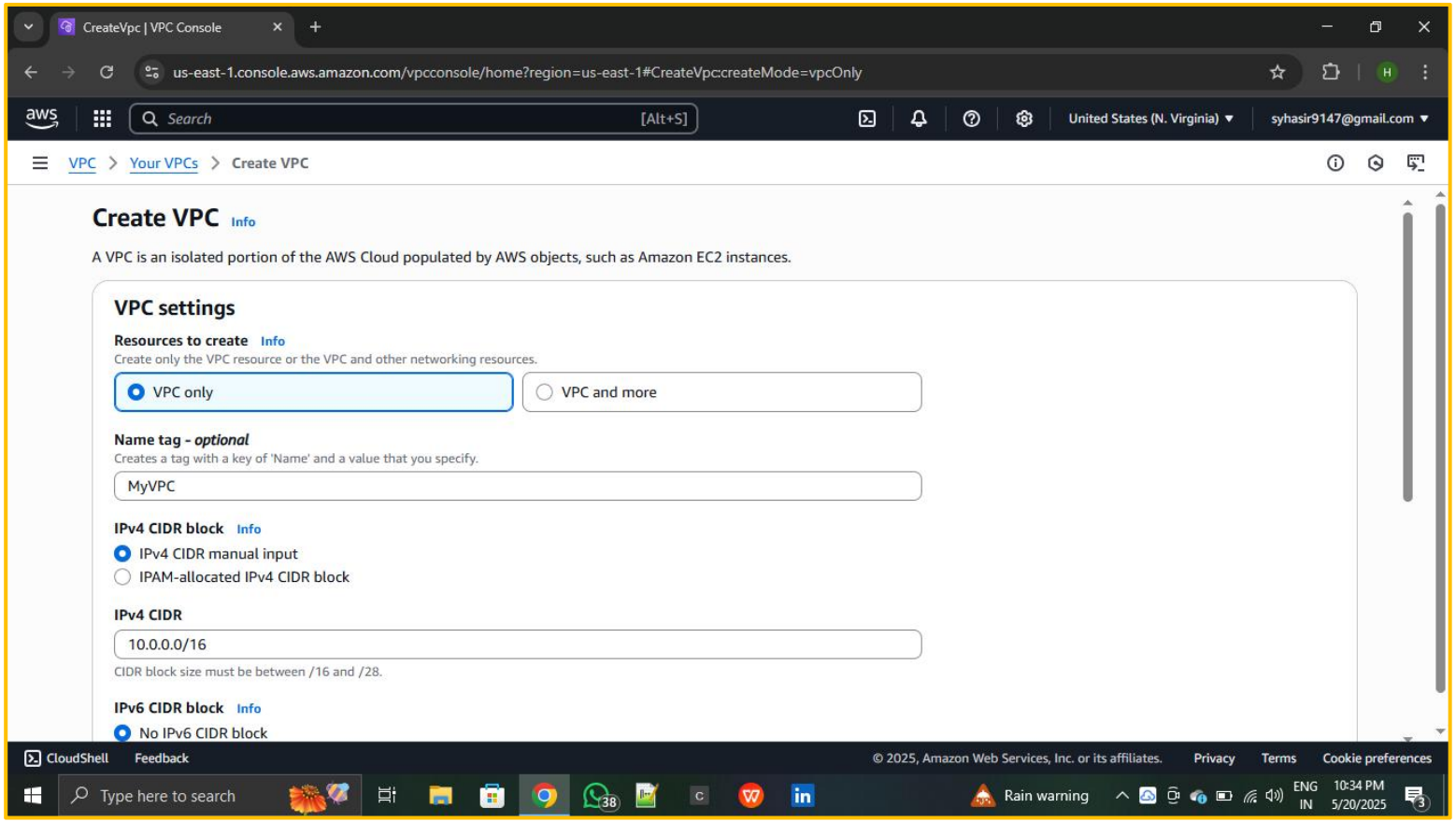
Built My First Custom VPC

With Windows EC2, Public/Private Subnets, IGW & NAT Gateway

Sayyed Hasir

Step 1 - Created VPC

Created VPC (CIDR: 10.0.0.0/16)



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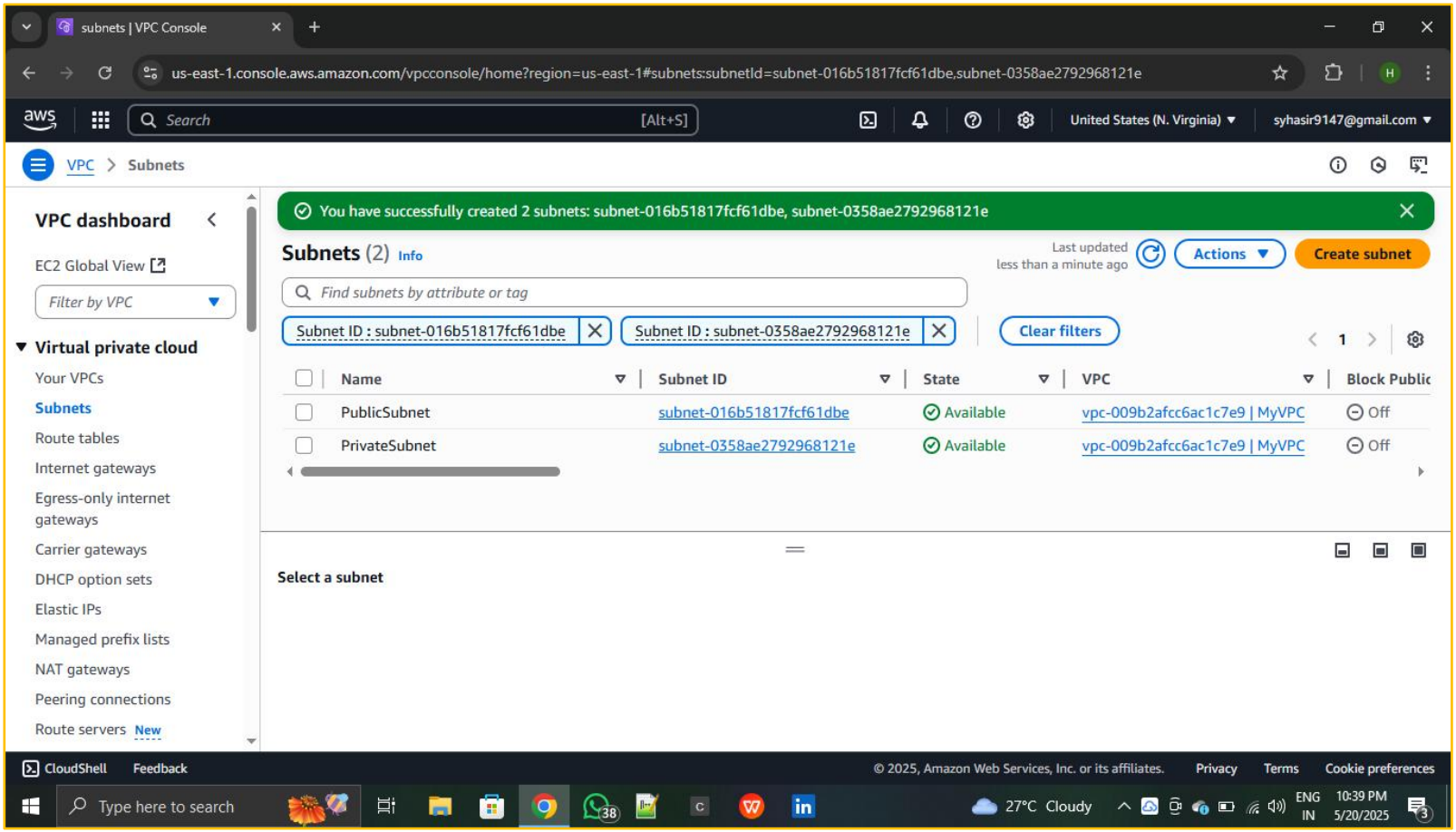
Step 2 - Subnet Setup

