Project Statement:

Implementing High Availability with Auto Scaling: Description: Configure an application to automatically scale based on demand to ensure high availability and performance. Implementation: Set up an Auto Scaling group and configure scaling policies based on metrics like CPU utilization or request rate. Use Elastic Load Balancer to distribute traffic across instances.

I'm thrilled to share the successful completion of my Project

Here's a brief overview of my journey:

Create an Auto Scaling Group:

Navigate to the Auto Scaling service. Create an Auto Scaling group, specifying the desired instance type, minimum and maximum number of instances, and the availability zones where instances should be launched

Configure Scaling Policies:

Define scaling policies that will trigger the Auto Scaling group to add or remove instances based on specific metrics like CPU utilization, request rate, or custom application metrics.

Set Up Amazon CloudWatch Alarms:

Create CloudWatch alarms to monitor the metrics specified in your scaling policies.

These alarms will trigger scaling actions when the defined thresholds are breached.

Configure Scaling Triggers:

Associate your scaling policies with the CloudWatch alarms to create scaling triggers.

This will tell Auto Scaling when to perform scaling actions.

Create an Elastic Load Balancer (ELB):

Set up an Elastic Load Balancer to distribute incoming traffic across your instances.

Configure the ELB to perform health checks on your instances and route traffic only to healthy instances.

Attach Auto Scaling Group to the Load Balancer:

Attach your Auto Scaling group to the Elastic Load Balancer.

This ensures that traffic is distributed evenly across all instances launched by the Auto Scaling group.

Testing and Monitoring:

Test your setup to ensure that instances are scaling in and out correctly based on demand.

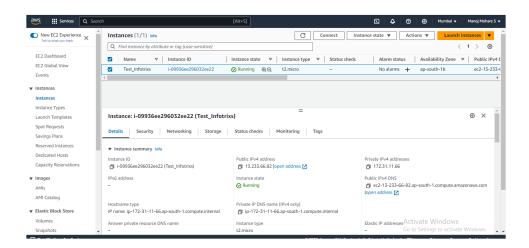
Continuously monitor your application's performance, Auto Scaling events, and CloudWatch metrics to make adjustments as needed.

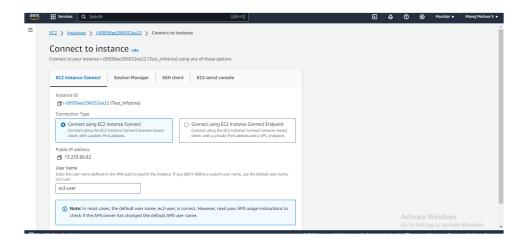
Regular Maintenance:

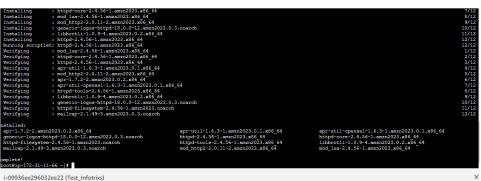
Periodically review and adjust your scaling policies and alarms to optimize performance and cost.

Keep your application and infrastructure up to date with the latest patches and security updates.

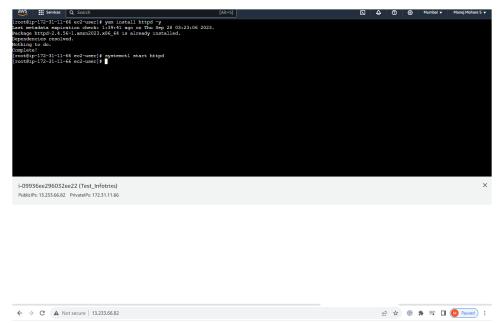
Create a instance







PublicIPs: 13.233.66.82 PrivateIPs: 172.31.11.66



It works!

Activate Windows

