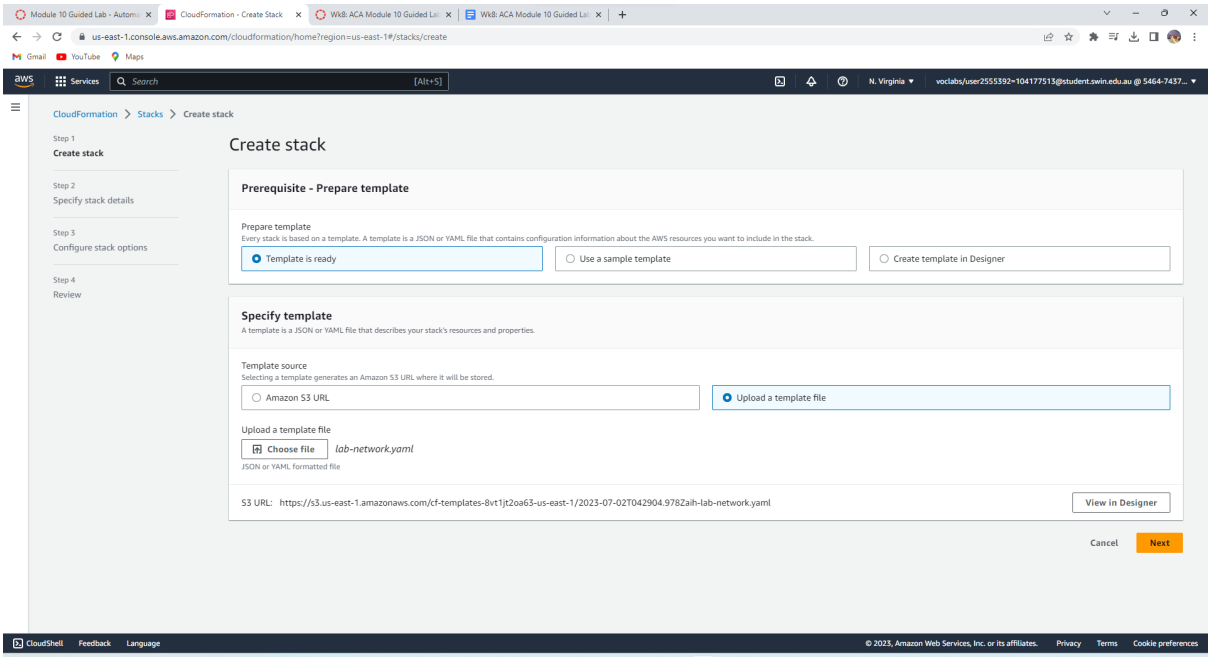
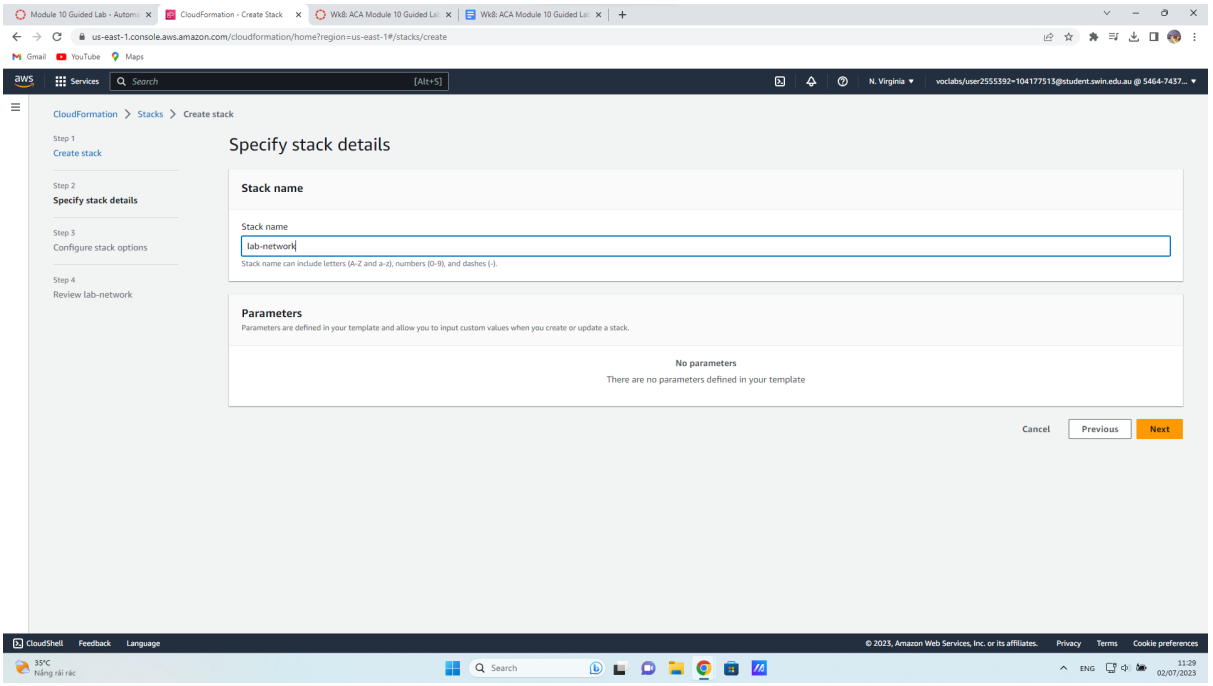
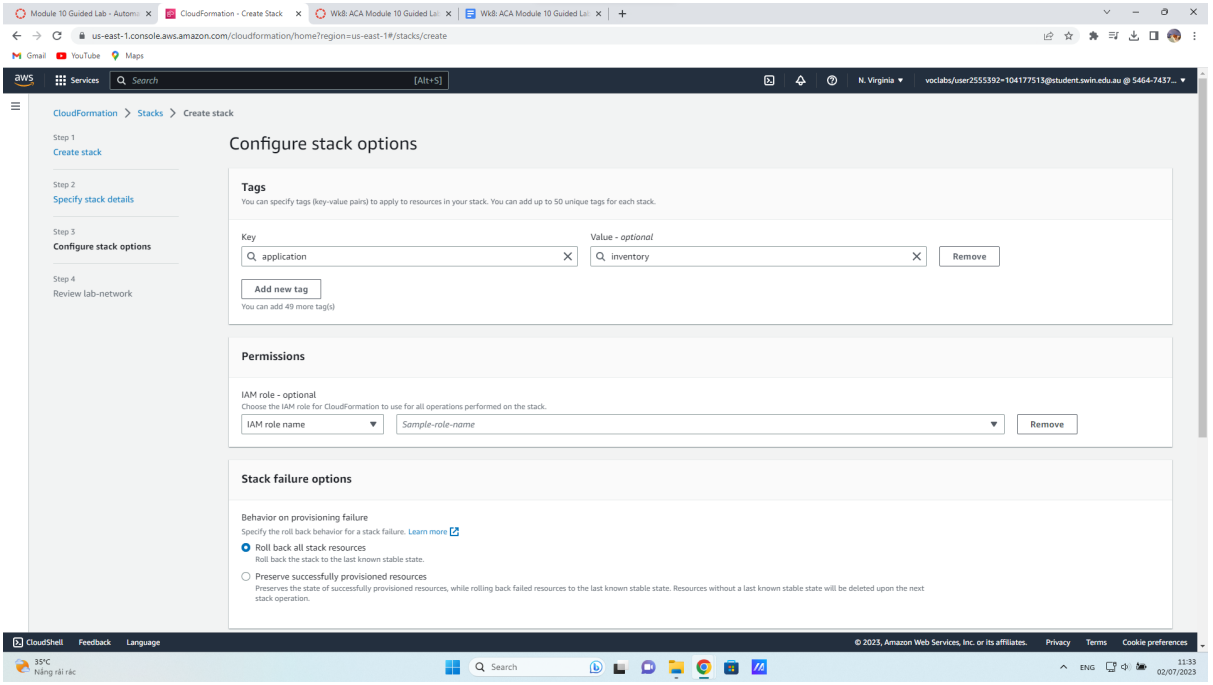
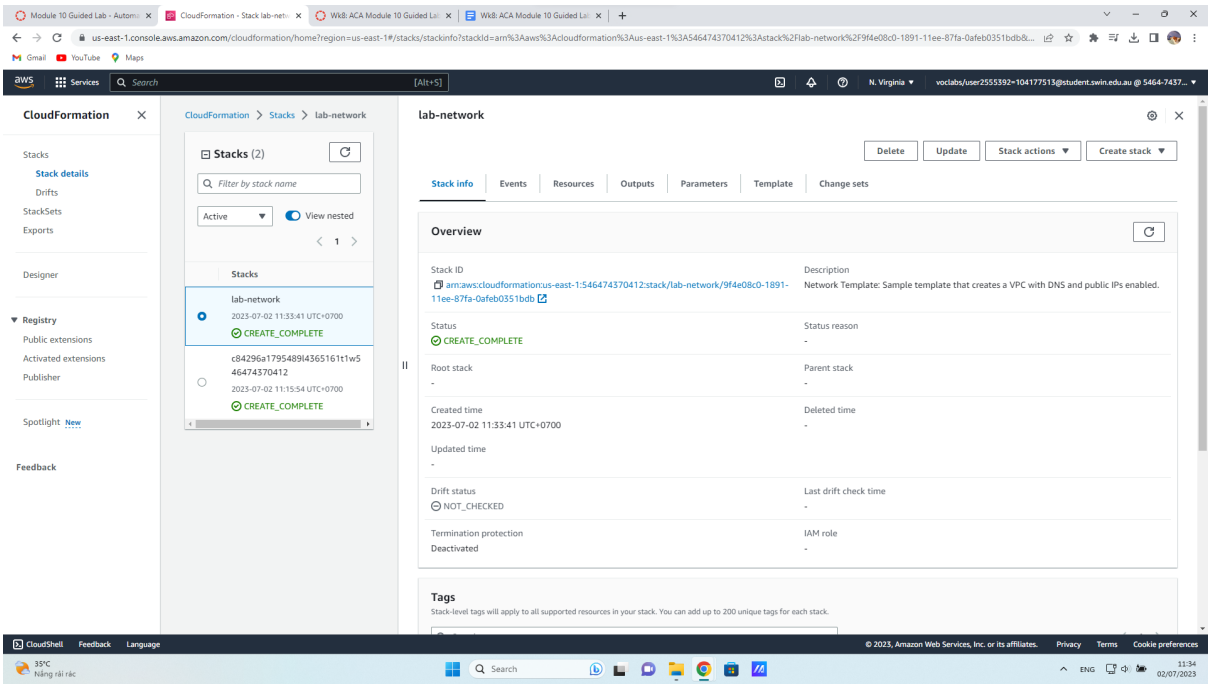
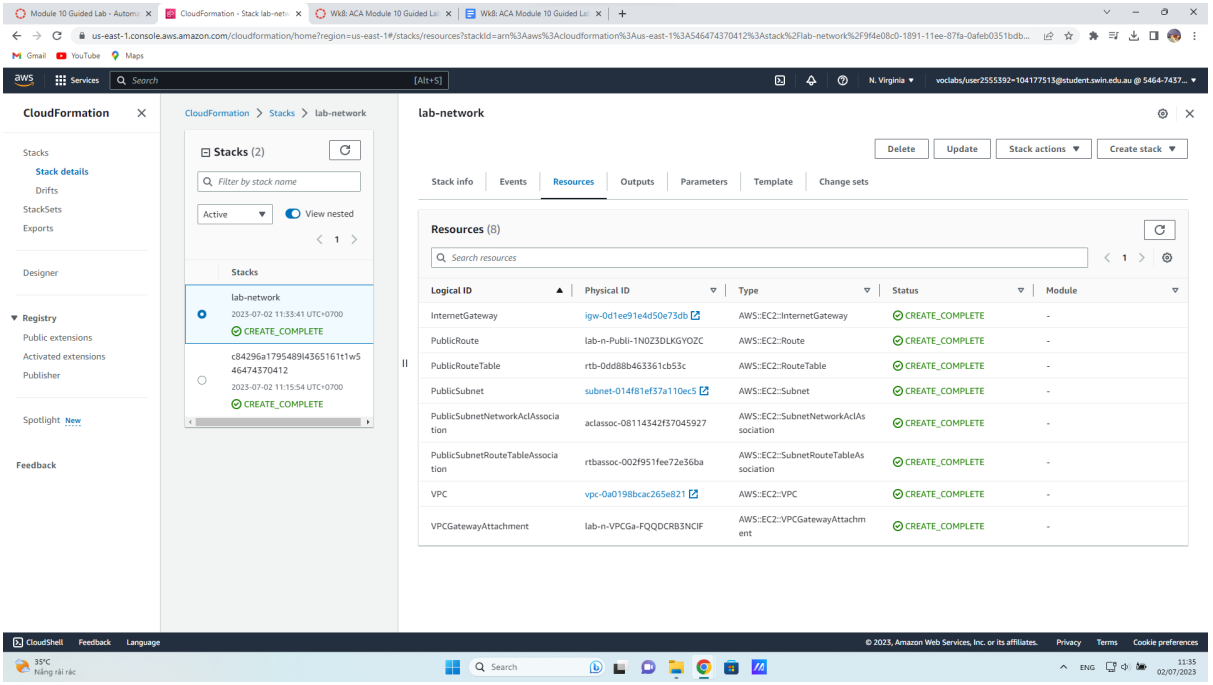
These are my screenshots for Wk8: ACA Module 10 Guided Lab - Automating Infrastructure Deployment with AWS CloudFormation