Added Public & Private Subnets with distinct CIDRs



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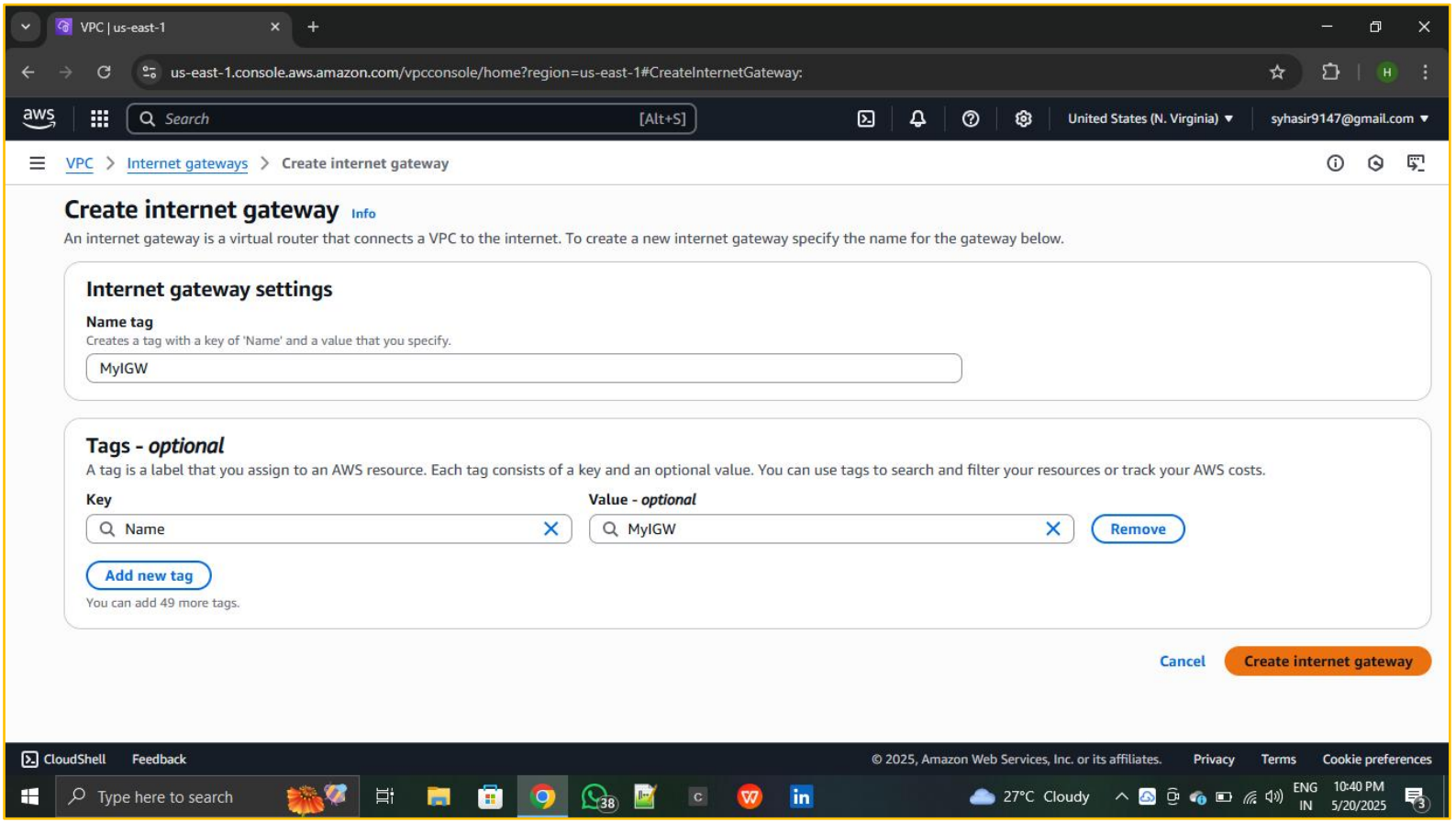
Step 3 - Internet Gateway

