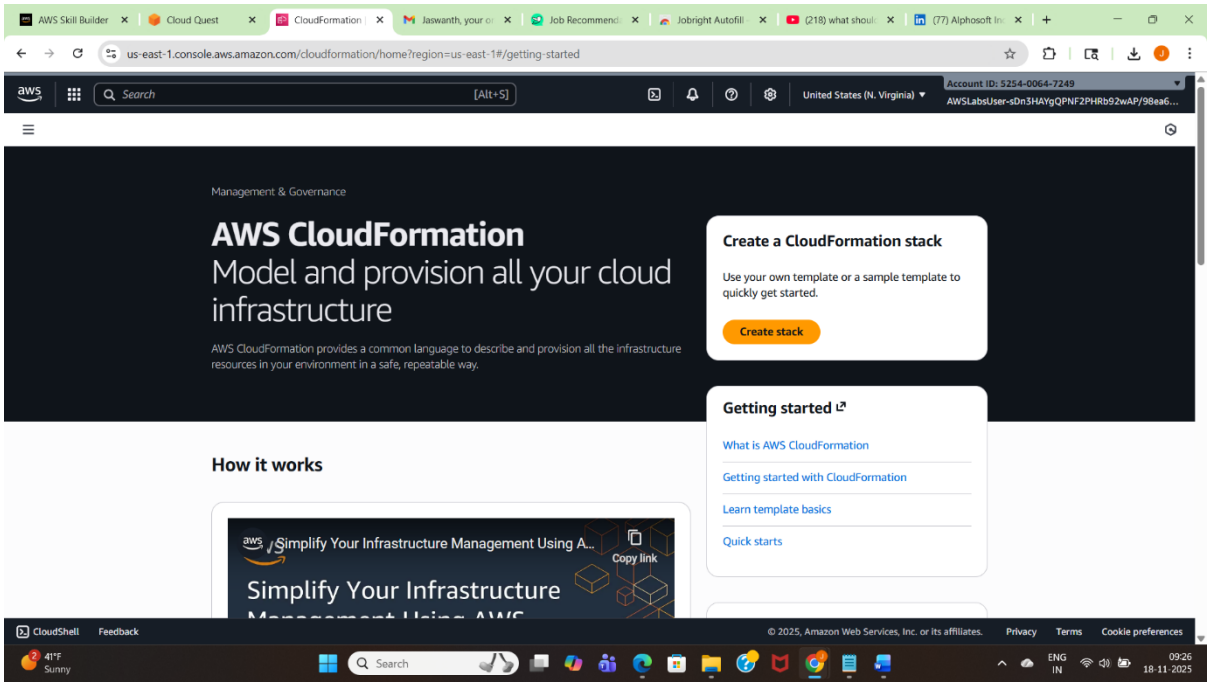
us-east-1.console.aws.amazon.com/cloudformation/home?region=us-east-1#/getting-started
Search
[Alt+S]
United States (N. Virginia)
Account ID: 5254-0064-7249
AWSLabsUser-sDn3HAYgQPNF2PHRb92wAP/98ea6...
Management & Governance
AWS CloudFormation
Model and provision all your cloud infrastructure
AWS CloudFormation provides a common language to describe and provision all the infrastructure resources in your environment in a safe, repeatable way.
Create a CloudFormation stack
Use your own template or a sample template to quickly get started.
Create stack
Getting started
What is AWS CloudFormation
Getting started with CloudFormation
Learn template basics
Quick starts
How it works
Simplify Your Infrastructure Management Using A...
Copy link
Simplify Your Infrastructure
CloudShell
Feedback
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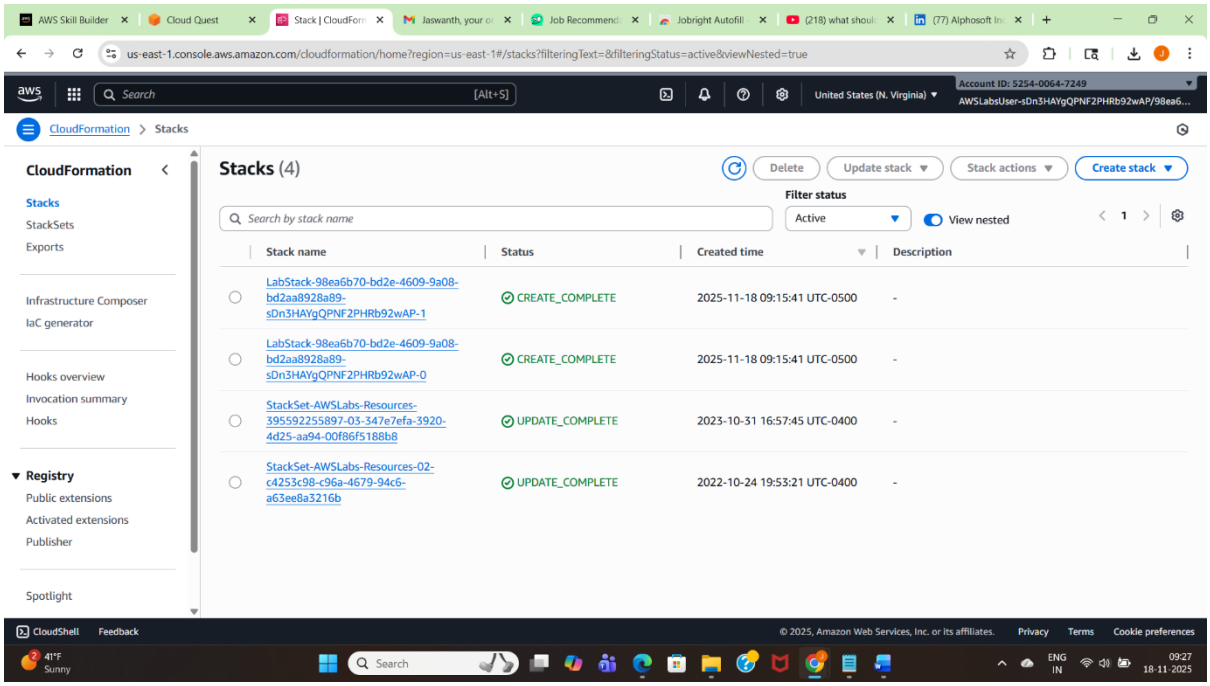
41°F
Sunny
Search
ENG
IN
09:26
18-11-2025


