MDM Practical Examination (Cloud Computing)

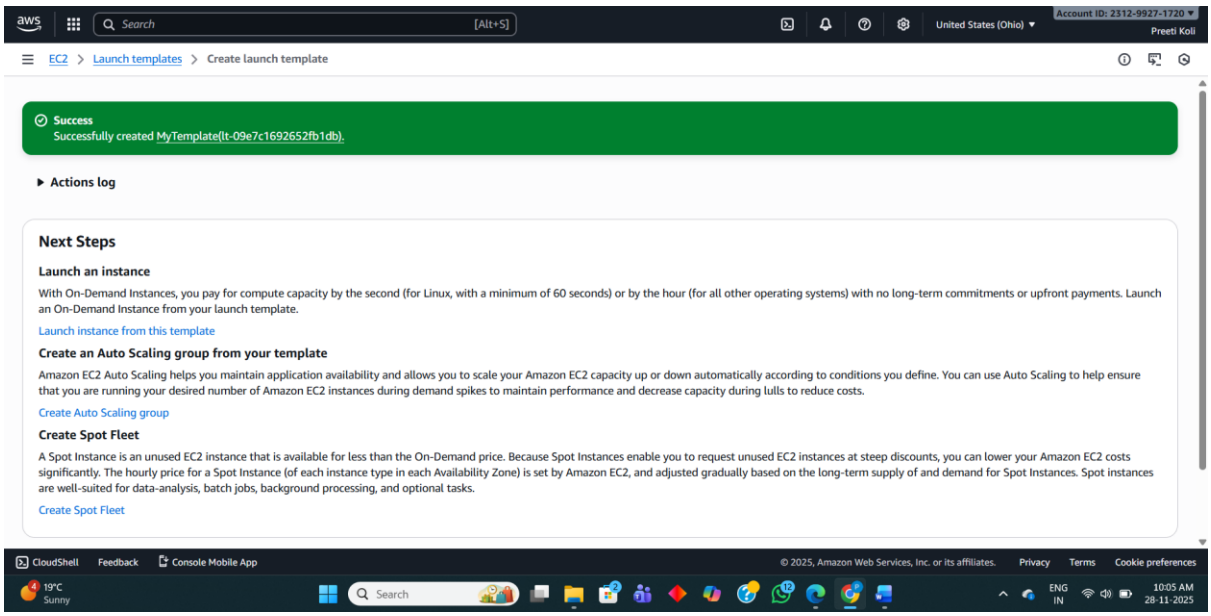
Name :- Preeti .S. Koli

Batch :- CCF2

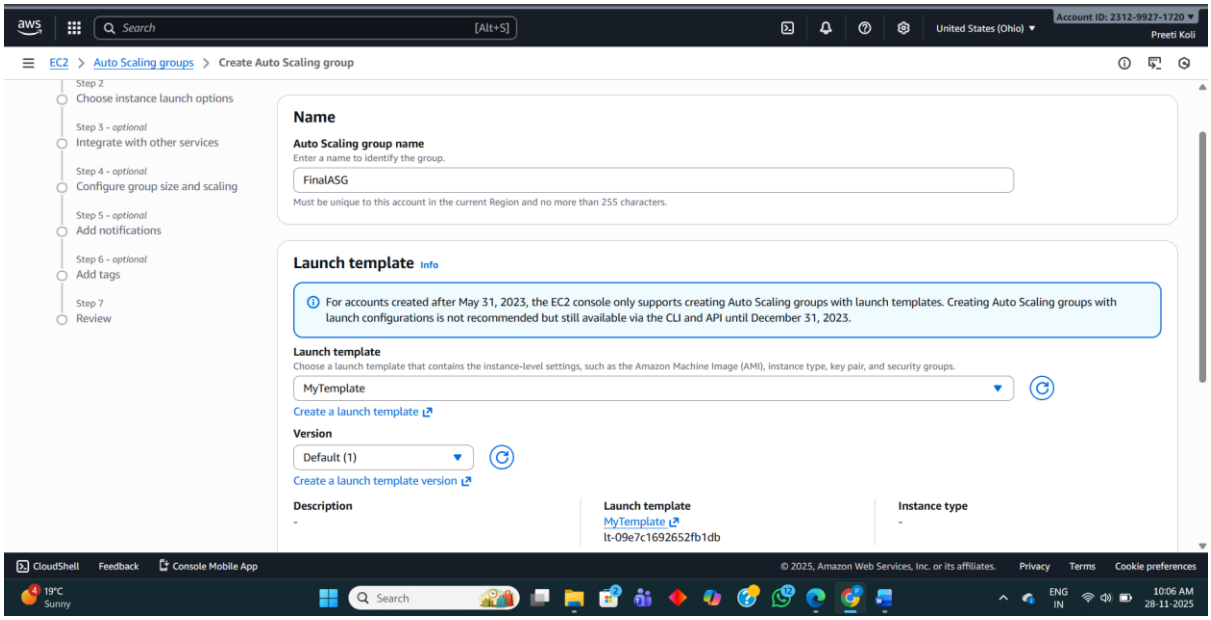
Prn No. :- 202301040213

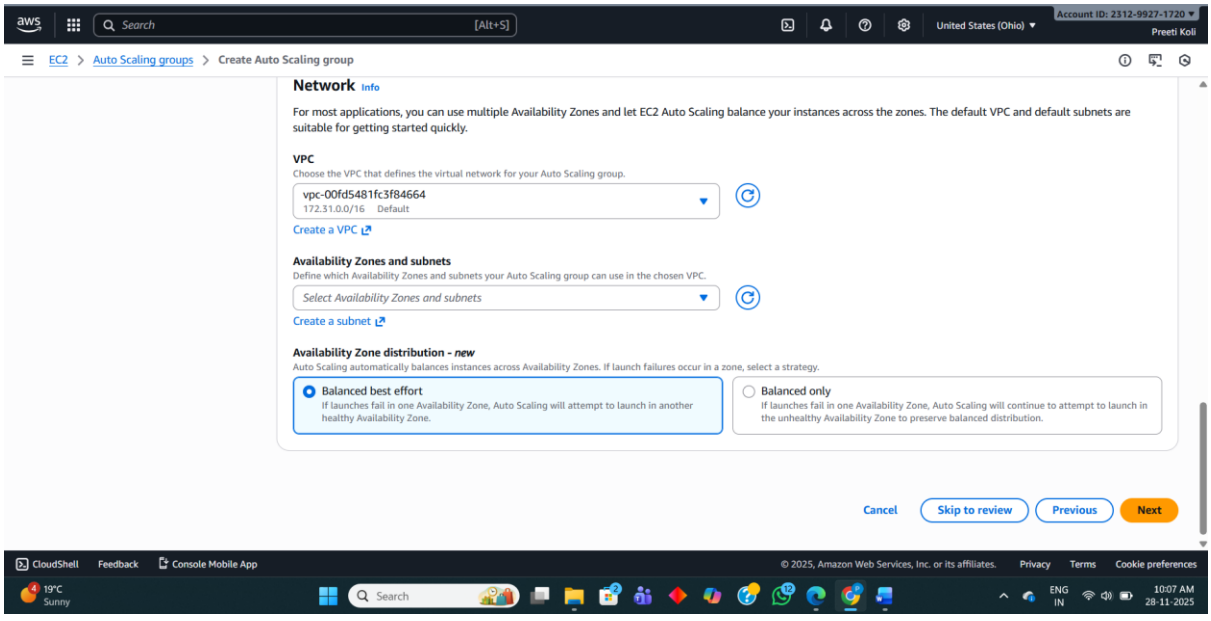
Question no. :- 19 Autoscaling Groups using Console

