Module 10 Guided Lab - Automating Infrastructure Deployment with AWS CloudFormation
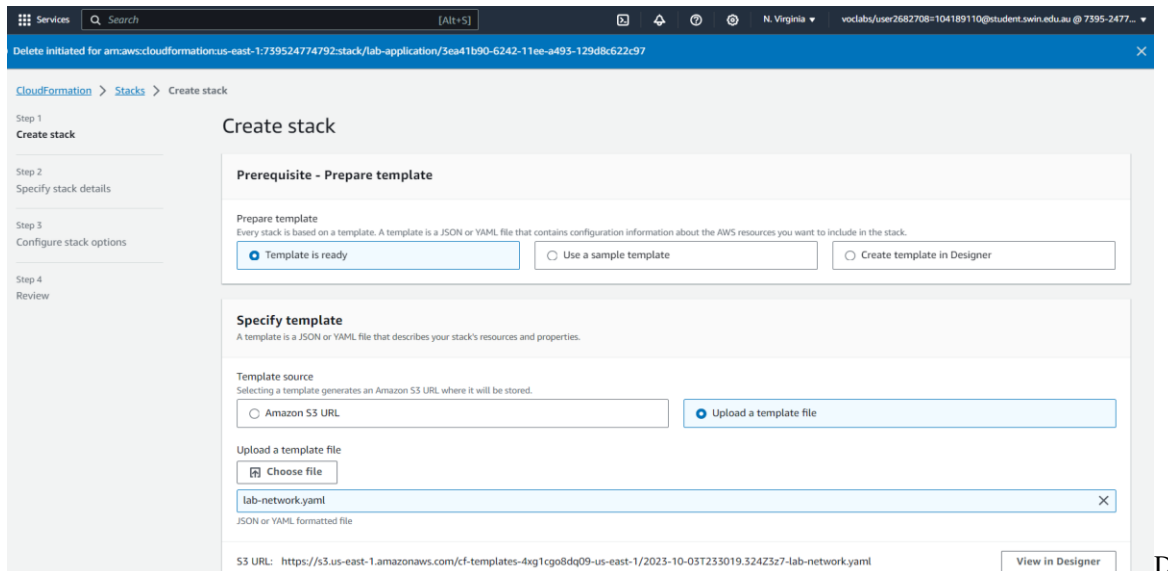
Lab-08

Aaryan Bhati

104189110

Lab session: Friday 4:30-6:30

In this lab we deploy multiple layers of infrastructure with AWS CloudFormation, update a CloudFormation stack, and delete a stack (while retaining some resources).