Created Internet Gateway and attached it to VPC



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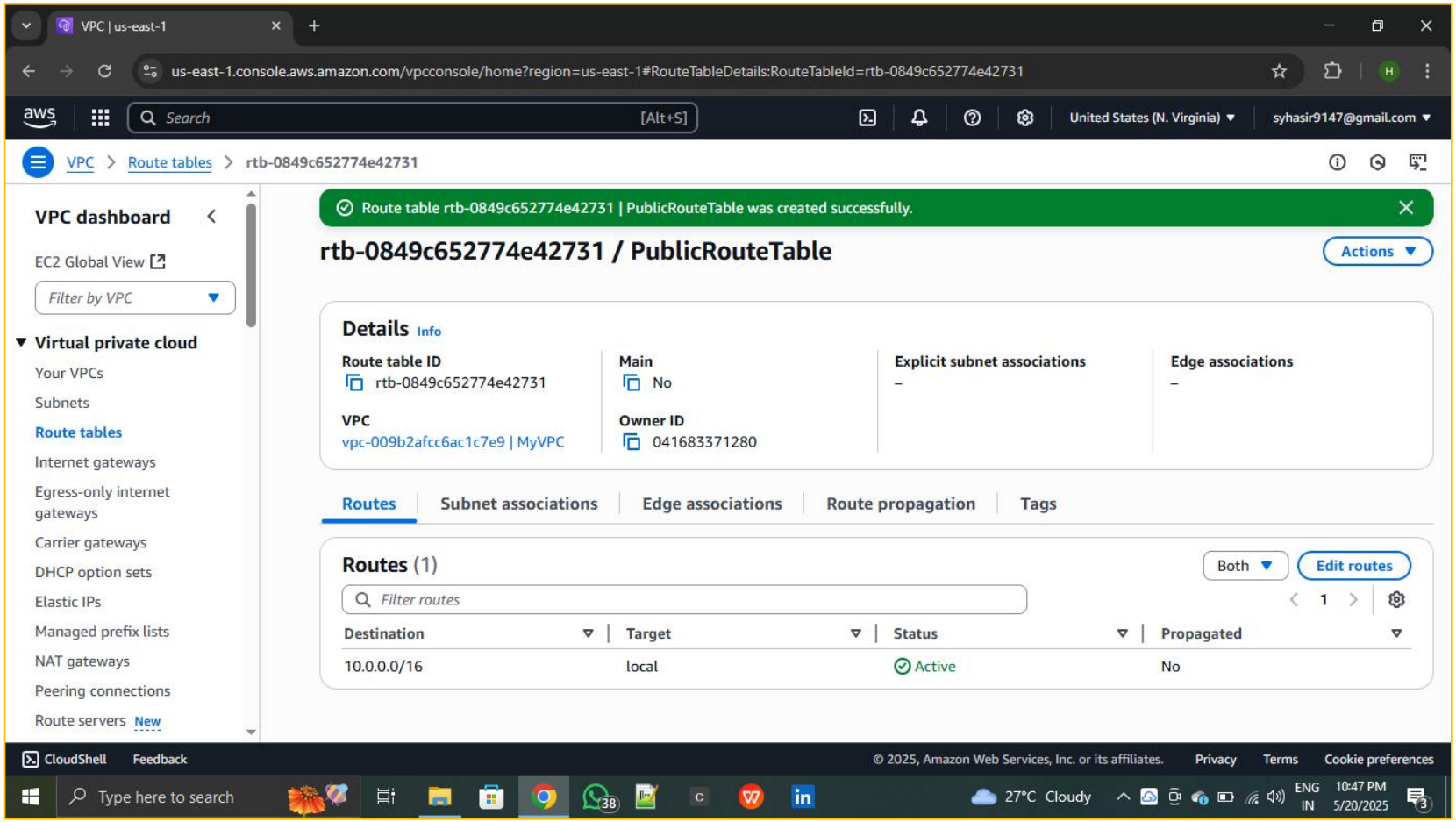
Step 4 - Public Route Table

Routed 0.0.0.0/0 to IGW for public access



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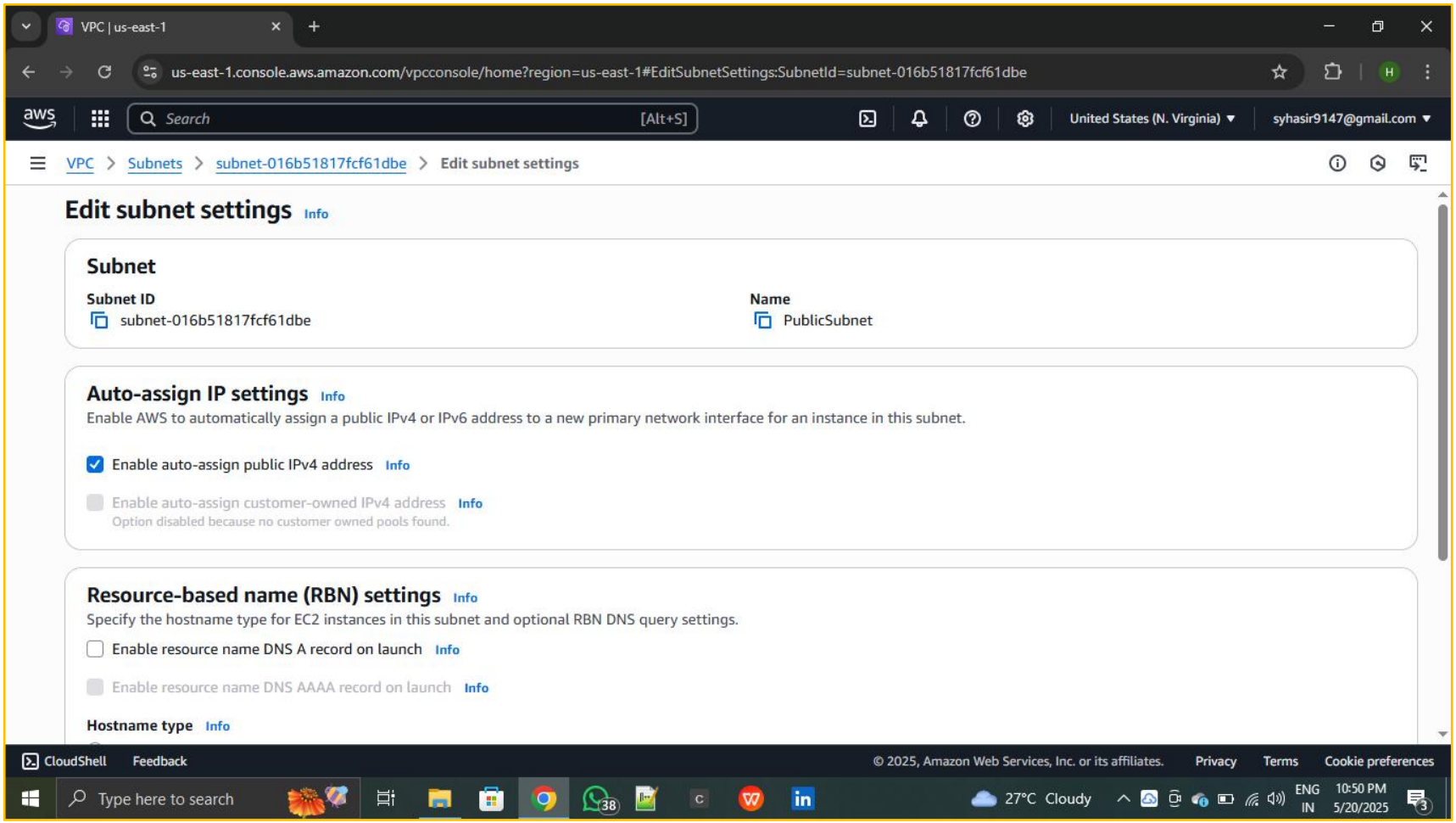
Step 5 - Auto-assign Public IP

