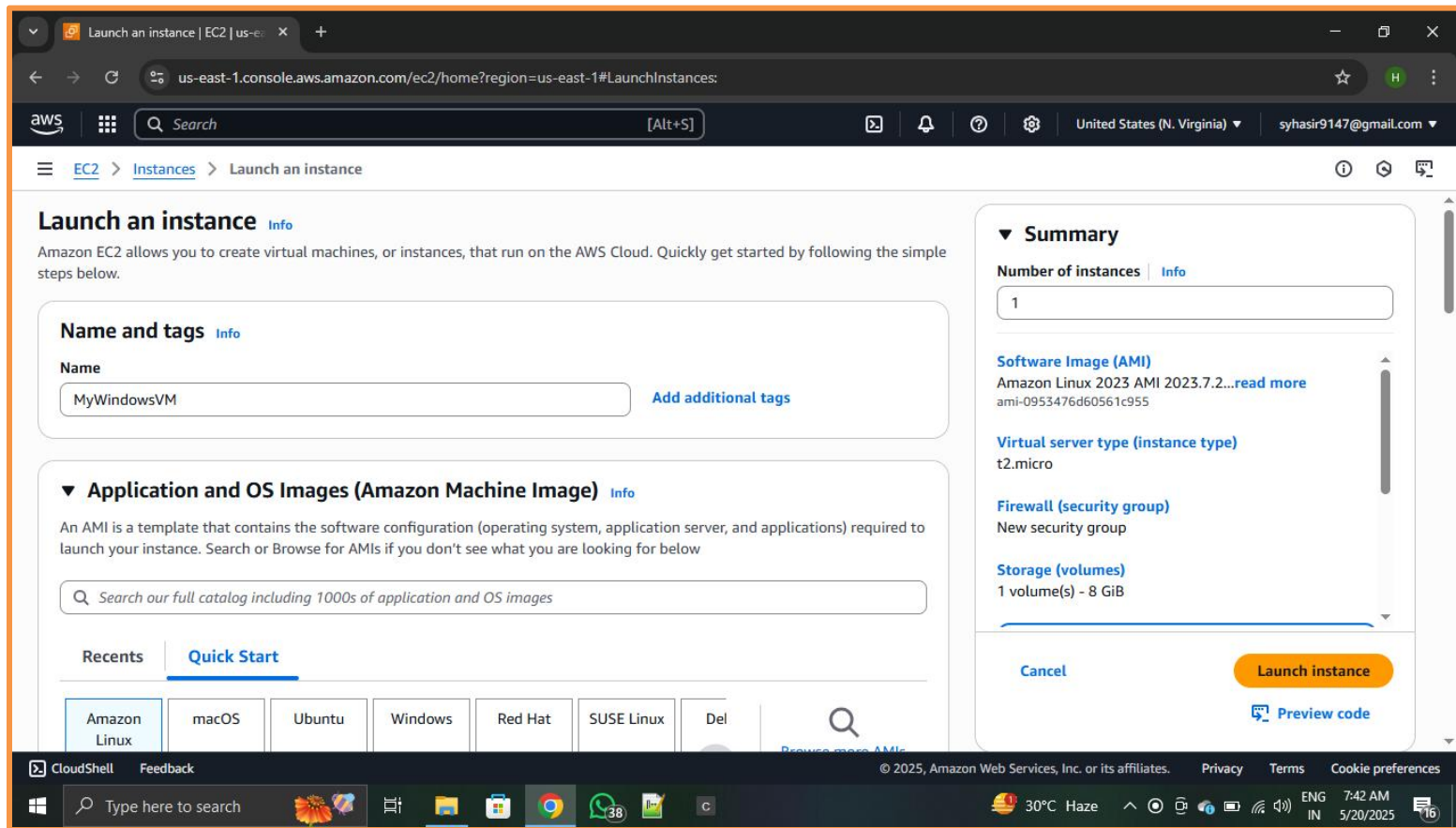


Launched My First Windows EC2 Instance on AWS!

Hands-on experience with cloud virtual machines and remote access



Step 1: Selected Windows Server 2019 AMI

Choose Free Tier eligible AMI

The screenshot displays the AWS Management Console interface for launching an EC2 instance. The browser address bar shows the URL: `us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:`. The page title is "Launch an instance".

