# Task 3: Lambda function to create EC2 instance

- Create S3 Bucket and integrate lambda function to it,

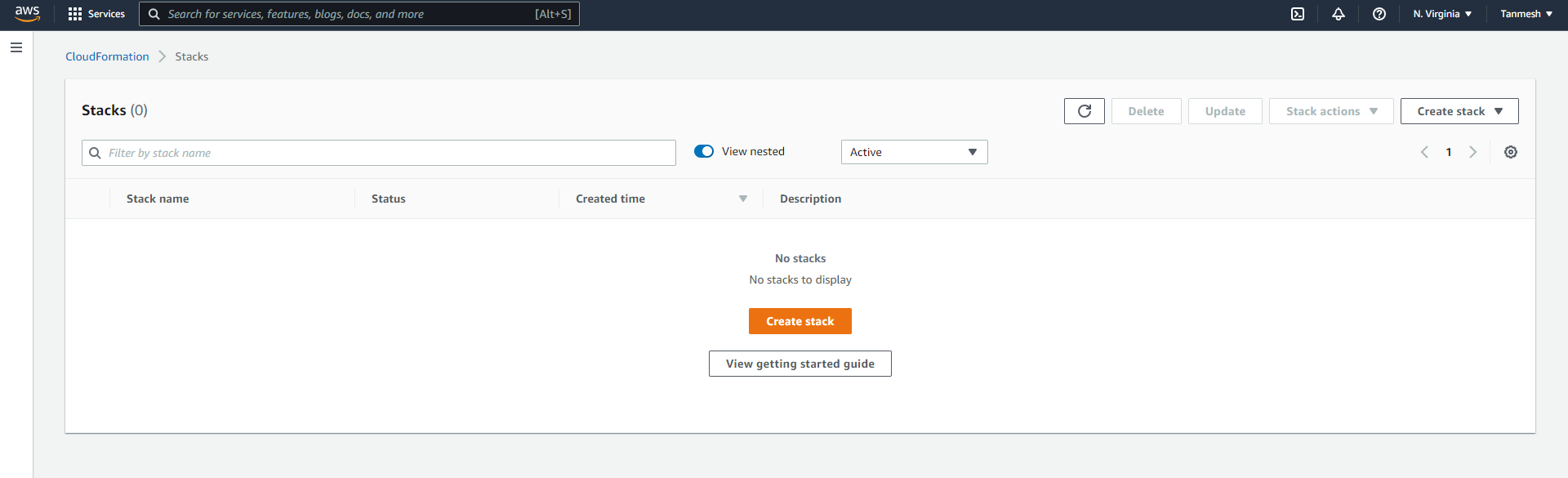
- whenever file is uploaded to S3 Bucket Lambda function will create an EC2 instance.

- Send S3 Bucket name to Outputs

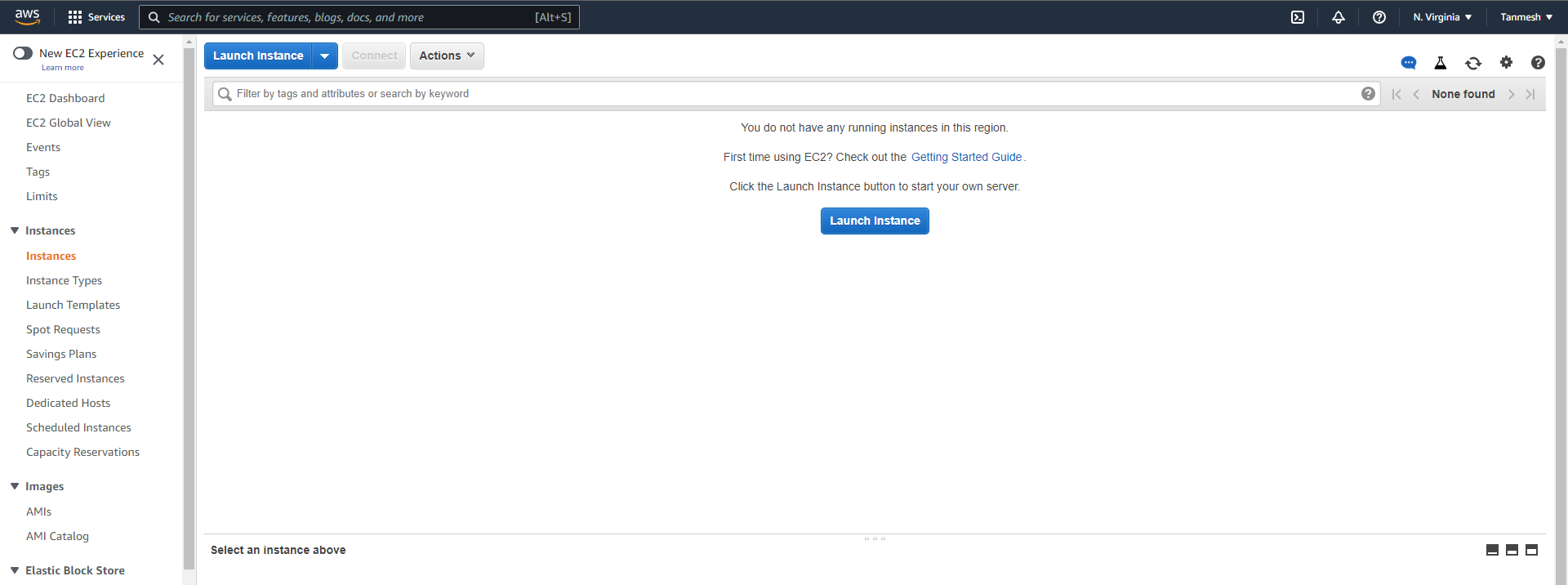
- While Deleting CF Stack, it should delete EC2 Instance + S3 Bucket (also delete objects from bucket) and all resources should be deleted.

