AWS CloudSpace Academy Class promotion:

AWS Cloud & DevOps Engineer 2025

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Course:IAAC AWS CLOUDFORMATION homework
Teacher: Claudio Sidi

Description

- Create an **EC2 instance** resource.
- Create a **Security Group** resource [open port 80 to the internet lock down port 22 to your personal IP address].
- Create an **Elastic IP** resource.
- Attach your Security Group and Elastic IP resources to your EC2 instance.
- Create a **Mappings** for Instance Type with the following instance type families [t2.micro, t3.micro, m1.small, m1.large].
- Create a **Parameter** for the following EC2 properties [ImageId, KeyName, SubnetId, SecurityGroupIds].
- Create an **Outputs** section in your template to display the Security Group Name or ID, EC2 Instance of your resource.

Build on top of your previous homework template.

Important:

Make use of parameters as much as possible.

Reach out to your cluster members if you encounter an issue before reaching out to instructors.

1)Here is an empty template which i will be using to do the above home work

AWSTemplateFormatVersion: 2010-09-09

Description: My First EC2 Template with SG and EIP

Parameters:

You define inputs here

Mappings:

You define lookup tables her

Resources:

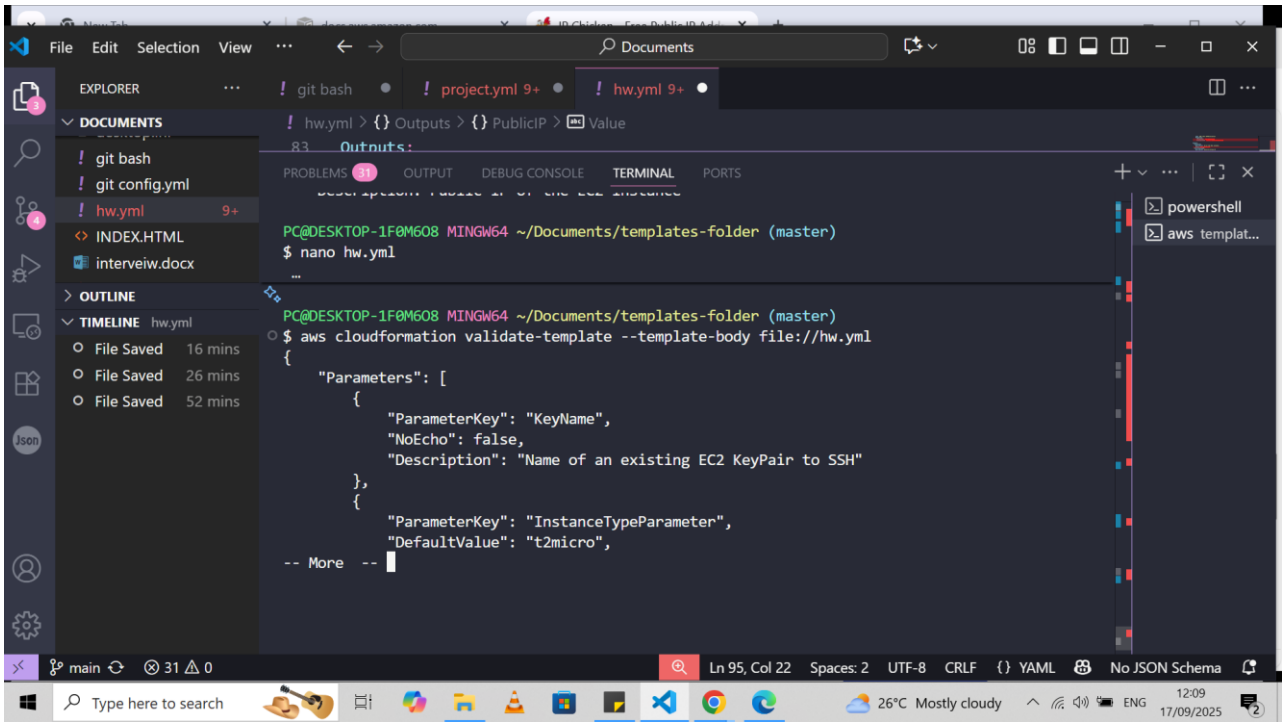
You create your AWS resources here

Outputs:

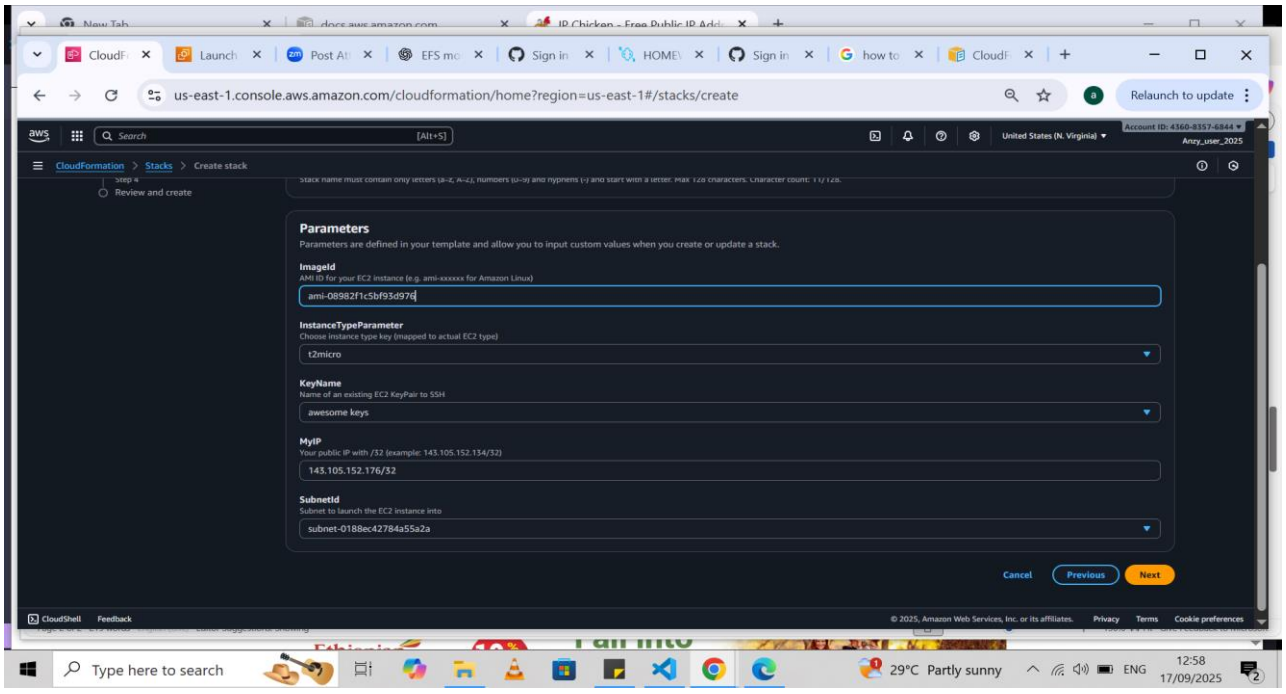
You display important info here

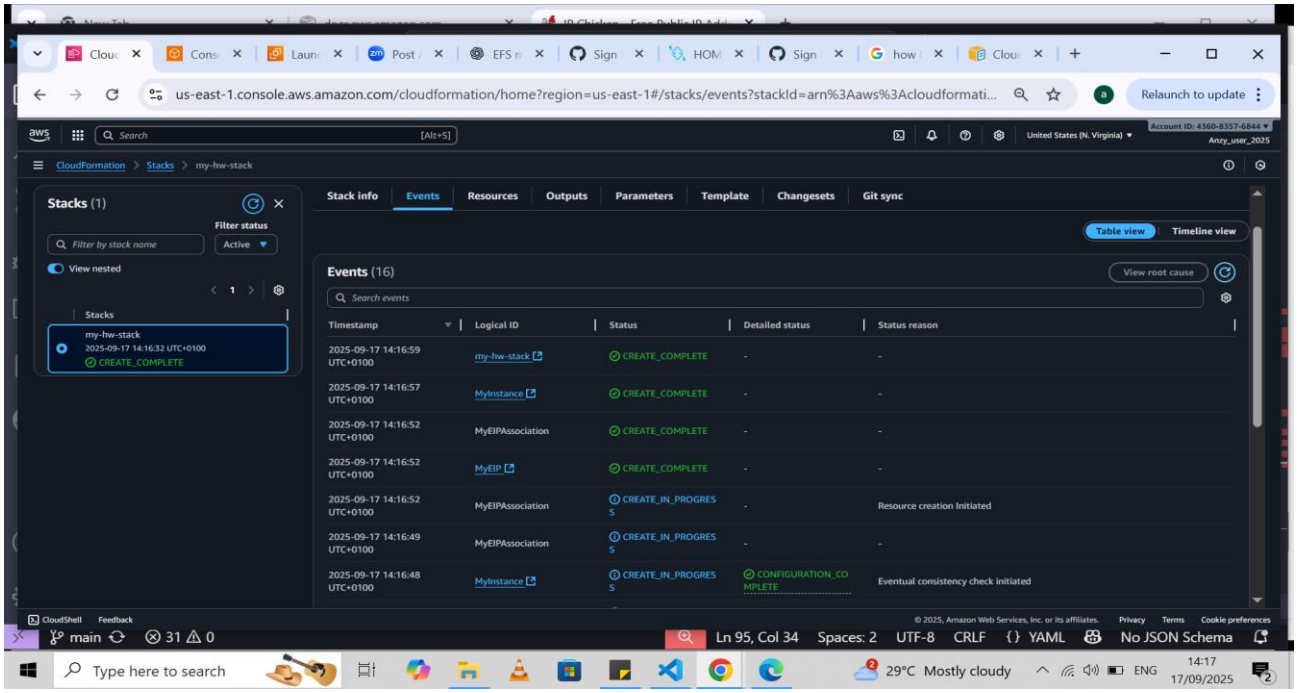
Manually build this template section by section:

Then validate it using : aws cloudformation validate-template --template-body file://hw.yml

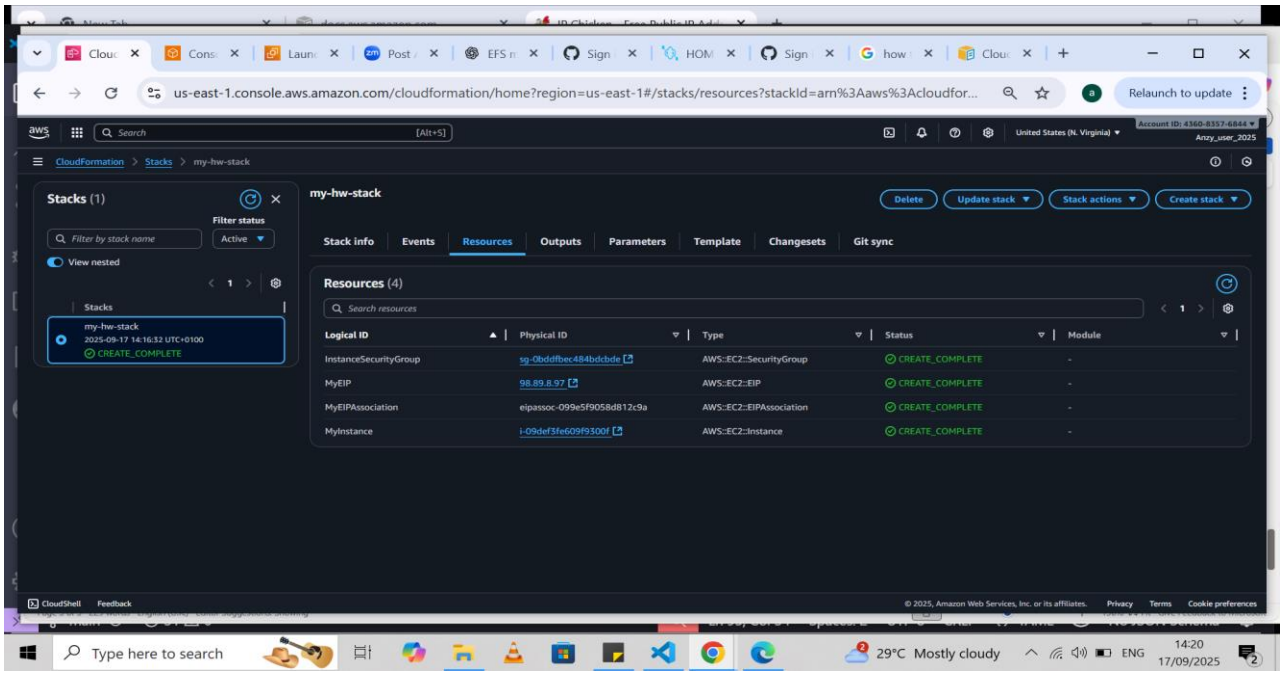


Create a stack and input the parameters details during creation.