CloudFormation > Stacks > Create stack
Step 1
Create stack
Step 2
Specify stack details
Step 3
Configure stack options
Step 4
Review lab-network
Configure stack options
Tags
You can specify tags (key-value pairs) to apply to resources in your stack. You can add up to 50 unique tags for each stack.
Key
application
Value - optional
inventory
Remove
Add new tag
You can add 49 more tag(s)
Permissions
IAM role - optional
Choose the IAM role for CloudFormation to use for all operations performed on the stack.
IAM role name
Sample-role-name
Remove
Stack failure options
Behavior on provisioning failure
Specify the roll back behavior for a stack failure. Learn more
Roll back all stack resources
Roll back the stack to the last known stable state.
Preserve successfully provisioned resources
Preserves the state of successfully provisioned resources, while rolling back failed resources to the last known stable state. Resources without a last known stable state will be deleted upon the next stack operation.


CloudFormation
Stacks
Stack details
Drifts
StackSets
Exports
Designer
Registry
Public extensions
Activated extensions
Publisher
Spotlight New
Feedback
CloudFormation > Stacks > lab-network
Stacks (2)
Filter by stack name
Active
View nested
Stacks
lab-network
2023-07-02 11:33:41 UTC+0700
CREATE_COMPLETE
c84296a1795489l4365161t1w546474370412
2023-07-02 11:15:54 UTC+0700
CREATE_COMPLETE
lab-network
Delete
Update
Stack actions
Create stack
Stack info
Events
Resources
Outputs
Parameters
Template
Change sets
Overview
Stack ID
arn:aws:cloudformation:us-east-1:546474370412:stack/lab-network/9f4e08c0-1891-11ee-87fa-0afeb0351bdb
Description
Network Template: Sample template that creates a VPC with DNS and public IPs enabled.
Status
CREATE_COMPLETE
Status reason
-
Root stack
-
Parent stack
-
Created time
2023-07-02 11:33:41 UTC+0700
Deleted time
-
Updated time
-
Drift status
NOT_CHECKED
Last drift check time
-
Termination protection
Deactivated
IAM role
-
Tags
Stack-level tags will apply to all supported resources in your stack. You can add up to 200 unique tags for each stack.