us-east-1.console.aws.amazon.com/cloudformation/home?region=us-east-1#/stacks?filteringText=&filteringStatus=active&viewNested=true
Search
[Alt+S]
United States (N. Virginia)
Account ID: 5254-0064-7249
AWSLabsUser-sDn3HAYgQPNF2PHRb92wAP/98ea6...
CloudFormation > Stacks
CloudFormation
Stacks
StackSets
Exports
Infrastructure Composer
IaC generator
Hooks overview
Invocation summary
Hooks
Registry
Public extensions
Activated extensions
Publisher
Spotlight
Stacks (4)
Delete
Update stack
Stack actions
Create stack
Filter status
Search by stack name
Active
View nested
Stack name
Status
Created time
Description
LabStack-98ea6b70-bd2e-4609-9a08-bd2aa8928a89-sDn3HAYgQPNF2PHRb92wAP-1
CREATE_COMPLETE
2025-11-18 09:15:41 UTC-0500
LabStack-98ea6b70-bd2e-4609-9a08-bd2aa8928a89-sDn3HAYgQPNF2PHRb92wAP-0
CREATE_COMPLETE
2025-11-18 09:15:41 UTC-0500
StackSet-AWSLabs-Resources-395592255897-03-347e7efa-3920-4d25-aa94-00f86f5188b8
UPDATE_COMPLETE
2023-10-31 16:57:45 UTC-0400
StackSet-AWSLabs-Resources-02-c4253c98-c96a-4679-94c6-a63ee8a3216b
UPDATE_COMPLETE
2022-10-24 19:53:21 UTC-0400
CloudShell
Feedback
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41°F
Sunny
Search
ENG
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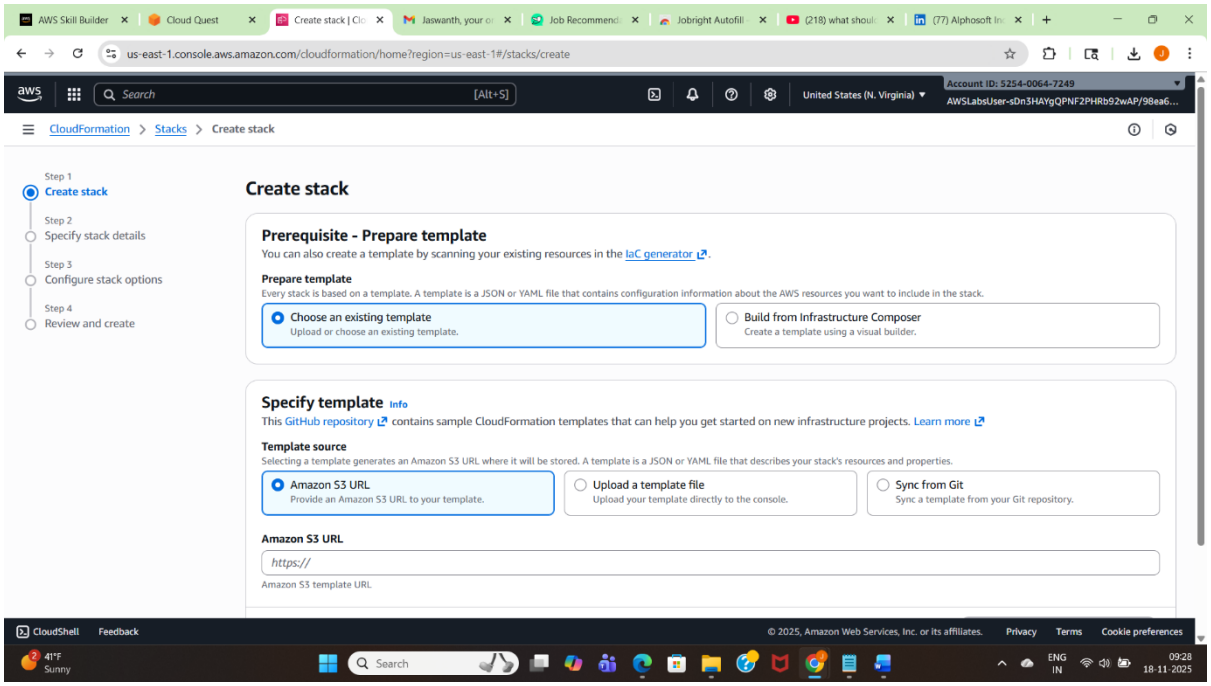
09:27
18-11-2025


