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2KE20CS032

Assignment 47

Understood. To follow the provided instructions and create the files/directory using the same name and case as provided in the task steps, please provide me with the specific names and case instructions for the files/directory you want to create.

AWS

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Assignment: 1 : Auto Deployment using Cloudformation Template

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Note** initally I had aws image in which I have installed nginx I used it

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Cloud formation template in yaml

1.Open the delta-vpc-cfn.yaml that is attached in this link

https://drive.google.com/file/d/1id50jMv1Md1Ctxk2hNNdfMrfaQVk8W76/view?usp=

sharing

2.Go through the file and understand the code

3. You need to couple of resources in the yaml file for creating security group and instance of Type: AWS::EC2::SecurityGroup & Type: AWS::EC2::Instance

4.You need to use Nginx ami image id for instance creation.

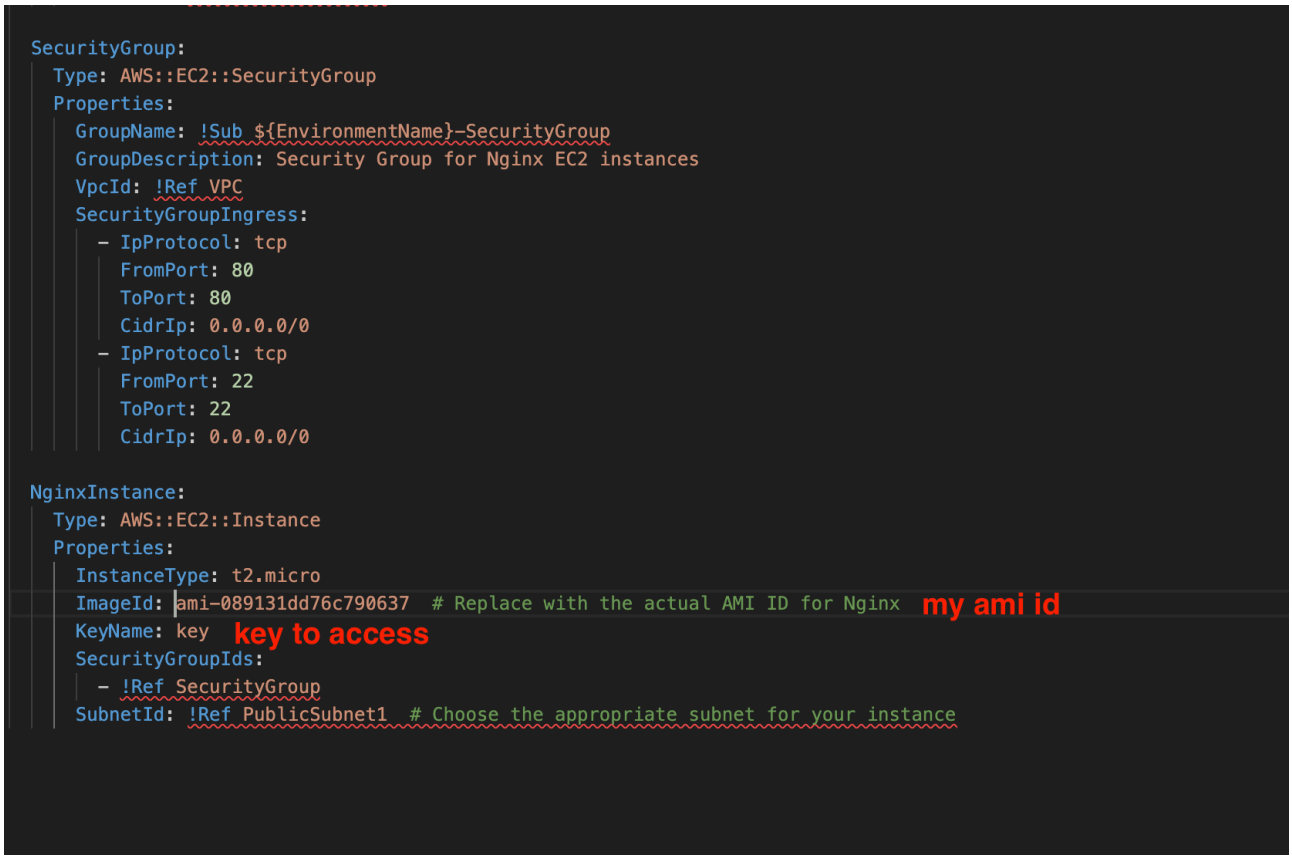
5. you need to allow port 80 as inbound and outbound, port 22 as inbound

6.Once you added these resources you can save the file

7. You can use this AWS link for vour reference to add the resources

https://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/aws-properti es-ec2-security-group.html

https://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/aws-properti es-ec2-instance.html



8. Navigate to Launch templates(Ec2 feature)
9. Navigate to Cloud formation page
10. Click on create stack
11. In the Template source select upload a template file
12. Choose the modified codebuild-vpc-cfn.yaml click on "Next"
13. Provide the stack name
14. In the Parameters you can change EnvironmentName to your desired name
15. Click 'Next'
16. You can add the tags, leave other options as default and click "Next"
17. Review your stack details once and you can click on create stack
18. You can see the status of the stack when it started creating

Specify stack details

Provide a stack name

Stack name

nginx-deployment-cloudformation

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.