CloudFormation
Stacks
Stack details
Drifts
StackSets
Exports
Designer
Registry
Public extensions
Activated extensions
Publisher
Spotlight New
Feedback
CloudFormation > Stacks > lab-network
Stacks (2)
Filter by stack name
Active
View nested
Stacks
lab-network
2023-07-02 11:33:41 UTC+0700
CREATE_COMPLETE
c84296a1795489l4365161t1w546474370412
2023-07-02 11:15:54 UTC+0700
CREATE_COMPLETE
lab-network
Delete
Update
Stack actions
Create stack
Stack info
Events
Resources
Outputs
Parameters
Template
Change sets
Resources (8)
Search resources
Logical ID
Physical ID
Type
Status
Module
InternetGateway
igw-0d1ee91e4d50e73db
AWS::EC2::InternetGateway
CREATE_COMPLETE
PublicRoute
lab-n-Publi-1N0Z3DLKGYOZC
AWS::EC2::Route
CREATE_COMPLETE
PublicRouteTable
rtb-0dd88b463361cb53c
AWS::EC2::RouteTable
CREATE_COMPLETE
PublicSubnet
subnet-014f81ef37a110ec5
AWS::EC2::Subnet
CREATE_COMPLETE
PublicSubnetNetworkAclAssociation
aclassoc-08114342f37045927
AWS::EC2::SubnetNetworkAclAssociation
CREATE_COMPLETE
PublicSubnetRouteTableAssociation
rtbassoc-002f951fee72e36ba
AWS::EC2::SubnetRouteTableAssociation
CREATE_COMPLETE
VPC
vpc-0a0198bcac265e821
AWS::EC2::VPC
CREATE_COMPLETE
VPCGatewayAttachment
lab-n-VPCGa-FQQDCRB3NCIF
AWS::EC2::VPCGatewayAttachment
CREATE_COMPLETE
CloudShell
Feedback
Language
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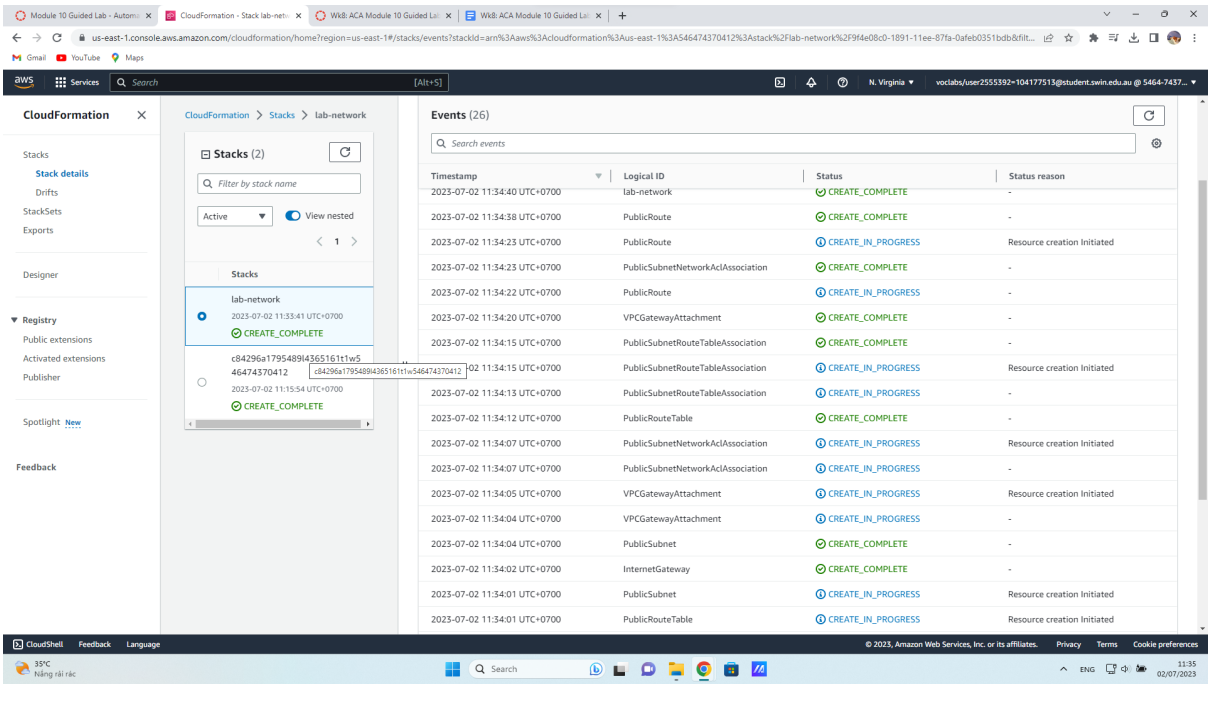
Privacy
Terms
Cookie preferences