us-east-1.console.aws.amazon.com/cloudformation/home?region=us-east-1#/stacks/create
CloudFormation > Stacks > Create stack
Step 1
Create stack
Step 2
Specify stack details
Step 3
Configure stack options
Step 4
Review and create
Create stack
Prerequisite - Prepare template
You can also create a template by scanning your existing resources in the IaC generator.
Prepare template
Every stack is based on a template. A template is a JSON or YAML file that contains configuration information about the AWS resources you want to include in the stack.
Choose an existing template
Upload or choose an existing template.
Build from Infrastructure Composer
Create a template using a visual builder.
Specify template Info
This GitHub repository contains sample CloudFormation templates that can help you get started on new infrastructure projects. Learn more
Template source
Selecting a template generates an Amazon S3 URL where it will be stored. A template is a JSON or YAML file that describes your stack's resources and properties.
Amazon S3 URL
Provide an Amazon S3 URL to your template.
Upload a template file
Upload your template directly to the console.
Sync from Git
Sync a template from your Git repository.
Amazon S3 URL
https://
Amazon S3 template URL
CloudShell
Feedback
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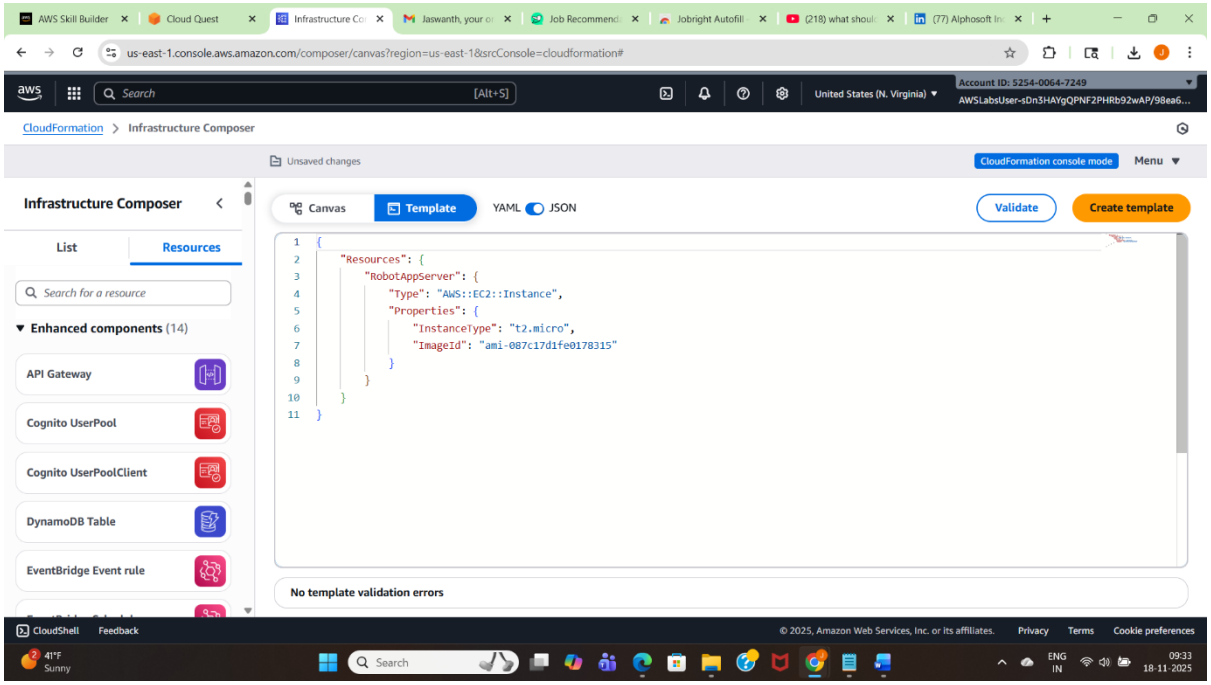
us-east-1.console.aws.amazon.com/composer/canvas?region=us-east-1&srcConsole=cloudformation#
CloudFormation > Infrastructure Composer
Unsaved changes
CloudFormation console mode
Menu
Infrastructure Composer
List
Resources
Search for a resource
Enhanced components (14)
API Gateway
Cognito UserPool
Cognito UserPoolClient
DynamoDB Table
EventBridge Event rule
Canvas
Template
YAML
JSON
Validate
Create template
{
"Resources": {
"RobotAppServer": {
"Type": "AWS::EC2::Instance",
"Properties": {
"InstanceType": "t2.micro",
"ImageId": "ami-087c17d1fe0178315"
}
}
}
}
No template validation errors
CloudShell
Feedback
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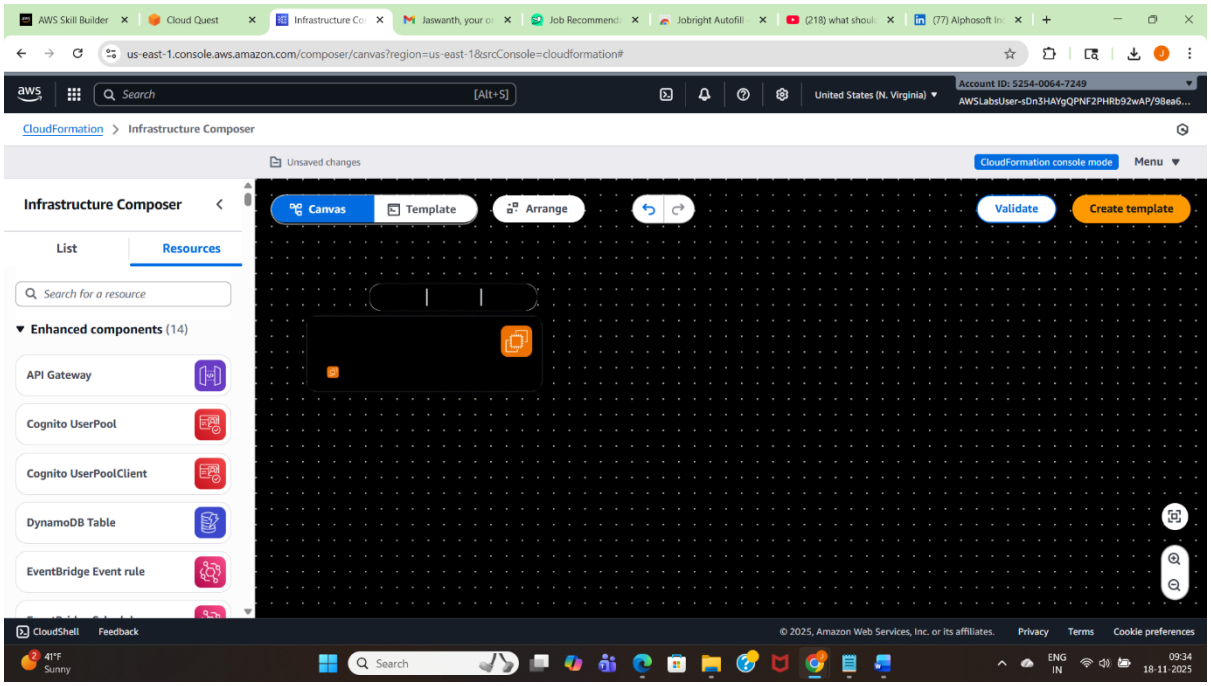
Infrastructure Composer
CloudFormation > Infrastructure Composer
Unsaved changes
CloudFormation console mode
Menu
Canvas
Template
Arrange
Validate
Create template
List
Resources
Search for a resource
Enhanced components (14)
API Gateway
Cognito UserPool
Cognito UserPoolClient
DynamoDB Table
EventBridge Event rule
CloudShell
Feedback
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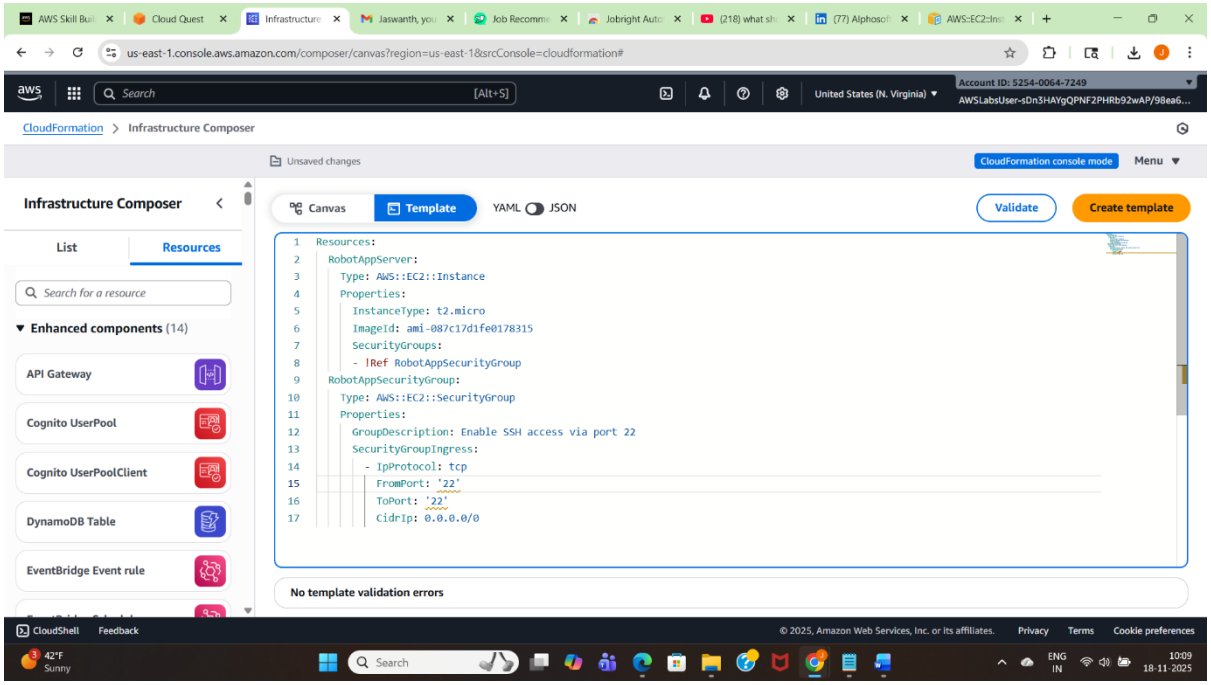
Infrastructure Composer
CloudFormation > Infrastructure Composer
Unsaved changes
CloudFormation console mode
Menu
Canvas
Template
YAML
JSON
Validate
Create template
Resources:
RobotAppServer:
Type: AWS::EC2::Instance
Properties:
InstanceType: t2.micro
ImageId: ami-087c17d1fe0178315
SecurityGroups:
- !Ref RobotAppSecurityGroup
RobotAppSecurityGroup:
Type: AWS::EC2::SecurityGroup
Properties:
GroupDescription: Enable SSH access via port 22
SecurityGroupIngress:
- IpProtocol: tcp
FromPort: '22'
ToPort: '22'
CidrIp: 0.0.0.0/0
No template validation errors
List
Resources
Search for a resource
Enhanced components (14)
API Gateway
Cognito UserPool
Cognito UserPoolClient
DynamoDB Table
EventBridge Event rule
CloudShell
Feedback
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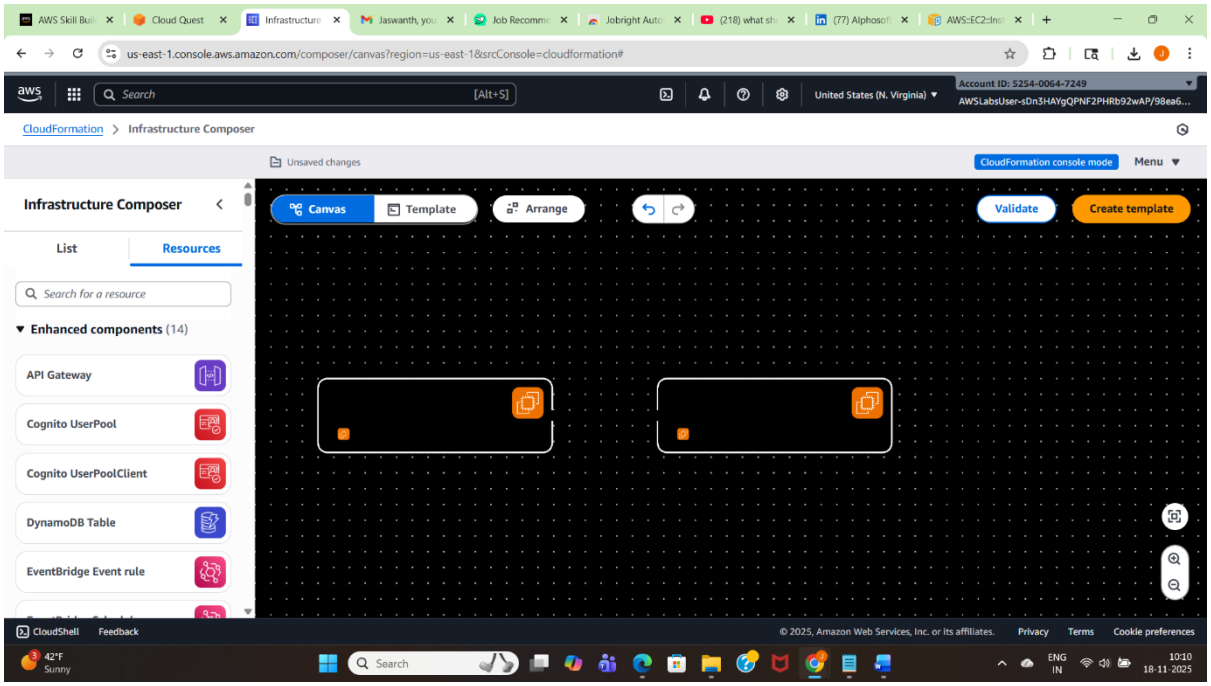
us-east-1.console.aws.amazon.com/composer/canvas?region=us-east-1&srcConsole=cloudformation#
Search
[Alt+S]
United States (N. Virginia)
Account ID: 5254-0064-7249
AWSLabsUser-sDn3HAYgQPNF2PHRb92wAP/98ea6...
CloudFormation
Infrastructure Composer
Unsaved changes
CloudFormation console mode
Menu
Infrastructure Composer
Canvas
Template
Arrange
Validate
Create template
List
Resources
Search for a resource
Enhanced components (14)
API Gateway
Cognito UserPool
Cognito UserPoolClient
DynamoDB Table
EventBridge Event rule
CloudShell
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42°F
Sunny
Search
ENG
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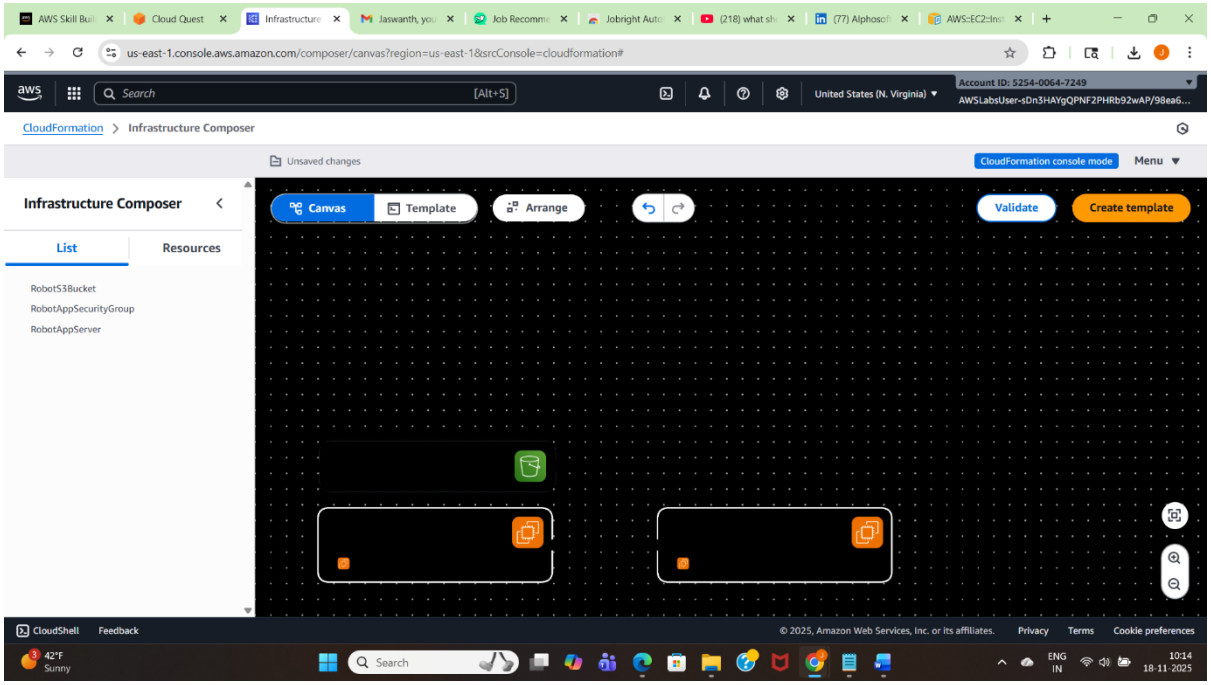
10:10
18-11-2025