Application and OS Images (Amazon Machine Image)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search:

Recents | **Quick Start**

Amazon Linux | macOS | Ubuntu | **Windows** | Red Hat | SUSE Linux | Del

Amazon Machine Image (AMI)

Microsoft Windows Server 2019 Base
ami-0a56bfb349bfb3bb8 (64-bit (x86))
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

Description

Summary

Number of instances | Info
1

Software Image (AMI)
Microsoft Windows Server 2019 ...read more
ami-0a56bfb349bfb3bb8

Virtual server type (instance type)
t2.micro

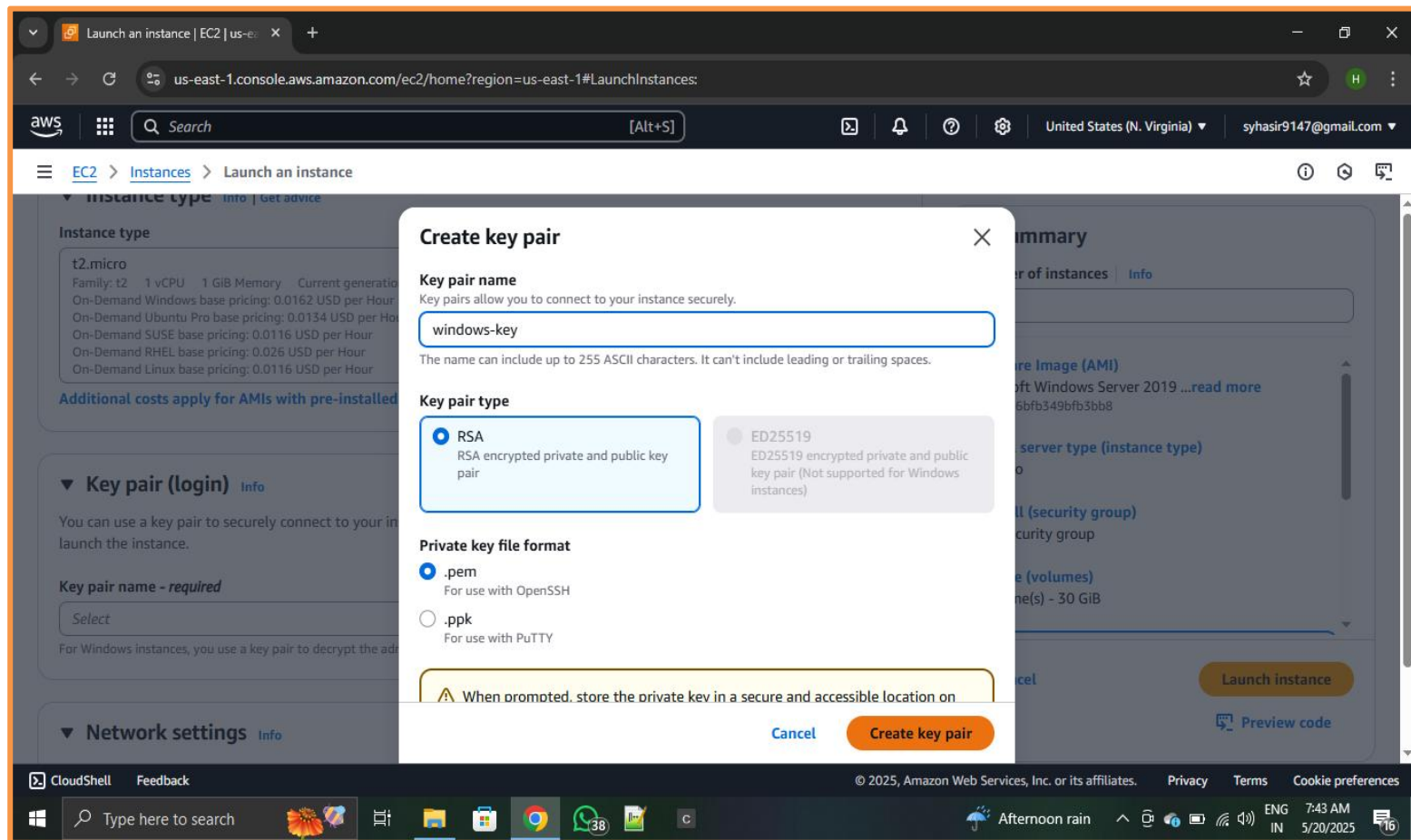
Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 30 GiB

[Cancel](#) [Launch instance](#) [Preview code](#)

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Step 2: Created a secure key pair (.pem) for RDP login



Step 3: Configured Security Group with RDP access

Always restrict RDP to your IP for security!