CloudFormation
Stacks
Stack details
Drifts
StackSets
Exports
Designer
Registry
Public extensions
Activated extensions
Publisher
Spotlight New
Feedback
CloudFormation > Stacks > lab-network
Stacks (2)
Filter by stack name
Active
View nested
Stacks
lab-network
2023-07-02 11:33:41 UTC+0700
CREATE_COMPLETE
c84296a1795489l4365161t1w546474370412
2023-07-02 11:15:54 UTC+0700
CREATE_COMPLETE
Events (26)
Search events
Timestamp
Logical ID
Status
Status reason
2023-07-02 11:34:40 UTC+0700 lab-network CREATE_COMPLETE -
2023-07-02 11:34:38 UTC+0700 PublicRoute CREATE_COMPLETE -
2023-07-02 11:34:23 UTC+0700 PublicRoute CREATE_IN_PROGRESS Resource creation Initiated
2023-07-02 11:34:23 UTC+0700 PublicSubnetNetworkAclAssociation CREATE_COMPLETE -
2023-07-02 11:34:22 UTC+0700 PublicRoute CREATE_IN_PROGRESS -
2023-07-02 11:34:20 UTC+0700 VPCGatewayAttachment CREATE_COMPLETE -
2023-07-02 11:34:15 UTC+0700 PublicSubnetRouteTableAssociation CREATE_COMPLETE -
2023-07-02 11:34:15 UTC+0700 PublicSubnetRouteTableAssociation CREATE_IN_PROGRESS Resource creation Initiated
2023-07-02 11:34:13 UTC+0700 PublicSubnetRouteTableAssociation CREATE_IN_PROGRESS -
2023-07-02 11:34:12 UTC+0700 PublicRouteTable CREATE_COMPLETE -
2023-07-02 11:34:07 UTC+0700 PublicSubnetNetworkAclAssociation CREATE_IN_PROGRESS Resource creation Initiated
2023-07-02 11:34:07 UTC+0700 PublicSubnetNetworkAclAssociation CREATE_IN_PROGRESS -
2023-07-02 11:34:05 UTC+0700 VPCGatewayAttachment CREATE_IN_PROGRESS Resource creation Initiated
2023-07-02 11:34:04 UTC+0700 VPCGatewayAttachment CREATE_IN_PROGRESS -
2023-07-02 11:34:04 UTC+0700 PublicSubnet CREATE_COMPLETE -
2023-07-02 11:34:02 UTC+0700 InternetGateway CREATE_COMPLETE -
2023-07-02 11:34:01 UTC+0700 PublicSubnet CREATE_IN_PROGRESS Resource creation Initiated
2023-07-02 11:34:01 UTC+0700 PublicRouteTable CREATE_IN_PROGRESS Resource creation Initiated
CloudShell
Feedback
Language
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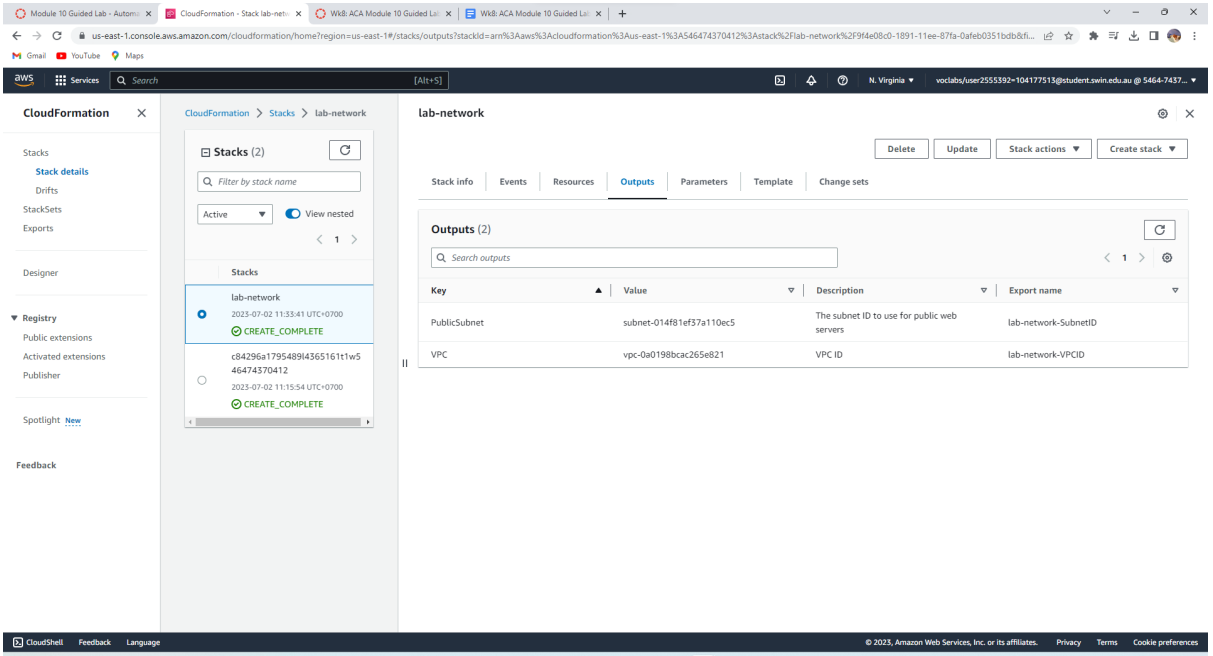
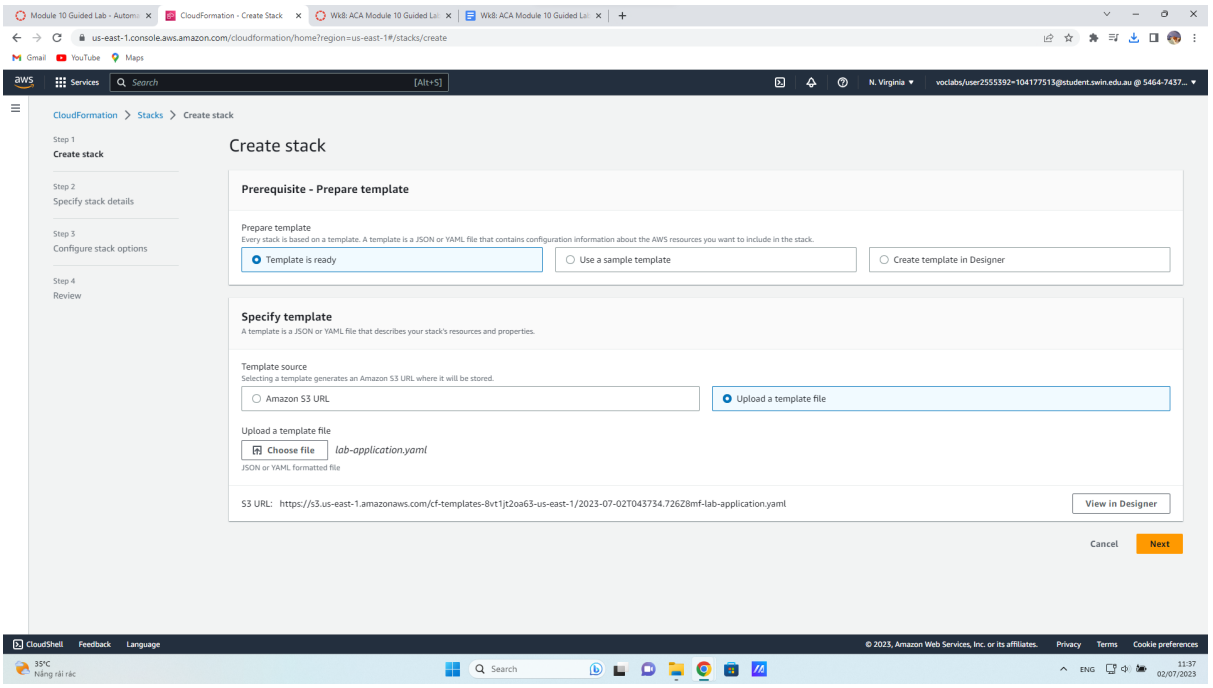
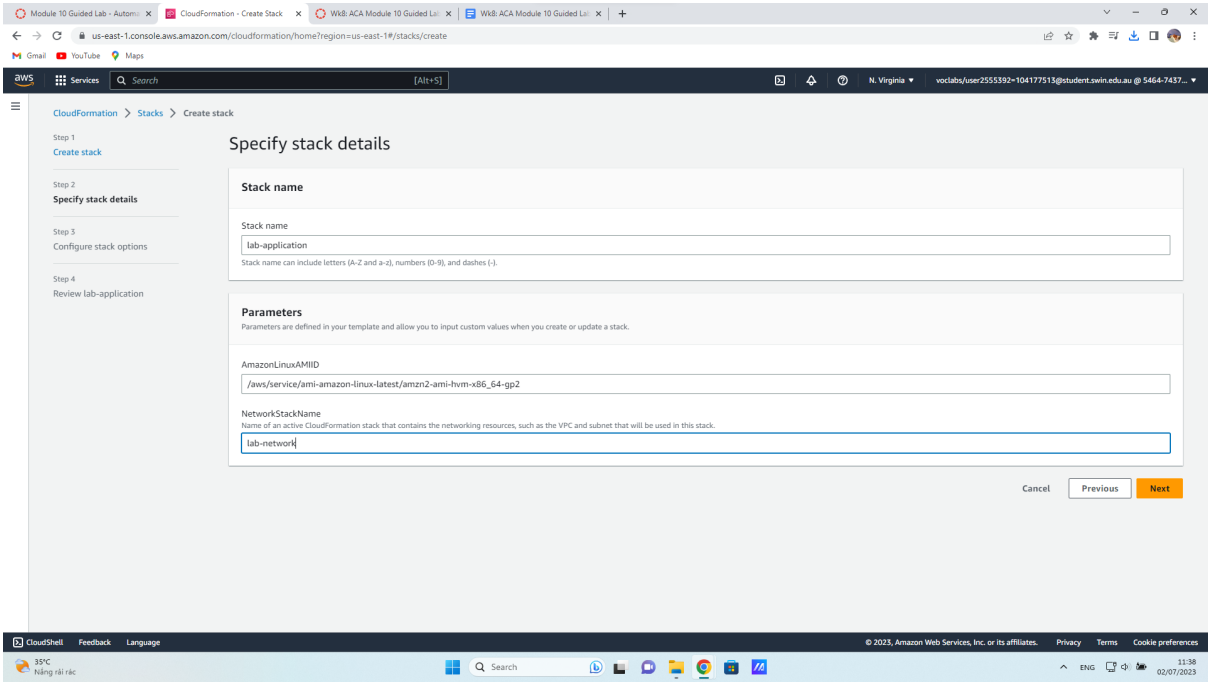
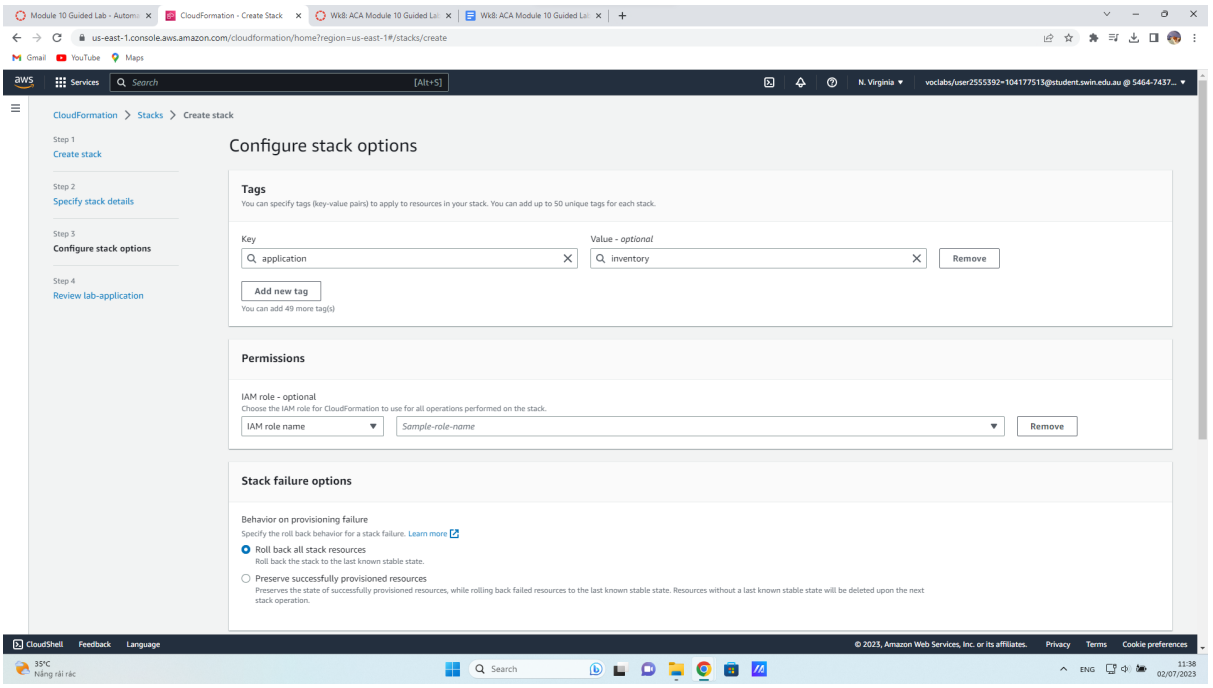
Privacy
Terms
Cookie preferences


CloudFormation
Stacks
Stack details
Drifts
StackSets
Exports
Designer
Registry
Public extensions
Activated extensions
Publisher
Spotlight New
Feedback
CloudFormation > Stacks > lab-network
Stacks (2)
Filter by stack name
Active
View nested
lab-network
2023-07-02 11:33:41 UTC+0700
CREATE_COMPLETE
c84296a1795489l4365161t1w546474370412
2023-07-02 11:15:54 UTC+0700
CREATE_COMPLETE
lab-network
Delete
Update
Stack actions
Create stack
Stack info
Events
Resources
Outputs
Parameters
Template
Change sets
Outputs (2)
Search outputs
Key
Value
Description
Export name
PublicSubnet
subnet-014f81ef37a110ec5
The subnet ID to use for public web servers
lab-network-SubnetID
VPC
vpc-0a0198bcac265e821
VPC ID
lab-network-VPCID