Enabled public IP assignment for PublicSubnet



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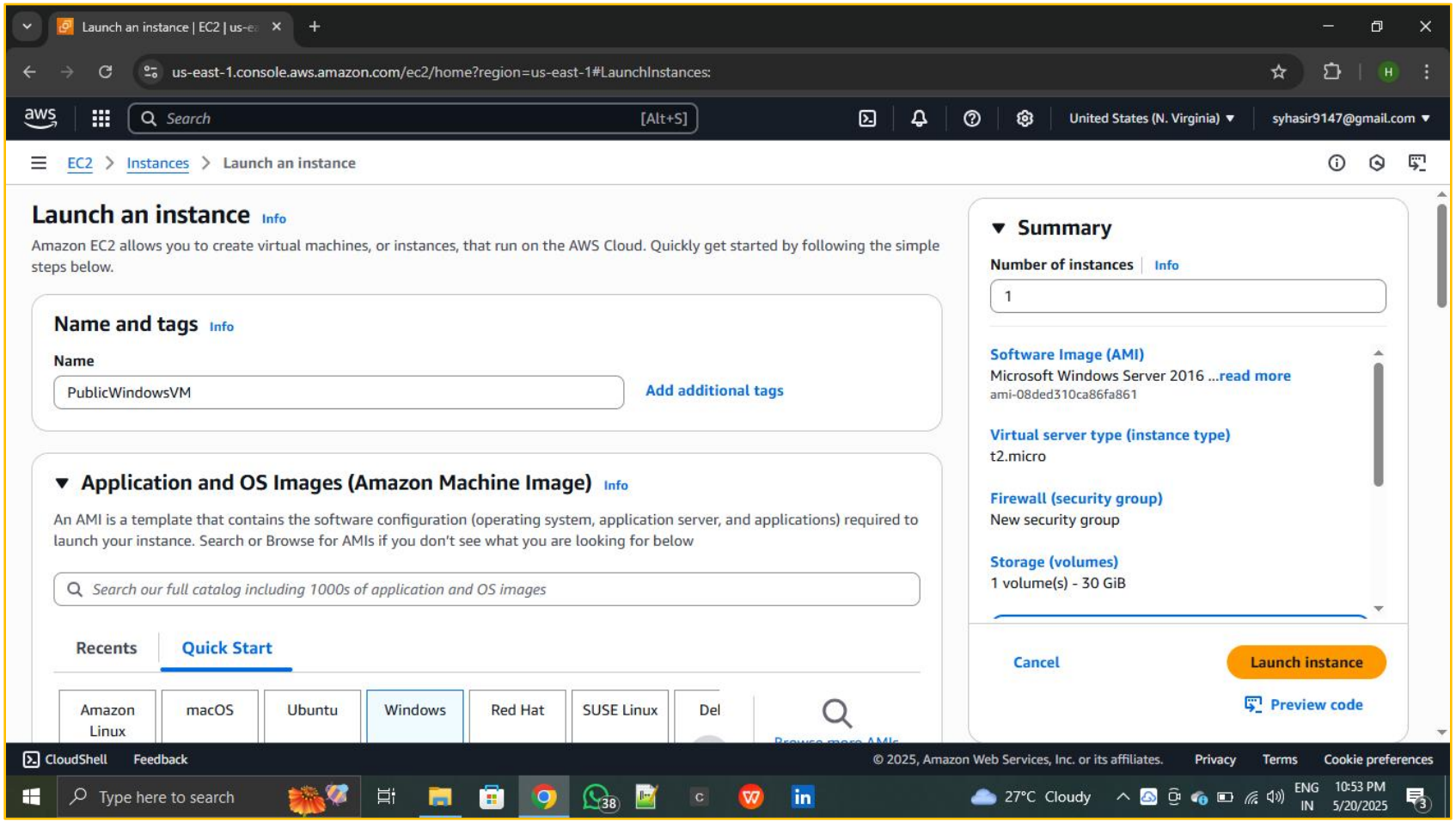
Step 6 - Public EC2 Launch