Task 1 :: Deploying a network layer

Fig 1.1 Uploading template in Could formation

Fig1.2 giving the name to the stack
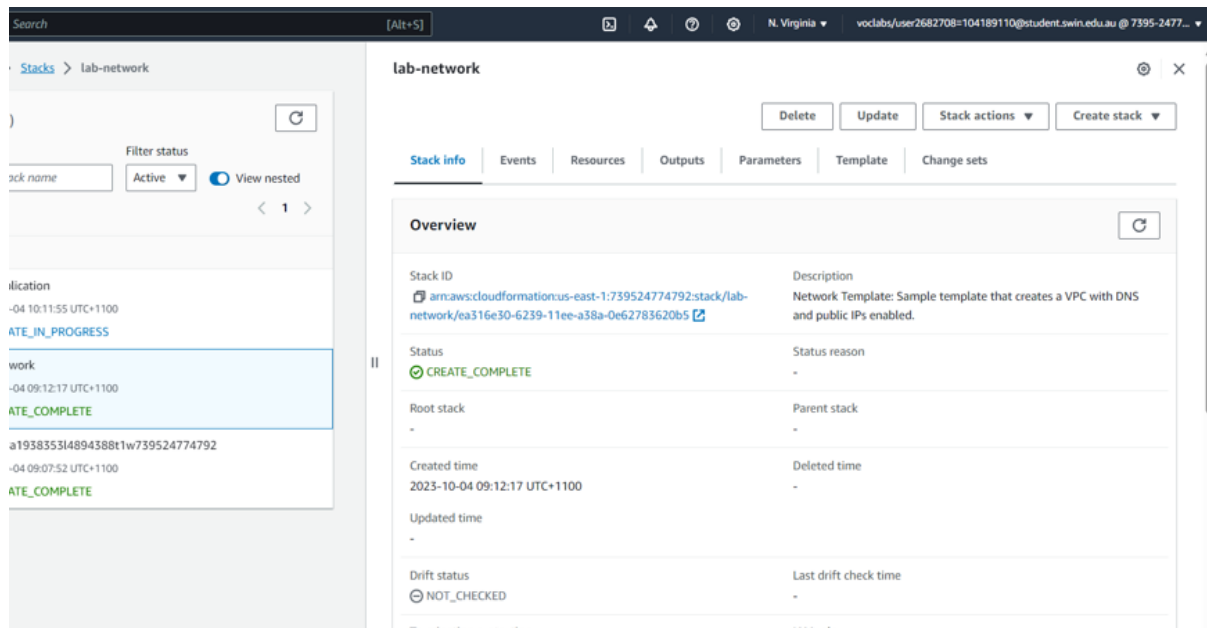

Fig 1.3 Adding Tags

Fig 1.3 confirming the successful creation

Task 2 :: Deploying an application Layer

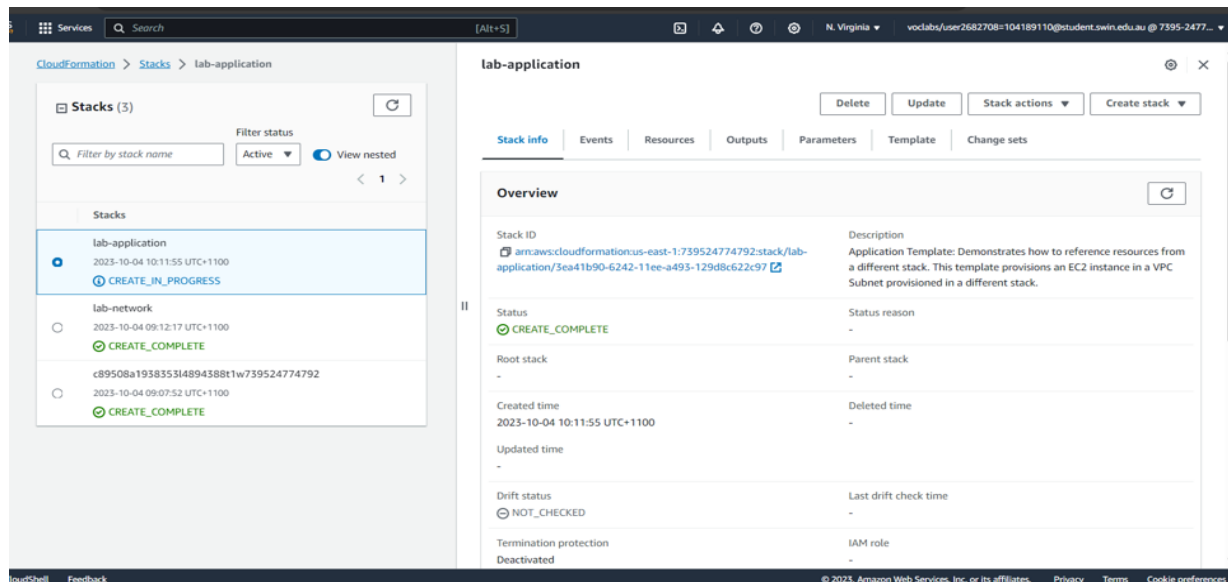Creating application layer same as done in task one but different config file.
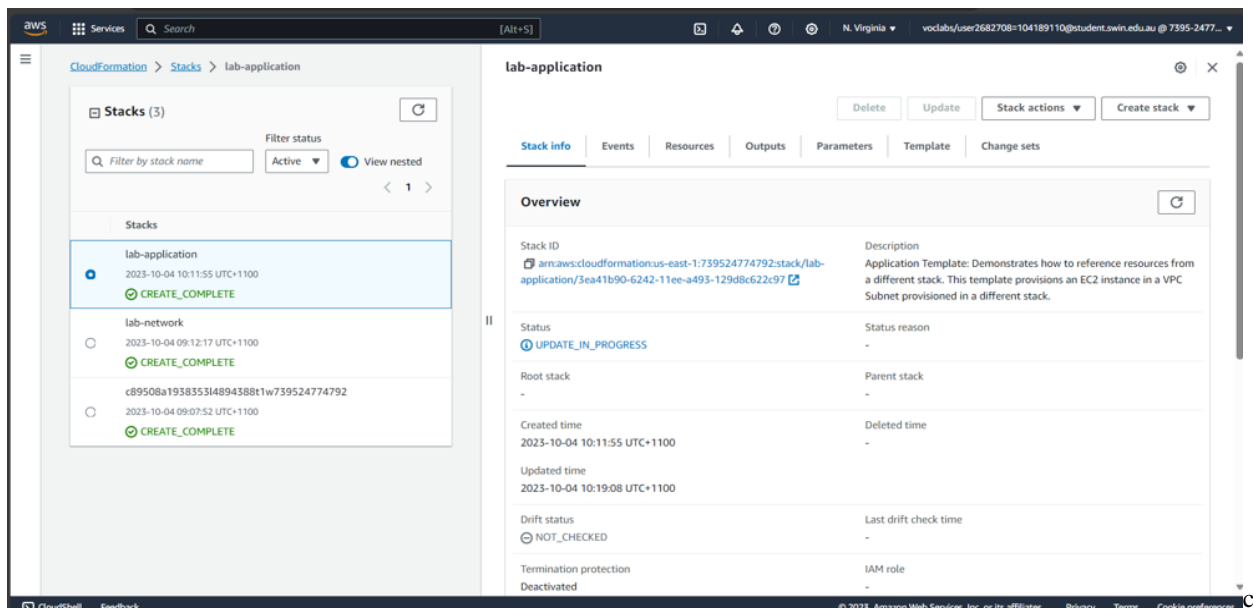