CloudFormation > Stacks > Create stack
Step 1
Create stack
Step 2
Specify stack details
Step 3
Configure stack options
Step 4
Review
Create stack
Prerequisite - Prepare template
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.
Template is ready
Use a sample template
Create template in Designer
Specify template
A template is a JSON or YAML file that describes your stack's resources and properties.
Template source
Selecting a template generates an Amazon S3 URL where it will be stored.
Amazon S3 URL
Upload a template file
Upload a template file
Choose file
lab-application.yaml
JSON or YAML formatted file
S3 URL: https://s3.us-east-1.amazonaws.com/cf-templates-8vt1jt2oa63-us-east-1/2023-07-02T043734.726Z8mf-lab-application.yaml
View in Designer
Cancel
Next


CloudFormation > Stacks > Create stack
Step 1
Create stack
Step 2
Specify stack details
Step 3
Configure stack options
Step 4
Review lab-application
Specify stack details
Stack name
Stack name
lab-application
Stack name can include letters (A-Z and a-z), numbers (0-9), and dashes (-).
Parameters
Parameters are defined in your template and allow you to input custom values when you create or update a stack.
AmazonLinuxAMIID
/aws/service/ami-amazon-linux-latest/amzn2-ami-hvm-x86_64-gp2
NetworkStackName
Name of an active CloudFormation stack that contains the networking resources, such as the VPC and subnet that will be used in this stack.
lab-network
Cancel
Previous
Next


CloudFormation > Stacks > Create stack
Step 1
Create stack
Step 2
Specify stack details
Step 3
Configure stack options
Step 4
Review lab-application
Configure stack options
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You can specify tags (key-value pairs) to apply to resources in your stack. You can add up to 50 unique tags for each stack.
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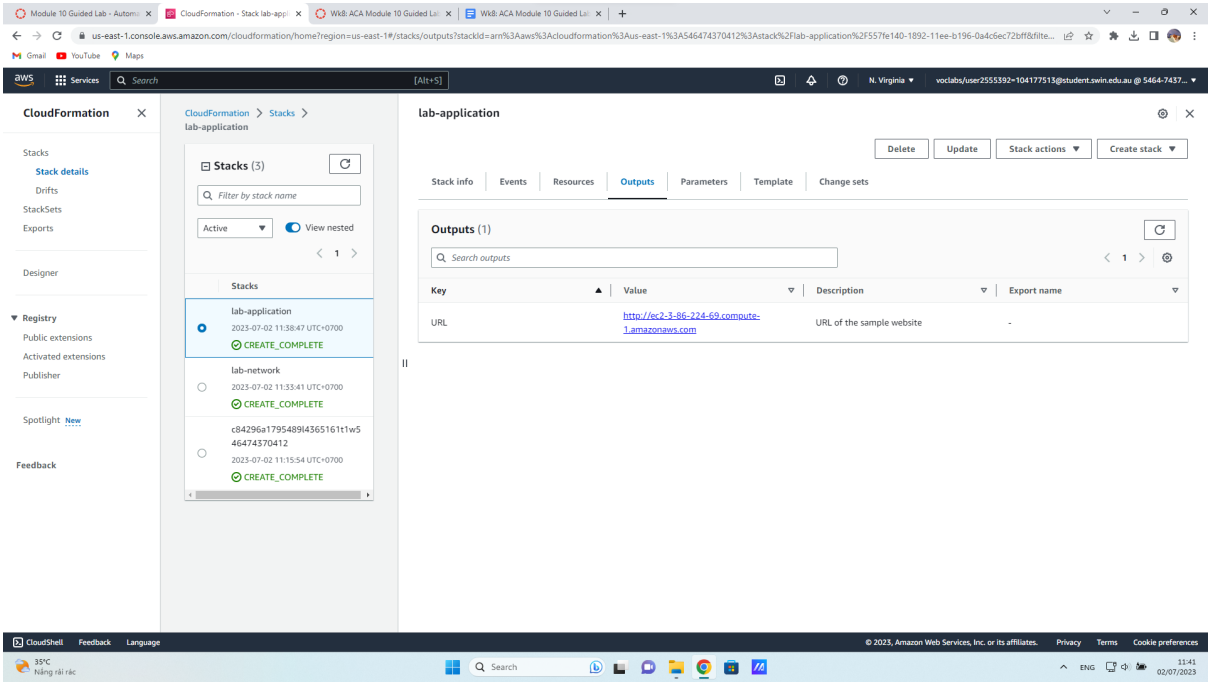
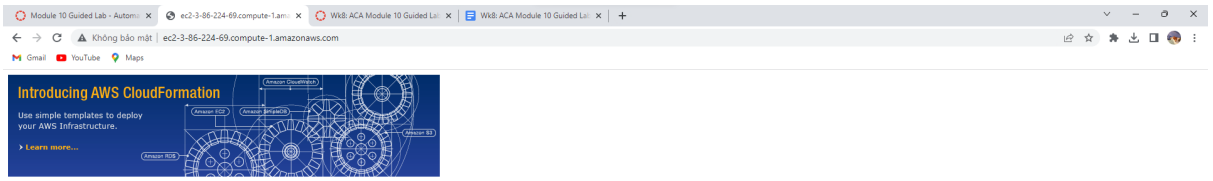
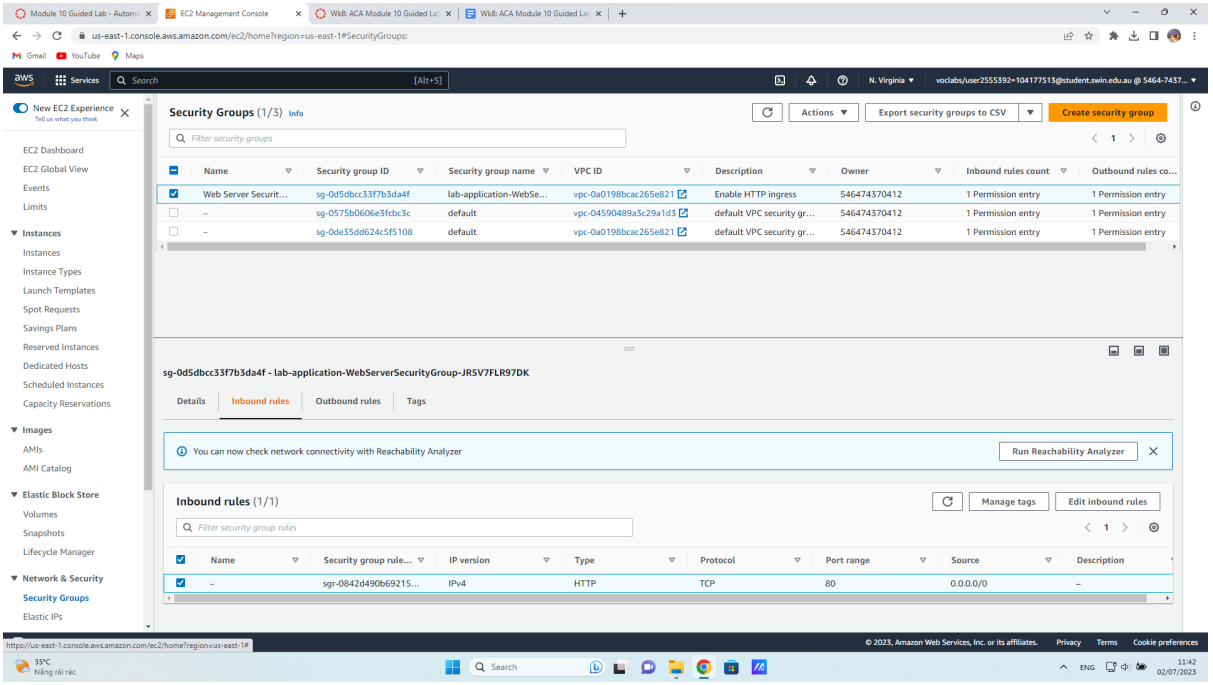
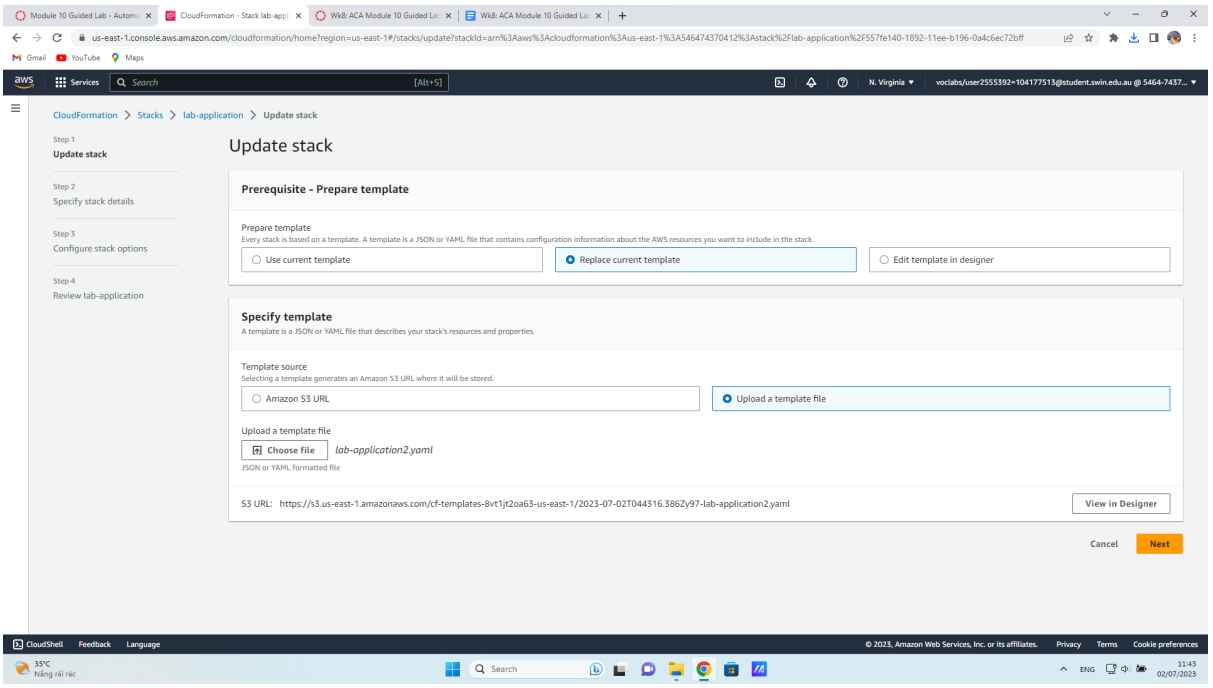
application
Value - optional
inventory
Remove
Add new tag
You can add 49 more tag(s)
Permissions
IAM role - optional
Choose the IAM role for CloudFormation to use for all operations performed on the stack.
IAM role name
Sample-role-name
Remove
Stack failure options
Behavior on provisioning failure
Specify the roll back behavior for a stack failure. Learn more
Roll back all stack resources
Roll back the stack to the last known stable state.
Preserve successfully provisioned resources
Preserves the state of successfully provisioned resources, while rolling back failed resources to the last known stable state. Resources without a last known stable state will be deleted upon the next stack operation.

