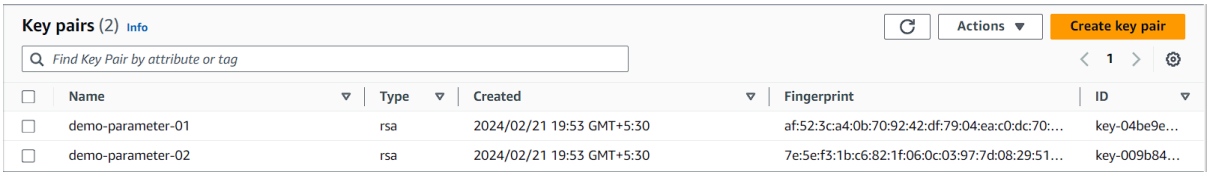
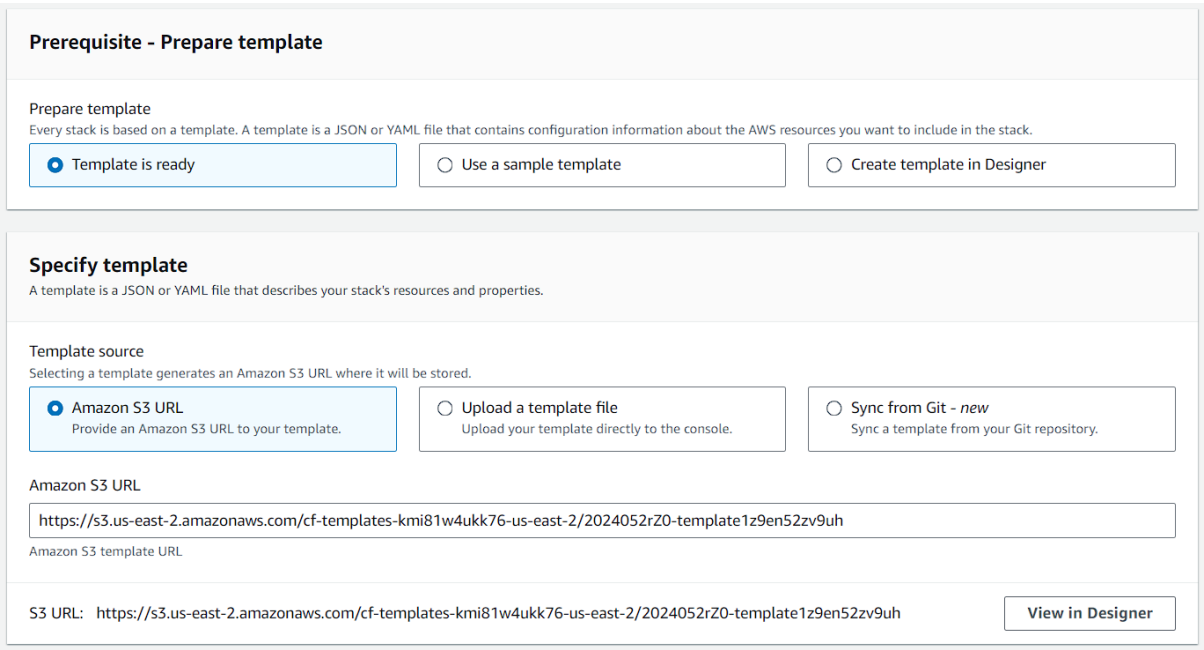
😊 Parameters