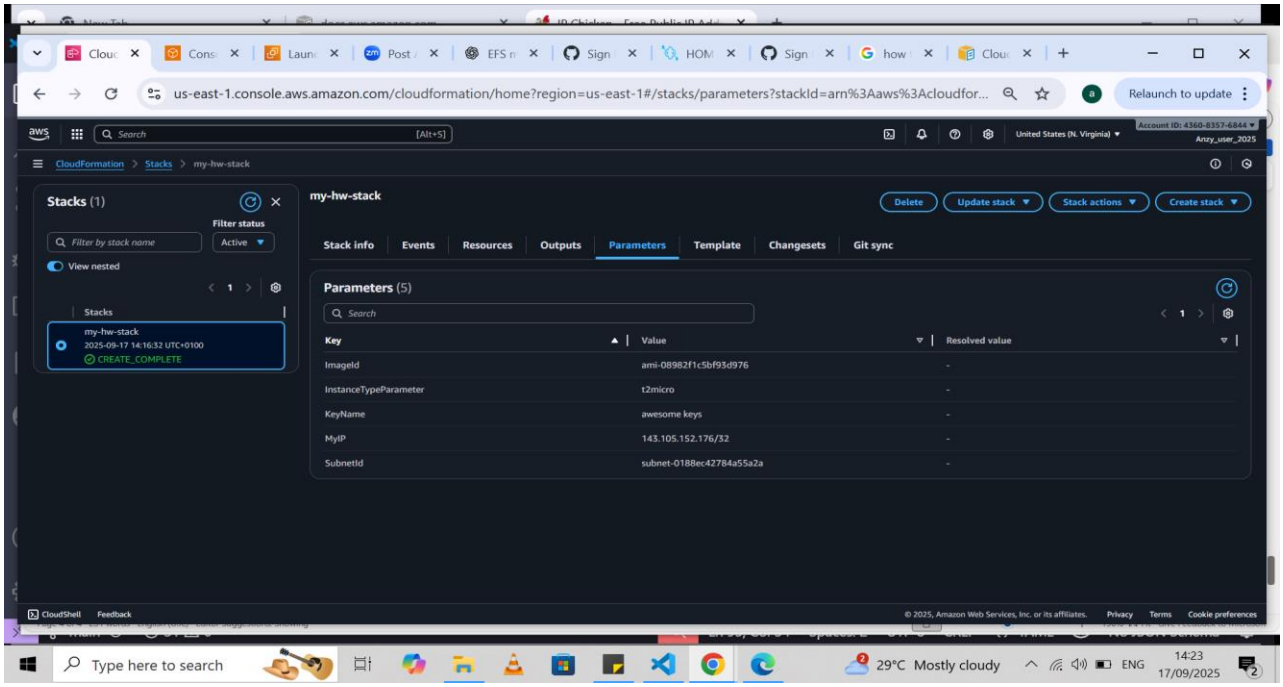




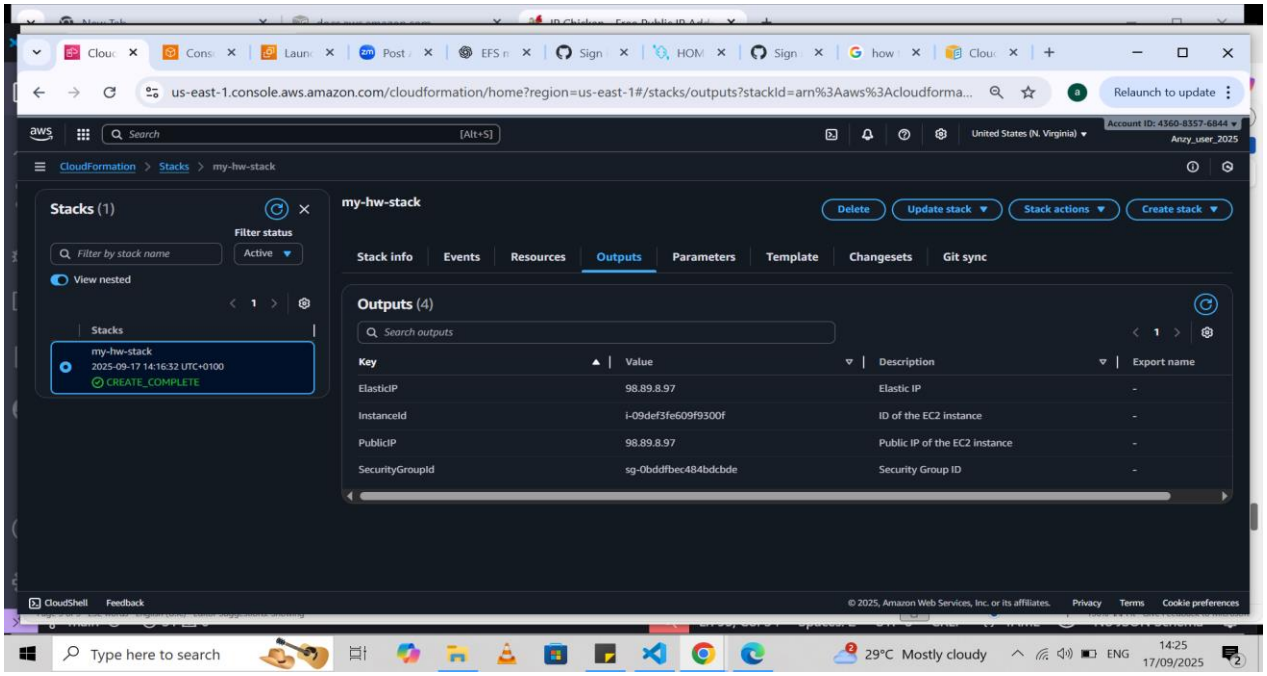
Resources:



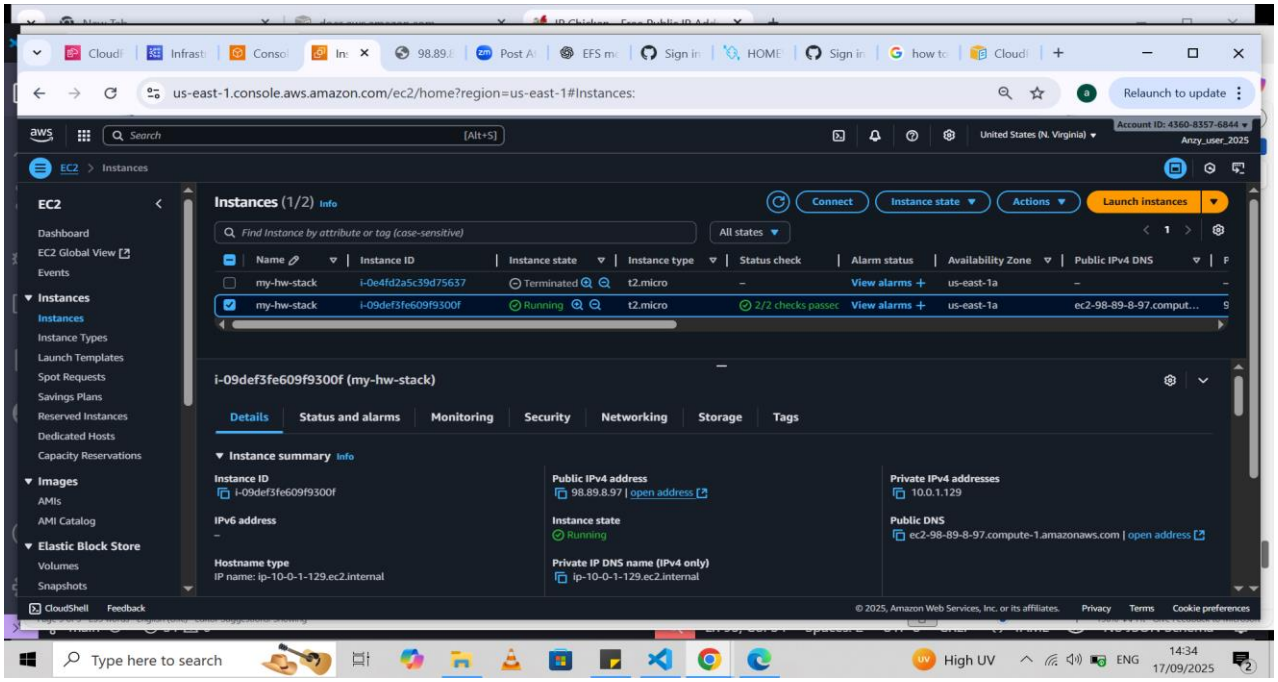
Parameters:



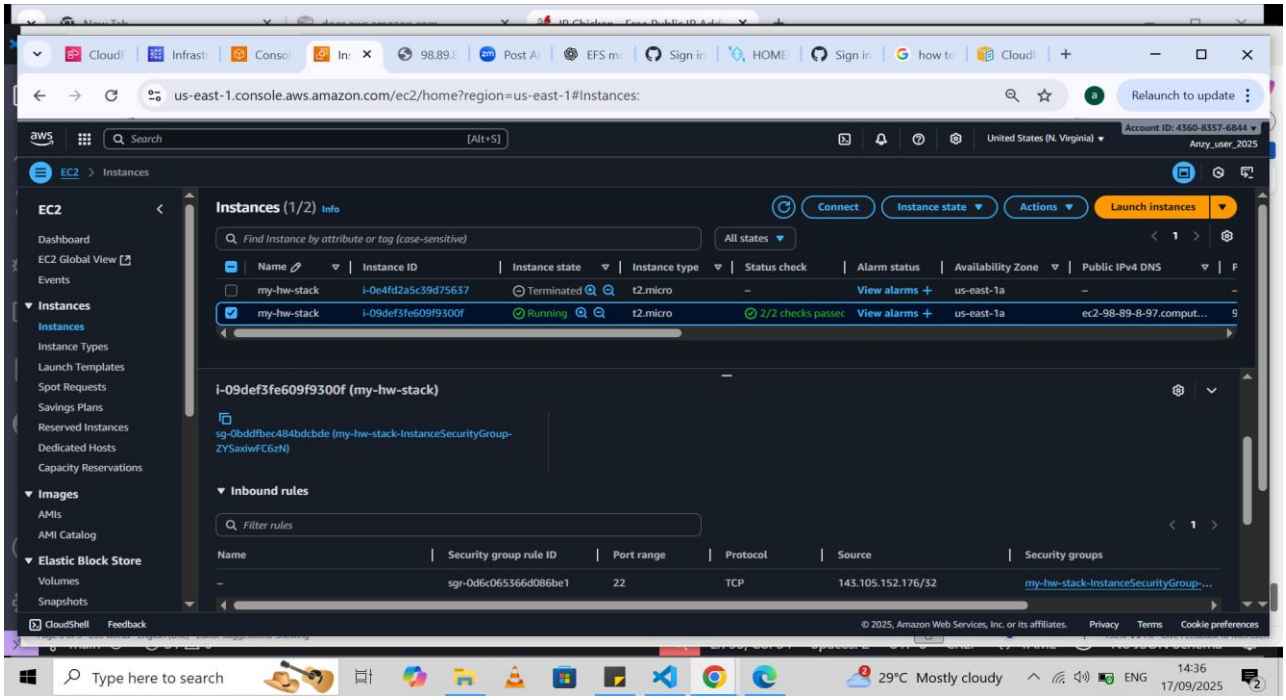
Outputs:



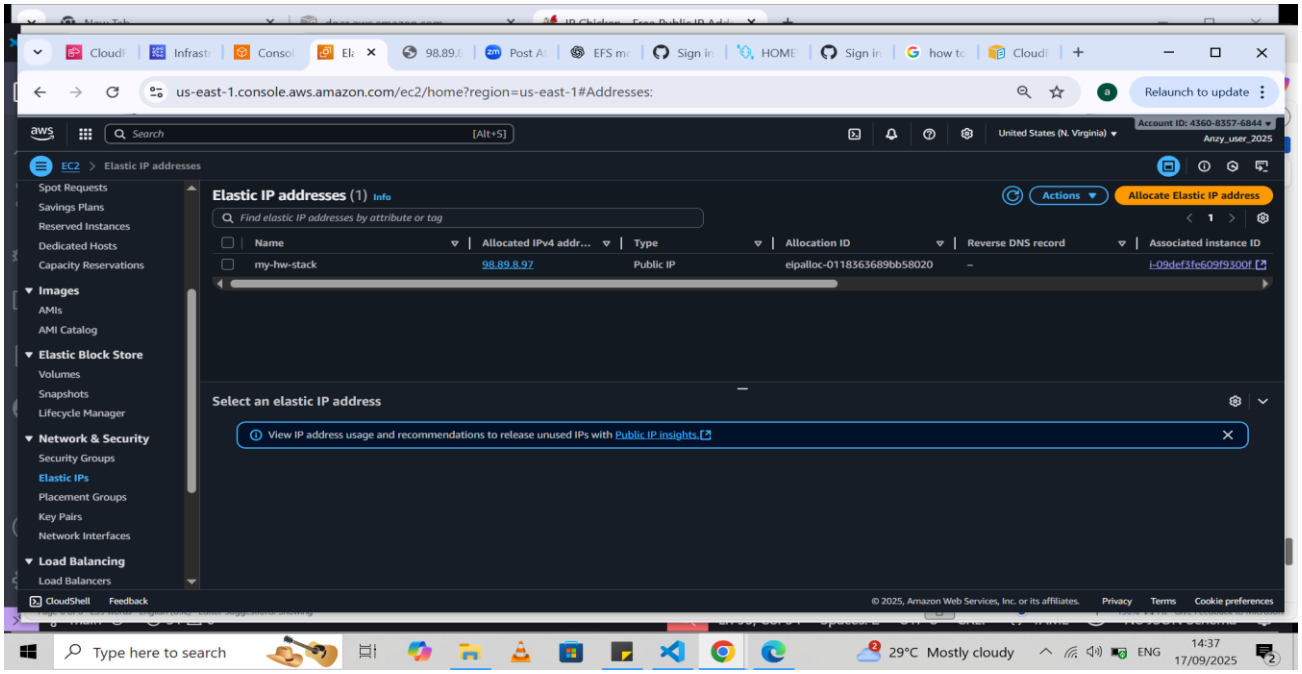
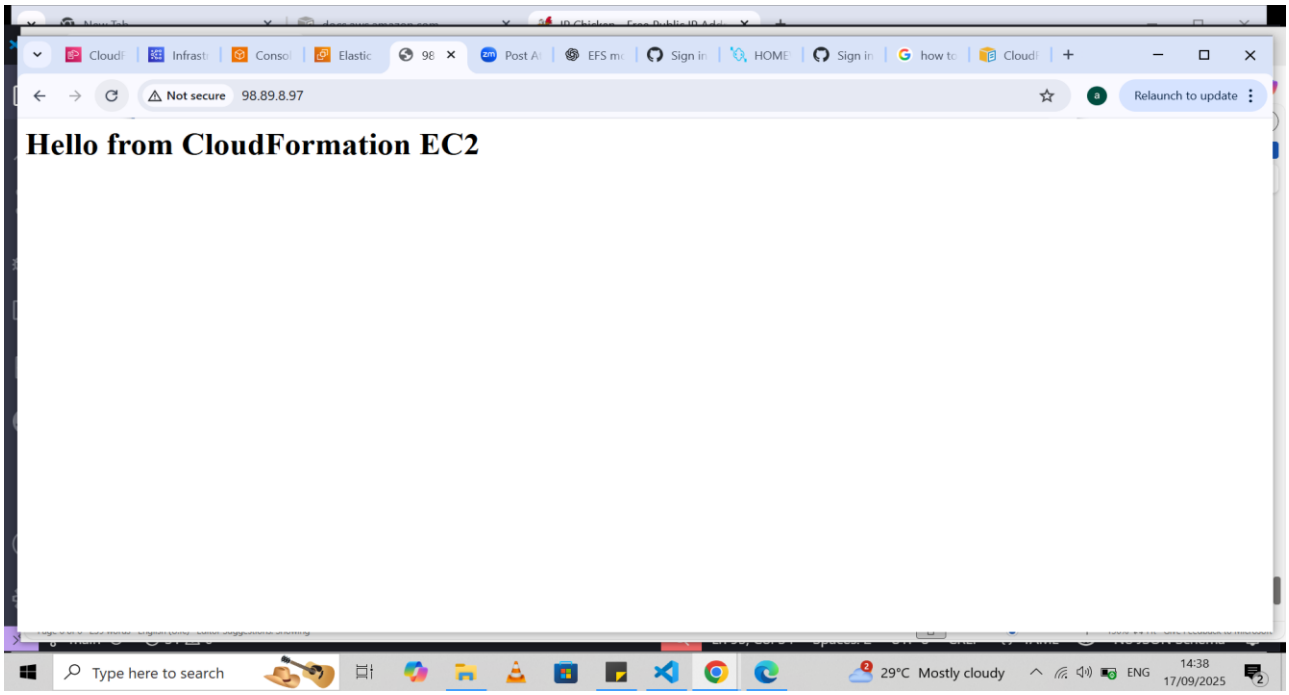
Checking resouces created



Security group:



My EIP:



Testing the website using the public ip