Fig 2.1 Creation in progress

Fig 2.2 successful creation of the application/network layer

Fig 2.3 Copied the URL to open in another browser to check
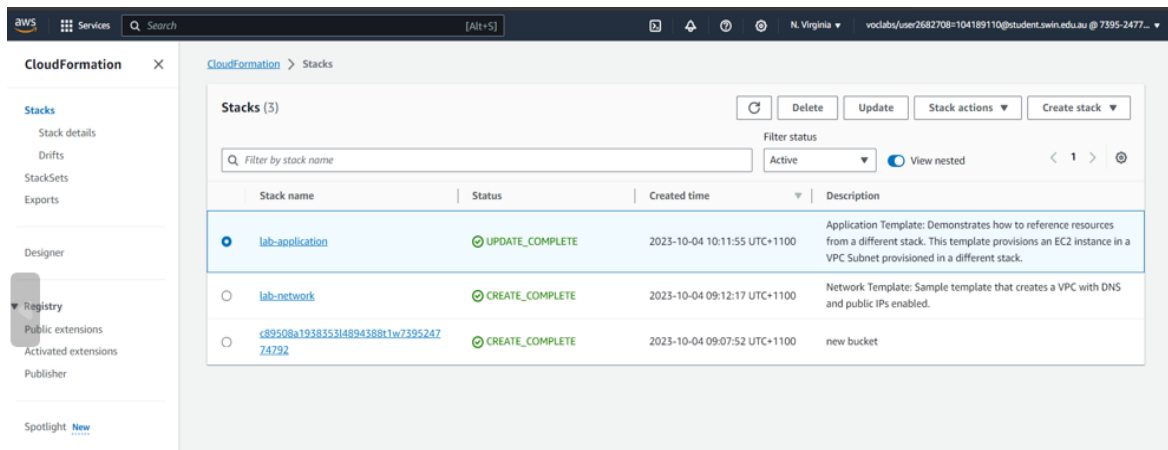
Task 3 :: Updating the stack

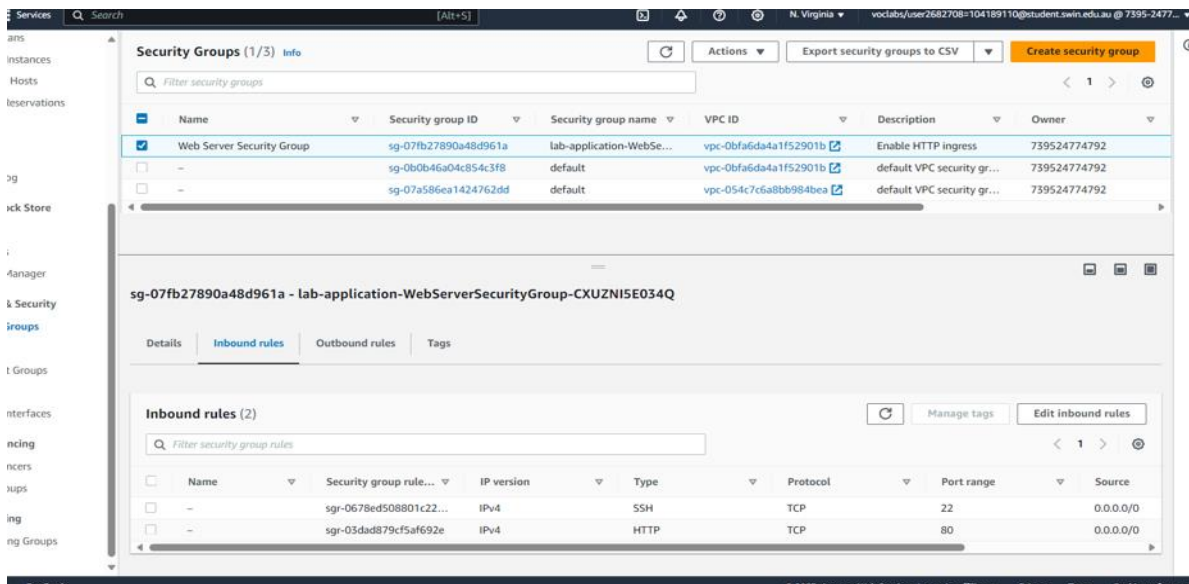*Fig 3.1 Stack update for updating the inbound rule SSH on port 22*