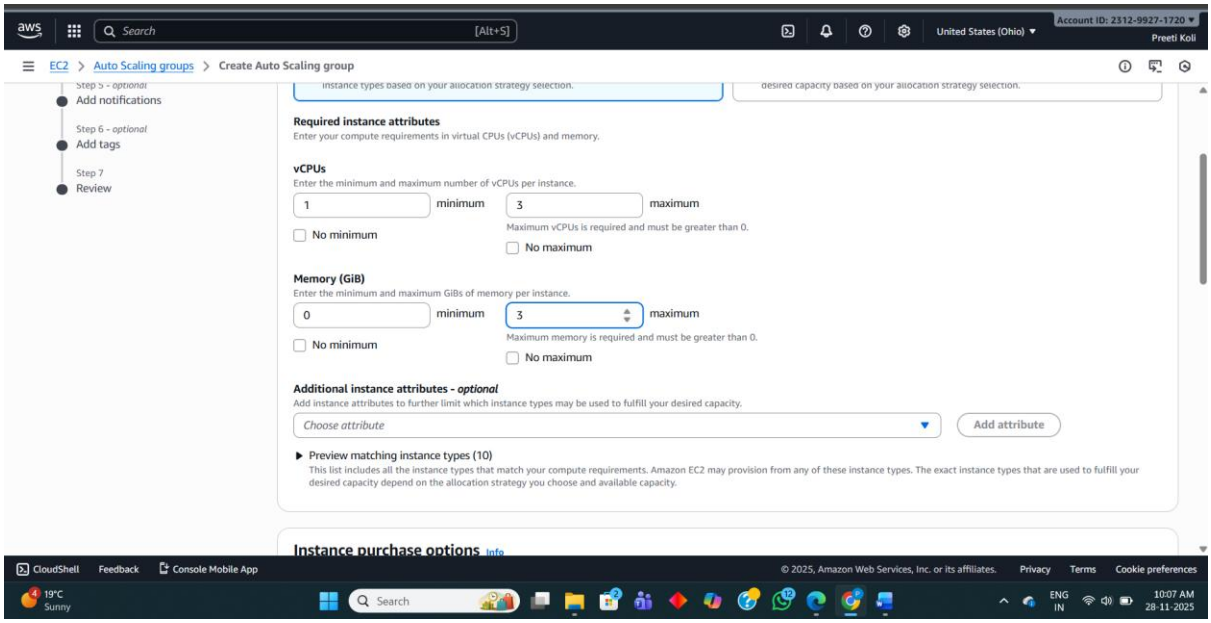
Launching Template

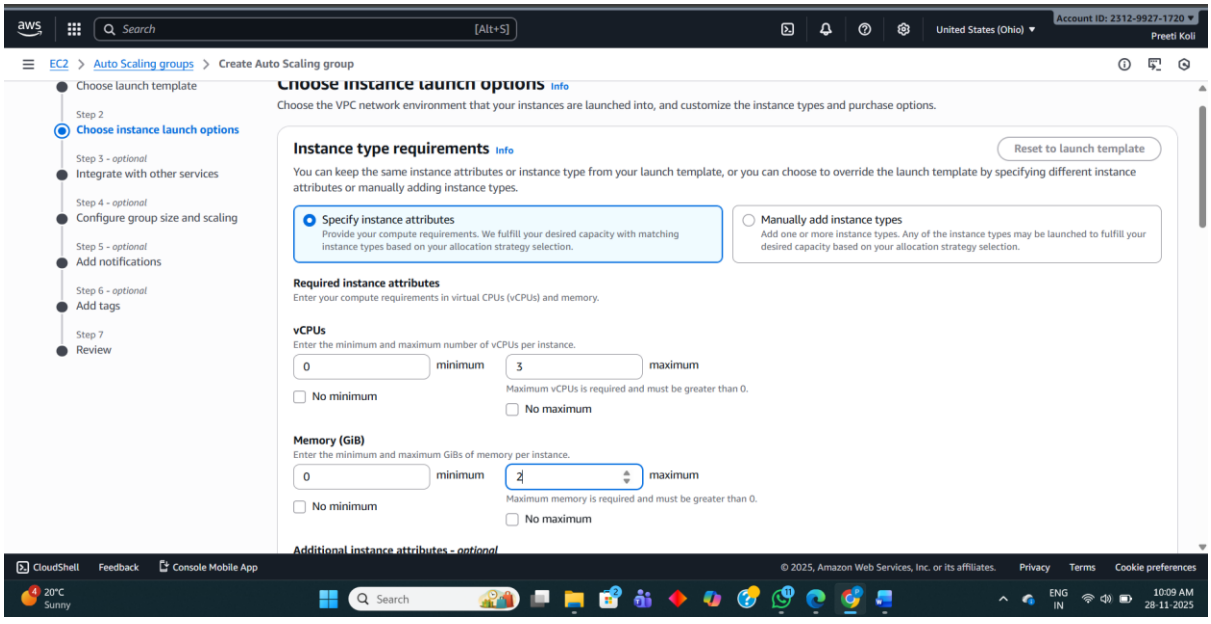


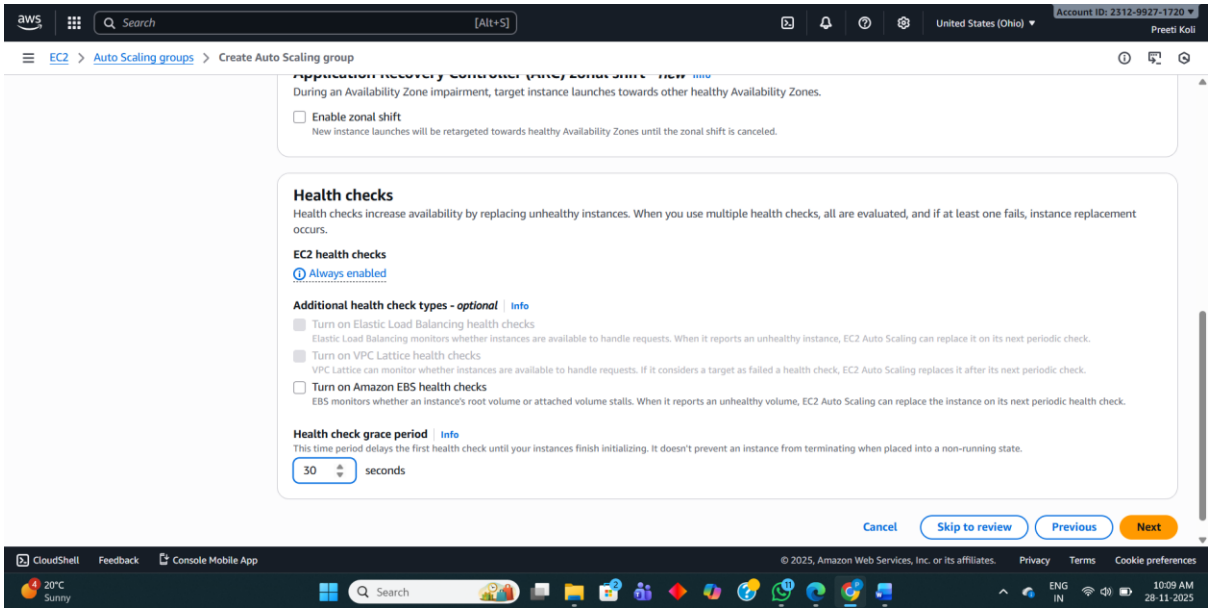
Creating Autoscaling



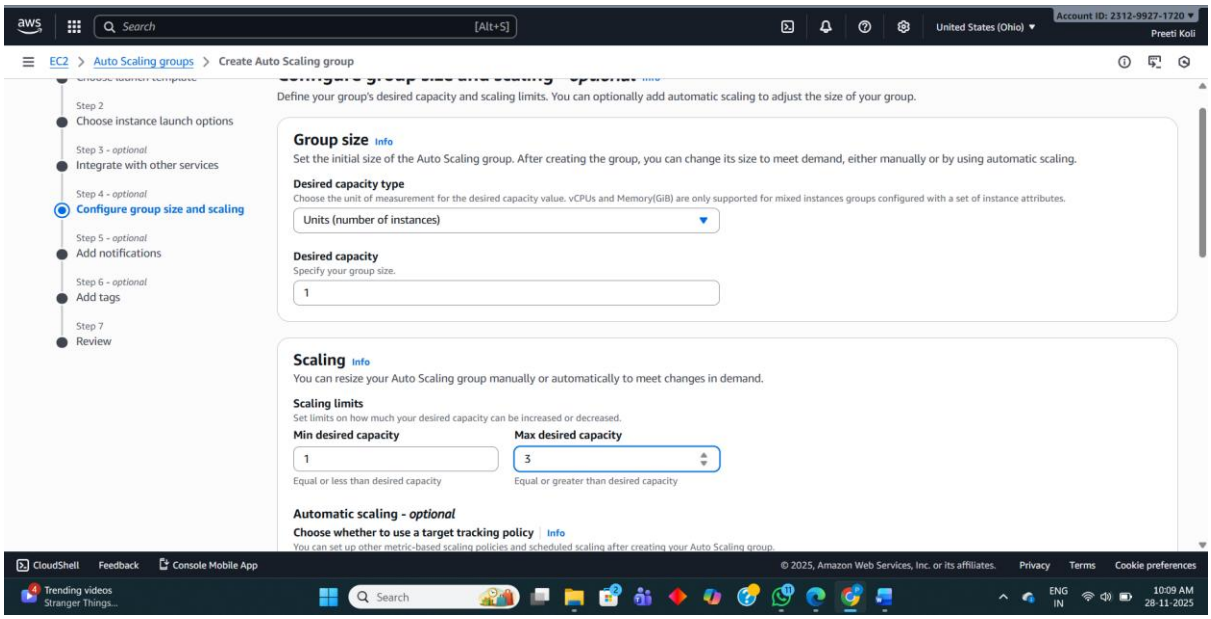


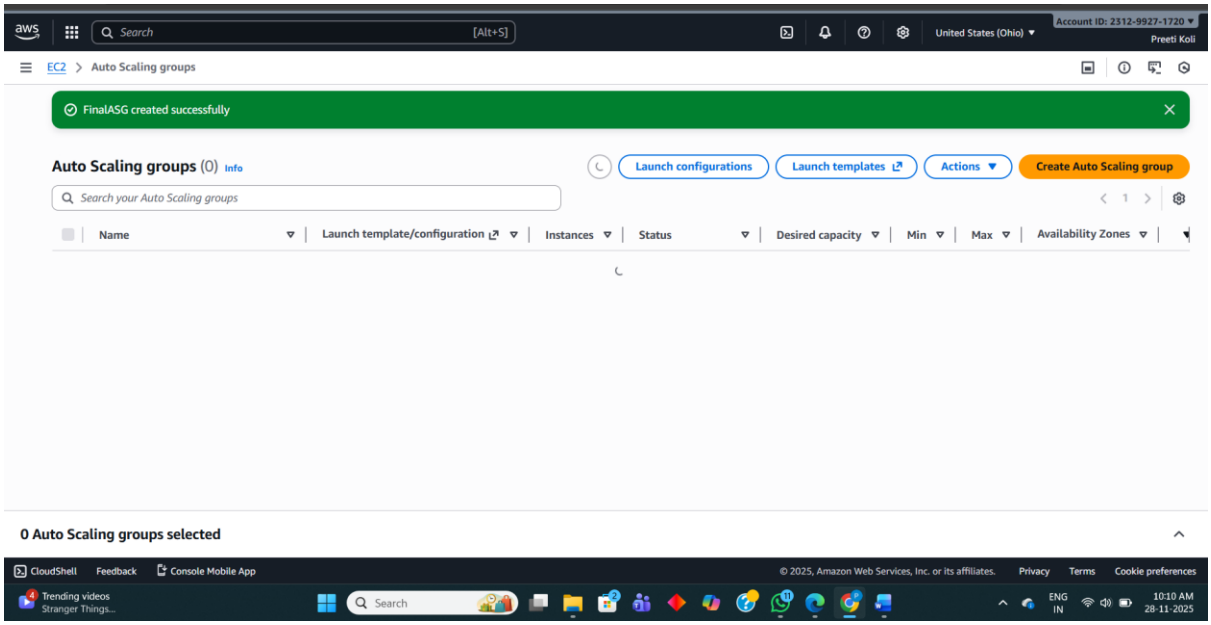

Search [Alt+S]
United States (Ohio)
Account ID: 2312-9927-1720
Preeti Koli
EC2 > Auto Scaling groups > Create Auto Scaling group
Add notifications
Add tags
Review
Required instance attributes
Enter your compute requirements in virtual CPUs (vCPUs) and memory.
vCPUs
Enter the minimum and maximum number of vCPUs per instance.
1 minimum
3 maximum
No minimum
No maximum
Maximum vCPUs is required and must be greater than 0.
Memory (GiB)
Enter the minimum and maximum GiBs of memory per instance.
0 minimum
3 maximum
No minimum
No maximum
Maximum memory is required and must be greater than 0.
Additional instance attributes - optional
Add instance attributes to further limit which instance types may be used to fulfill your desired capacity.
Choose attribute
Add attribute
Preview matching instance types (10)