Launch an instance | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

EC2 > Instances > Launch an instance

Firewall (security groups) | Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group ☐ Select existing security group

Security group name - *required*

launch-wizard-6

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and .-:/()#,@!+=&[]\$*

Description - *required* | Info

launch-wizard-6 created 2025-05-20T02:11:08.464Z

Inbound Security Group Rules

▼ Security group rule 1 (TCP, 3389, 43.230.47.70/32) [Remove](#)

Type Info	Protocol Info	Port range Info	Source type Info	Name Info	Description - optional Info
rdp	TCP	3389	My IP	43.230.47.70/32	e.g. SSH for admin desktop

Summary

Number of instances | Info

1

Software Image (AMI)

Microsoft Windows Server 2019 ...[read more](#)

ami-0a56bfb349bfb3bb8

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 30 GiB

[Cancel](#) [Launch instance](#) [Preview code](#)

CloudShell Feedback

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Step 4: Launched and verified instance status

Launch an instance | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

EC2 > Instances > Launch an instance

Firewall (security groups) | Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group ☐ Select existing security group

Security group name - *required*
launch-wizard-6
This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and _-:/()#,@[]+=&{}!\$*

Description - *required* | Info
launch-wizard-6 created 2025-05-20T02:11:08.464Z

Inbound Security Group Rules
▼ Security group rule 1 (TCP, 3389, 43.230.47.70/32) Remove

Type Info	Protocol Info	Port range Info
rdp	TCP	3389

Source type Info	Name Info	Description - <i>optional</i> Info
My IP	43.230.47.70/32	e.g. SSH for admin desktop

Summary

Number of instances | Info
1

Software Image (AMI)
Microsoft Windows Server 2019 ...[read more](#)
ami-0a56bfb349bfb3bb8

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

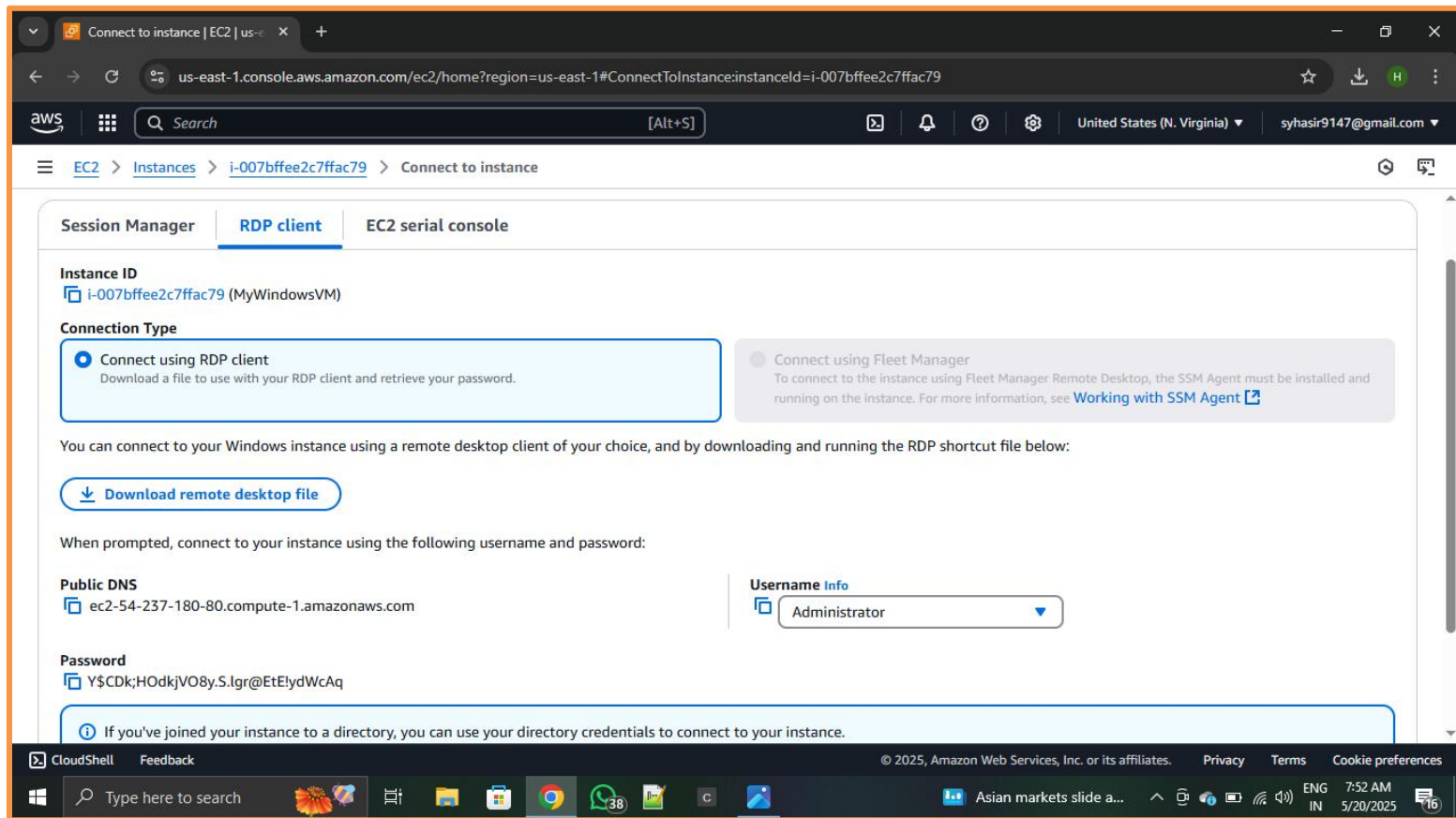
Storage (volumes)
1 volume(s) - 30 GiB

[Cancel](#) [Launch instance](#) [Preview code](#)

