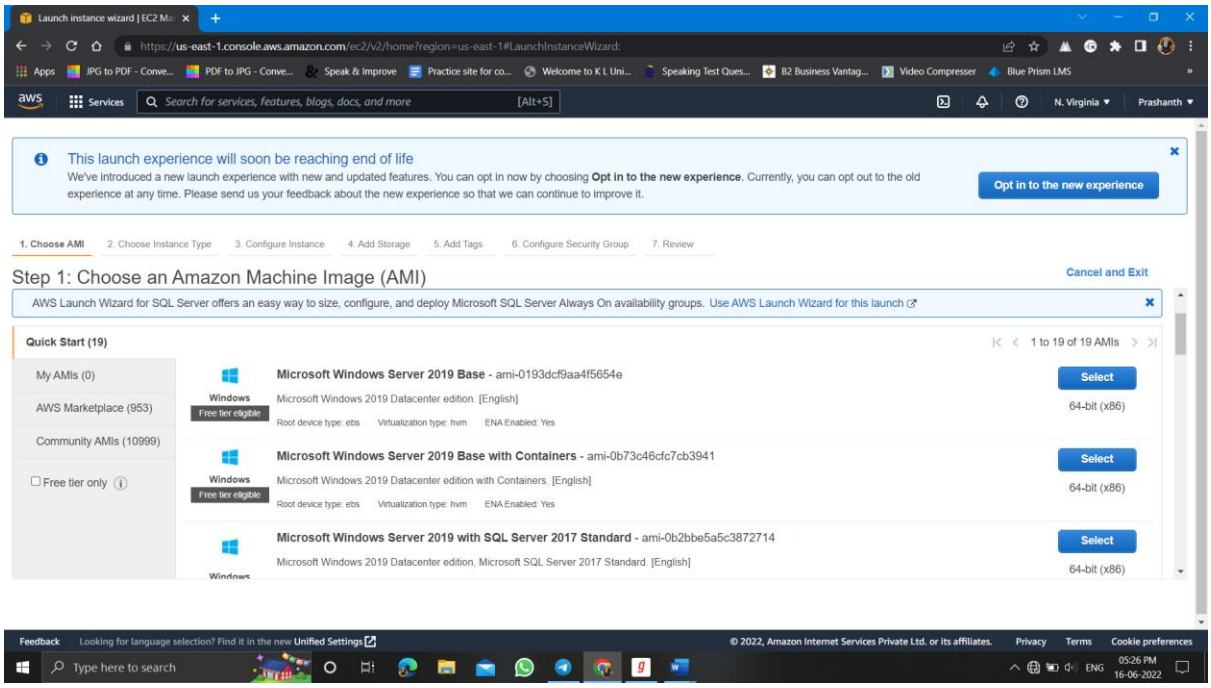
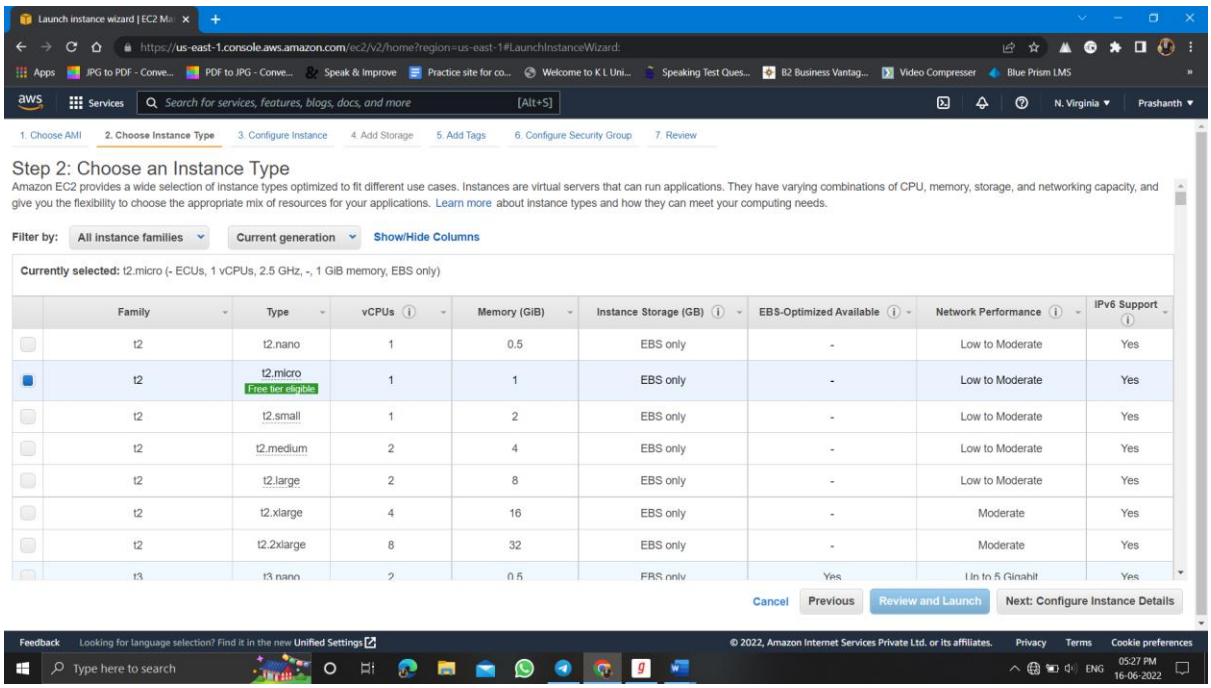
Name : C. Muni Prashanth
Course : AWS Developer Associate

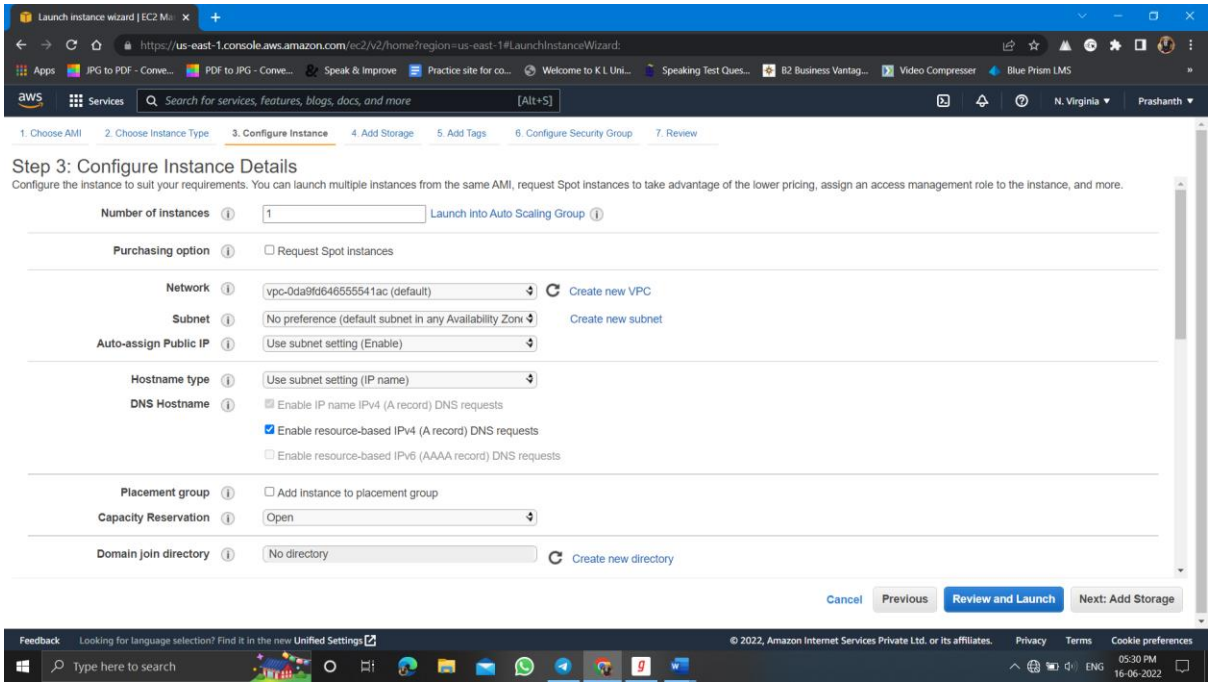
Section :04

Friday, June 17, 2022

Launch EC2 instance and connect it with RDP client






Launch instance wizard | EC2 M
https://us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
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1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 3: Configure Instance Details
Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.