This list includes all the instance types that match your compute requirements. Amazon EC2 may provision from any of these instance types. The exact instance types that are used to fulfill your desired capacity depend on the allocation strategy you choose and available capacity.
Instance purchase options Info
CloudShell
Feedback
Console Mobile App
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
19°C
Sunny
Search
ENG
IN
10:07 AM
28-11-2025


Search [Alt+S]
United States (Ohio)
Account ID: 2312-9927-1720
Preeti Koli
EC2 > Auto Scaling groups > Create Auto Scaling group
Choose launch template
Choose instance launch options
Integrate with other services
Configure group size and scaling
Add notifications
Add tags
Review
Choose instance launch options Info
Choose the VPC network environment that your instances are launched into, and customize the instance types and purchase options.
Instance type requirements Info
Reset to launch template
You can keep the same instance attributes or instance type from your launch template, or you can choose to override the launch template by specifying different instance attributes or manually adding instance types.
Specify instance attributes
Provide your compute requirements. We fulfill your desired capacity with matching instance types based on your allocation strategy selection.
Manually add instance types
Add one or more instance types. Any of the instance types may be launched to fulfill your desired capacity based on your allocation strategy selection.
Required instance attributes
Enter your compute requirements in virtual CPUs (vCPUs) and memory.
vCPUs
Enter the minimum and maximum number of vCPUs per instance.
0 minimum
3 maximum
No minimum
No maximum
Maximum vCPUs is required and must be greater than 0.
Memory (GiB)
Enter the minimum and maximum GiBs of memory per instance.
0 minimum
2 maximum
No minimum
No maximum
Maximum memory is required and must be greater than 0.
Additional instance attributes - optional
CloudShell
Feedback
Console Mobile App
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
20°C
Sunny
Search
ENG
IN
10:09 AM
28-11-2025