## Pre-Checks

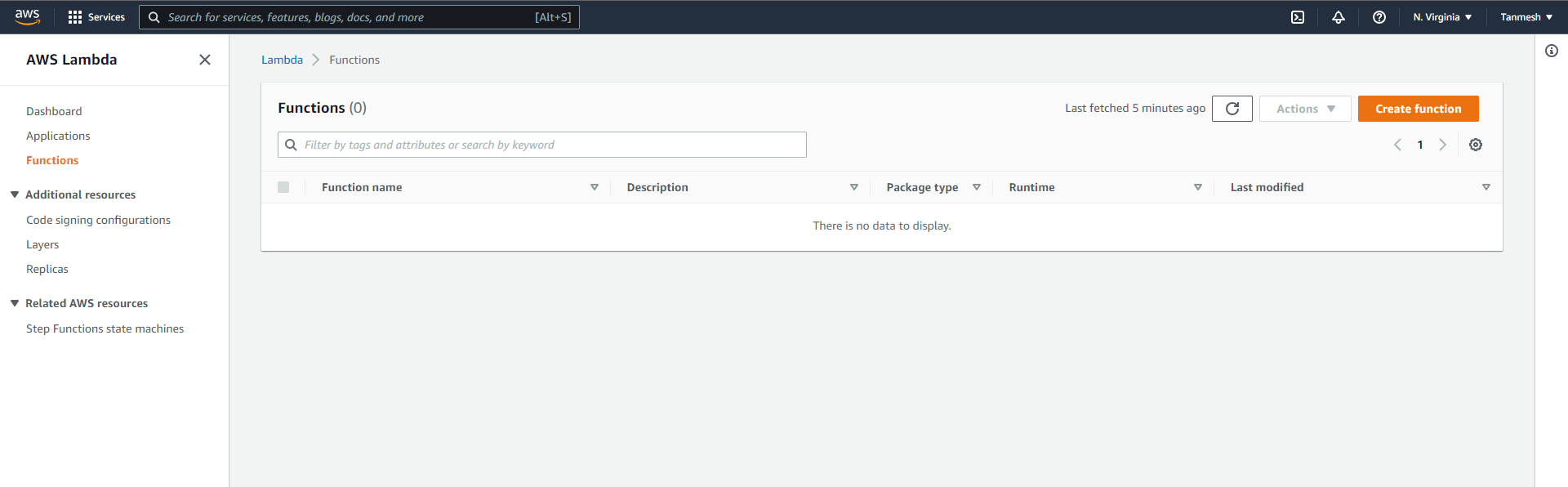
### CF Stack



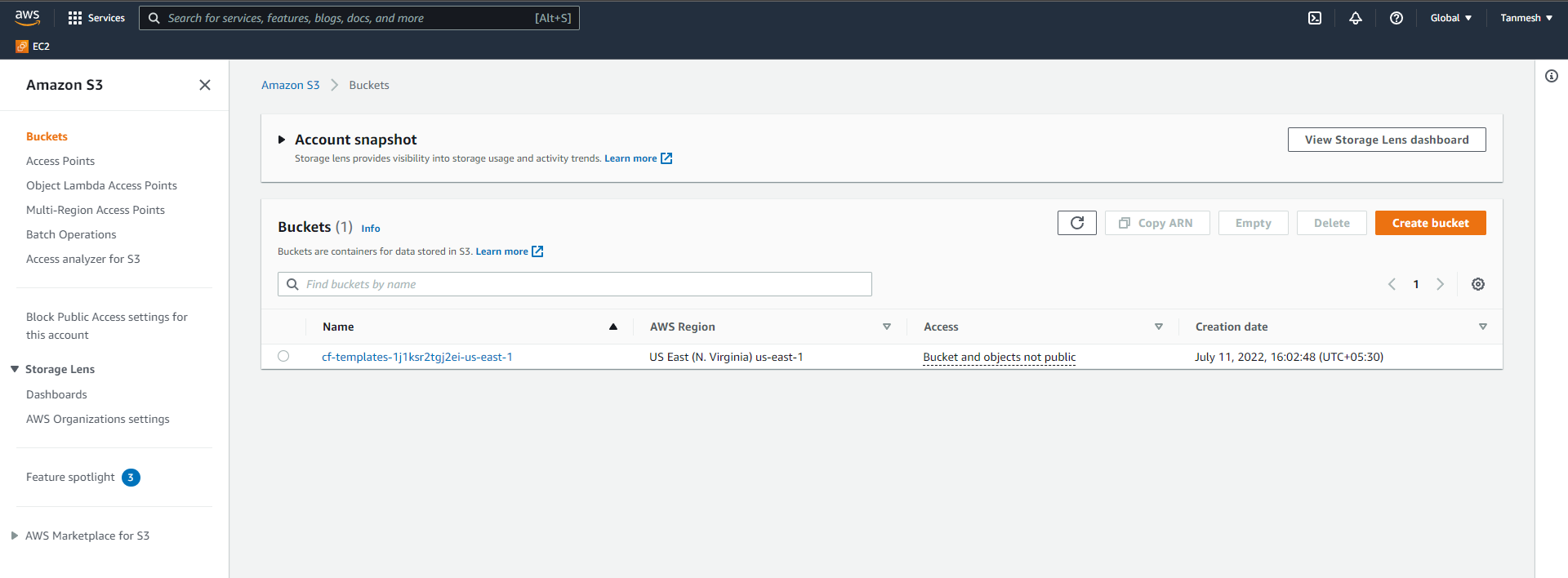
### EC2 Instance



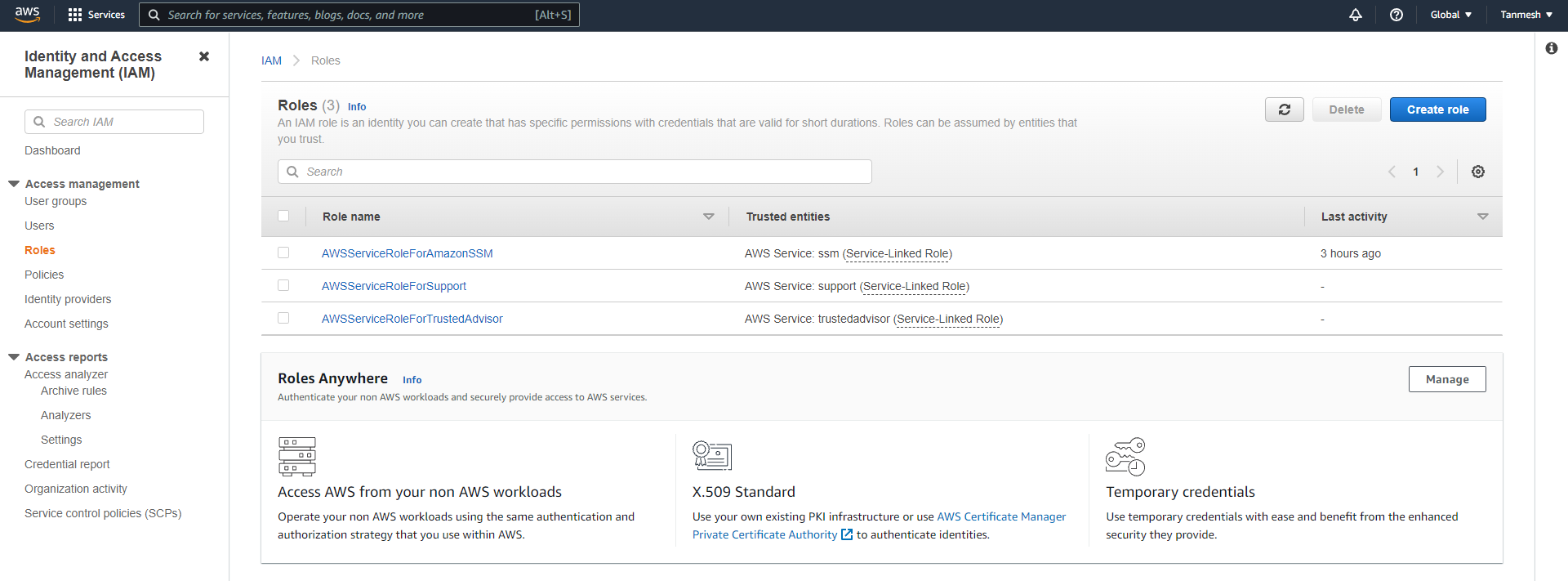
### Lambda Function



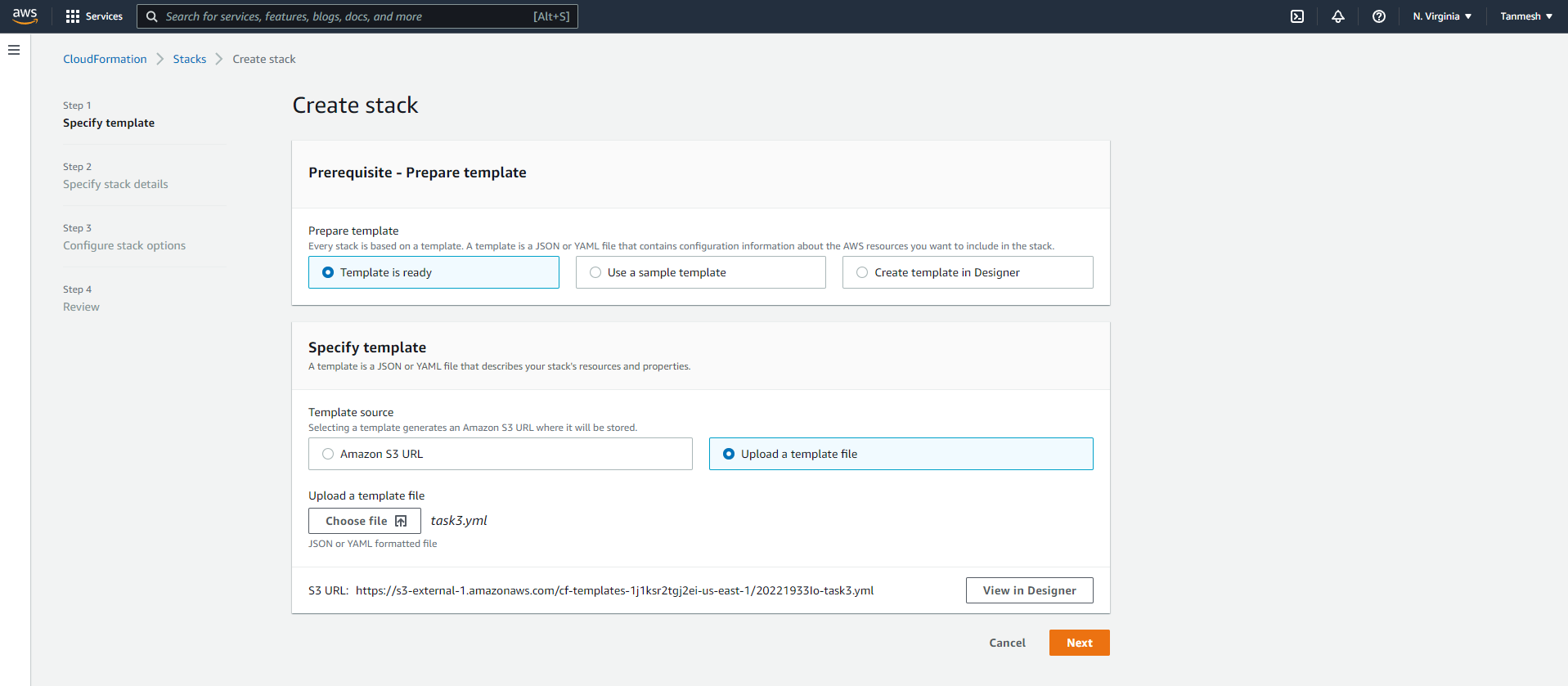
### S3 Bucket

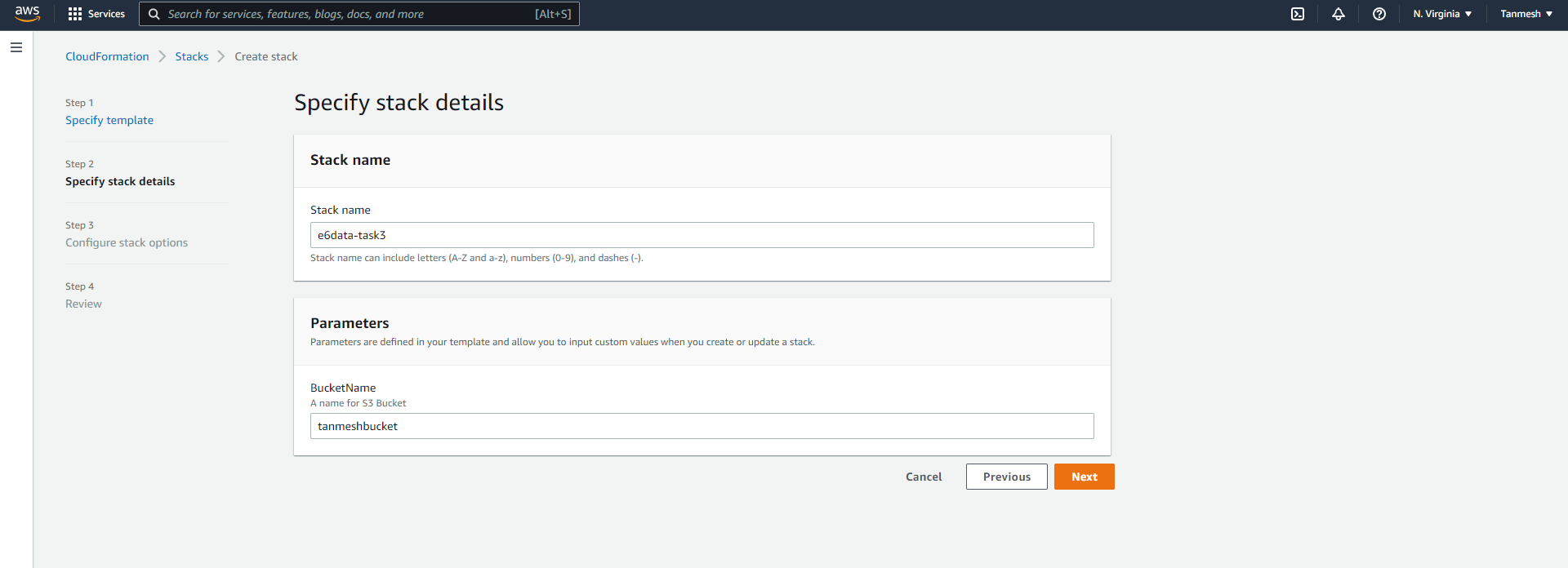