Launched Windows EC2 in Public Subnet



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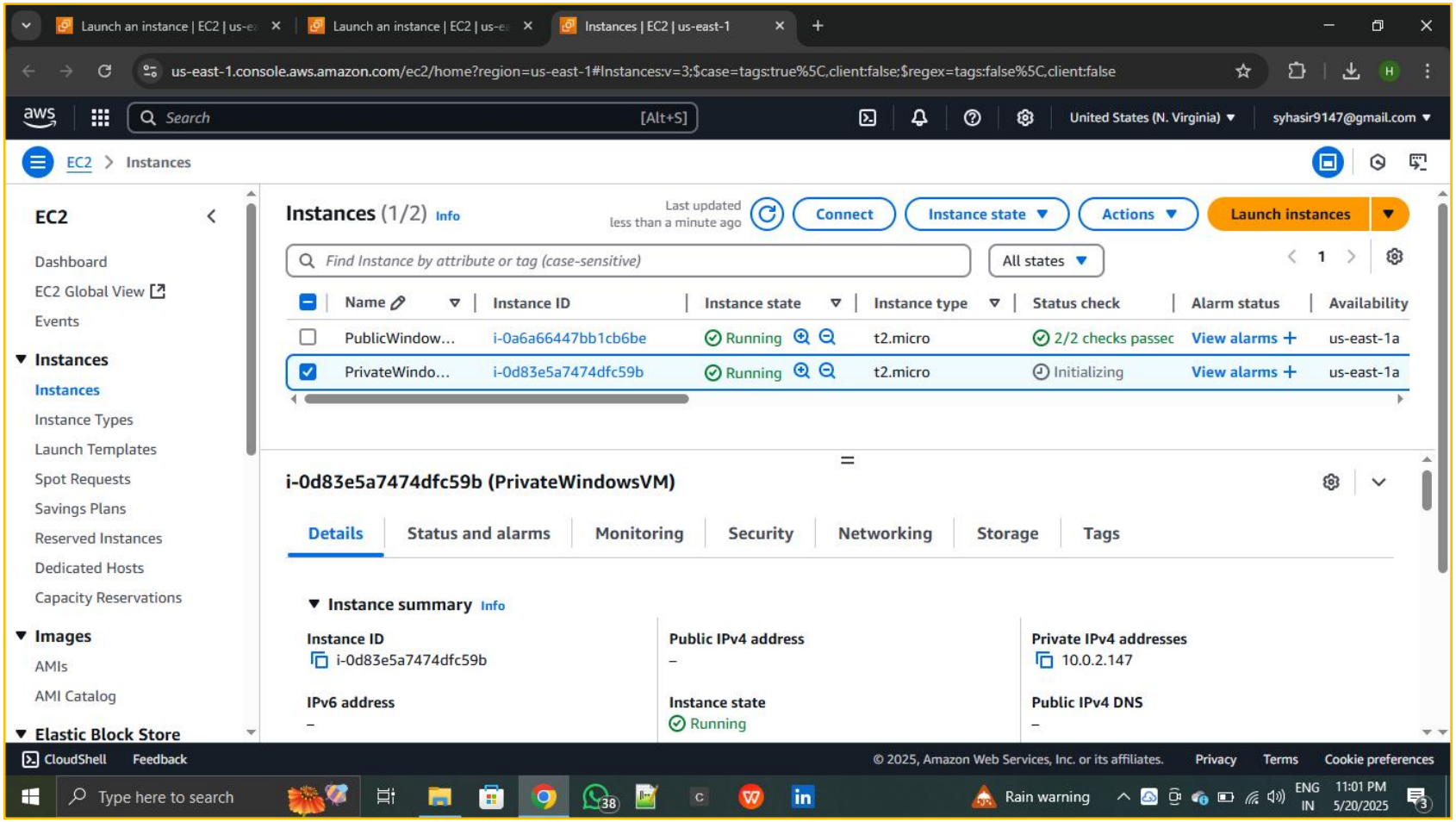
Step 7 - Private EC2 Launch

Launched another EC2 in Private Subnet (no public IP)



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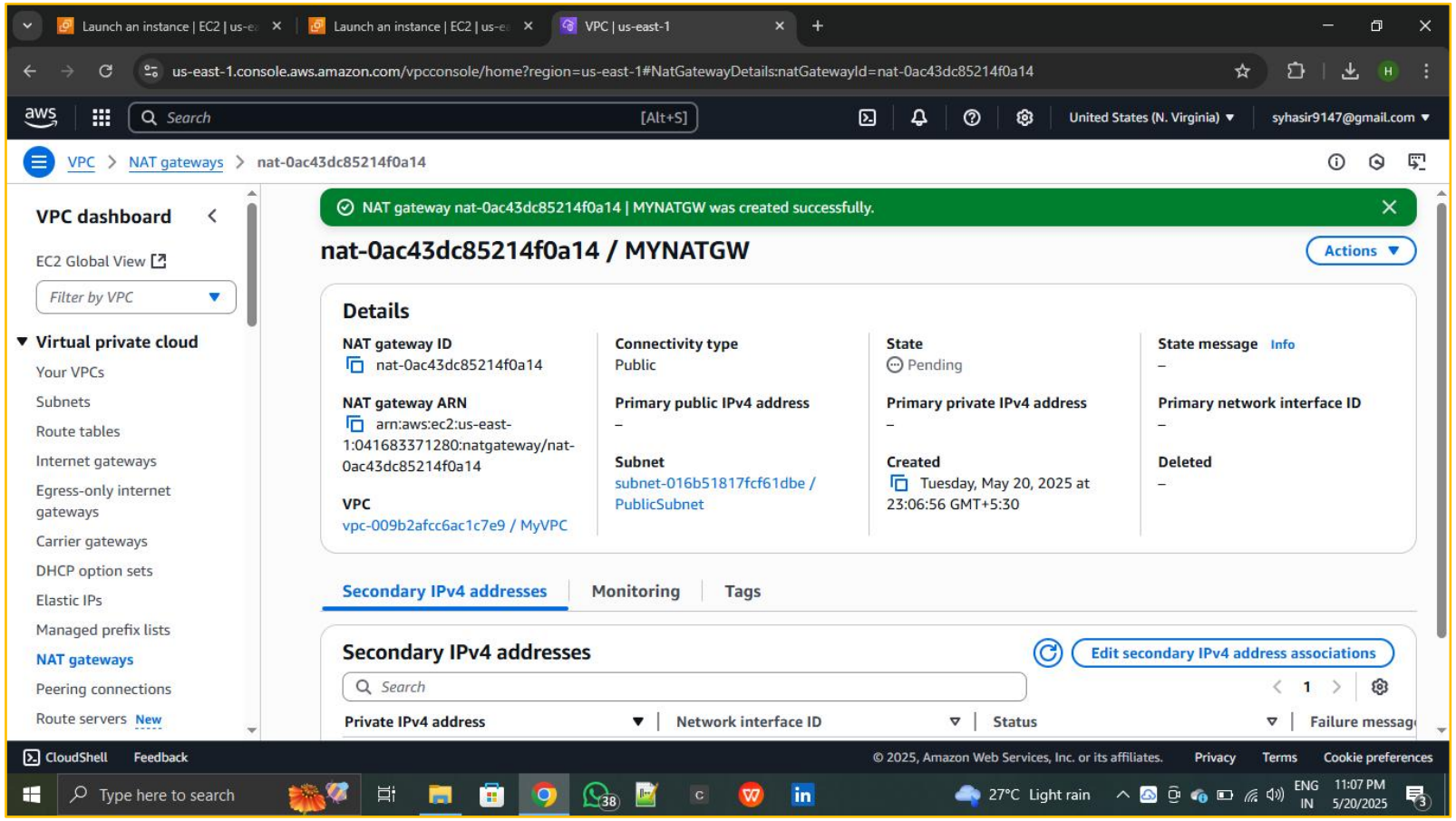
Step 8 - NAT Gateway