Number of instances
1
Launch into Auto Scaling Group
Purchasing option
Request Spot instances
Network
vpc-0da9fd646555541ac (default)
Create new VPC
Subnet
No preference (default subnet in any Availability Zone
Create new subnet
Auto-assign Public IP
Use subnet setting (Enable)
Hostname type
Use subnet setting (IP name)
DNS Hostname
Enable IP name IPv4 (A record) DNS requests
Enable resource-based IPv4 (A record) DNS requests
Enable resource-based IPv6 (AAAA record) DNS requests
Placement group
Add instance to placement group
Capacity Reservation
Open
Domain join directory
No directory
Create new directory
Cancel
Previous
Review and Launch
Next: Add Storage
Feedback
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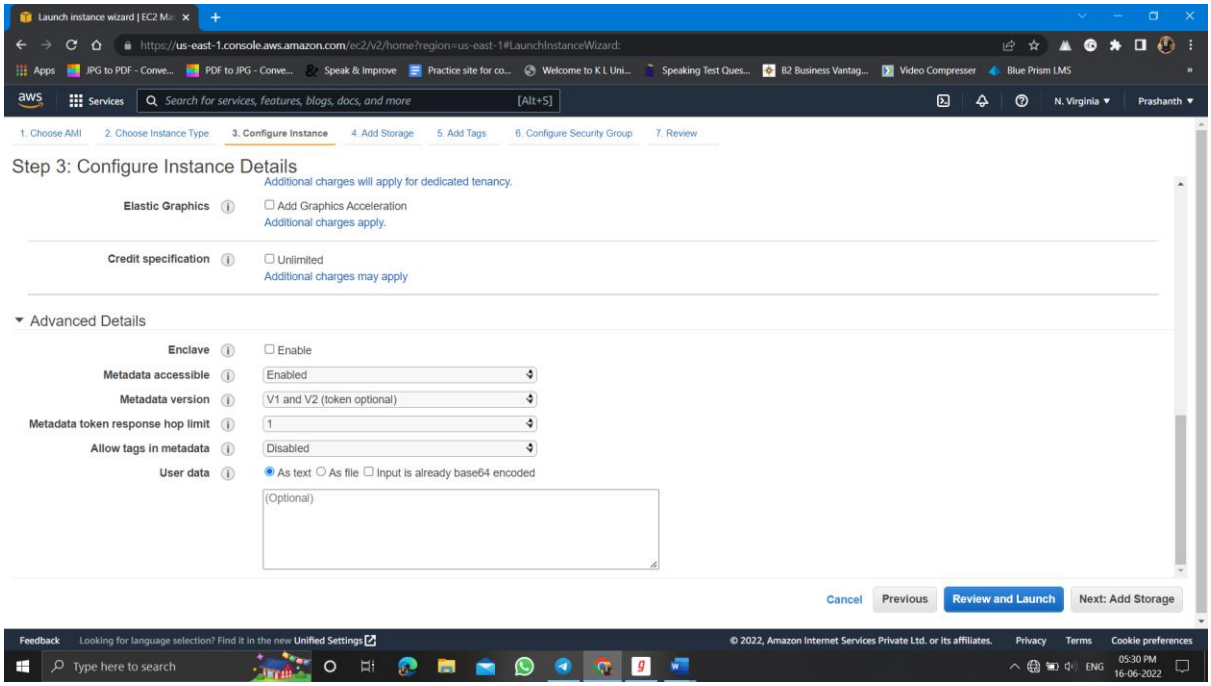
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7. Review
Step 3: Configure Instance Details
Additional charges will apply for dedicated tenancy.
Elastic Graphics
Add Graphics Acceleration
Additional charges apply.