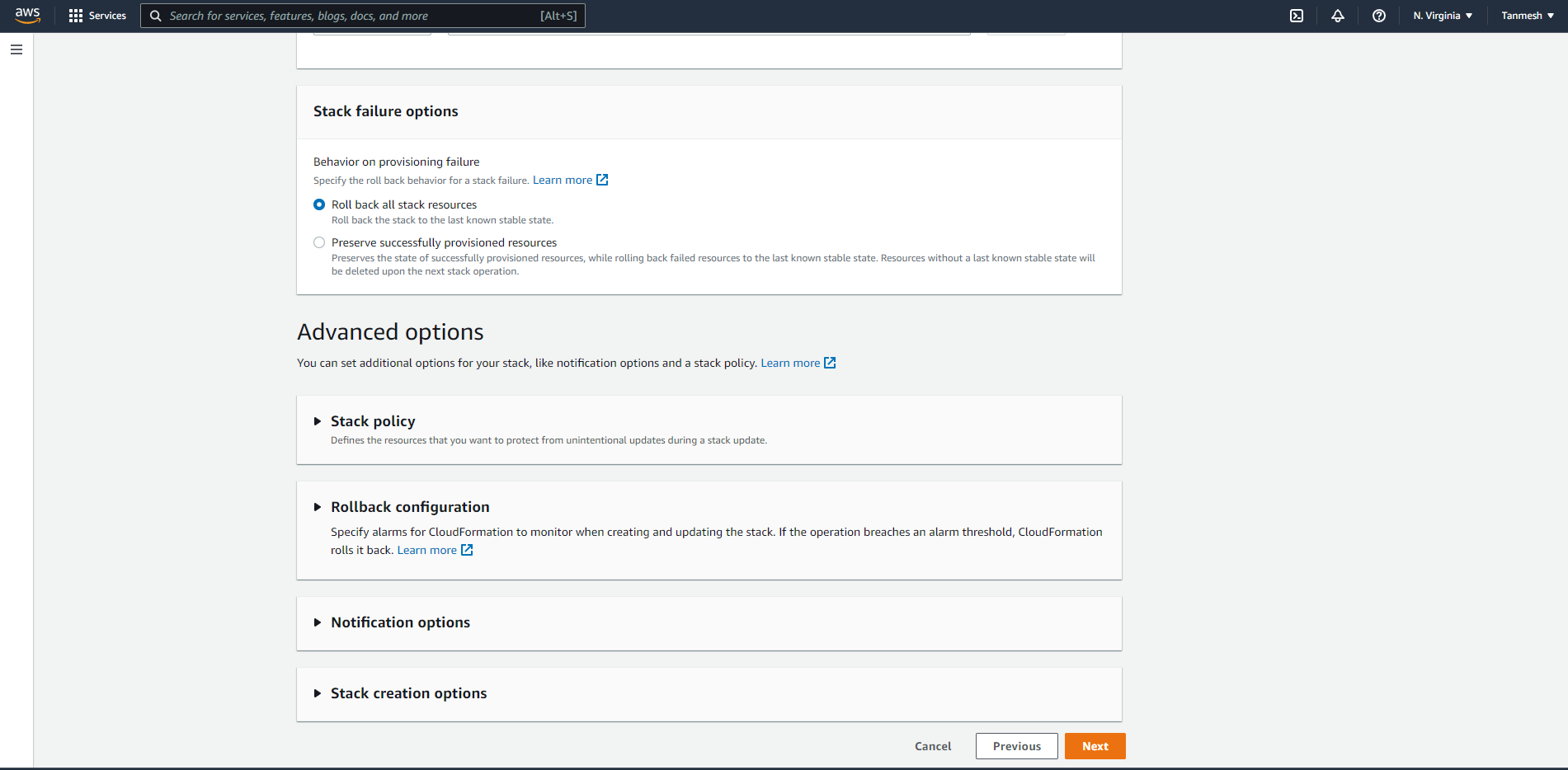
### IAM Roles

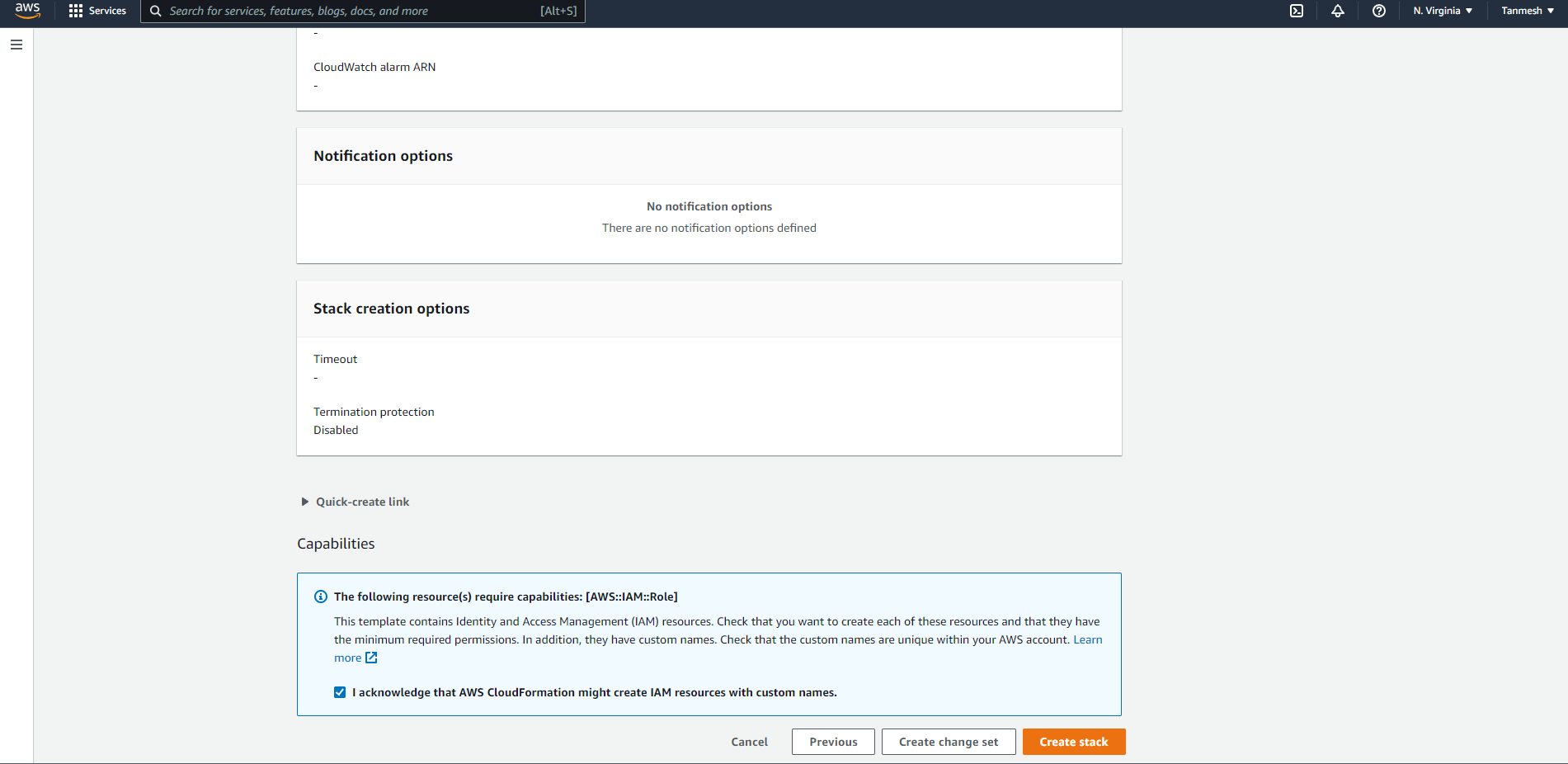


## Create CloudFormation Stack

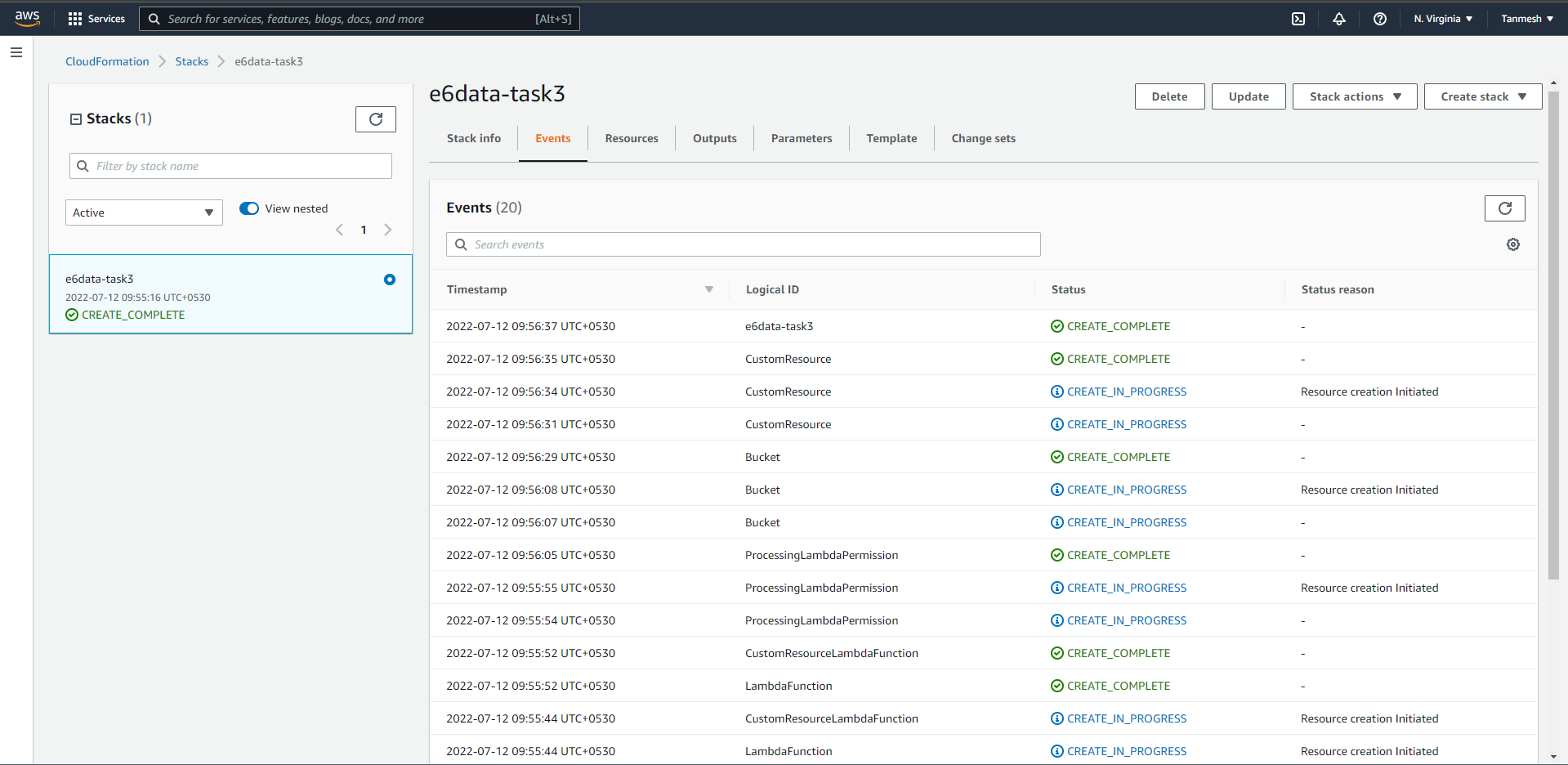




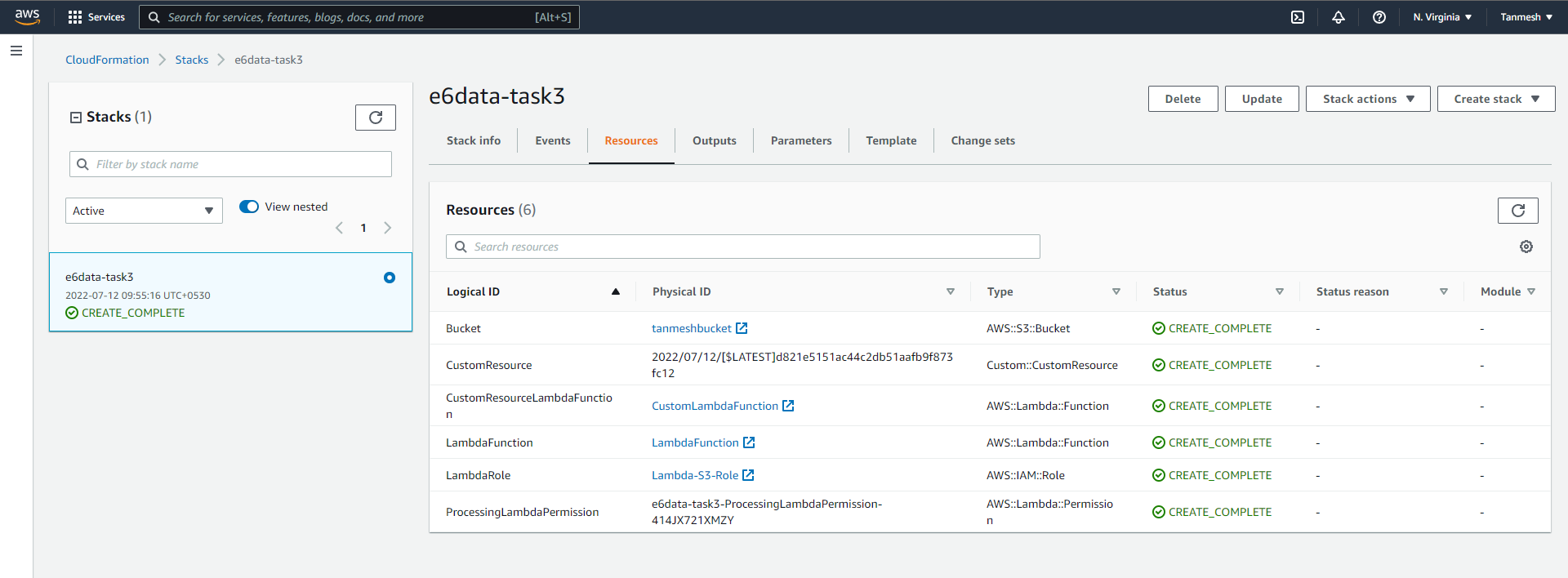




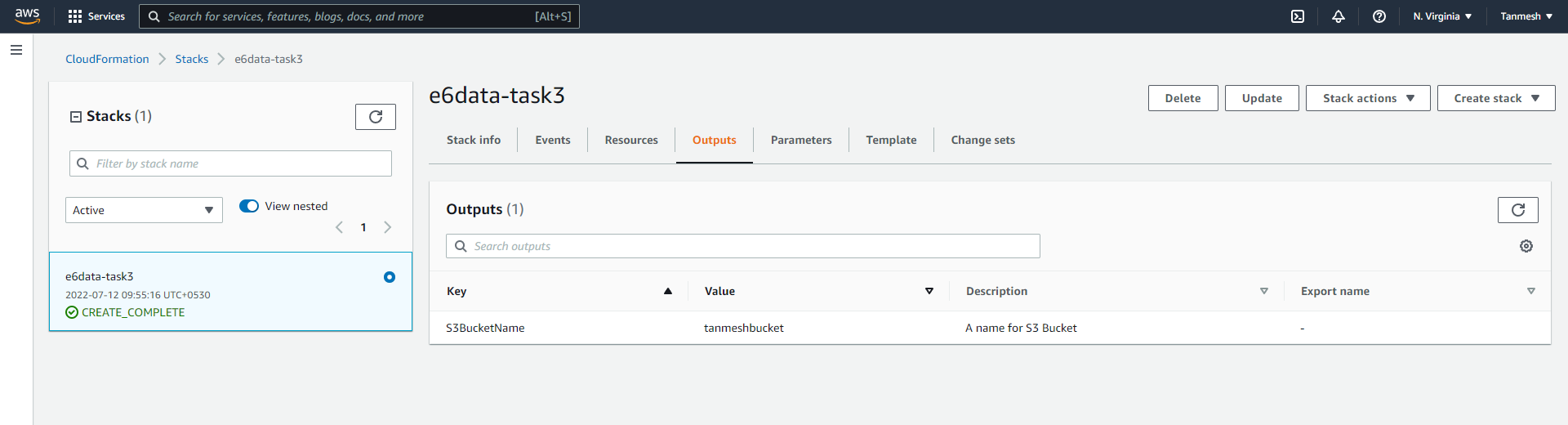