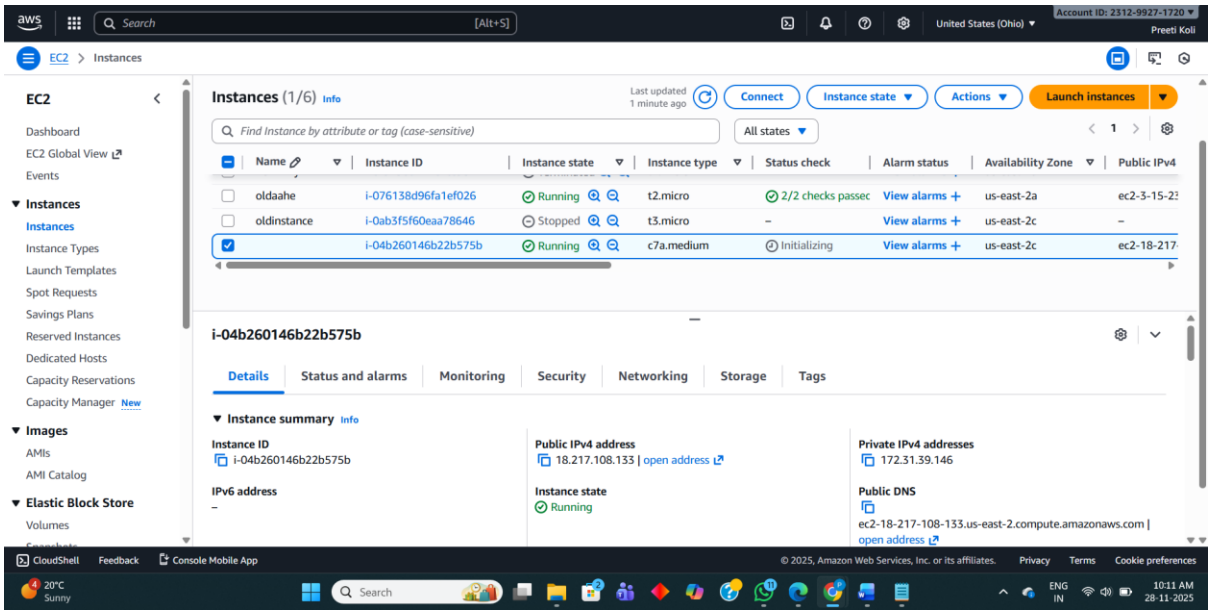


Here while creating AutoScaling Considering the desired Capacity as '1'

