Lab-08

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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

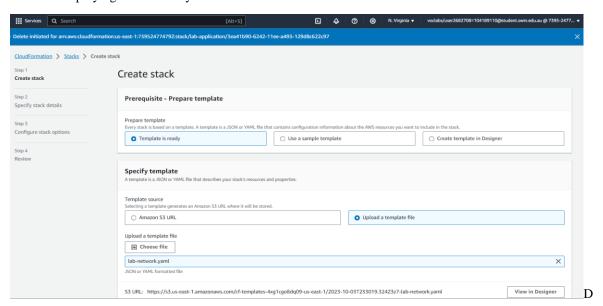


Fig 1.1 Uploading template in Could formation

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ate stac	ck											
	Specify stack details											
	Stack name											
	Stack name											
	lab-network											
	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	e or upda	te a stack									
	No parameters											
	There are i	no parar	neters d	lefined in	ı your te	mplate						
							Cancel Previous Next					

Fig1.2 giving the name to the stack

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ate stack								
Configure stack op	tions							
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.								
Q application Add new tag You can add 49 more tag(s)	×	Value - optional Q inventory			×	Remove		
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								

Fig 1.3 Adding Tags

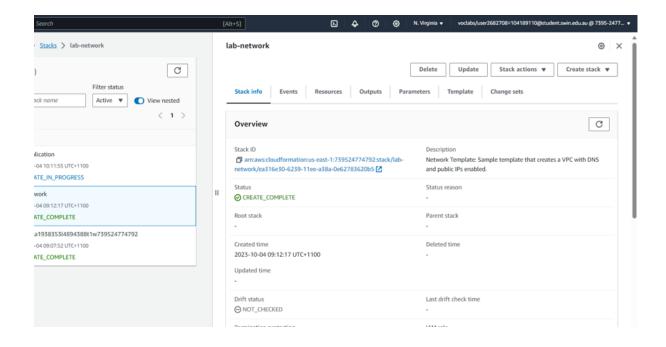


Fig 1.3 confirming the successful creation

Task 2:: Deploying an application Layer

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

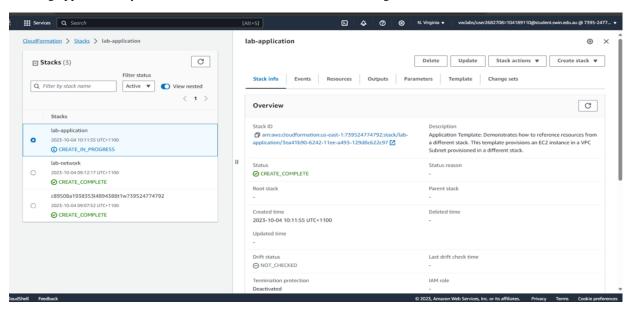


Fig 2.1 Creation in progress

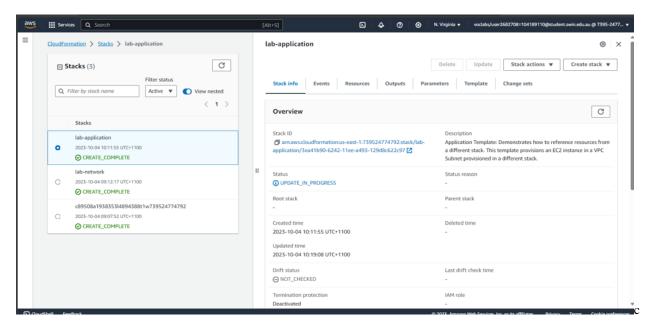


Fig 2.2 successful creation of the application/network layer



Congratulations, you have successfully launched the AWS CloudFormation sample.

Fig 2.3 Copied the URL to open in another browser to check

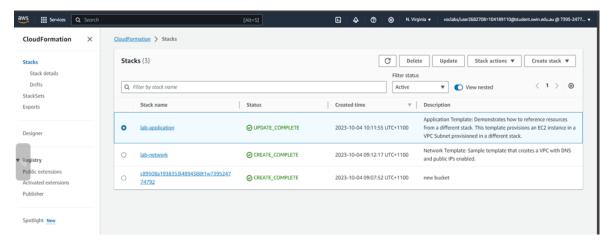


Fig 3.1 Stack update for updating the inbound rule SSH on port 22

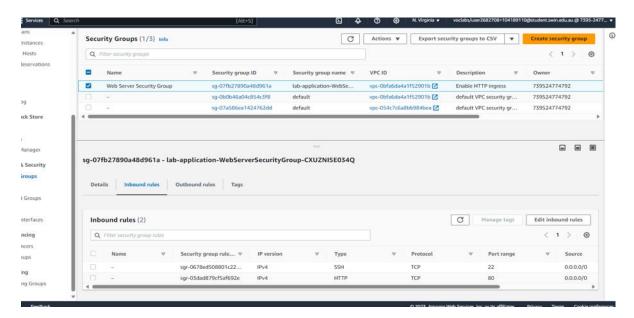


Fig 3.2 New inbound rule

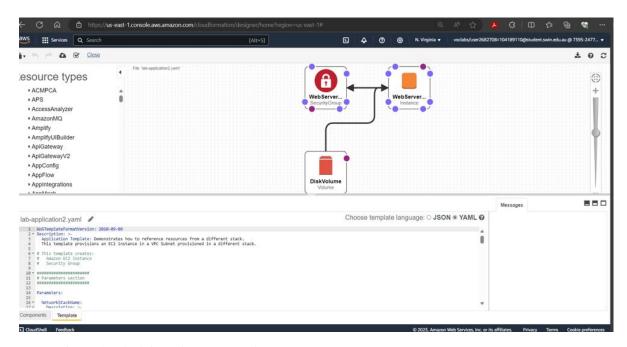


Fig 4.1 design for the lab-application2.yaml

Task 5:: Deleting the stack and checking the snapshot

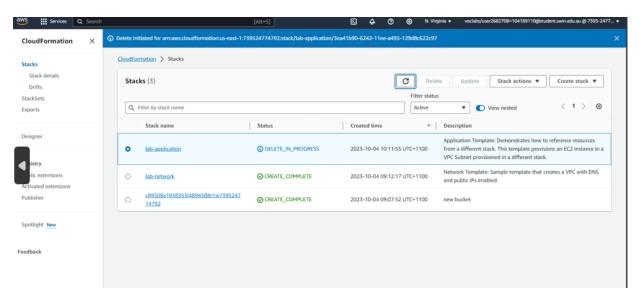


Fig 5.1 deleting the stack

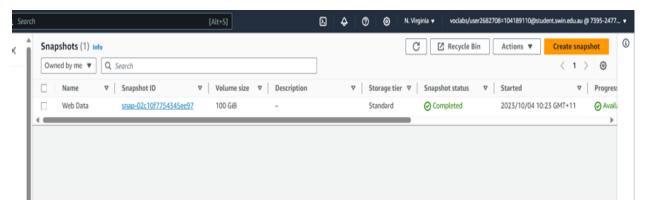


Fig 5.2 checking the snapshot taken (Amazon EBS)

Submission

Oct 4 at 10:25am

Submission Details

Grade: 100 (100 pts possible) Graded Anonymously: no

Comments: No Comments

Fig 6.1 submitted and graded