### Events



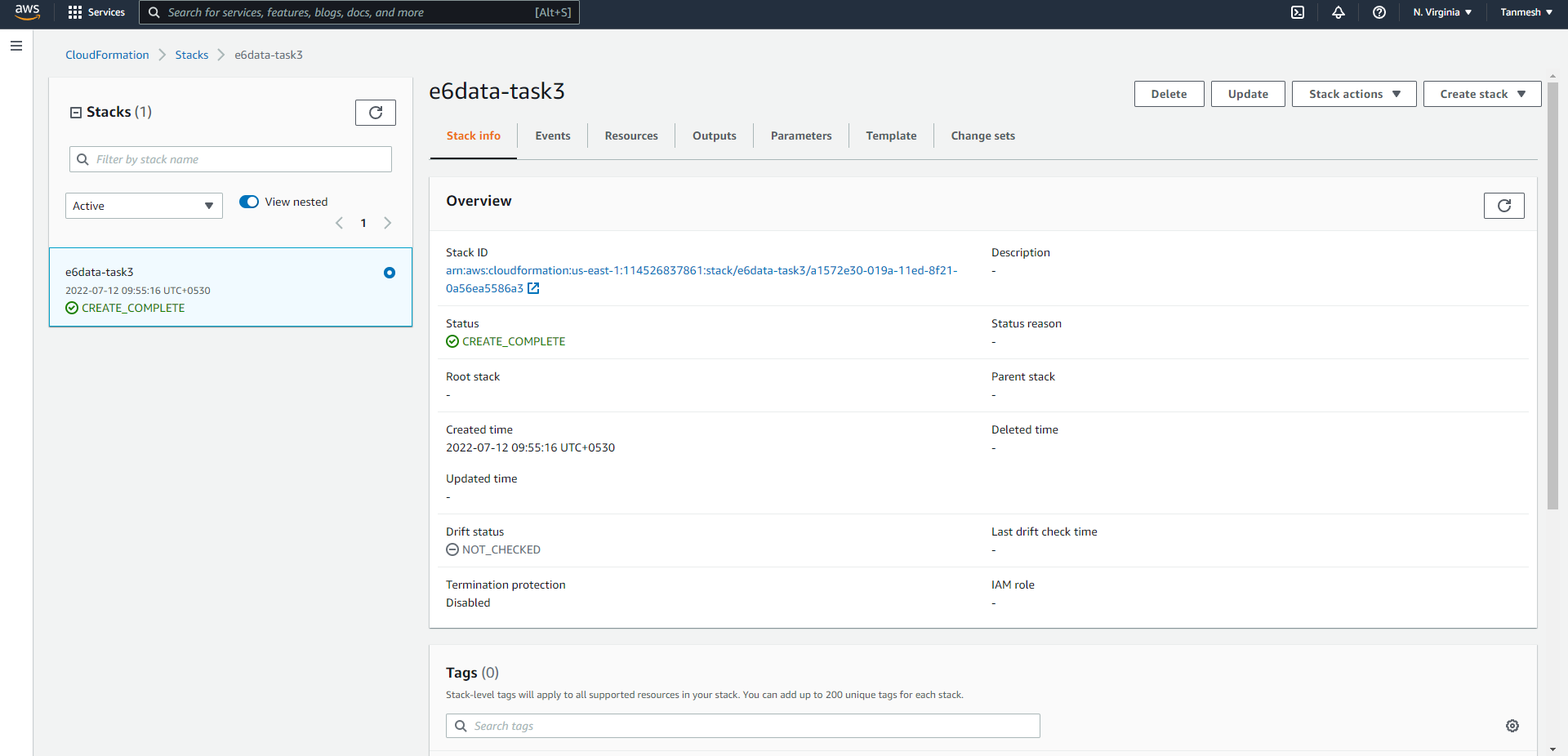
### Created Resources



### Outputs

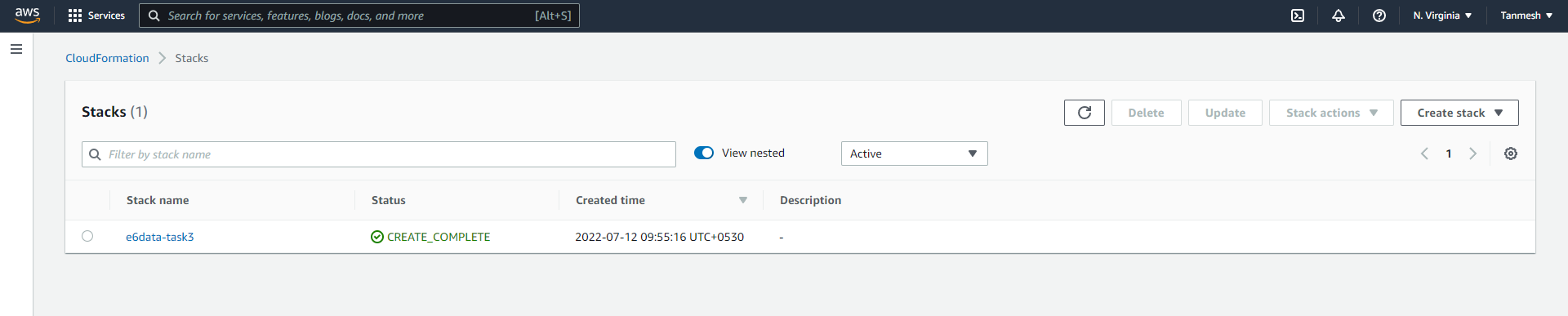


### Overview

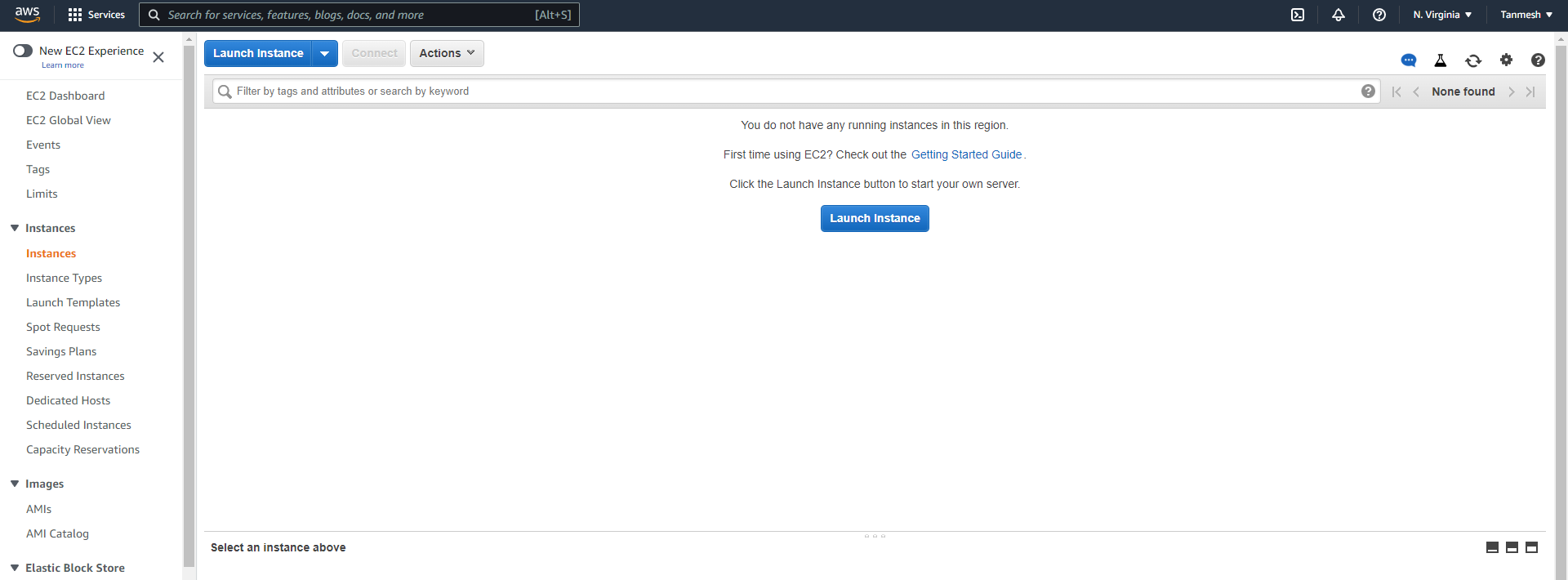


## Post Checks

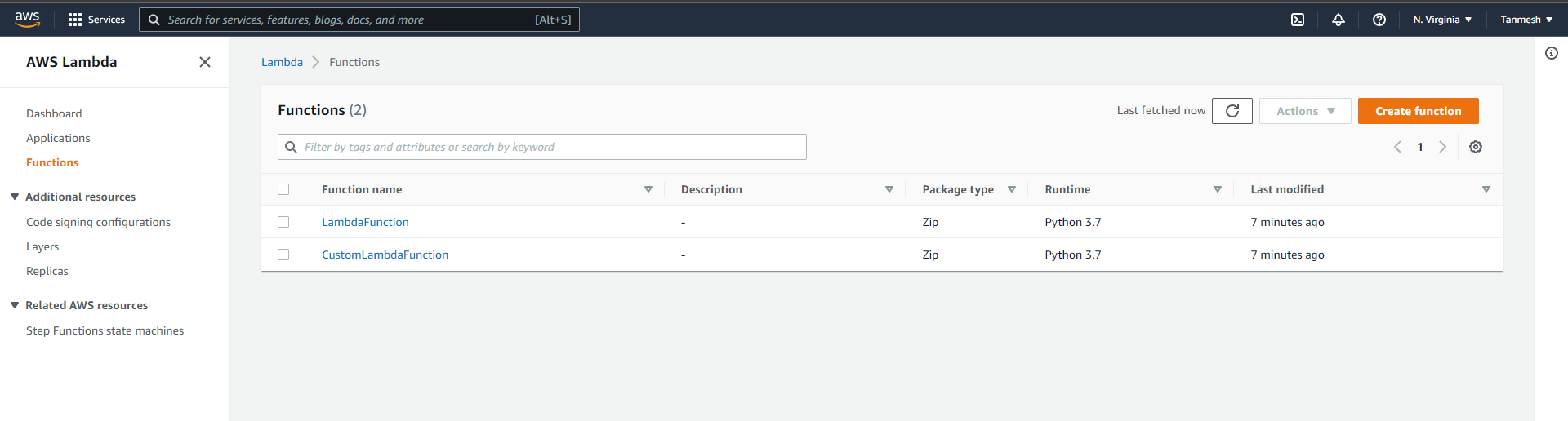
### CF Stack



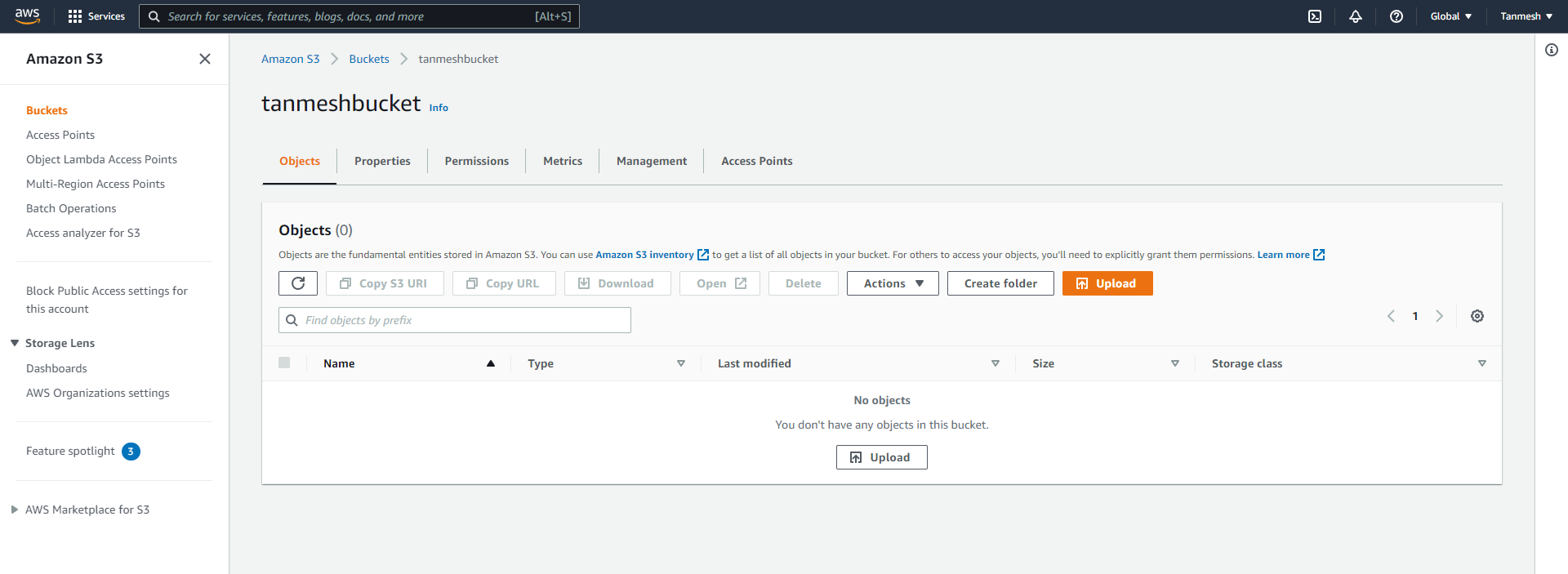