Created NAT Gateway for internet access from private subnet



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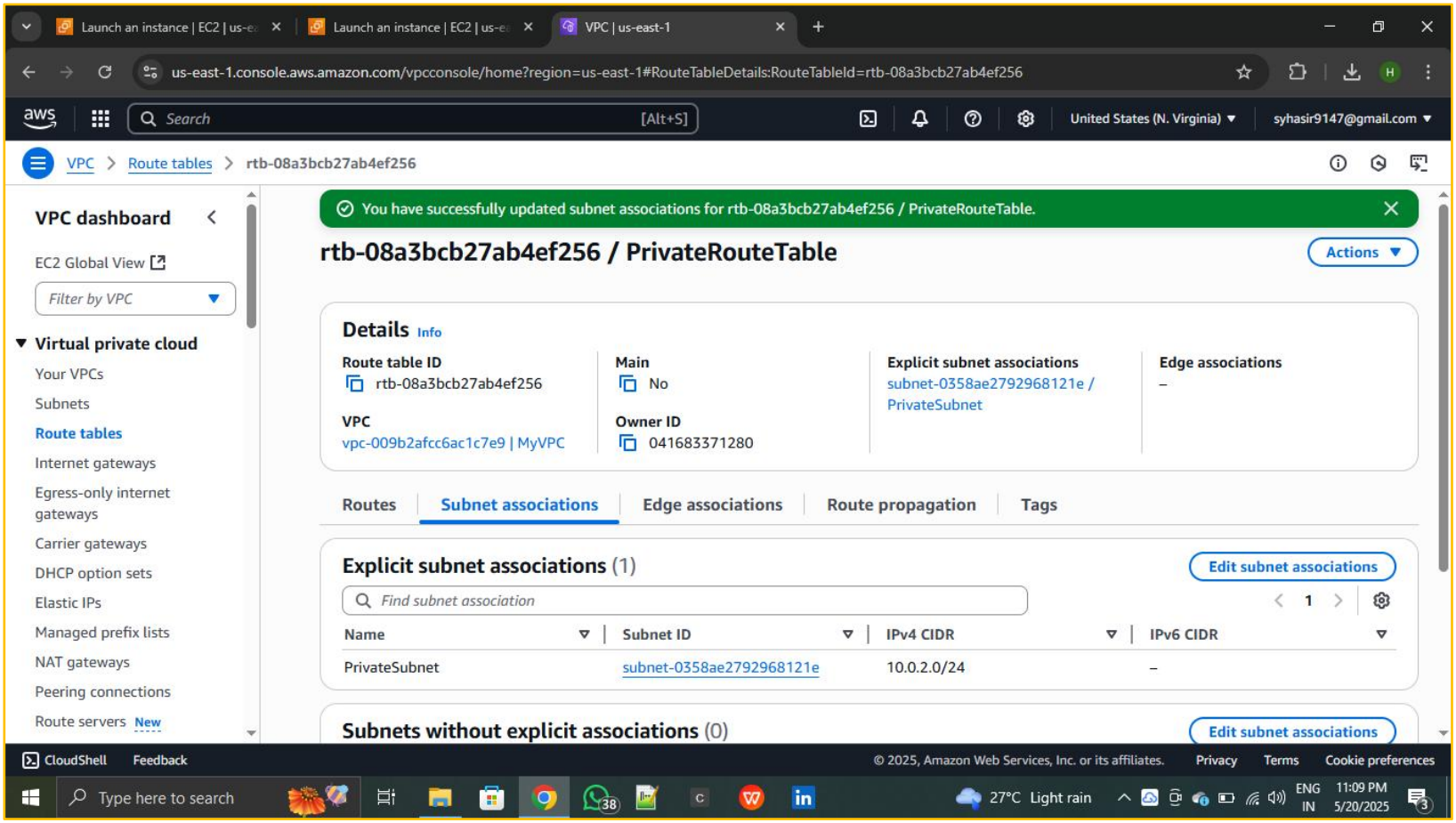
Step 9 - Private Route Table

Routed private subnet traffic to NAT Gateway



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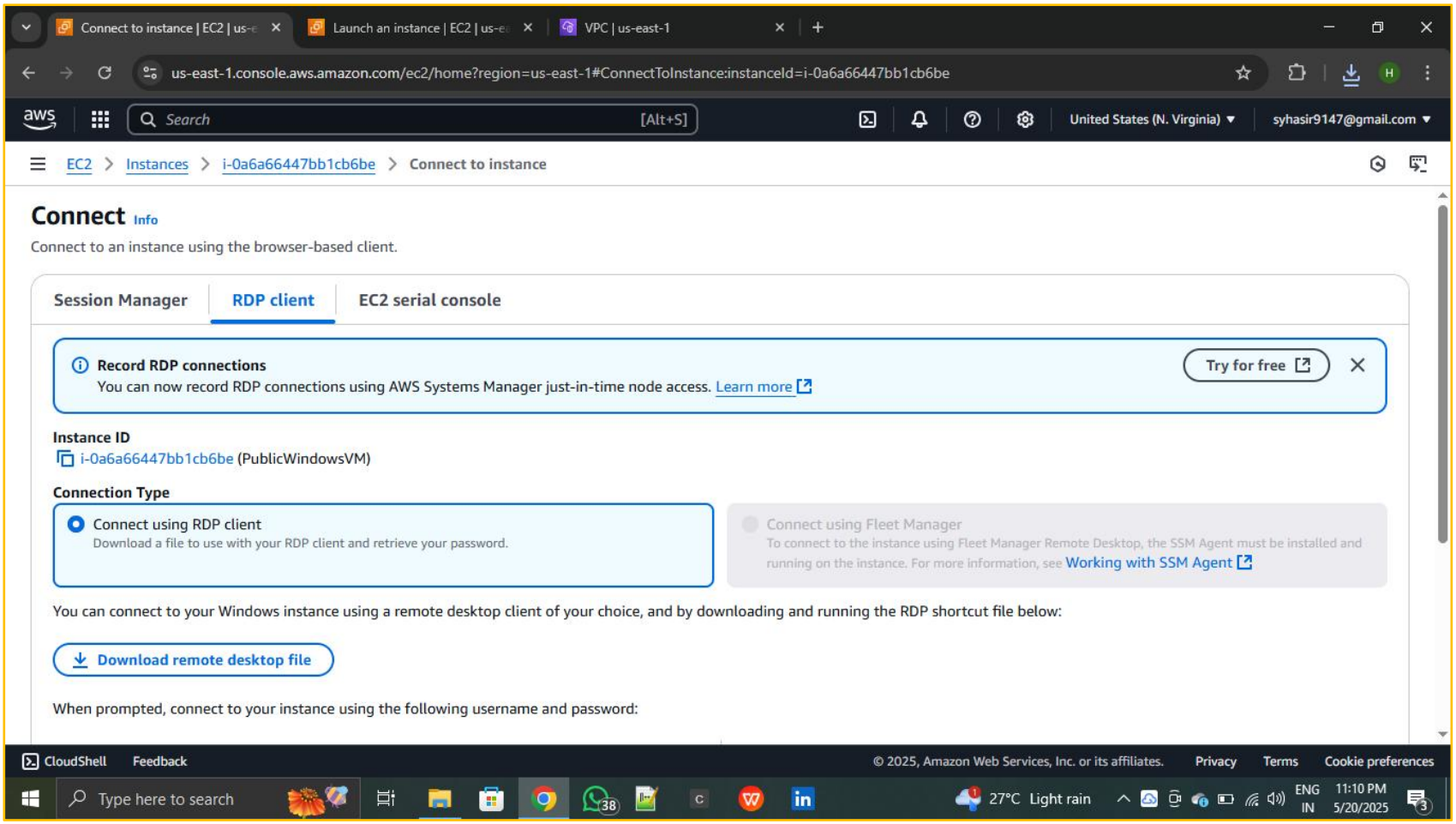
Step 10 - Connectivity Testing