EnvironmentName

An environment name that is prefixed to resource names

Marak-CFN

PrivateSubnet1CIDR

Please enter the IP range (CIDR notation) for the private subnet in the first Availability Zone

10.10.101.0/24

PrivateSubnet2CIDR

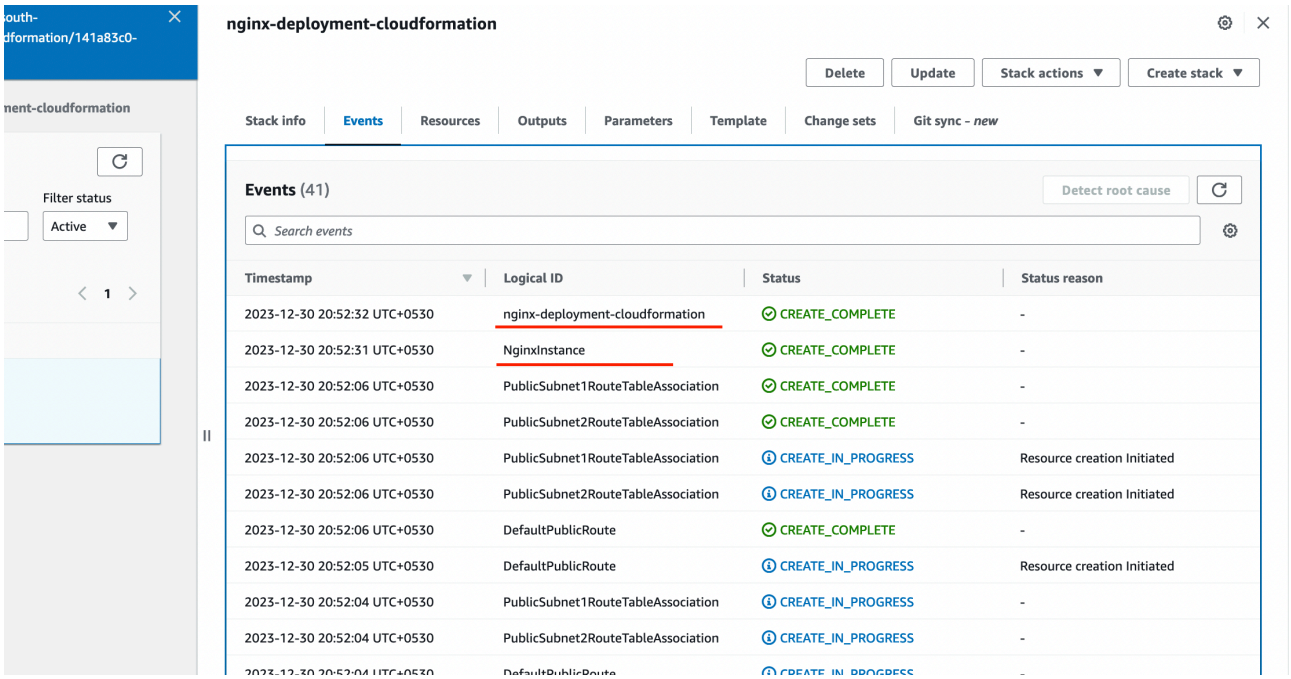
Please enter the IP range (CIDR notation) for the private subnet in the second Availability Zone