### EC2 Instance



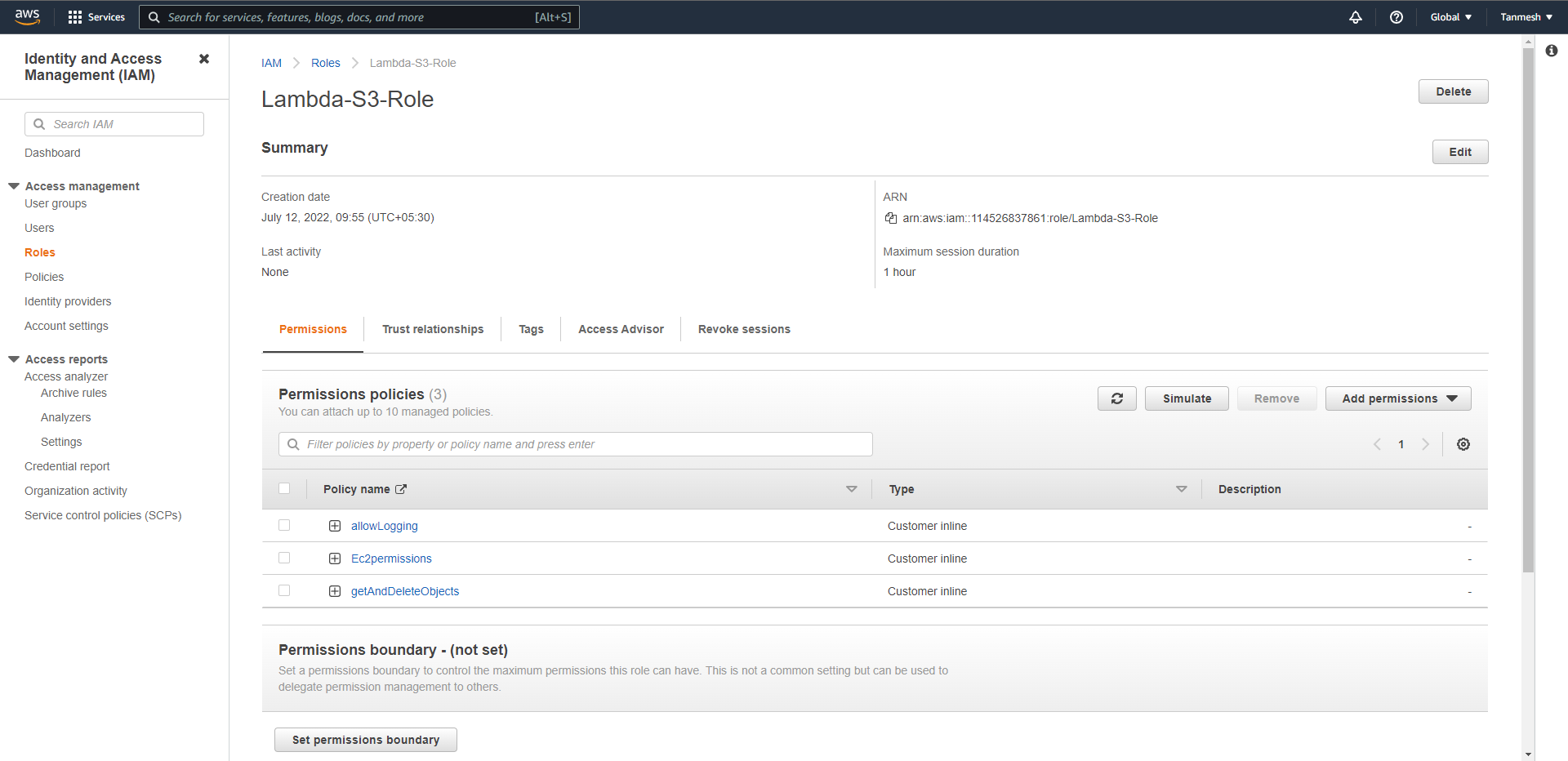
### Lambda Function



### S3 Bucket

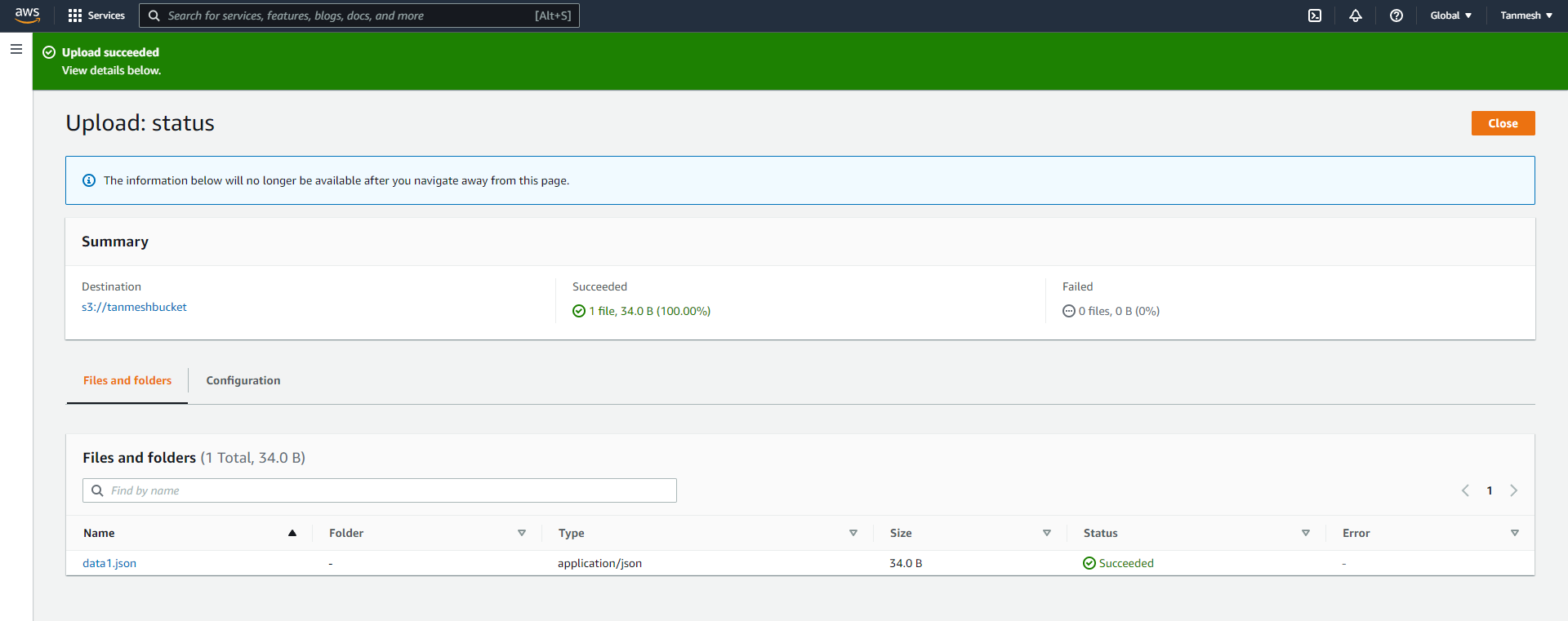


### IAM Roles

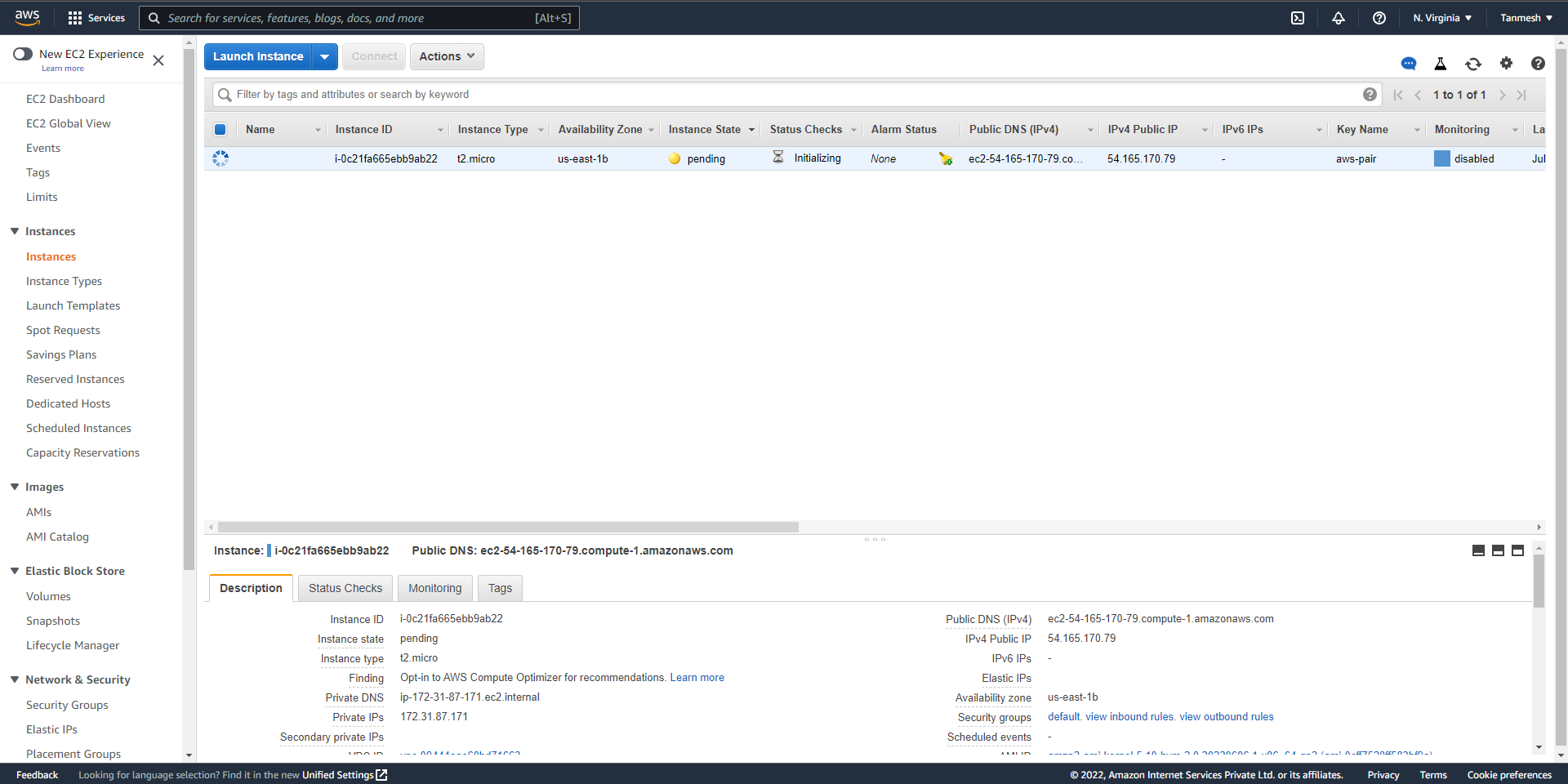


## Upload File to S3 Bucket and Validate EC2 Instance is created

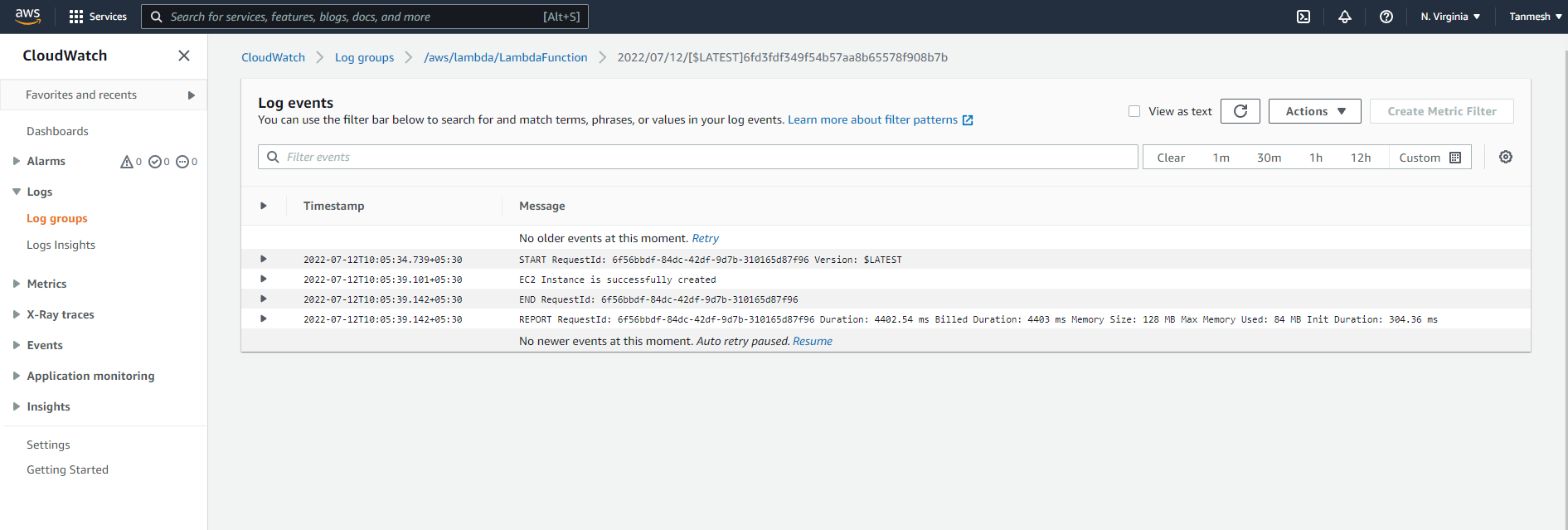
