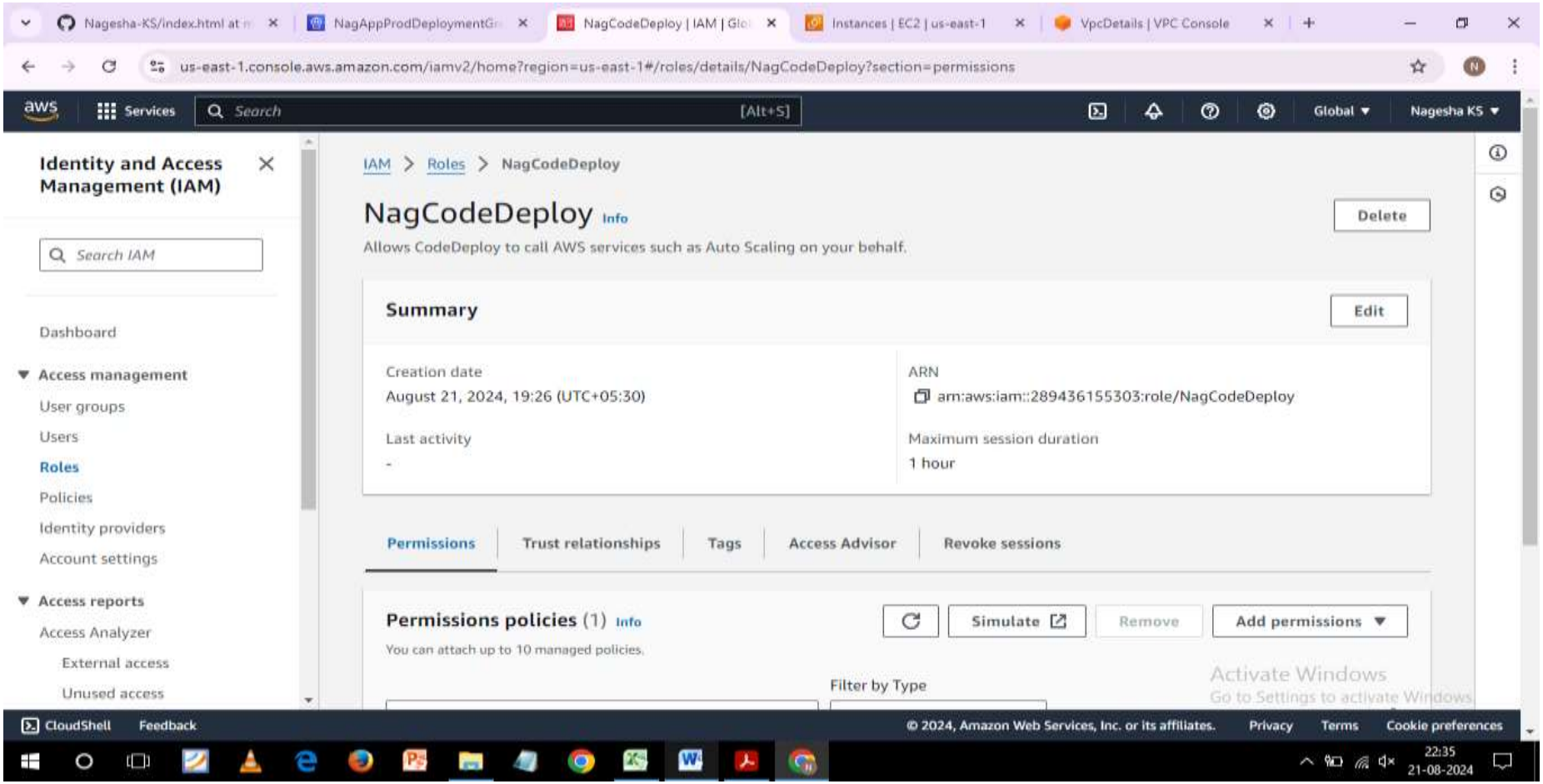
Nagesha-KS/index.html at
NagAppProdDeploymentGr
NagCodeDeploy | IAM | Glo
Instances | EC2 | us-east-1
VpcDetails | VPC Console
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/roles/details/NagCodeDeploy?section=permissions
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Identity and Access Management (IAM)
Search IAM
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Access management
User groups
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Policies
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Account settings
Access reports
Access Analyzer
External access
Unused access
IAM > Roles > NagCodeDeploy
NagCodeDeploy Info
Delete
Allows CodeDeploy to call AWS services such as Auto Scaling on your behalf.