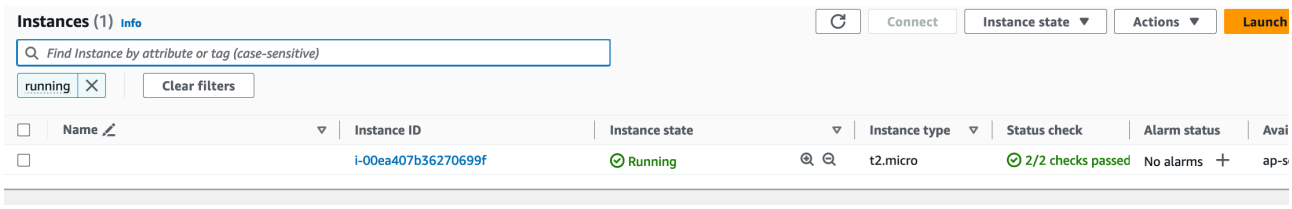
10.10.201.0/24

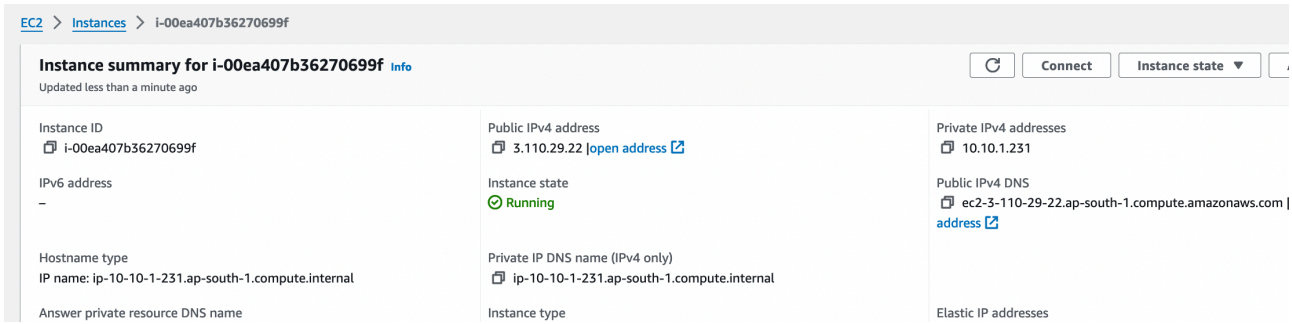
PublicSubnet1CIDR

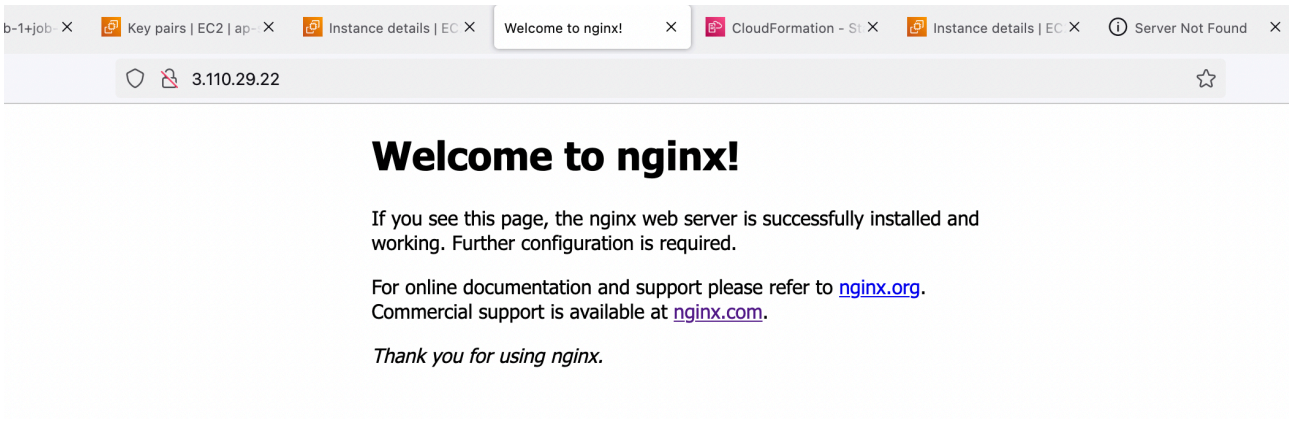
Please enter the IP range (CIDR notation) for the public subnet in the first Availability Zone

10.10.1.0/24






EC2 > Instances > i-00ea407b36270699f
Instance summary for i-00ea407b36270699f Info
Updated less than a minute ago
Connect
Instance state
Instance ID
i-00ea407b36270699f
Public IPv4 address
3.110.29.22 |open address
Private IPv4 addresses
10.10.1.231
IPv6 address
–
Instance state
Running
Public IPv4 DNS
ec2-3-110-29-22.ap-south-1.compute.amazonaws.com |
address
Hostname type
IP name: ip-10-10-1-231.ap-south-1.compute.internal
Private IP DNS name (IPv4 only)
ip-10-10-1-231.ap-south-1.compute.internal
Answer private resource DNS name
Instance type
Elastic IP addresses


Key pairs | EC2 | ap-
Instance details | EC
Welcome to nginx!
CloudFormation - St
Instance details | EC
Server Not Found
3.110.29.22
Welcome to nginx!
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.
For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.
Thank you for using nginx.