### Upload file to S3



### EC2 Instance created

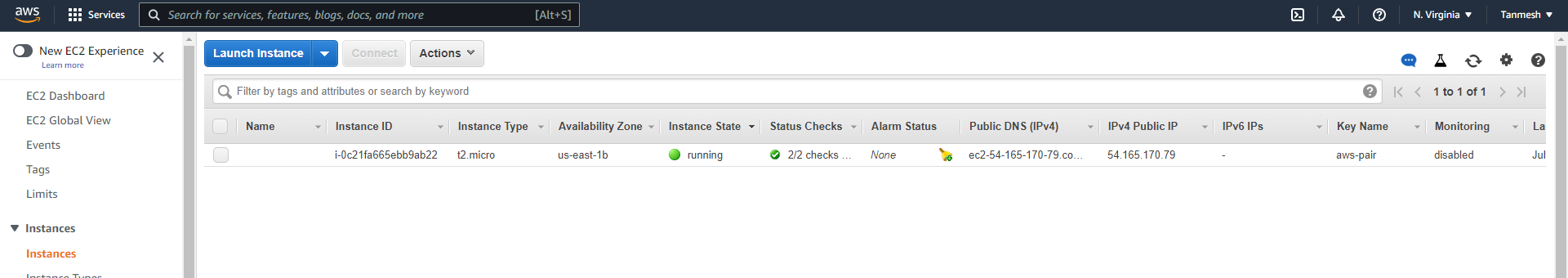


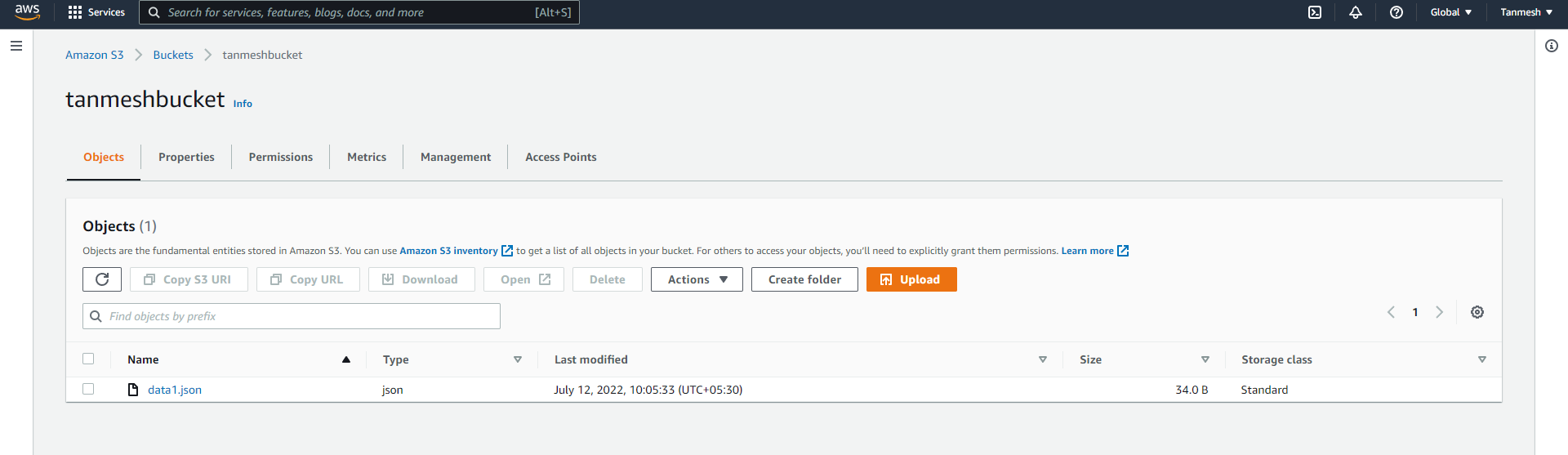
### Logs



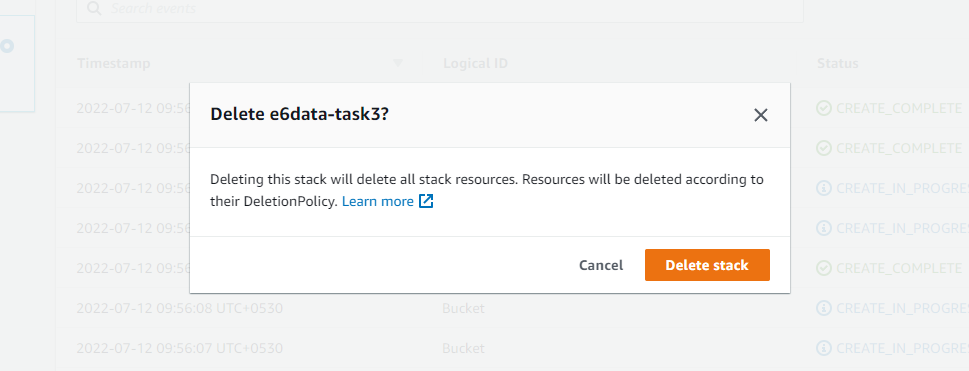
## Delete CF Stack (should delete S3Bucket Object and EC2 Instance)