Credit specification
Unlimited
Additional charges may apply
Advanced Details
Enclave
Enable
Metadata accessible
Enabled
Metadata version
V1 and V2 (token optional)
Metadata token response hop limit
1
Allow tags in metadata
Disabled
User data
As text
As file
Input is already base64 encoded
(Optional)
Cancel
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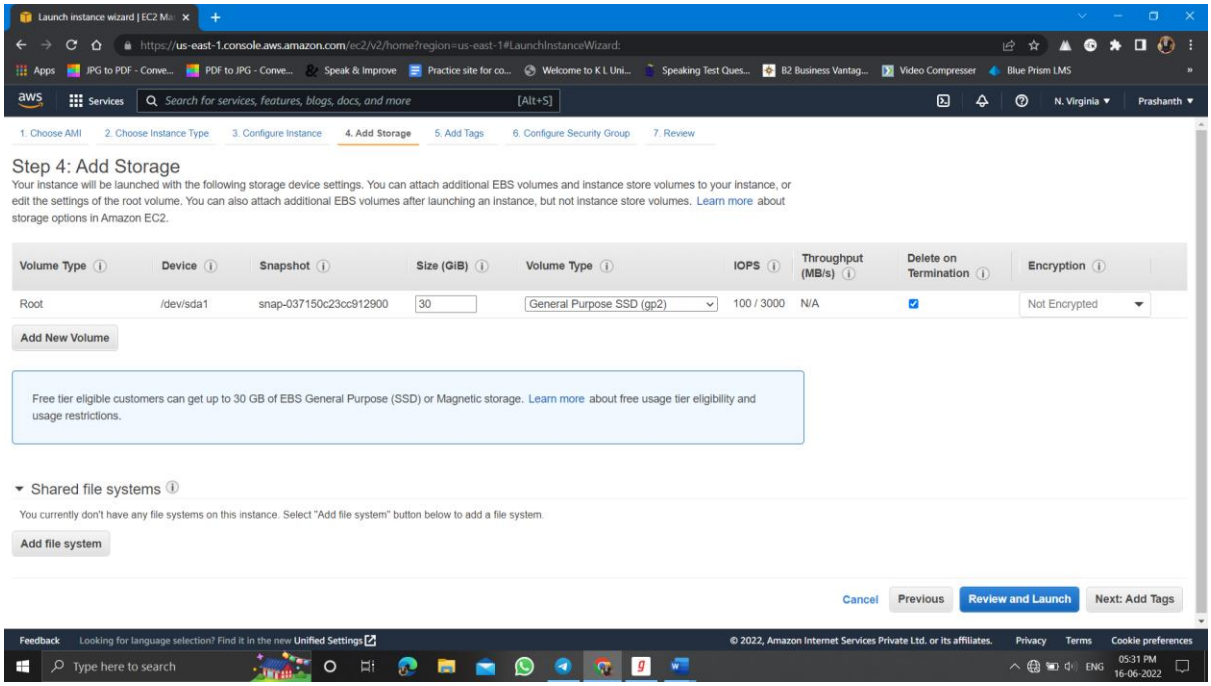
Launch instance wizard | EC2 M
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7. Review
Step 4: Add Storage
Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. Learn more about storage options in Amazon EC2.
Volume Type
Device
Snapshot
Size (GiB)
Volume Type
IOPS
Throughput (MB/s)
Delete on Termination
Encryption
Root
/dev/sda1
snap-037150c23cc912900
30
General Purpose SSD (gp2)
100 / 3000
N/A
Not Encrypted
Add New Volume
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. Learn more about free usage tier eligibility and usage restrictions.
Shared file systems
You currently don't have any file systems on this instance. Select "Add file system" button below to add a file system.
Add file system
Cancel
Previous
Review and Launch
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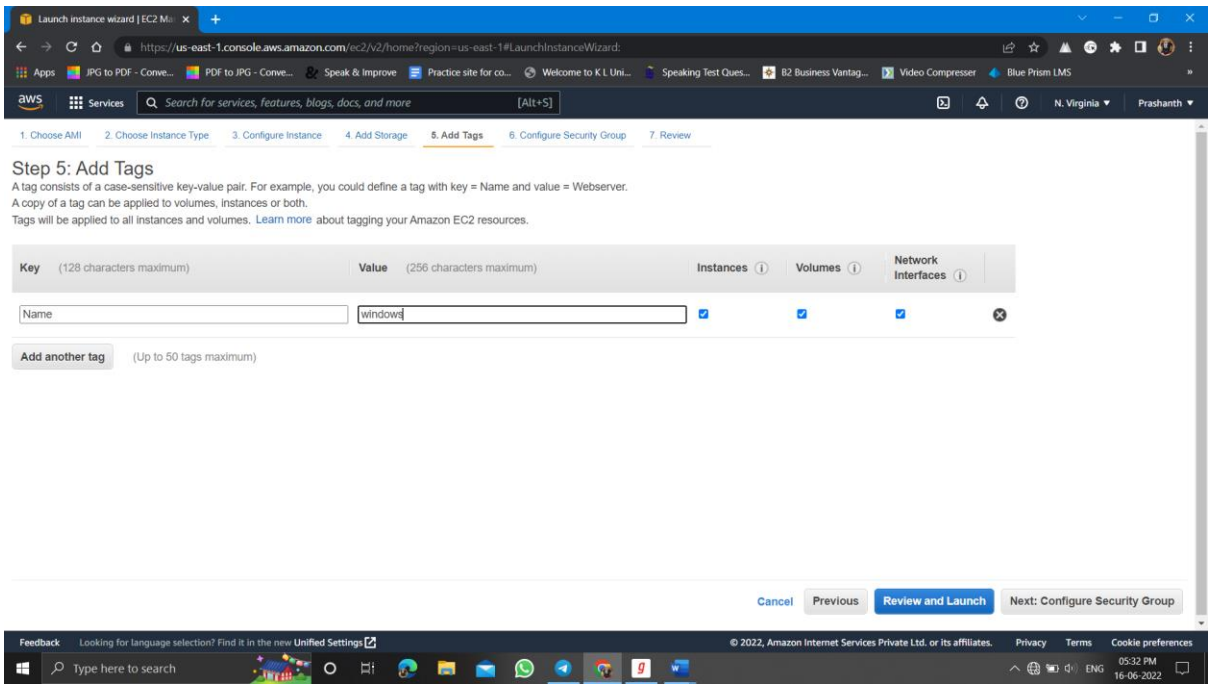
Launch instance wizard | EC2 M
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4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 5: Add Tags
A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.