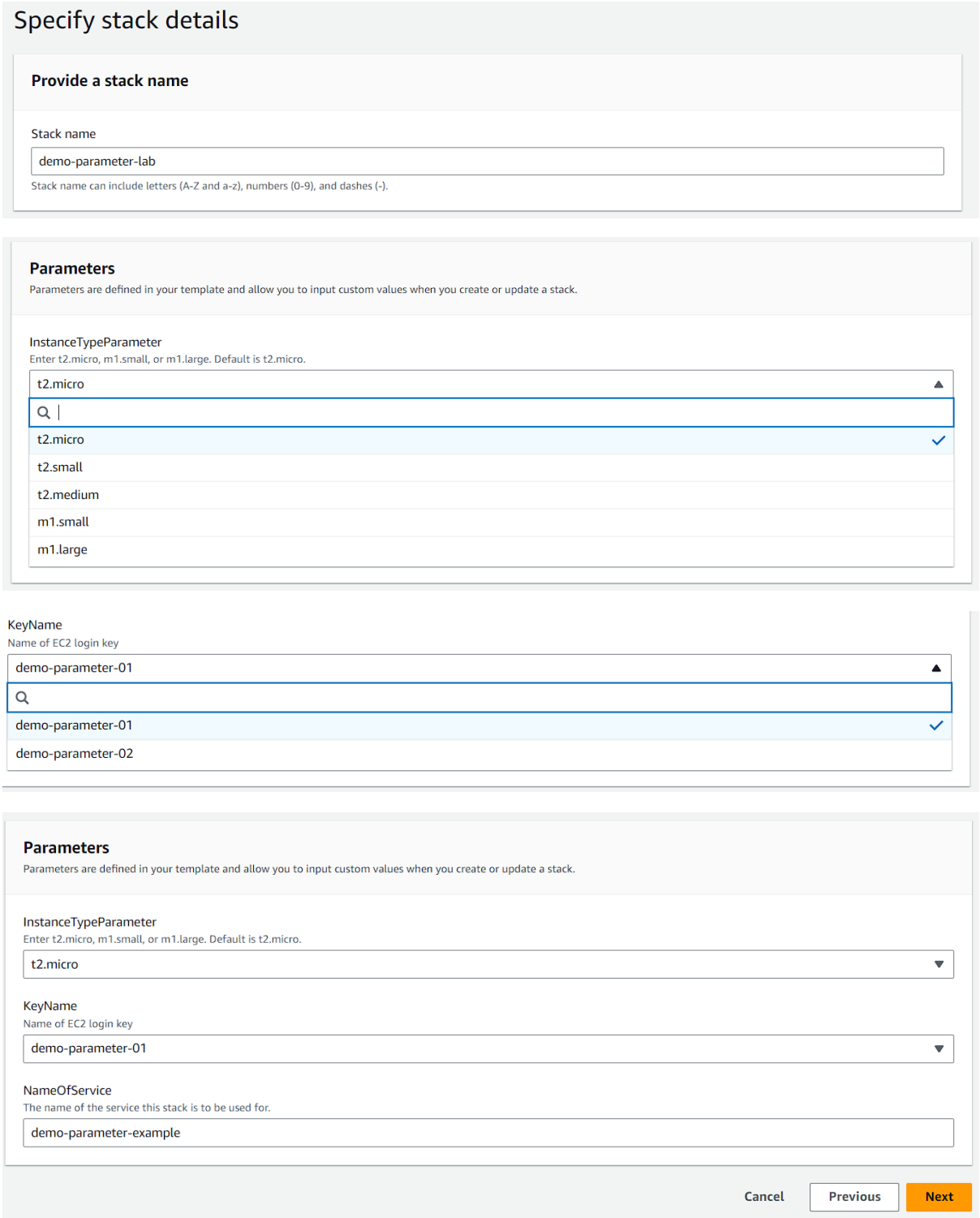
1. In this lab you are going to learn about parameters.
2. While you're creating CloudFormation stack you see parameters option there. We'll see in this lab how we can give user power of entering some parameters. So, we can use two parameters key pair and the instance type.
3. First before you go to CloudFormation, navigate to EC2 and create 2 key pairs.