### Before Delete

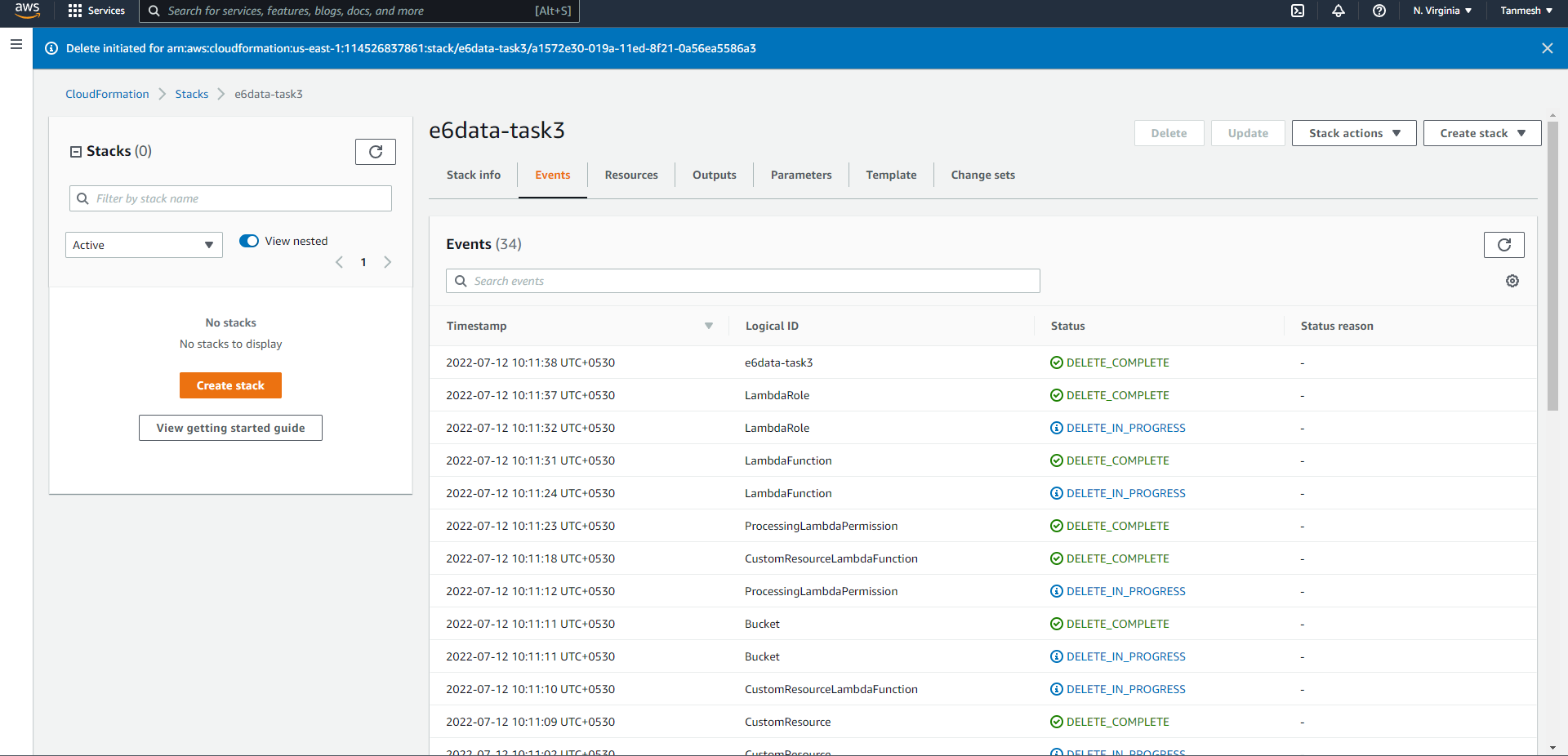


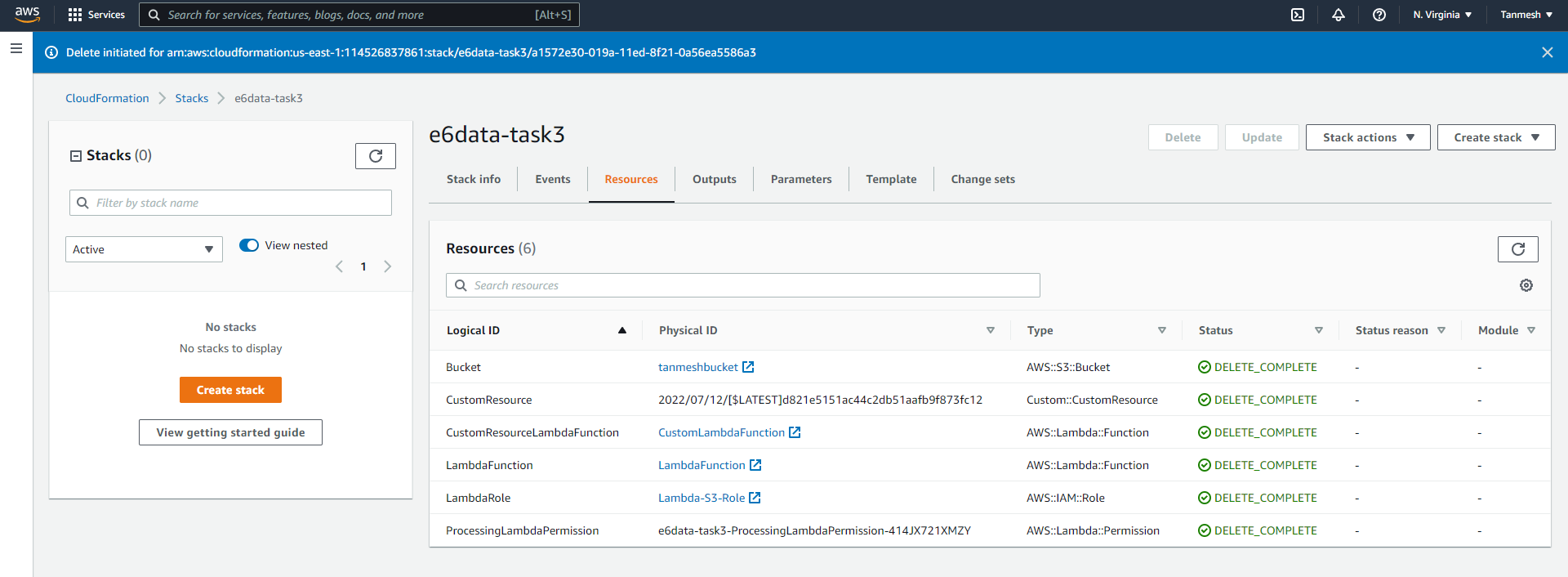


### Delete Stack

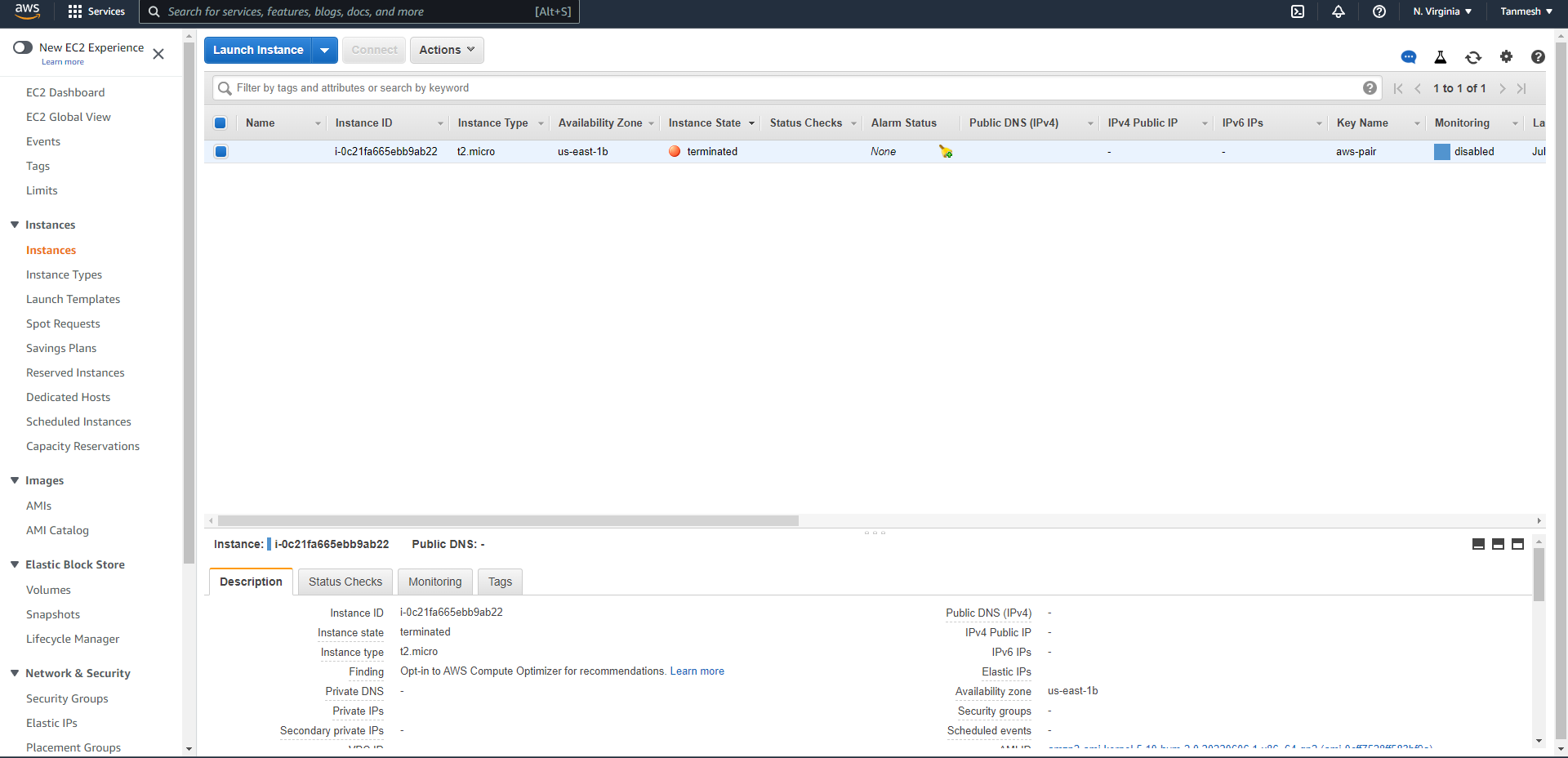


### After Delete

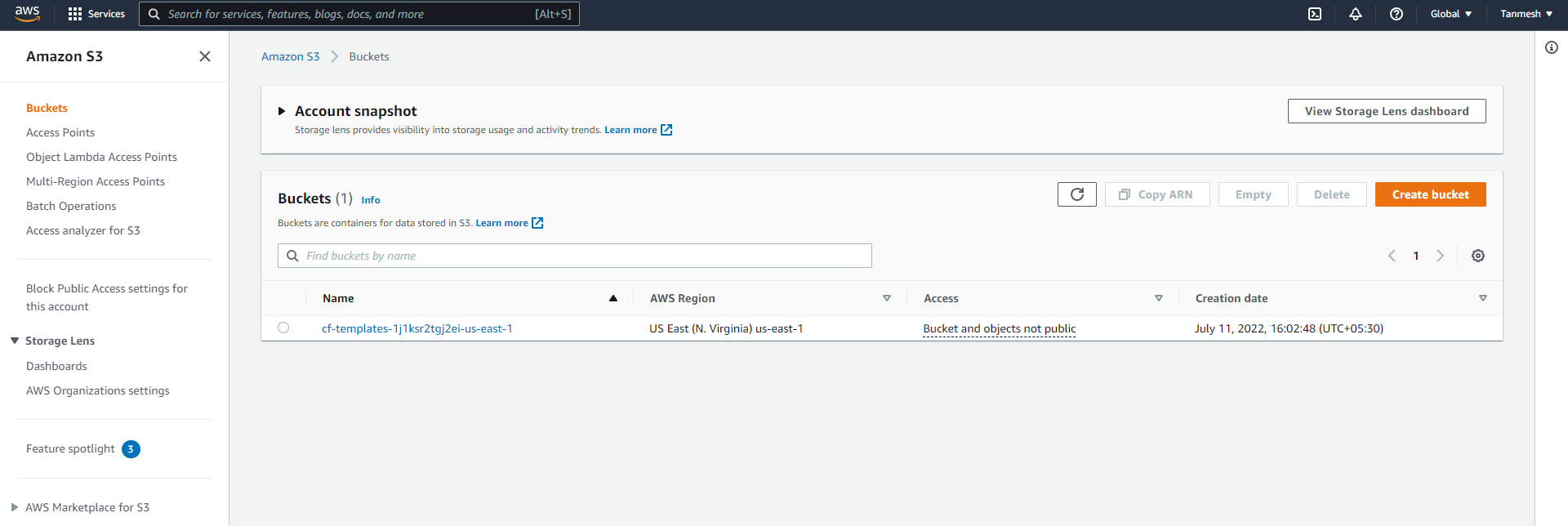




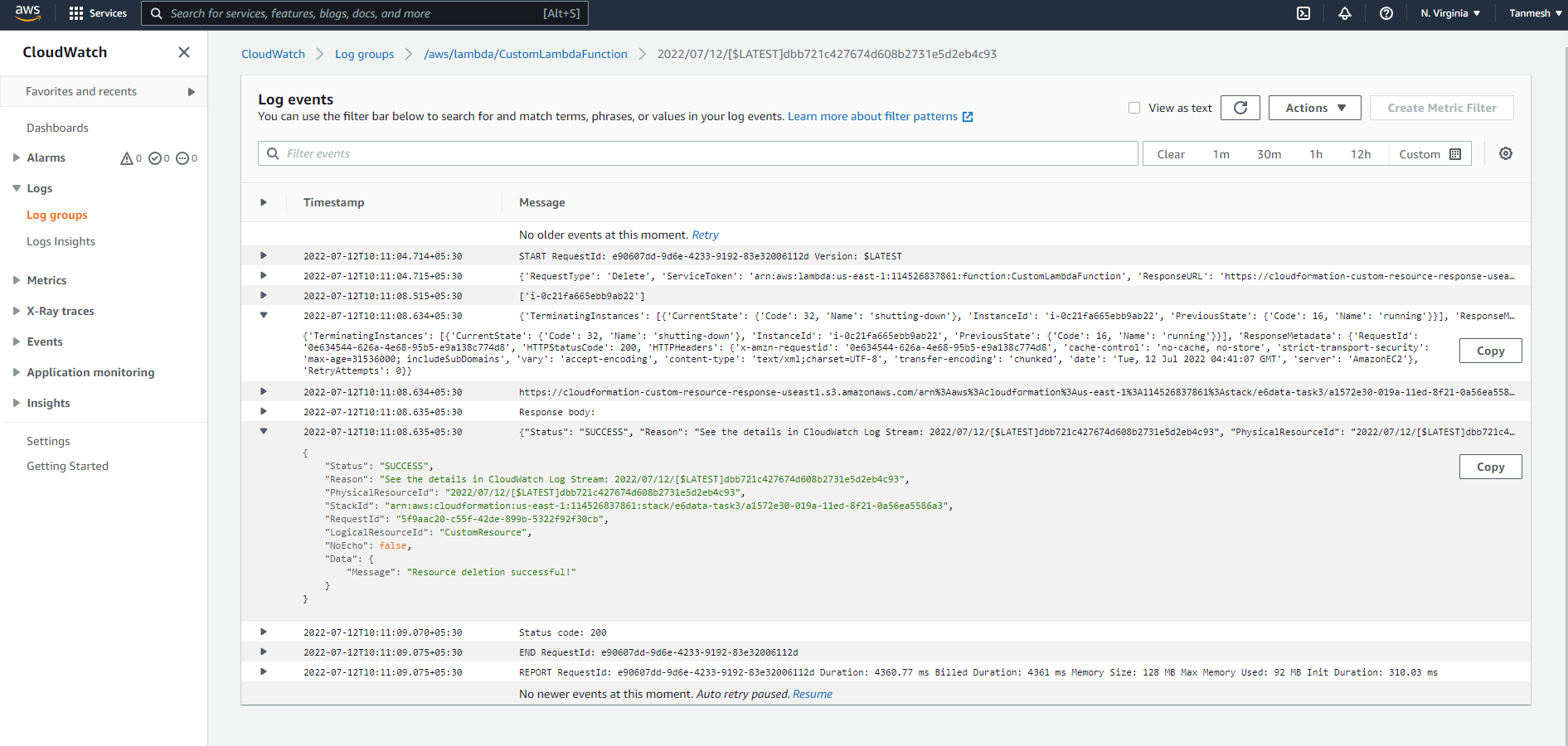