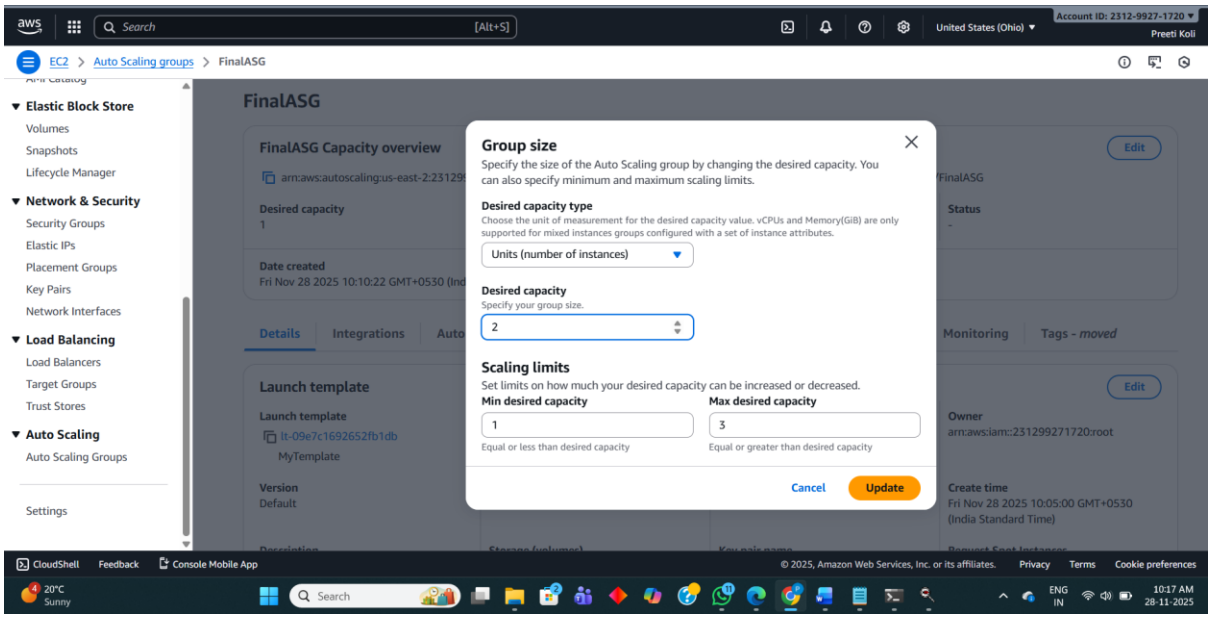


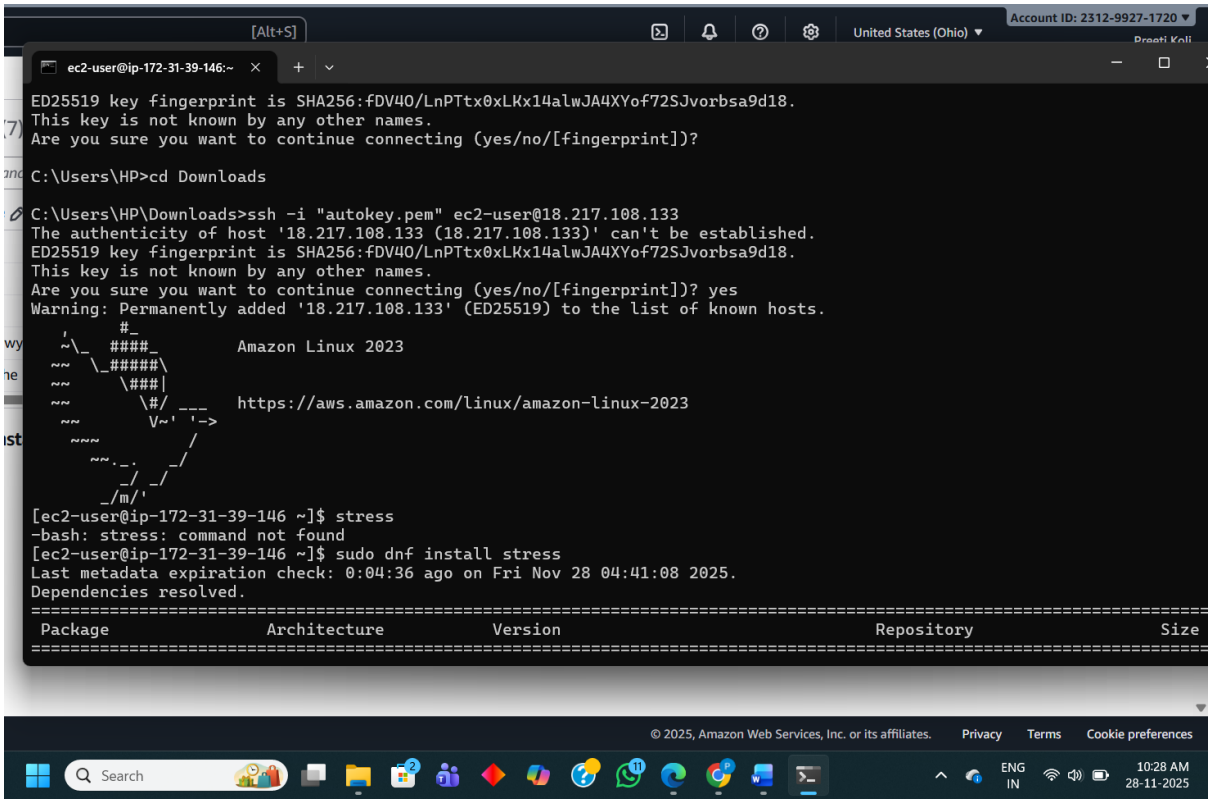


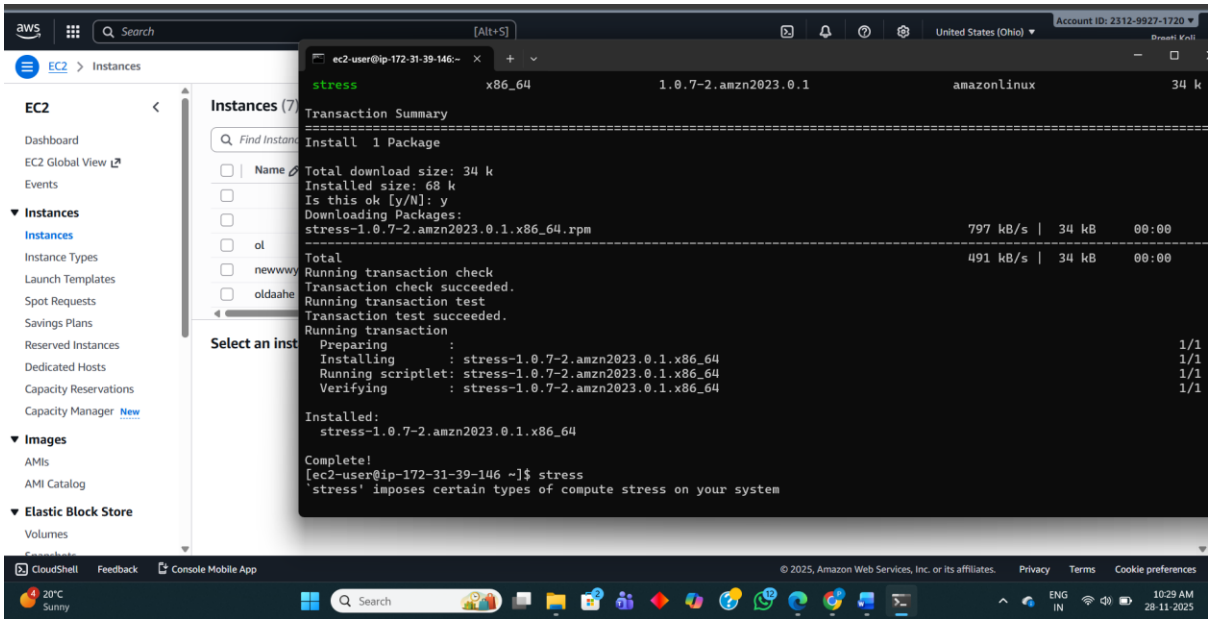
As soon as the autoscaling is launched ,instance is created with the key which we used while creating / launching the template.