us-east-1.console.aws.amazon.com/composer/canvas?region=us-east-1&srcConsole=cloudformation#
Search
[Alt+S]
United States (N. Virginia)
Account ID: 5254-0064-7249
AWSLabsUser-sDn3HAYgQPNF2PHRb92wAP/98ea6...
CloudFormation
Infrastructure Composer
Unsaved changes
CloudFormation console mode
Menu
Infrastructure Composer
Canvas
Template
Arrange
Validate
Create template
List
Resources
RobotS3Bucket
RobotAppSecurityGroup
RobotAppServer
CloudShell
Feedback
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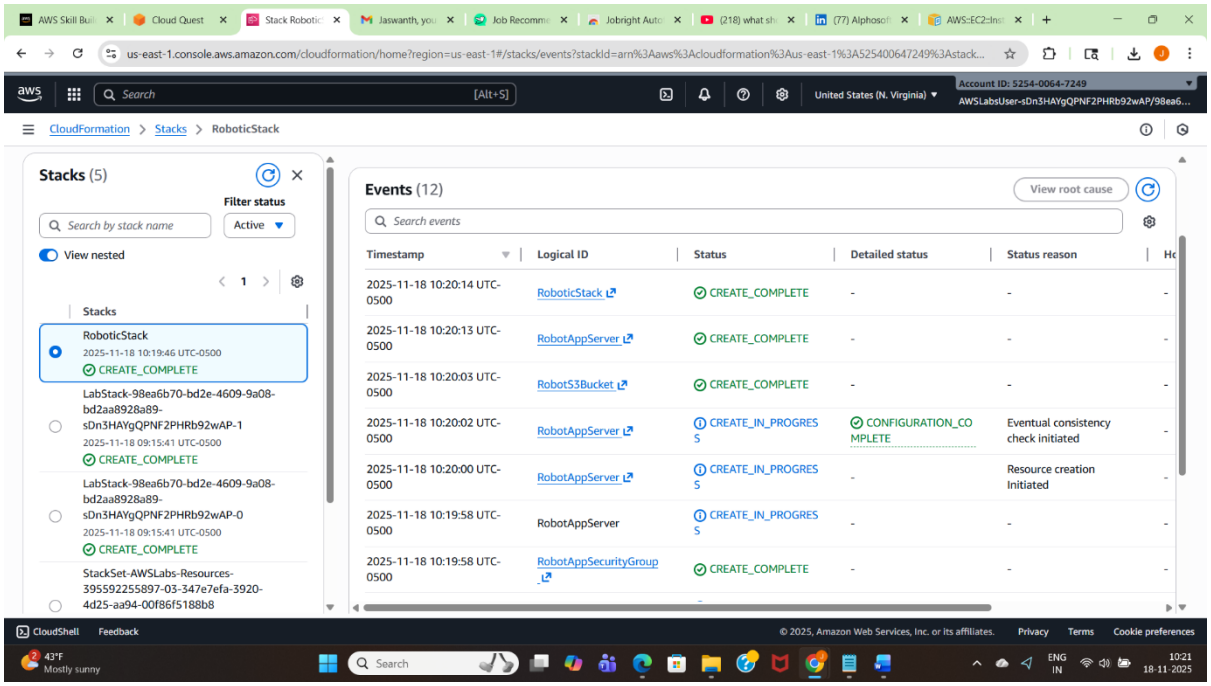
Cookie preferences
42°F
Sunny
Search
ENG
IN
10:14
18-11-2025