### EC2 Instance is terminated



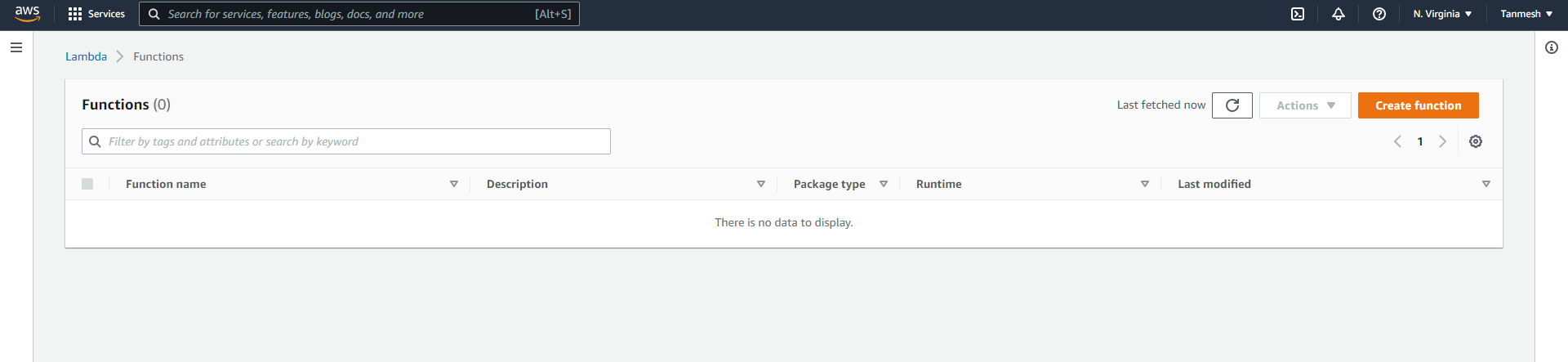
### S3 Bucket is deleted along with underlying objects



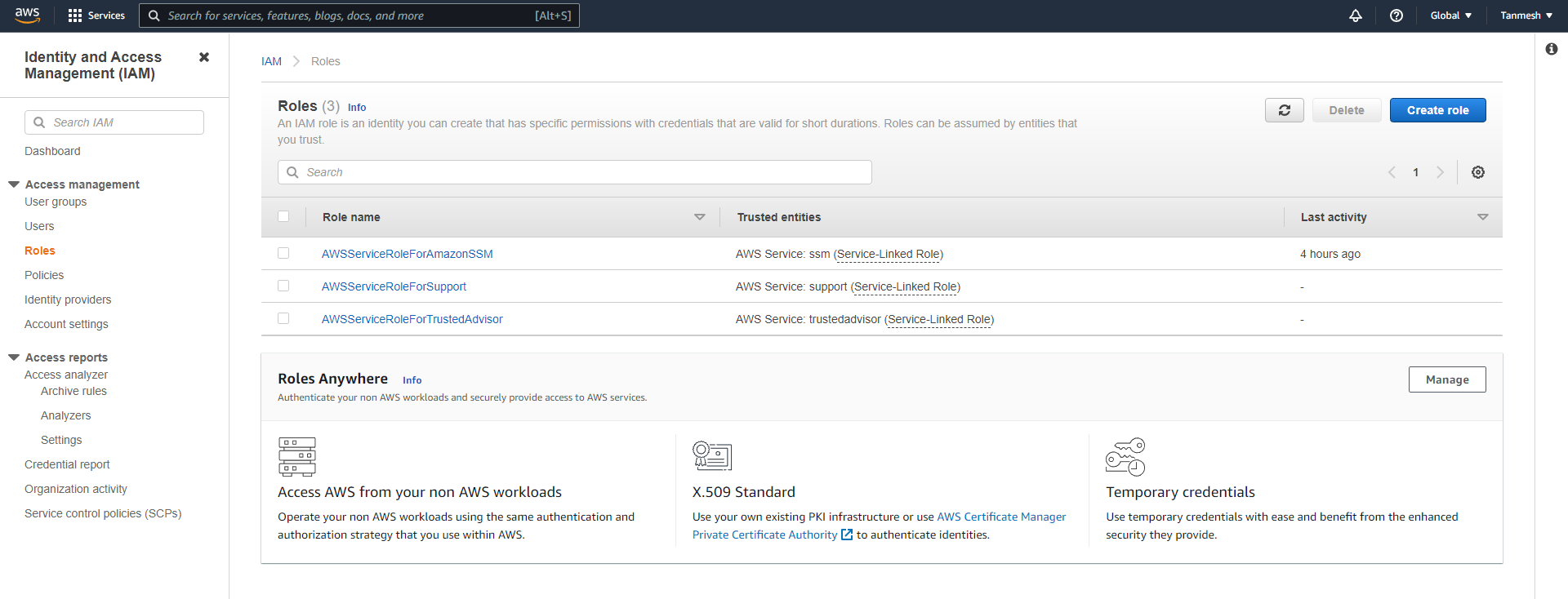
### Logs



### Lambda Functions Deleted



### IAM Roles



### CF Stack