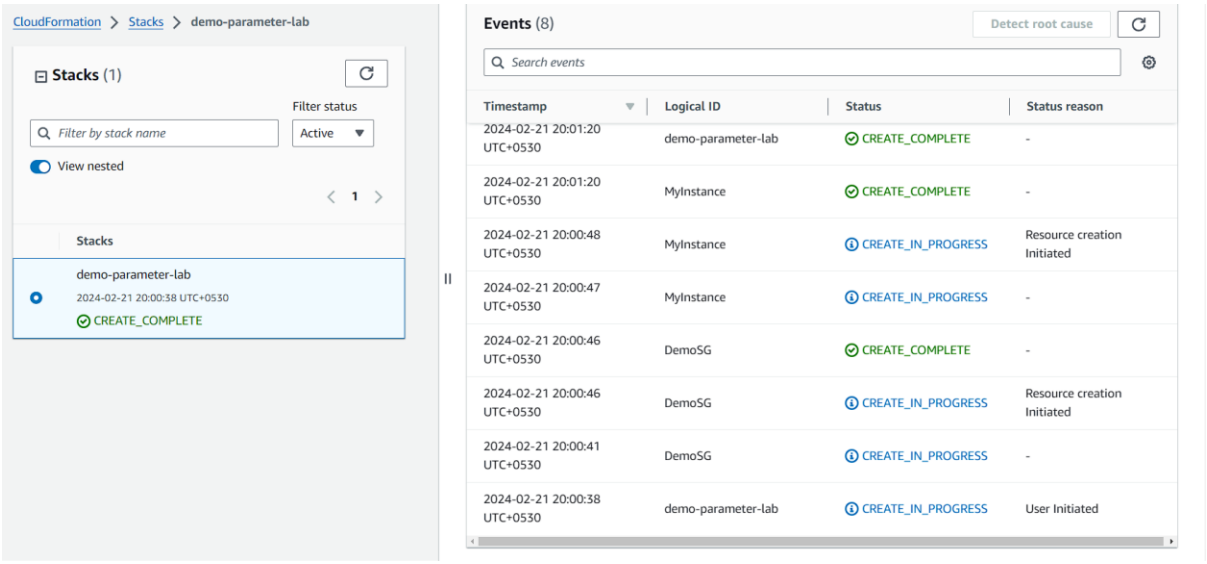
4. Once it is done then navigate to CloudFormation and create your stack using the template which you are going to download from GitHub.
5. Again, the almost same as the previous one which we used in the last lab but here this time some parameters are also added and using those parameters we are going to create our instances and security group.
6. Now upload your template and create your stack.

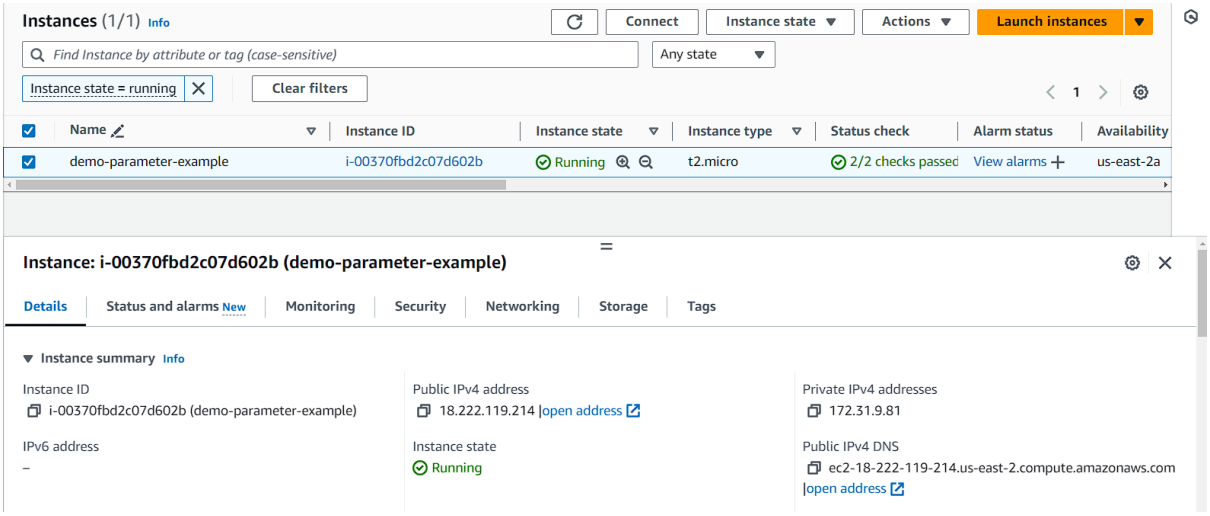


7. Now in the step two you can see the parameters that are added because of the code.
8. You can see that now we can choose our instance type; we can also choose the key pair which one we want.
9. Below are the snapshots from which you can have the understanding that the instance type which it is showing to us are defined in the template. But for the key pairs AWS is fetching them for us.
10. Now you also need to define the name of the service.