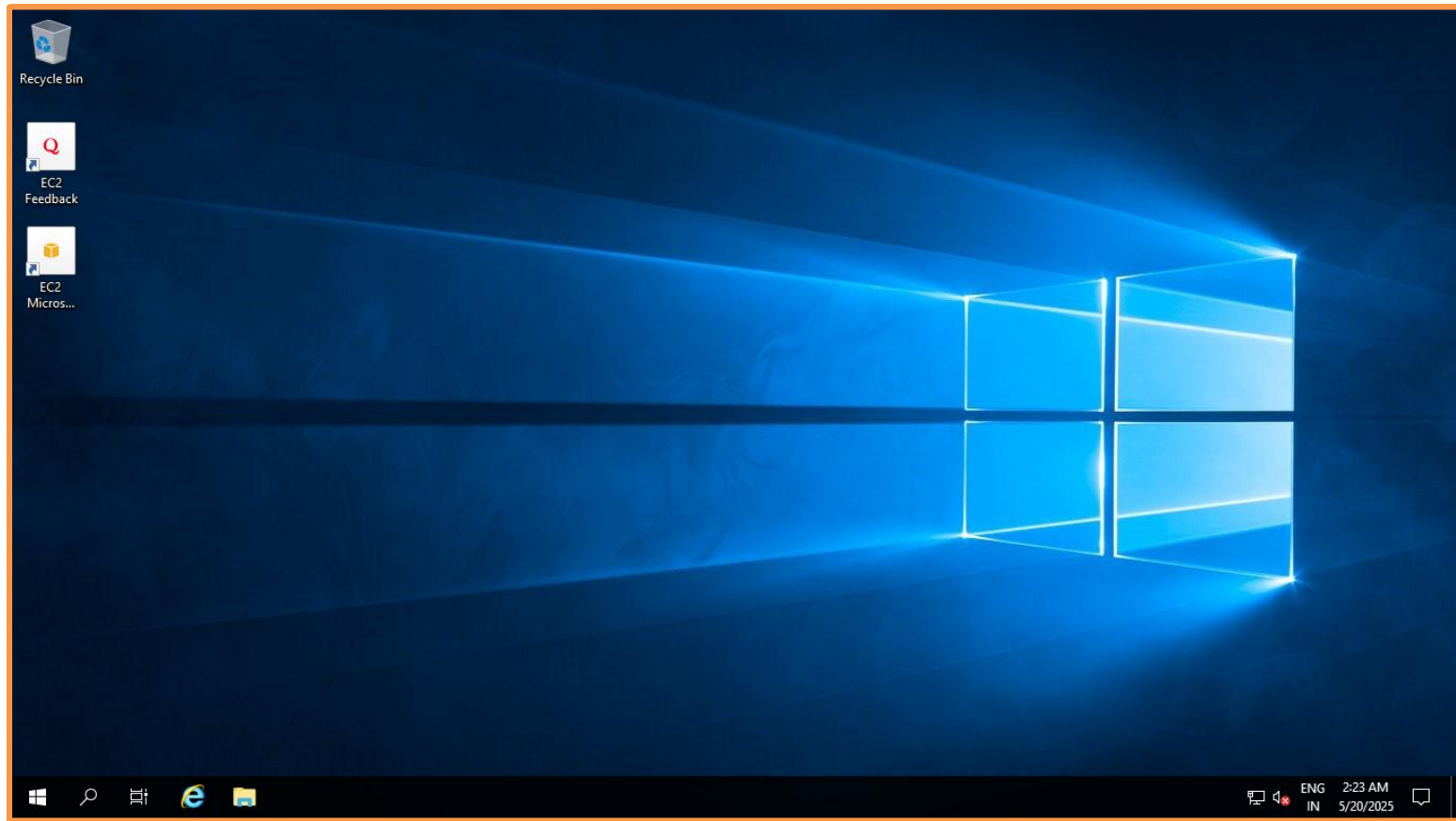
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Type here to search Air quality forecast 7:47 AM 5/20/2025

Step 5: Decrypted password and accessed the server



Step 6: Successfully connected to my cloud-hosted Windows machine!



Key Takeaways

- Launched Windows VM on AWS
- Connected securely using RDP
- Understood cloud networking basics

Next up: Hosting a static website on this instance!