Summary
Edit
Creation date
August 21, 2024, 19:26 (UTC+05:30)
ARN
arn:aws:iam::289436155303:role/NagCodeDeploy
Last activity
-
Maximum session duration
1 hour
Permissions
Trust relationships
Tags
Access Advisor
Revoke sessions
Permissions policies (1) Info
You can attach up to 10 managed policies.
Simulate
Remove
Add permissions
Filter by Type
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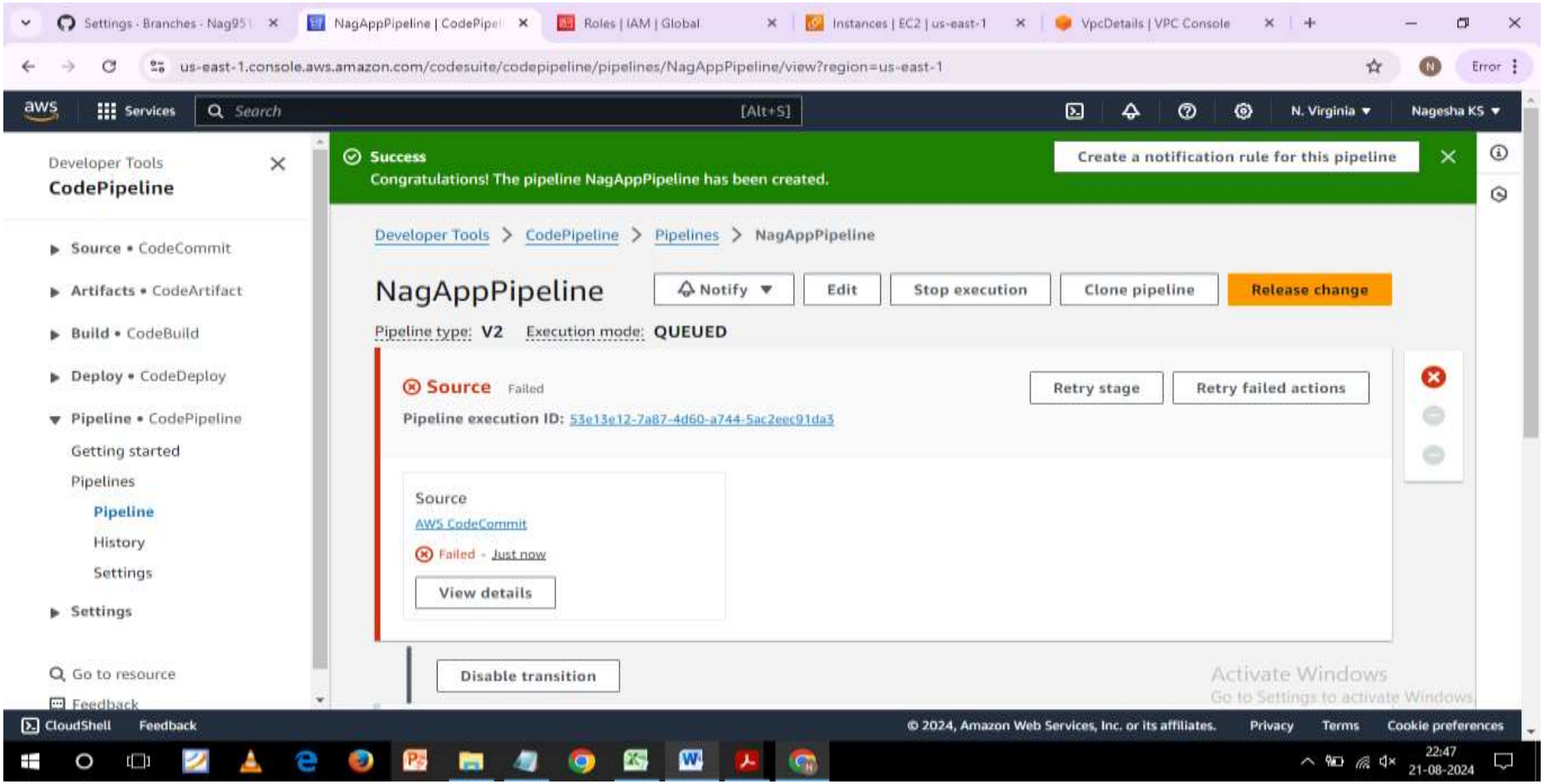
Settings - Branches - Nag95
NagAppPipeline | CodePipel
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us-east-1.console.aws.amazon.com/codesuite/codepipeline/pipelines/NagAppPipeline/view?region=us-east-1
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Success
Congratulations! The pipeline NagAppPipeline has been created.