Fig 3.2 New inbound rule

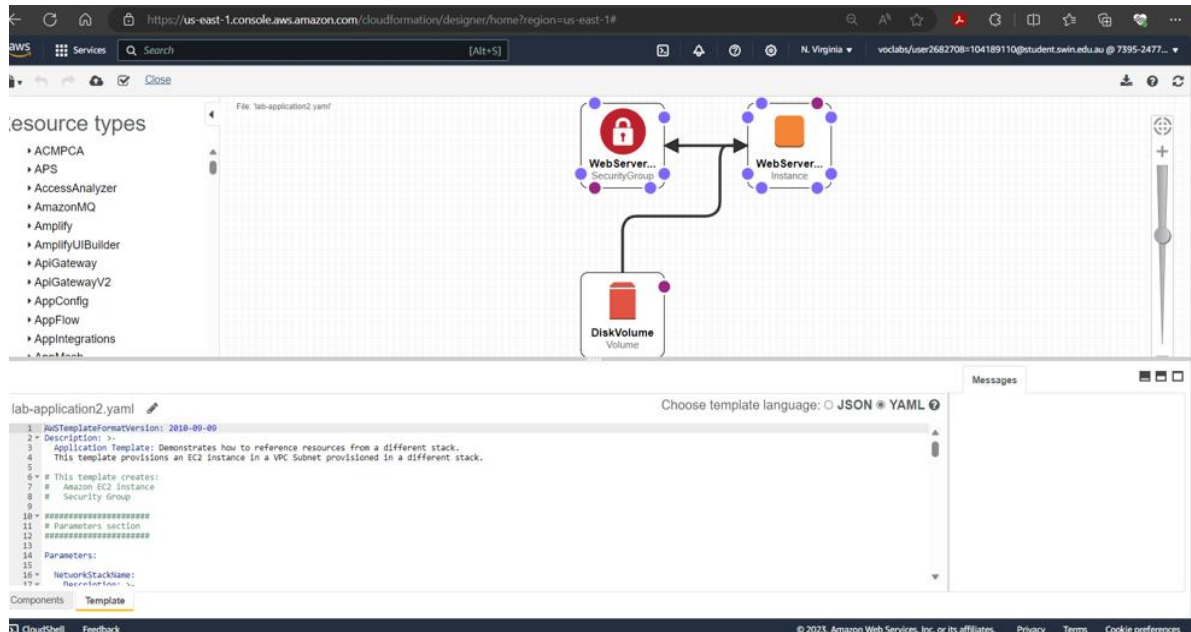Task 4 Exploring templates with AWS cloud formation designer

Fig 4.1 design for the lab-application2.yaml

Task 5 :: Deleting the stack and checking the snapshot

Fig 5.1 deleting the stack
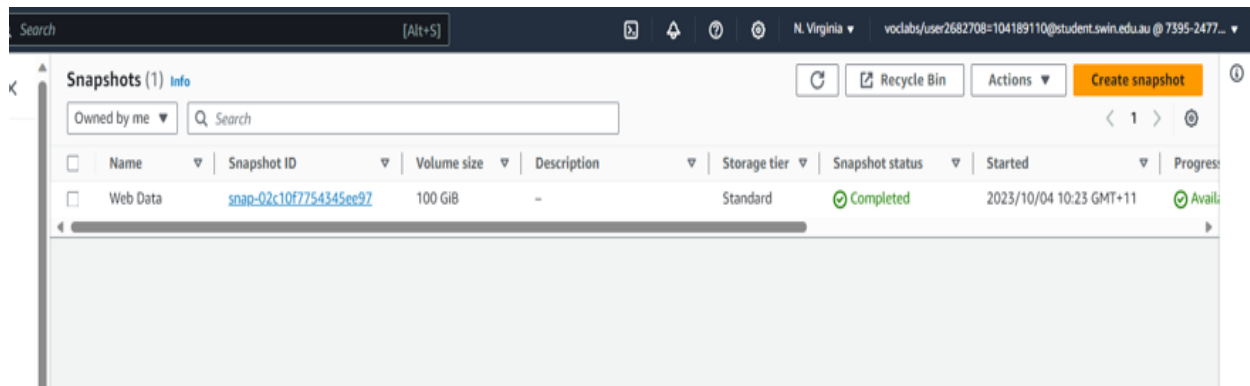
Fig 5.2 checking the snapshot taken (Amazon EBS)

Fig 6.1 submitted and graded