us-east-1.console.aws.amazon.com/cloudformation/home?region=us-east-1#/stacks/events?stackId=arn%3Aaws%3Acloudformation%3Aus-east-1%3A525400647249%3Astack...
Search [Alt+S]
United States (N. Virginia)
Account ID: 5254-0064-7249
AWSLabsUser-sDn3HAYgQPNF2PHRb92wAP/98ea6...
CloudFormation > Stacks > RoboticStack
Stacks (5)
Filter status
Search by stack name
Active
View nested
Stacks
RoboticStack
2025-11-18 10:19:46 UTC-0500
CREATE_COMPLETE
LabStack-98ea6b70-bd2e-4609-9a08-bd2aa8928a89-sDn3HAYgQPNF2PHRb92wAP-1
2025-11-18 09:15:41 UTC-0500
CREATE_COMPLETE
LabStack-98ea6b70-bd2e-4609-9a08-bd2aa8928a89-sDn3HAYgQPNF2PHRb92wAP-0
2025-11-18 09:15:41 UTC-0500
CREATE_COMPLETE
StackSet-AWSLabs-Resources-395592255897-03-347e7efa-3920-4d25-aa94-00f86f5188b8
Events (12)
View root cause
Search events
Timestamp
Logical ID
Status
Detailed status
Status reason
2025-11-18 10:20:14 UTC-0500
RoboticStack
CREATE_COMPLETE
2025-11-18 10:20:13 UTC-0500
RobotAppServer
CREATE_COMPLETE
2025-11-18 10:20:03 UTC-0500
RobotS3Bucket
CREATE_COMPLETE
2025-11-18 10:20:02 UTC-0500
RobotAppServer
CREATE_IN_PROGRES S
CONFIGURATION_CO MPLETE
Eventual consistency check initiated
2025-11-18 10:20:00 UTC-0500
RobotAppServer
CREATE_IN_PROGRES S
Resource creation Initiated
2025-11-18 10:19:58 UTC-0500
RobotAppServer
CREATE_IN_PROGRES S
2025-11-18 10:19:58 UTC-0500
RobotAppSecurityGroup
CREATE_COMPLETE
CloudShell
Feedback
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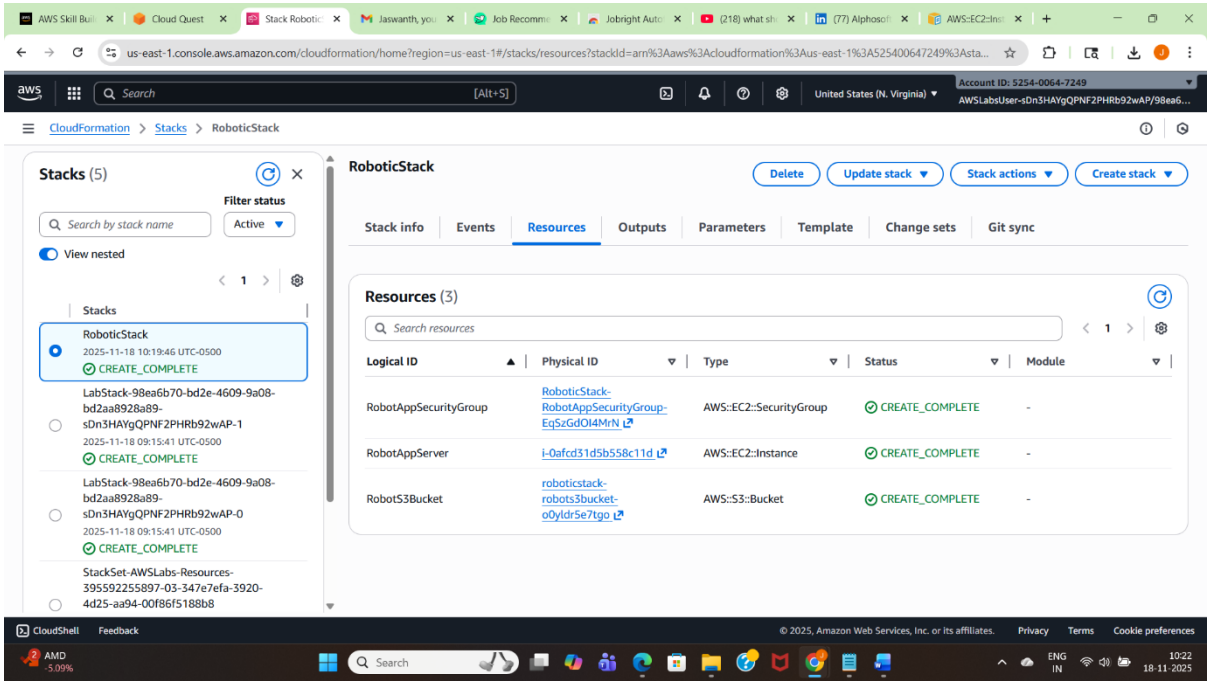
43°F
Mostly sunny
Search
ENG IN
10:21
18-11-2025