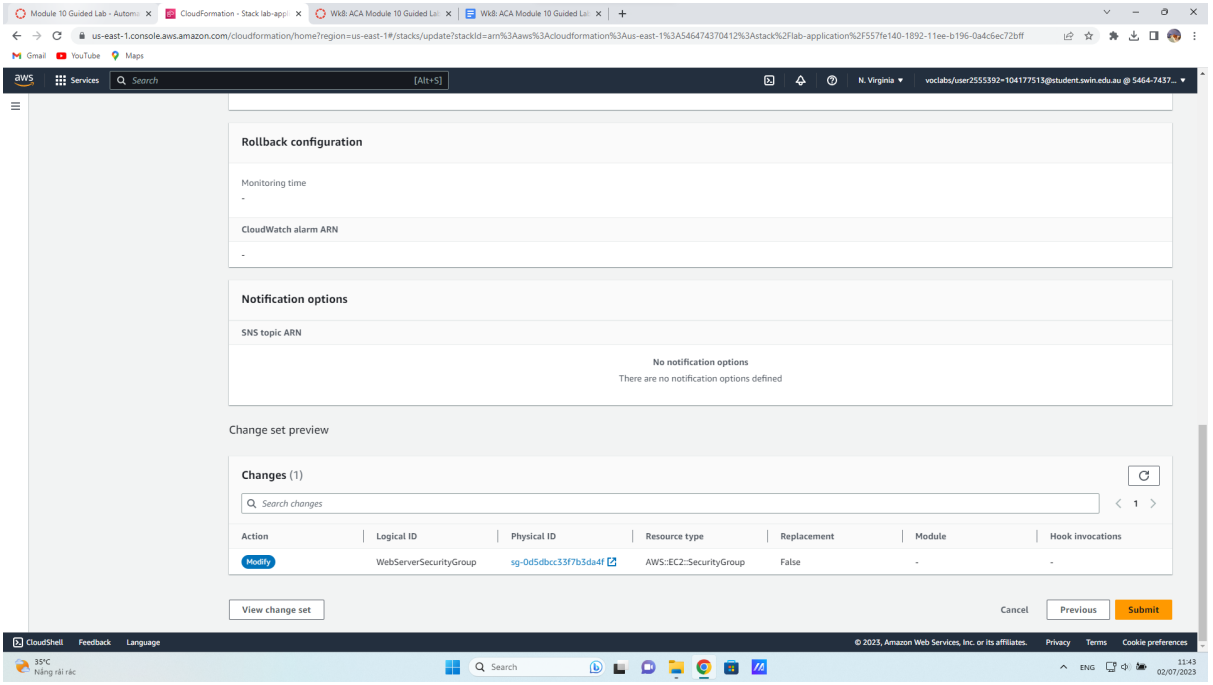


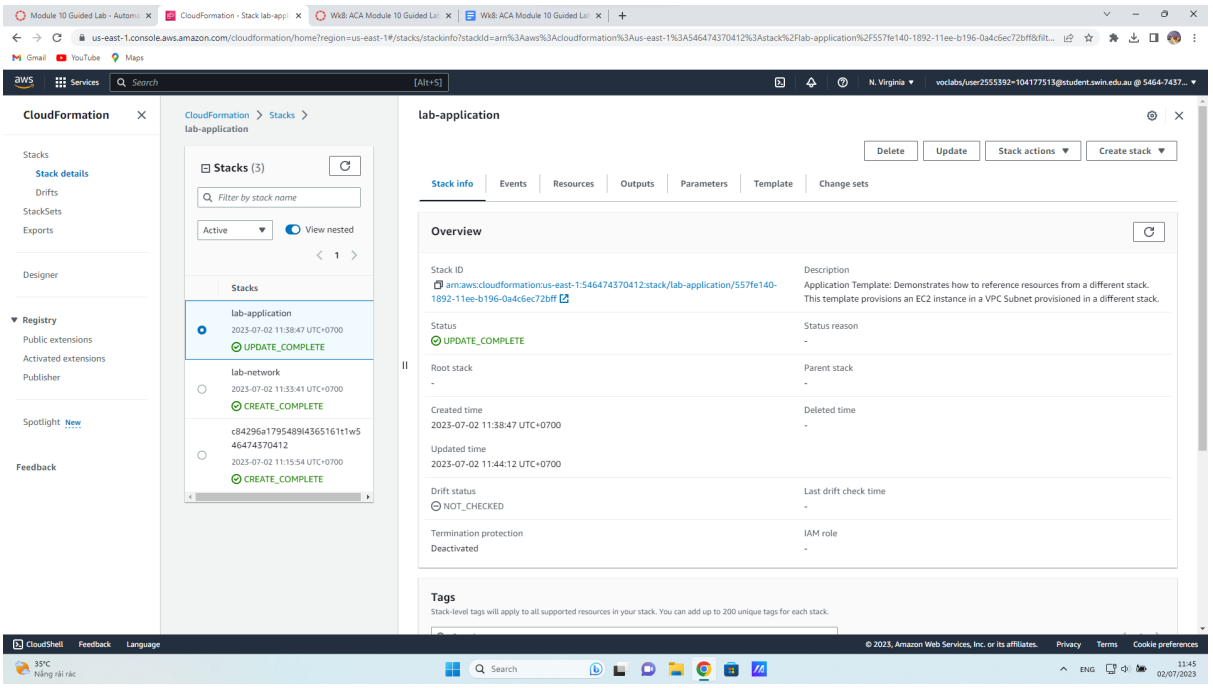


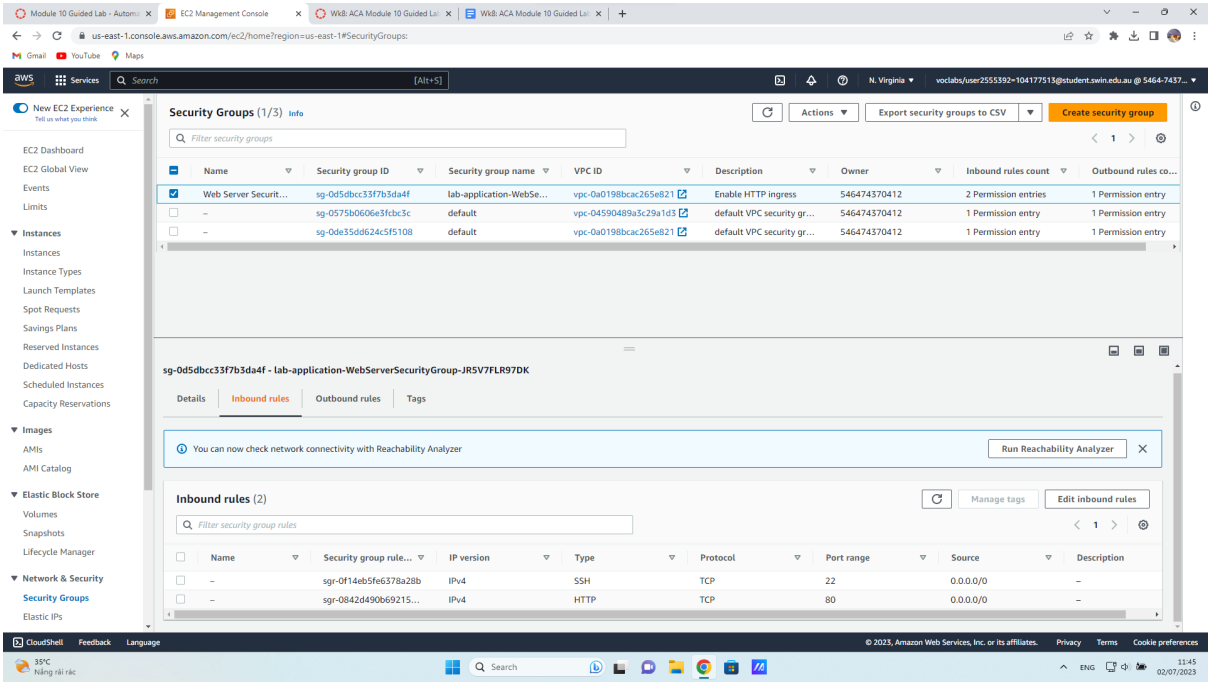
Congratulations, you have successfully launched the AWS CloudFormation sample.

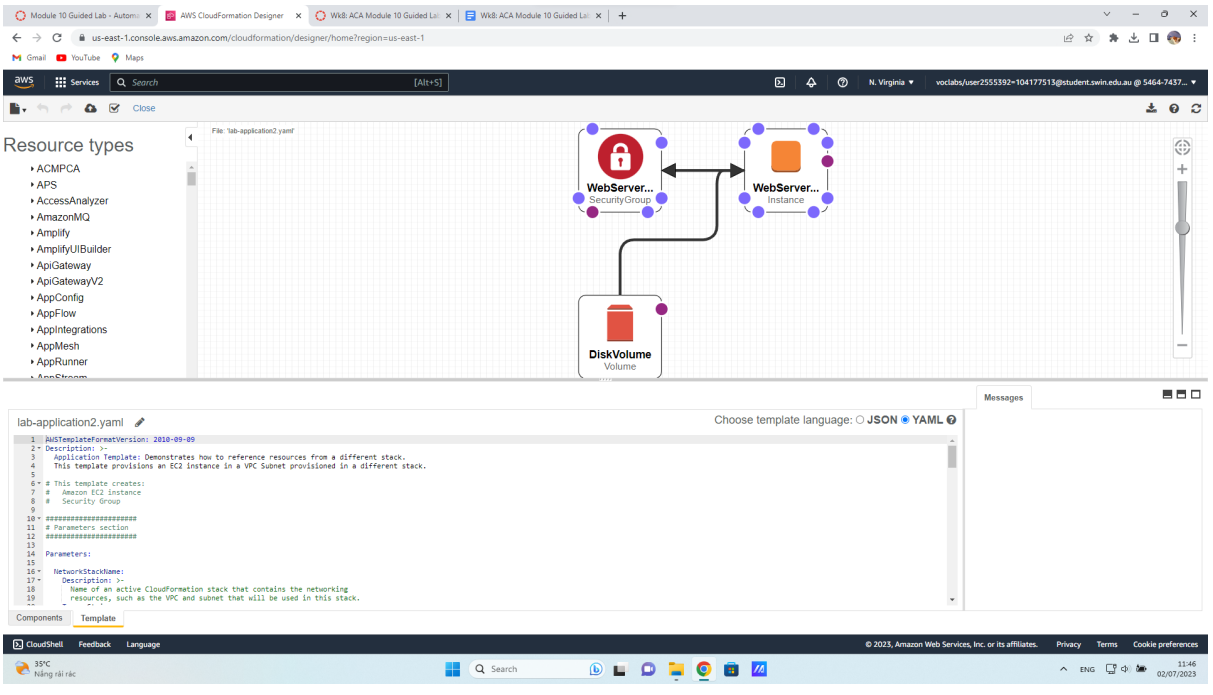

Security Groups (1/3) Info
Actions
Export security groups to CSV
Create security group
Name
Security group ID
Security group name
VPC ID
Description
Owner
Inbound rules count
Outbound rules co...
Web Server Securit...
sg-0d5dbcc33f7b3da4f
lab-application-WebSe...
vpc-0a0198bcac265e821
Enable HTTP ingress
546474370412
1 Permission entry
1 Permission entry
sg-0575b0606e3fcbc3c
default
vpc-04590489a3c29a1d3
default VPC security gr...
546474370412
1 Permission entry
1 Permission entry
sg-0de35dd624c5f5108
default
vpc-0a0198bcac265e821
default VPC security gr...
546474370412
1 Permission entry
1 Permission entry
sg-0d5dbcc33f7b3da4f - lab-application-WebServerSecurityGroup-JR5V7FLR97DK
Details
Inbound rules
Outbound rules
Tags
You can now check network connectivity with Reachability Analyzer
Run Reachability Analyzer