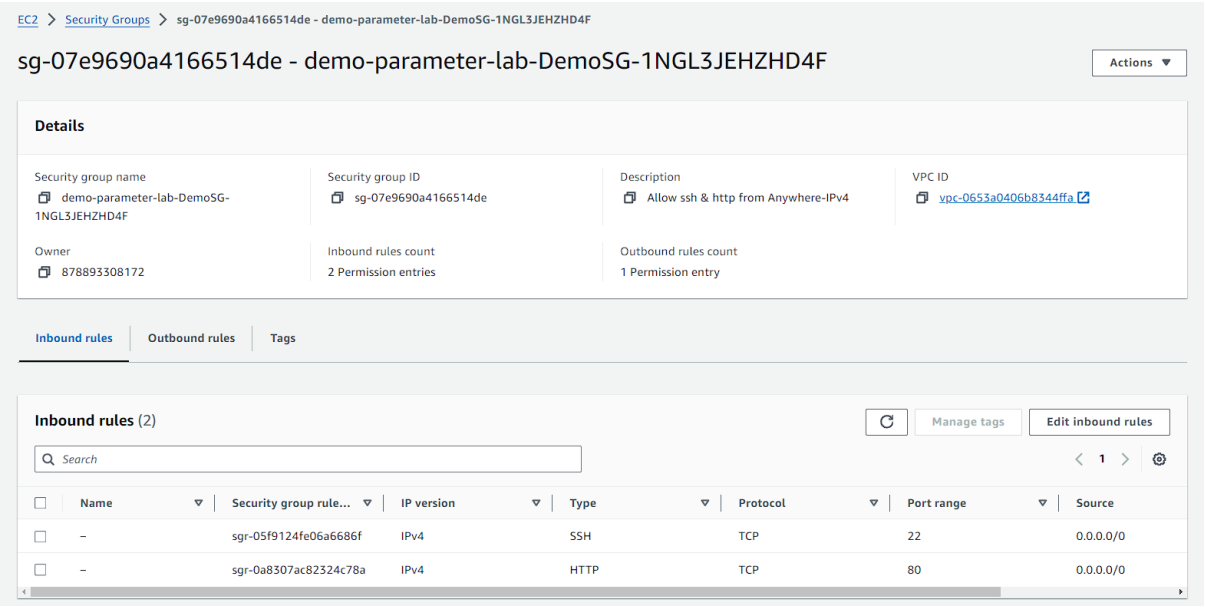


11. Here you can see that you stack is created successfully.
12. Now you if you will go to EC2 and view your instance and the security group along with the key pairs. You will see they are the same which you have given.


CloudFormation > Stacks > demo-parameter-lab
Stacks (1)
Filter by stack name
Active
View nested
Stacks
demo-parameter-lab
2024-02-21 20:00:38 UTC+0530
CREATE_COMPLETE
Events (8)
Detect root cause
Search events
Timestamp
Logical ID
Status
Status reason
2024-02-21 20:01:20 UTC+0530
demo-parameter-lab
CREATE_COMPLETE
2024-02-21 20:01:20 UTC+0530
MyInstance
CREATE_COMPLETE
2024-02-21 20:00:48 UTC+0530
MyInstance
CREATE_IN_PROGRESS
Resource creation Initiated
2024-02-21 20:00:47 UTC+0530
MyInstance
CREATE_IN_PROGRESS
2024-02-21 20:00:46 UTC+0530
DemoSG
CREATE_COMPLETE
2024-02-21 20:00:46 UTC+0530
DemoSG
CREATE_IN_PROGRESS
Resource creation Initiated
2024-02-21 20:00:41 UTC+0530
DemoSG
CREATE_IN_PROGRESS
2024-02-21 20:00:38 UTC+0530
demo-parameter-lab
CREATE_IN_PROGRESS
User Initiated


Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
Any state
Instance state = running
Clear filters
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability
demo-parameter-example
i-00370fbd2c07d602b
Running
t2.micro
2/2 checks passed
View alarms
us-east-2a
Instance: i-00370fbd2c07d602b (demo-parameter-example)
Details
Status and alarms New
Monitoring
Security
Networking
Storage
Tags
Instance summary Info
Instance ID
i-00370fbd2c07d602b (demo-parameter-example)
Public IPv4 address
18.222.119.214 |open address
Private IPv4 addresses
172.31.9.81
IPv6 address
–
Instance state
Running
Public IPv4 DNS
ec2-18-222-119-214.us-east-2.compute.amazonaws.com |open address


Key pair assigned at launch
demo-parameter-01



13. Once you are done just delete your stack.