us-east-1.console.aws.amazon.com/cloudformation/home?region=us-east-1#/stacks/resources?stackId=arn%3Aaws%3Acloudformation%3Aus-east-1%3A525400647249%3Asta...
Search [Alt+S]
United States (N. Virginia)
Account ID: 5254-0064-7249
AWSLabsUser-sDn3HAYgQPNF2PHRb92wAP/98ea6...
CloudFormation > Stacks > RoboticStack
Stacks (5)
Filter status
Search by stack name
Active
View nested
Stacks
RoboticStack
2025-11-18 10:19:46 UTC-0500
CREATE_COMPLETE
LabStack-98ea6b70-bd2e-4609-9a08-bd2aa8928a89-sDn3HAYgQPNF2PHRb92wAP-1
2025-11-18 09:15:41 UTC-0500
CREATE_COMPLETE
LabStack-98ea6b70-bd2e-4609-9a08-bd2aa8928a89-sDn3HAYgQPNF2PHRb92wAP-0
2025-11-18 09:15:41 UTC-0500
CREATE_COMPLETE
StackSet-AWSLabs-Resources-395592255897-03-347e7efa-3920-4d25-aa94-00f86f5188b8
RoboticStack
Delete
Update stack
Stack actions
Create stack
Stack info
Events
Resources
Outputs
Parameters
Template
Change sets
Git sync
Resources (3)
Search resources
Logical ID
Physical ID
Type
Status
Module
RobotAppSecurityGroup
RoboticStack-RobotAppSecurityGroup-Eq5zGdOI4MrN
AWS::EC2::SecurityGroup
CREATE_COMPLETE
RobotAppServer
i-0afcd31d5b558c11d
AWS::EC2::Instance
CREATE_COMPLETE
RobotS3Bucket
roboticstack-robots3bucket-o0yldr5e7tgo
AWS::S3::Bucket
CREATE_COMPLETE
CloudShell
Feedback
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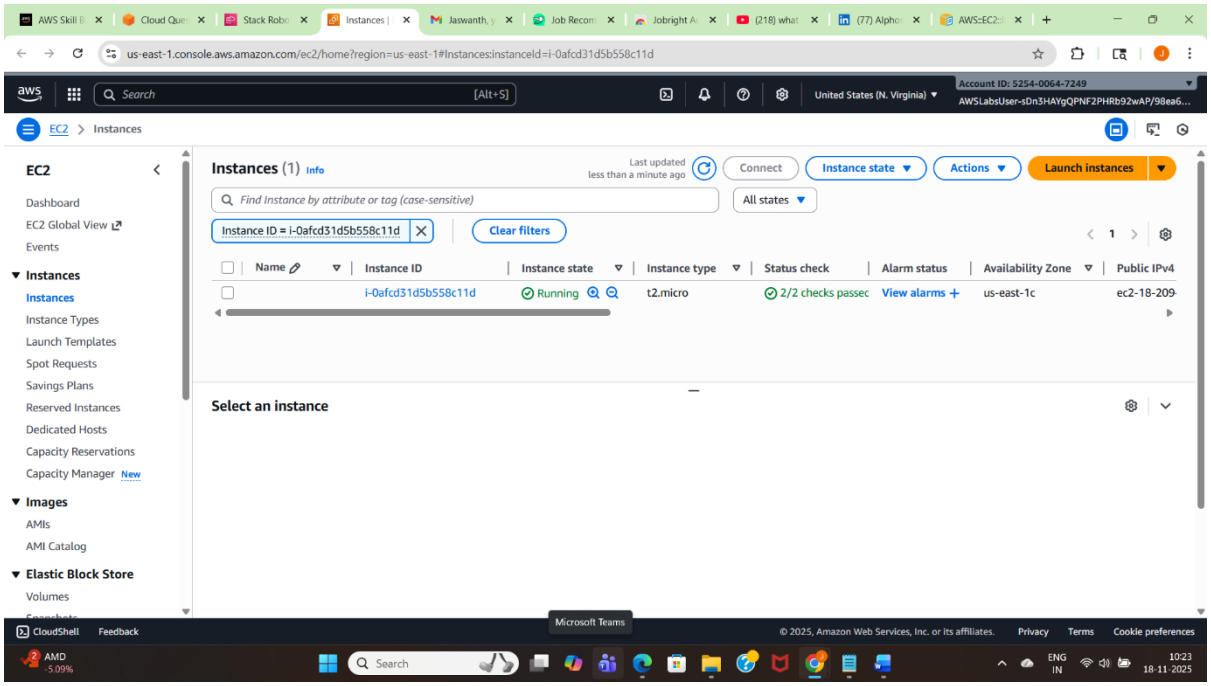
AMD
-5.09%
Search
ENG IN
10:22
18-11-2025