Inbound rules (1/1)
Manage tags
Edit inbound rules
Name
Security group rule...
IP version
Type
Protocol
Port range
Source
Description
sgr-0842d490b69215...
IPv4
HTTP
TCP
80
0.0.0.0/0

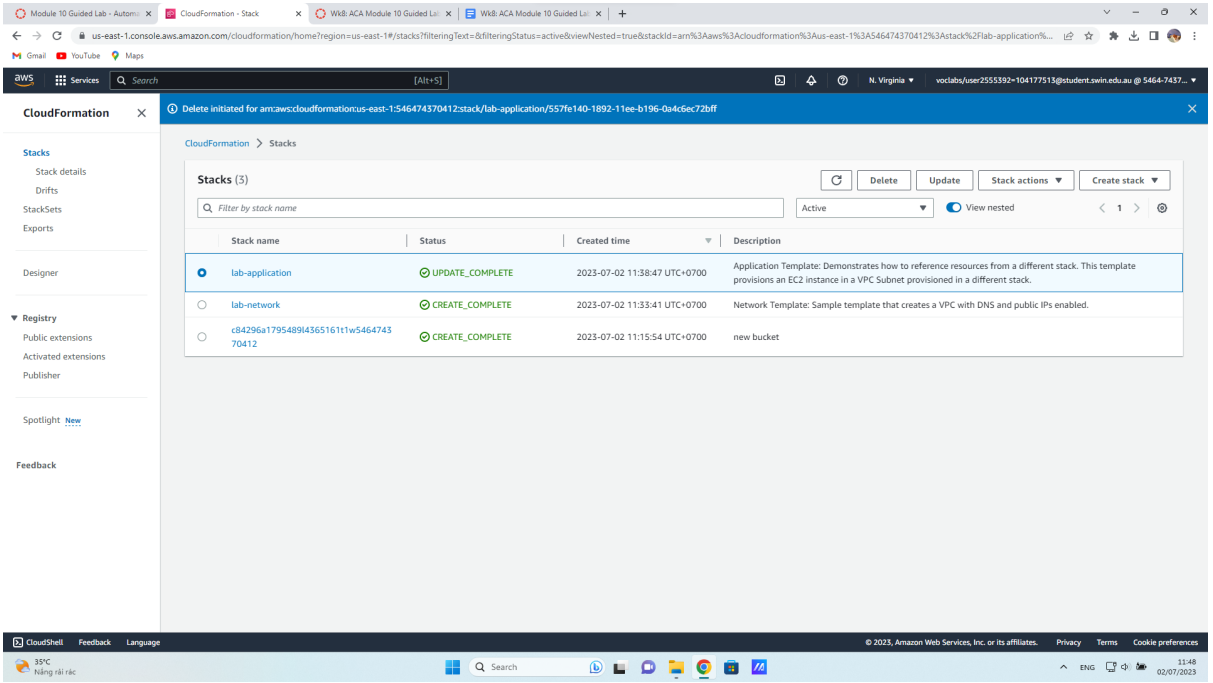

CloudFormation > Stacks > lab-application > Update stack
Update stack
Prerequisite - Prepare template
Prepare template
Every stack is based on a template. A template is a JSON or YAML file that contains configuration information about the AWS resources you want to include in the stack.
Use current template
Replace current template
Edit template in designer
Specify template
A template is a JSON or YAML file that describes your stack's resources and properties.
Template source
Selecting a template generates an Amazon S3 URL where it will be stored.
Amazon S3 URL
Upload a template file
Upload a template file
Choose file
lab-application2.yaml
JSON or YAML formatted file
S3 URL: https://s3.us-east-1.amazonaws.com/cf-templates-8vt1jt2oa63-us-east-1/2023-07-02T044316.386Zy97-lab-application2.yaml
View in Designer
Cancel
Next