Verified connectivity using ping & RDP



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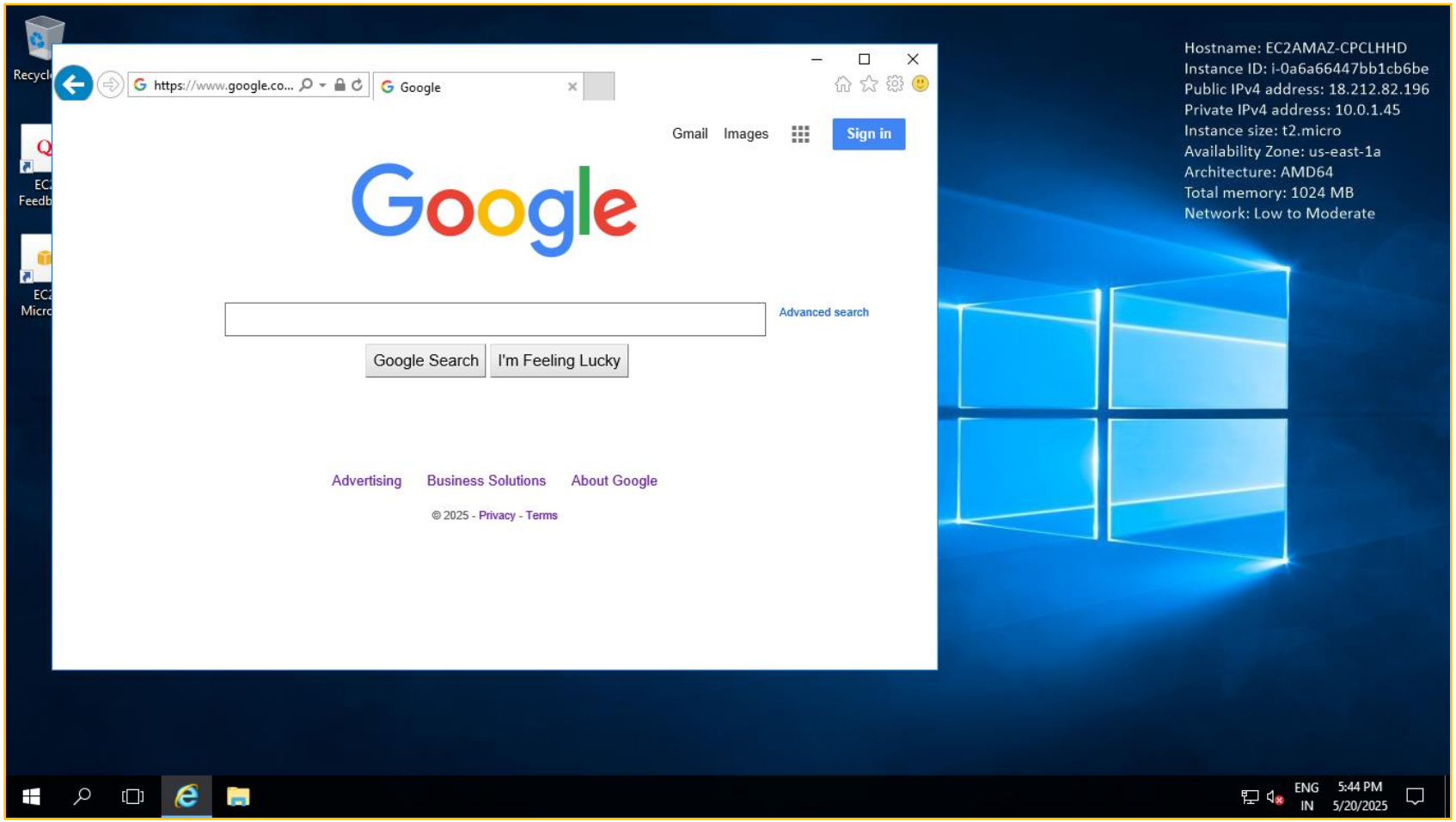
Connectivity Testing