Create a notification rule for this pipeline
Developer Tools > CodePipeline > Pipelines > NagAppPipeline
NagAppPipeline
Notify
Edit
Stop execution
Clone pipeline
Release change
Pipeline type: V2
Execution mode: QUEUED
Source
Failed
Retry stage
Retry failed actions
Pipeline execution ID: 53e13e12-7a87-4d60-a744-5ac2eec91da3
Source
AWS CodeCommit
Failed - Just now
View details
Disable transition
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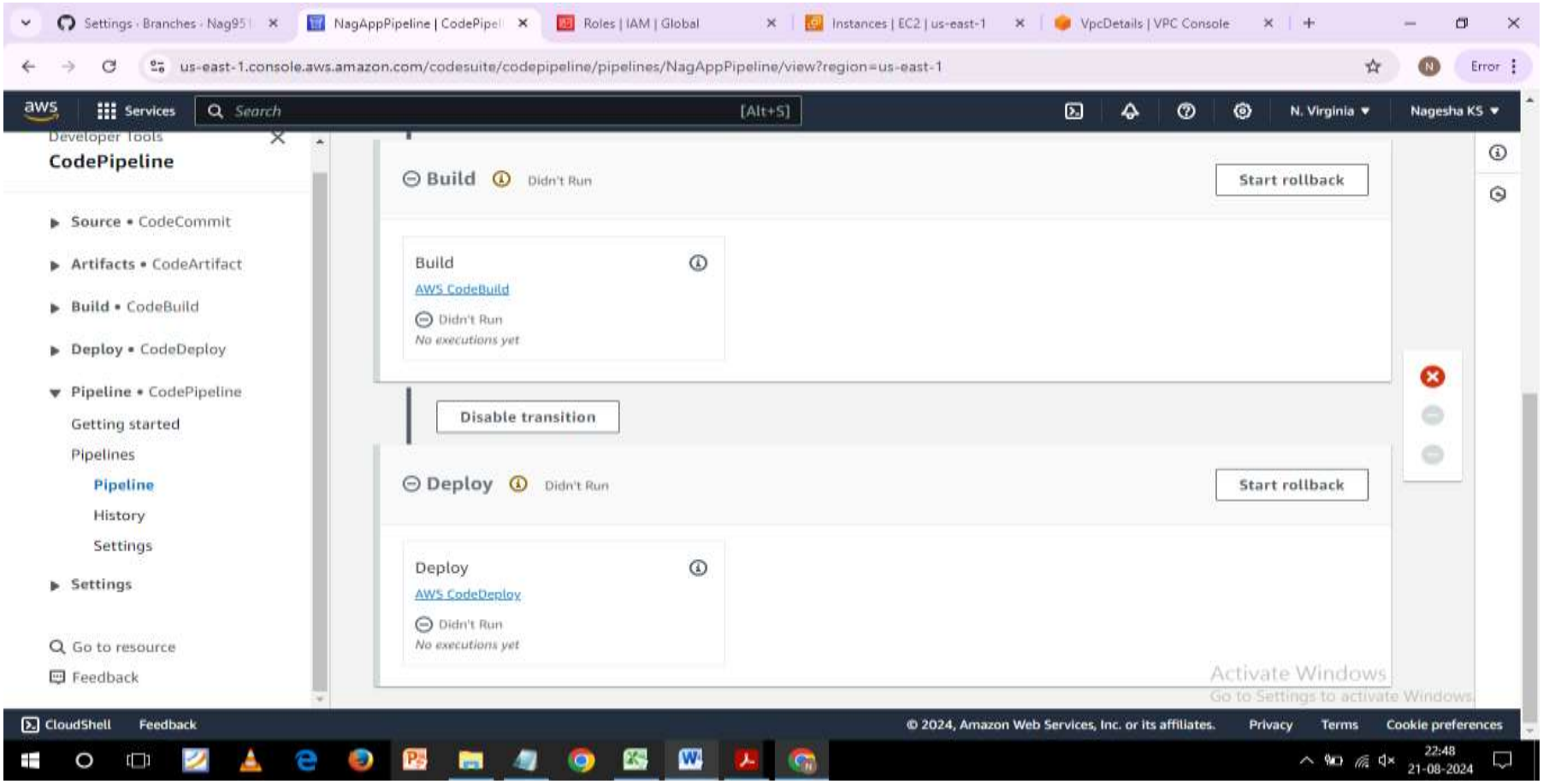
Settings · Branches · Nag95
NagAppPipeline | CodePipel
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us-east-1.console.aws.amazon.com/codesuite/codepipeline/pipelines/NagAppPipeline/view?region=us-east-1
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Build
AWS CodeBuild
Didn't Run
No executions yet
Disable transition
Deploy
Didn't Run
Start rollback
Deploy
AWS CodeDeploy
Didn't Run
No executions yet
Activate Windows
Go to Settings to activate Windows.