us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:instanceId=i-0afcd31d5b558c11d
EC2 > Instances
Instances (1) Info
Connect
Instance state
Actions
Launch instances
Instance ID = i-0afcd31d5b558c11d
Clear filters
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4
i-0afcd31d5b558c11d
Running
t2.micro
2/2 checks passed
View alarms
us-east-1c
Select an instance
Microsoft Teams
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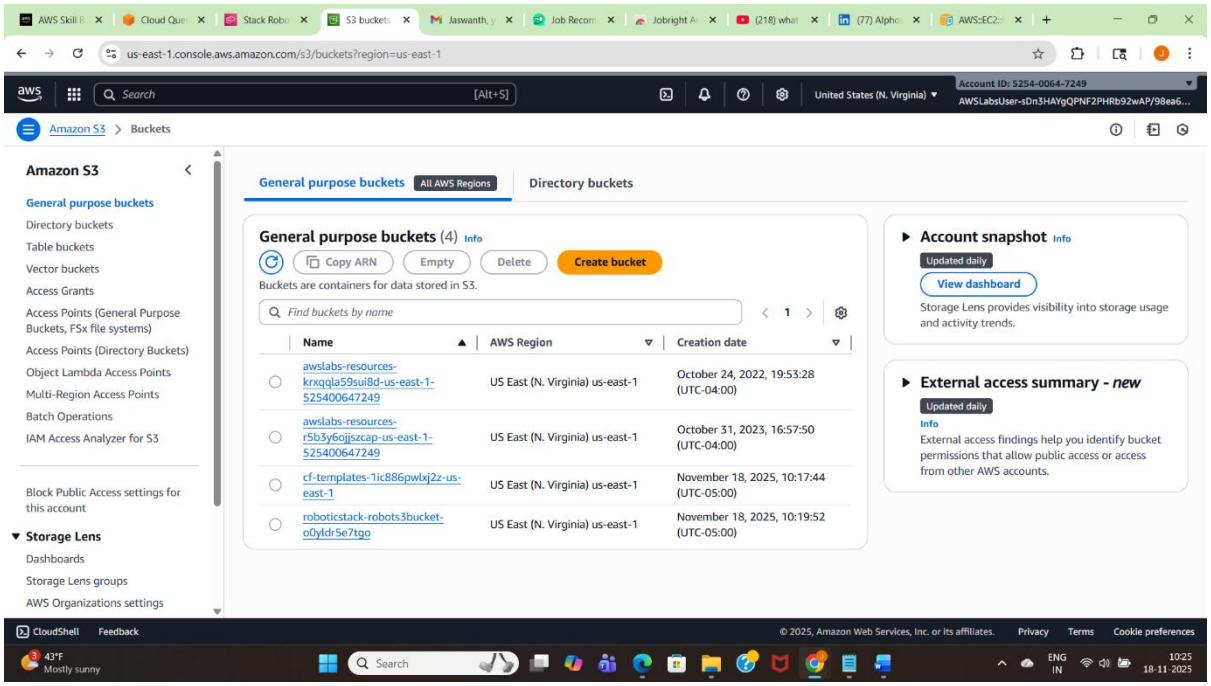
us-east-1.console.aws.amazon.com/s3/buckets?region=us-east-1
Amazon S3 > Buckets
General purpose buckets
Directory buckets
General purpose buckets (4) Info
Copy ARN
Empty
Delete
Create bucket
Buckets are containers for data stored in S3.
Name
AWS Region
Creation date
Account snapshot Info
View dashboard
External access summary - new
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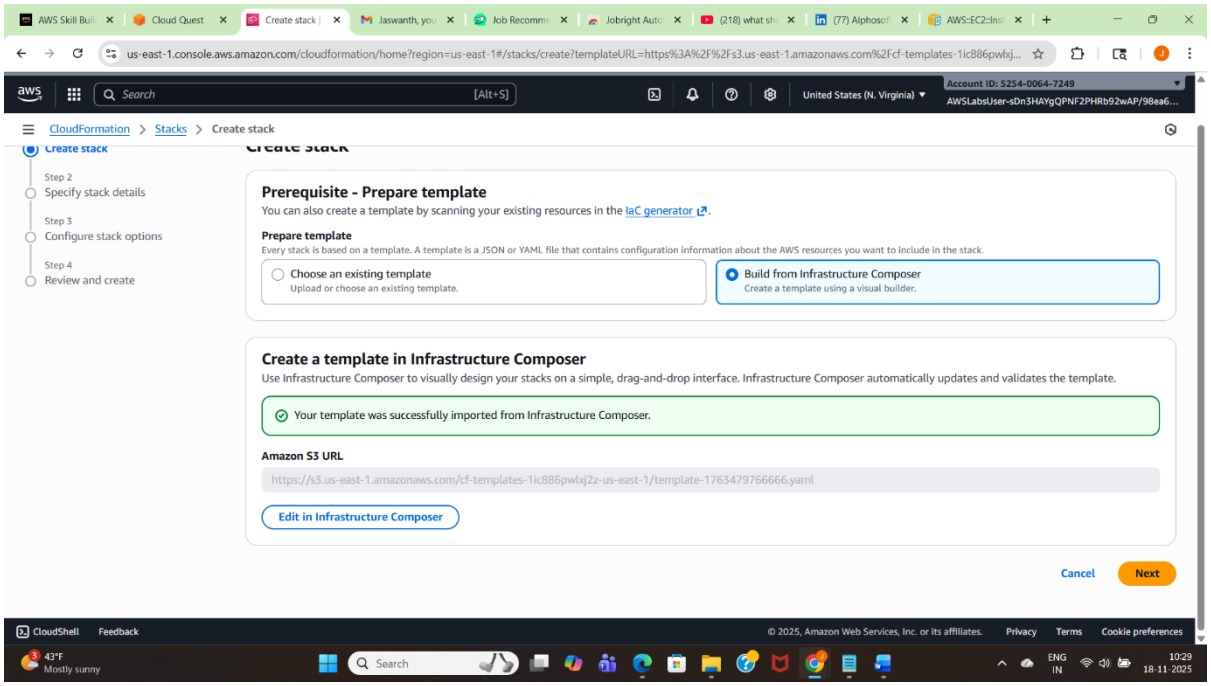
CloudFormation > Stacks > Create stack
Create stack
Step 2
Specify stack details
Step 3
Configure stack options
Step 4
Review and create
Prerequisite - Prepare template
You can also create a template by scanning your existing resources in the IaC generator.
Prepare template
Every stack is based on a template. A template is a JSON or YAML file that contains configuration information about the AWS resources you want to include in the stack.
Choose an existing template
Upload or choose an existing template.
Build from Infrastructure Composer
Create a template using a visual builder.
Create a template in Infrastructure Composer
Use Infrastructure Composer to visually design your stacks on a simple, drag-and-drop interface. Infrastructure Composer automatically updates and validates the template.
Your template was successfully imported from Infrastructure Composer.
Amazon S3 URL
https://s3.us-east-1.amazonaws.com/cf-templates-1ic886pwbxj2z-us-east-1/template-1763479766666.yaml
Edit in Infrastructure Composer
Cancel
Next
CloudShell
Feedback
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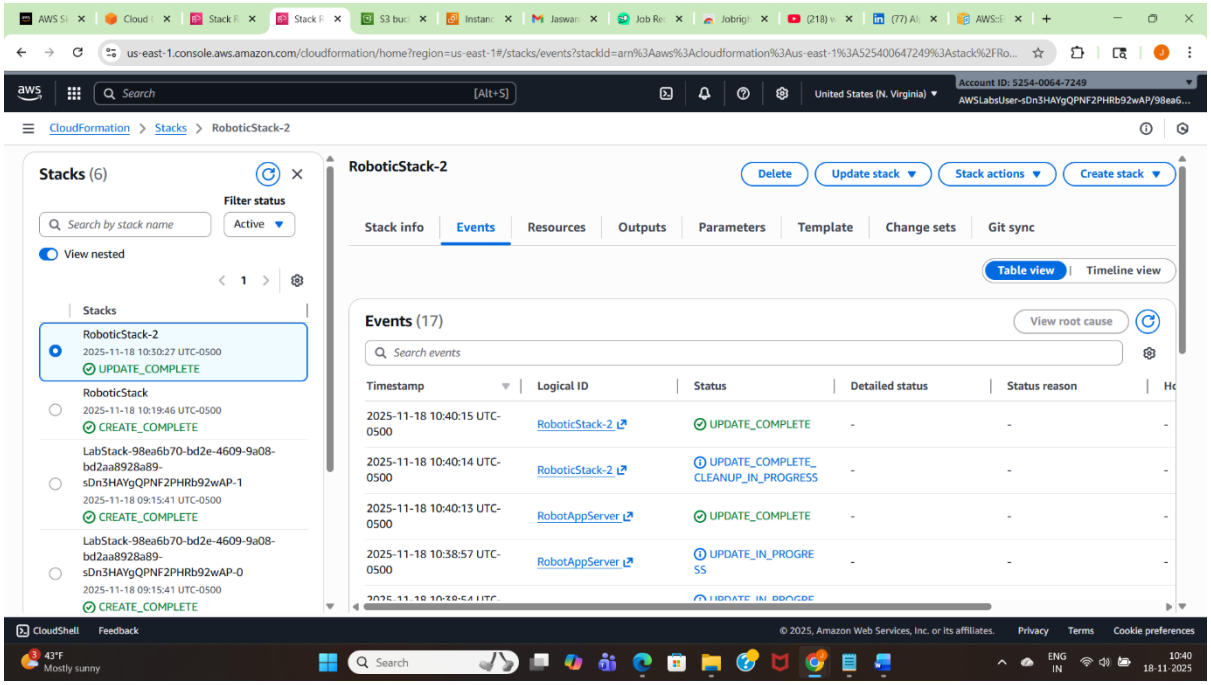
CloudFormation > Stacks > RoboticStack-2
Stacks (6)
Filter status
Search by stack name
Active
View nested
Stacks
RoboticStack-2
2025-11-18 10:30:27 UTC-0500
UPDATE_COMPLETE
RoboticStack
2025-11-18 10:19:46 UTC-0500
CREATE_COMPLETE
LabStack-98ea6b70-bd2e-4609-9a08-bd2aa8928a89-sDn3HAYgQPNF2PHRb92wAP-1
2025-11-18 09:15:41 UTC-0500
CREATE_COMPLETE
LabStack-98ea6b70-bd2e-4609-9a08-bd2aa8928a89-sDn3HAYgQPNF2PHRb92wAP-0
2025-11-18 09:15:41 UTC-0500
CREATE_COMPLETE
RoboticStack-2
Delete
Update stack
Stack actions
Create stack
Stack info
Events
Resources
Outputs
Parameters
Template
Change sets
Git sync
Table view
Timeline view
Events (17)
View root cause
Search events
Timestamp
Logical ID
Status
Detailed status
Status reason
2025-11-18 10:40:15 UTC-0500
RoboticStack-2
UPDATE_COMPLETE
2025-11-18 10:40:14 UTC-0500
RoboticStack-2
UPDATE_COMPLETE_CLEANUP_IN_PROGRESS
2025-11-18 10:40:13 UTC-0500
RobotAppServer
UPDATE_COMPLETE
2025-11-18 10:38:57 UTC-0500
RobotAppServer
UPDATE_IN_PROGRESS
CloudShell
Feedback
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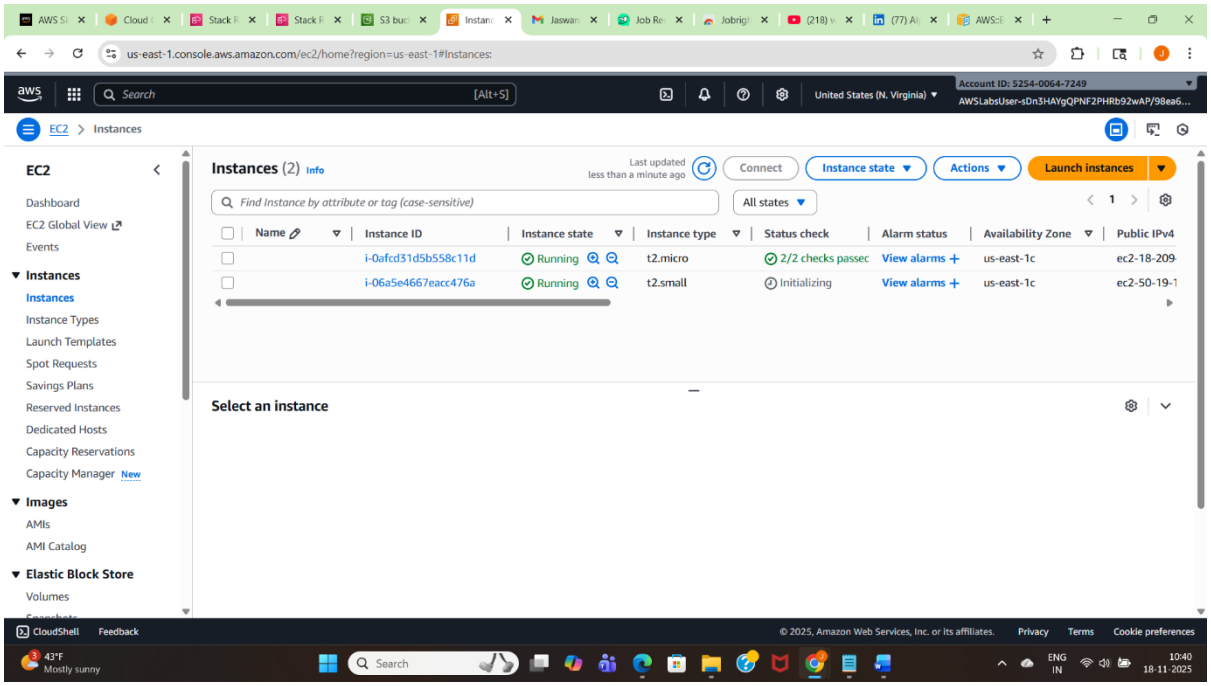