A copy of a tag can be applied to volumes, instances or both.
Tags will be applied to all instances and volumes. Learn more about tagging your Amazon EC2 resources.
Key (128 characters maximum)
Value (256 characters maximum)
Instances
Volumes
Network Interfaces
Name
windows
Add another tag
(Up to 50 tags maximum)
Cancel
Previous
Review and Launch
Next: Configure Security Group
Feedback
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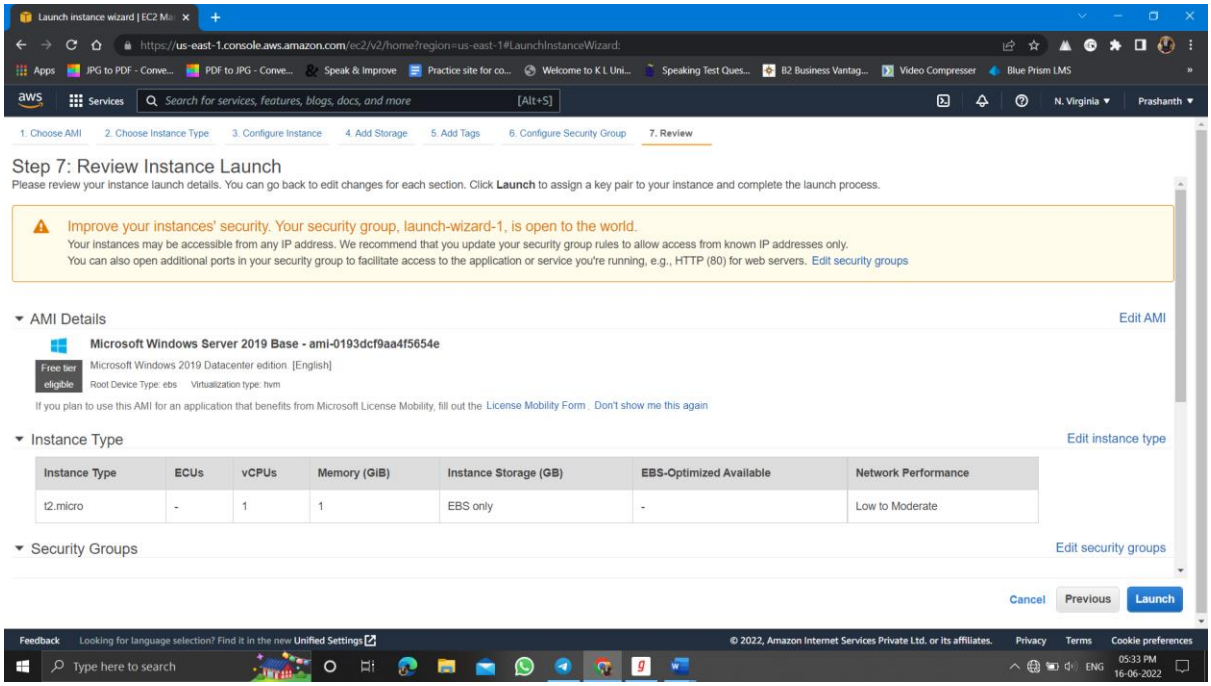
Launch instance wizard | EC2 M
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1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 7: Review Instance Launch
Please review your instance launch details. You can go back to edit changes for each section. Click Launch to assign a key pair to your instance and complete the launch process.