Verified connectivity using ping & RDP



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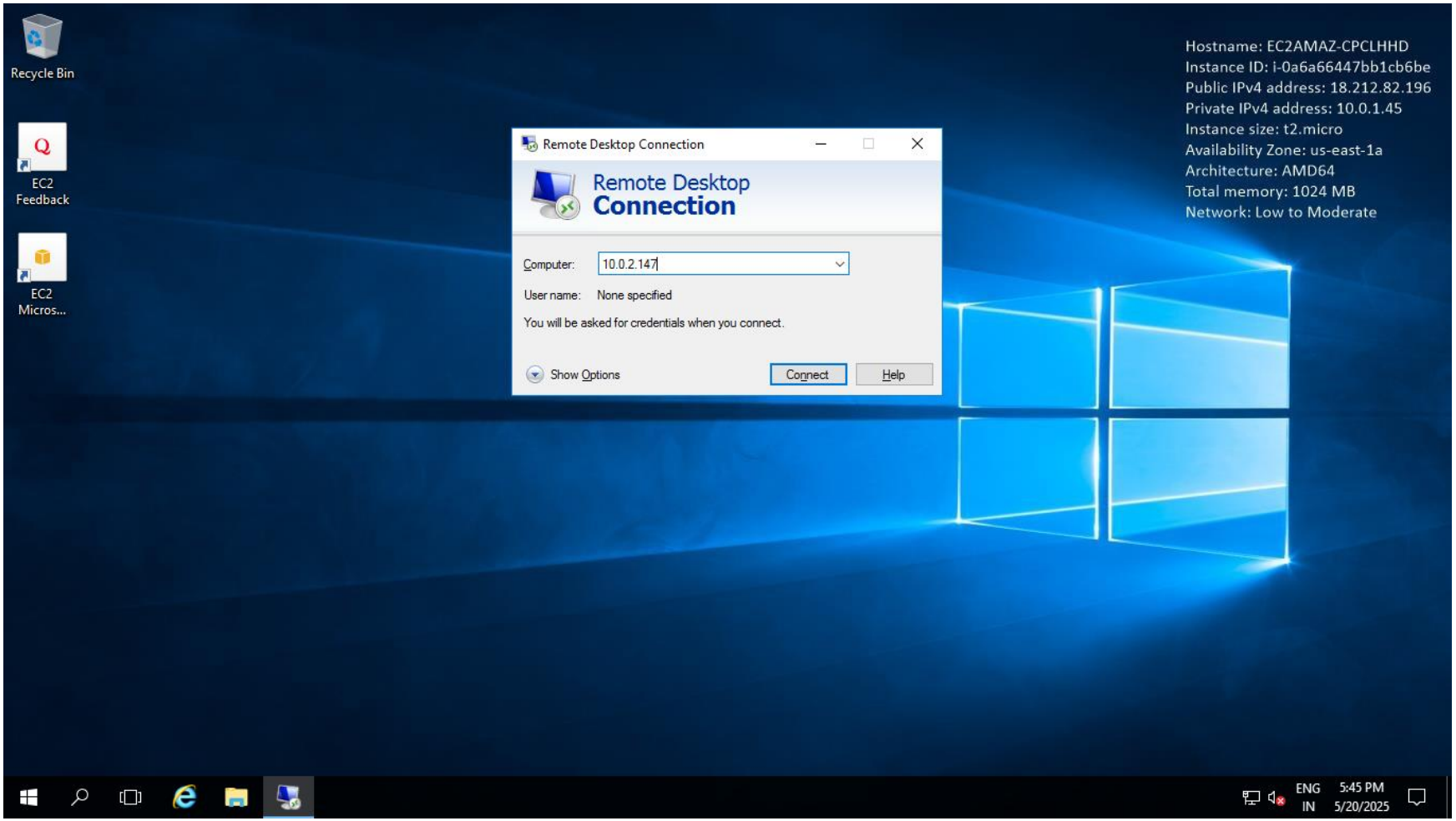
Connectivity Testing



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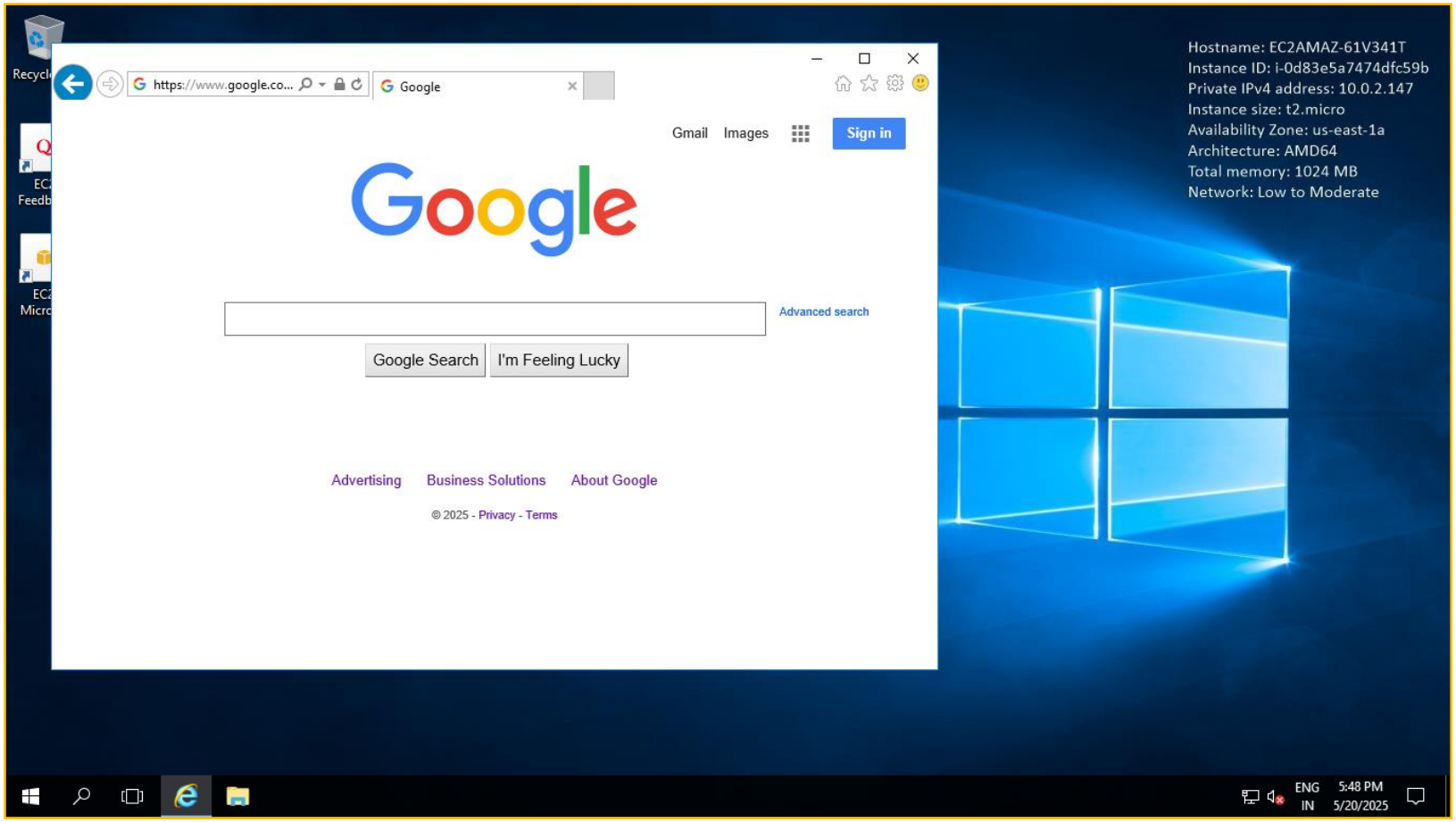
Connectivity Testing



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