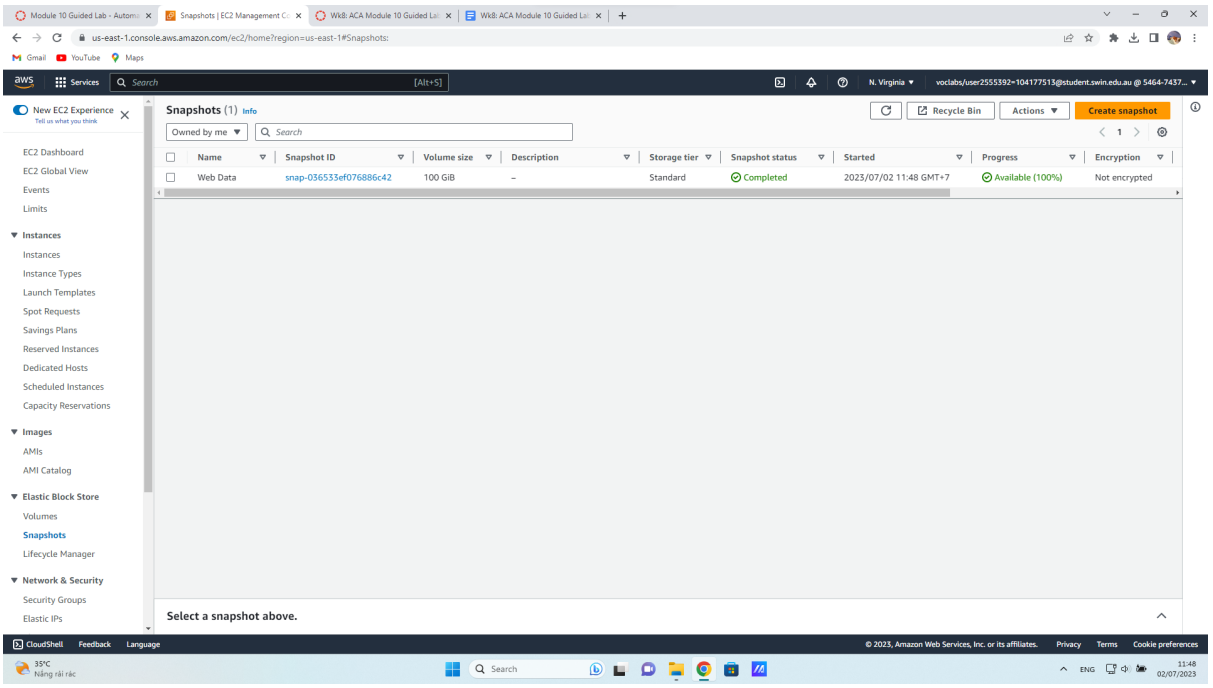

Rollback configuration
Monitoring time
-
CloudWatch alarm ARN
-
Notification options
SNS topic ARN
No notification options
There are no notification options defined
Change set preview
Changes (1)
Search changes
Action
Logical ID
Physical ID
Resource type
Replacement
Module
Hook invocations
Modify
WebServerSecurityGroup
sg-0d5dbcc33f7b3da4f
AWS::EC2::SecurityGroup
False
View change set
Cancel
Previous
Submit


CloudFormation
Stacks
Stack details
Drifts
StackSets
Exports
Designer
Registry
Public extensions
Activated extensions
Publisher
Spotlight
Feedback
CloudFormation > Stacks > lab-application
Stacks (3)
Filter by stack name
Active
View nested
lab-application
2023-07-02 11:38:47 UTC+0700
UPDATE_COMPLETE
lab-network
2023-07-02 11:33:41 UTC+0700
CREATE_COMPLETE
c84296a1795489l4365161t1w546474370412
2023-07-02 11:15:54 UTC+0700
CREATE_COMPLETE
lab-application
Delete
Update
Stack actions
Create stack
Stack info
Events
Resources
Outputs
Parameters
Template
Change sets
Overview
Stack ID
arn:aws:cloudformation:us-east-1:546474370412:stack/lab-application/557fe140-1892-11ee-b196-0a4c6ec72bff
Description
Application Template: Demonstrates how to reference resources from a different stack. This template provisions an EC2 instance in a VPC Subnet provisioned in a different stack.
Status
UPDATE_COMPLETE
Status reason
-
Root stack
-
Parent stack
-
Created time
2023-07-02 11:38:47 UTC+0700
Deleted time
-
Updated time
2023-07-02 11:44:12 UTC+0700
Drift status
NOT_CHECKED
Last drift check time
-
Termination protection
Deactivated
IAM role
-
Tags
Stack-level tags will apply to all supported resources in your stack. You can add up to 200 unique tags for each stack.


Security Groups (1/3) Info
Actions
Export security groups to CSV
Create security group
Name
Security group ID
Security group name
VPC ID
Description
Owner
Inbound rules count
Outbound rules co...
Web Server Securit...
sg-0d5dbcc33f7b3da4f
lab-application-WebSe...
vpc-0a0198bcac265e821
Enable HTTP ingress
546474370412
2 Permission entries
1 Permission entry
sg-0575b0606e3fcbc3c
default
vpc-04590489a3c29a1d3
default VPC security gr...
546474370412
1 Permission entry
1 Permission entry
sg-0de35dd624c5f5108
default
vpc-0a0198bcac265e821
default VPC security gr...
546474370412
1 Permission entry
1 Permission entry
sg-0d5dbcc33f7b3da4f - lab-application-WebServerSecurityGroup-JR5V7FLR97DK
Details
Inbound rules
Outbound rules
Tags
You can now check network connectivity with Reachability Analyzer
Run Reachability Analyzer
Inbound rules (2)
Manage tags
Edit inbound rules
Name
Security group rule...
IP version
Type
Protocol
Port range
Source
Description
sgr-0f14eb5fe6378a28b
IPv4
SSH
TCP
22
0.0.0.0/0
sgr-0842d490b69215...
IPv4
HTTP
TCP
80
0.0.0.0/0


Resource types
ACMPCA
APS
AccessAnalyzer
AmazonMQ
Amplify
AmplifyUIBuilder
ApiGateway
ApiGatewayV2
AppConfig
AppFlow
AppIntegrations
AppMesh
AppRunner
WebServer...
SecurityGroup
WebServer...
Instance
DiskVolume
Volume
lab-application2.yaml
Choose template language: JSON YAML
Messages
Components
Template


CloudFormation
Delete initiated for arn:aws:cloudformation:us-east-1:546474370412:stack/lab-application/557fe140-1892-11ee-b196-0a4c6ec72bff
CloudFormation > Stacks
Stacks (3)
Delete
Update
Stack actions
Create stack
Filter by stack name
Active
View nested
Stack name
Status
Created time
Description
lab-application
UPDATE_COMPLETE
2023-07-02 11:38:47 UTC+0700
Application Template: Demonstrates how to reference resources from a different stack. This template provisions an EC2 instance in a VPC Subnet provisioned in a different stack.
lab-network
CREATE_COMPLETE
2023-07-02 11:33:41 UTC+0700
Network Template: Sample template that creates a VPC with DNS and public IPs enabled.
c84296a1795489l4365161t1w546474370412
CREATE_COMPLETE
2023-07-02 11:15:54 UTC+0700
new bucket


Snapshots (1) Info
Recycle Bin
Actions
Create snapshot
Owned by me
Search
Name
Snapshot ID
Volume size
Description
Storage tier
Snapshot status
Started
Progress
Encryption
Web Data
snap-036533ef076886c42
100 GiB
–
Standard
Completed
2023/07/02 11:48 GMT+7
Available (100%)
Not encrypted
Select a snapshot above.