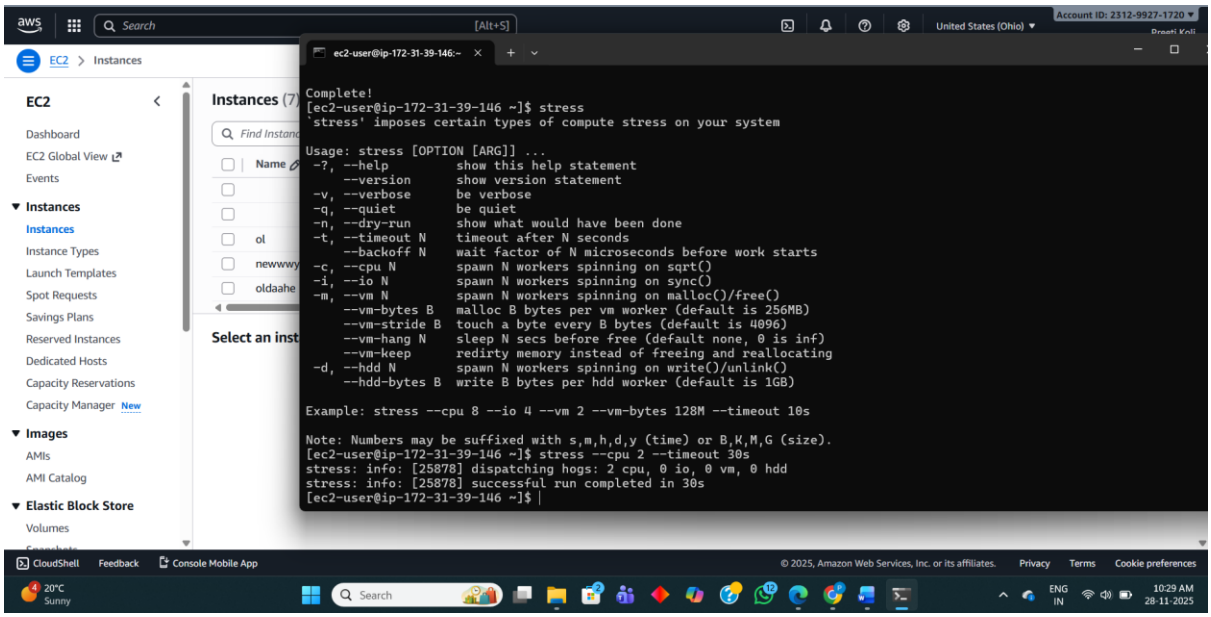


To increase the stress,increasing the desired capacity to ‘2’ also using the stress command.






stress x86_64 1.0.7-2.amzn2023.0.1 amazonlinux 34 k
Transaction Summary
Install 1 Package
Total download size: 34 k
Installed size: 68 k
Is this ok [y/N]: y
Downloading Packages:
stress-1.0.7-2.amzn2023.0.1.x86_64.rpm 797 kB/s | 34 kB 00:00
Total 491 kB/s | 34 kB 00:00
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
Preparing : 1/1
Installing : stress-1.0.7-2.amzn2023.0.1.x86_64 1/1
Running scriptlet: stress-1.0.7-2.amzn2023.0.1.x86_64 1/1
Verifying : stress-1.0.7-2.amzn2023.0.1.x86_64 1/1
Installed:
stress-1.0.7-2.amzn2023.0.1.x86_64
Complete!
[ec2-user@ip-172-31-39-146 ~]$ stress
`stress' imposes certain types of compute stress on your system


Complete!
[ec2-user@ip-172-31-39-146 ~]$ stress
`stress' imposes certain types of compute stress on your system
Usage: stress [OPTION [ARG]] ...
-?, --help show this help statement
--version show version statement
-v, --verbose be verbose
-q, --quiet be quiet
-n, --dry-run show what would have been done
-t, --timeout N timeout after N seconds
--backoff N wait factor of N microseconds before work starts
-c, --cpu N spawn N workers spinning on sqrt()
-i, --io N spawn N workers spinning on sync()
-m, --vm N spawn N workers spinning on malloc()/free()
--vm-bytes B malloc B bytes per vm worker (default is 256MB)
--vm-stride B touch a byte every B bytes (default is 4096)
--vm-hang N sleep N secs before free (default none, 0 is inf)
--vm-keep redirty memory instead of freeing and reallocating
-d, --hdd N spawn N workers spinning on write()/unlink()
--hdd-bytes B write B bytes per hdd worker (default is 1GB)
Example: stress --cpu 8 --io 4 --vm 2 --vm-bytes 128M --timeout 10s
Note: Numbers may be suffixed with s,m,h,d,y (time) or B,K,M,G (size).
[ec2-user@ip-172-31-39-146 ~]$ stress --cpu 2 --timeout 30s
stress: info: [25878] dispatching hogs: 2 cpu, 0 io, 0 vm, 0 hdd
stress: info: [25878] successful run completed in 30s
[ec2-user@ip-172-31-39-146 ~]$

After increasing the desired capacity one more new instance is created