Step 1

Resources:

RobotAppServer:

Type: 'AWS::EC2::Instance'

Properties:

InstanceType: t2.micro

ImageId: ami-087c17d1fe0178315

####################

Step 2

RobotAppSecurityGroup:

Type: 'AWS::EC2::SecurityGroup'

Properties:

GroupDescription: Enable SSH access via port 22

```
    SecurityGroupIngress:
    - IpProtocol: tcp
      FromPort: '22'
      ToPort: '22'
      CidrIp: 0.0.0.0/0

####################

#### Step 3 #######

    SecurityGroups:
    - !Ref RobotAppSecurityGroup

####################

#### Step 4 #######

  RobotS3Bucket:
    Type: 'AWS::S3::Bucket'
    DeletionPolicy: Delete



##FULL STACK CODE##

Resources:
  RobotAppServer:
    Type: 'AWS::EC2::Instance'
    Properties:
      InstanceType: t2.micro
      ImageId: ami-087c17d1fe0178315
```

```
    SecurityGroups:
    - !Ref RobotAppSecurityGroup
  RobotAppSecurityGroup:
   Type: 'AWS::EC2::SecurityGroup'
   Properties:
    GroupDescription: Enable SSH access via port 22
    SecurityGroupIngress:
    - IpProtocol: tcp
      FromPort: '22'
      ToPort: '22'
      CidrIp: 0.0.0.0/0
  RobotS3Bucket:
   Type: 'AWS::S3::Bucket'
   DeletionPolicy: Delete
```