CloudShell
Feedback
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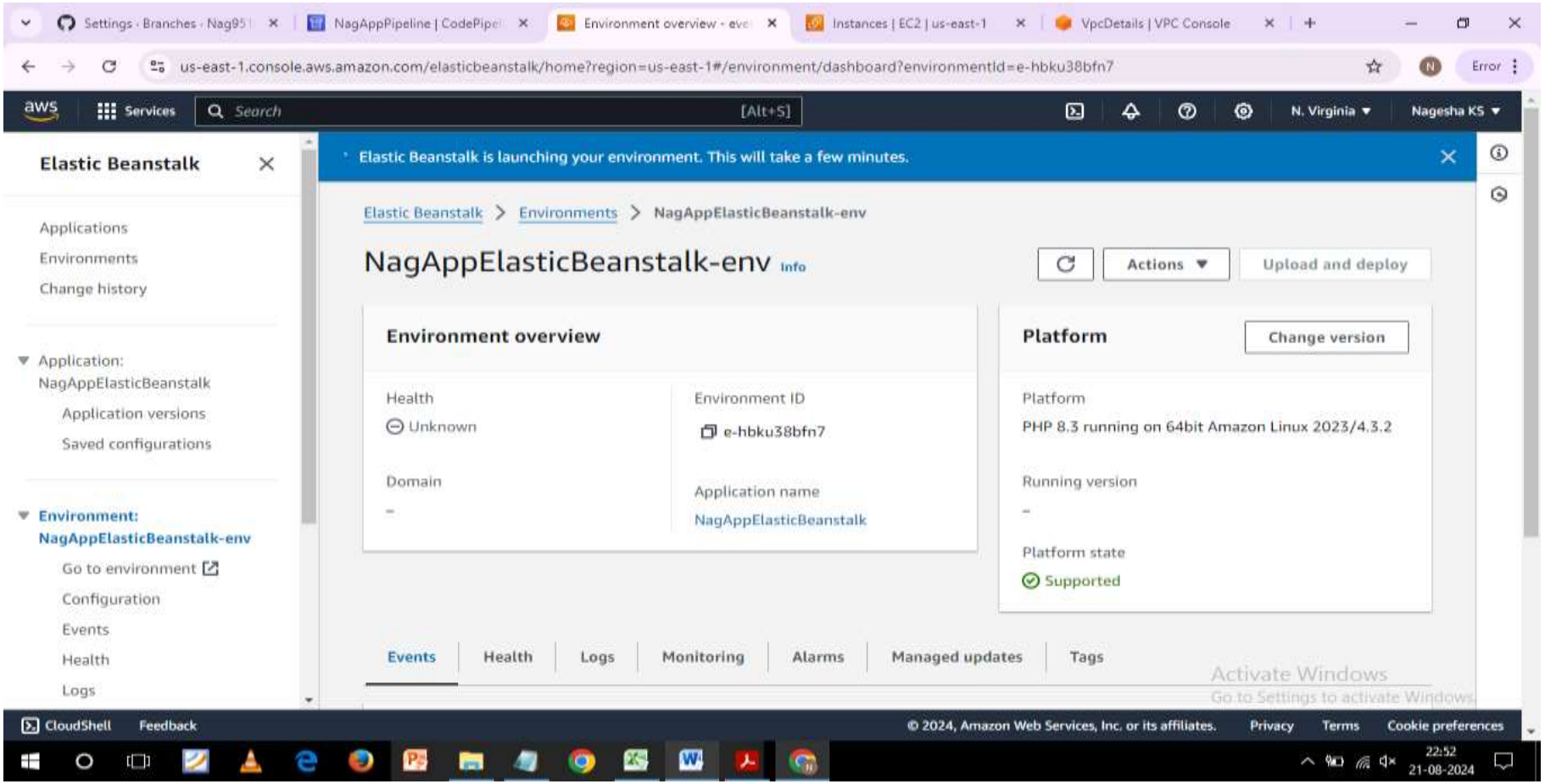
Settings · Branches · Nag95
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Environment overview - eve
Instances | EC2 | us-east-1
VpcDetails | VPC Console
us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/environment/dashboard?environmentId=e-hbku38bfn7
Error
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Elastic Beanstalk
Applications
Environments
Change history
Application: NagAppElasticBeanstalk
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Environment: NagAppElasticBeanstalk-env
Go to environment
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Elastic Beanstalk is launching your environment. This will take a few minutes.
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-
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NagAppElasticBeanstalk
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Go to Settings to activate Windows.
CloudShell
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