Improve your instances' security. Your security group, launch-wizard-1, is open to the world.
Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only.
You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. Edit security groups
AMI Details
Edit AMI
Microsoft Windows Server 2019 Base - ami-0193dcf9aa4f5654e
Free tier eligible
Microsoft Windows 2019 Datacenter edition. [English]
Root Device Type: ebs
Virtualization type: hvm
If you plan to use this AMI for an application that benefits from Microsoft License Mobility, fill out the License Mobility Form. Don't show me this again
Instance Type
Edit instance type
Instance Type
ECUs
vCPUs
Memory (GiB)
Instance Storage (GB)
EBS-Optimized Available
Network Performance
t2.micro
-
1
1
EBS only
-
Low to Moderate
Security Groups
Edit security groups
Cancel
Previous
Launch
Feedback
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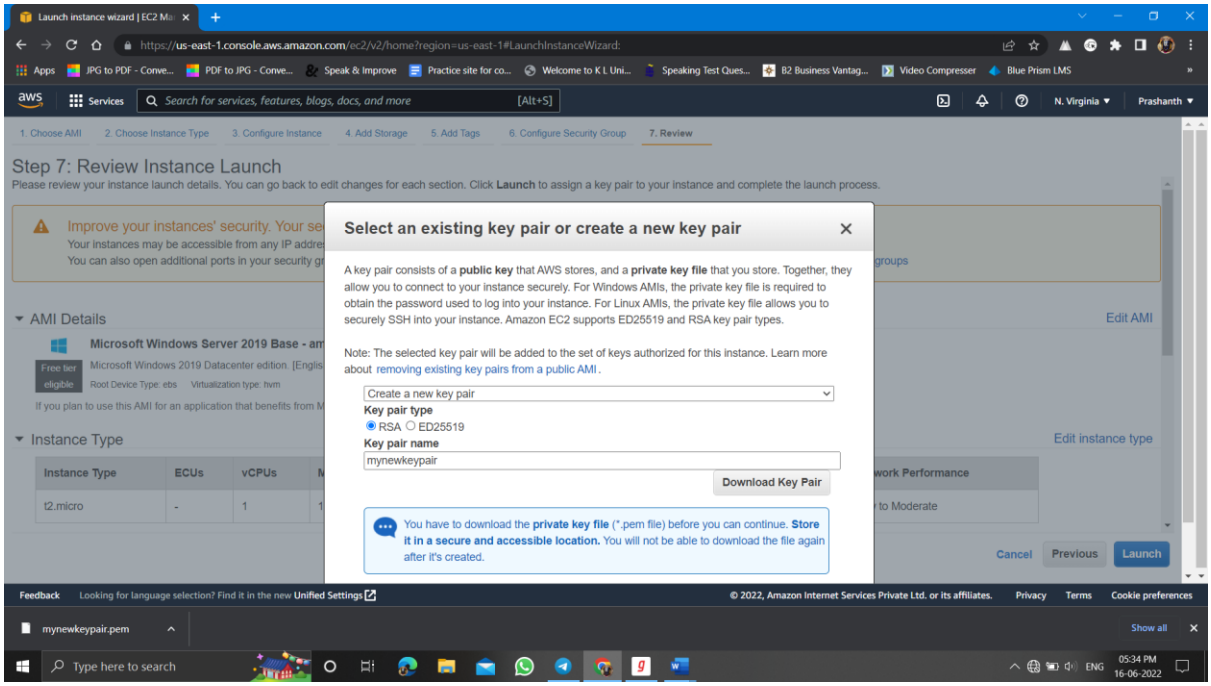
Launch instance wizard | EC2 M
https://us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
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1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 7: Review Instance Launch
Please review your instance launch details. You can go back to edit changes for each section. Click Launch to assign a key pair to your instance and complete the launch process.
Select an existing key pair or create a new key pair
A key pair consists of a public key that AWS stores, and a private key file that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance. Amazon EC2 supports ED25519 and RSA key pair types.
Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about removing existing key pairs from a public AMI.
Create a new key pair
Key pair type
RSA
ED25519
Key pair name
mynewkeypair
Download Key Pair
You have to download the private key file (*.pem file) before you can continue. Store it in a secure and accessible location. You will not be able to download the file again after it's created.
AMI Details
Edit AMI
Instance Type
Edit instance type
t2.micro
Cancel
Previous
Launch
Feedback
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mynewkeypair.pem
Show all
Type here to search
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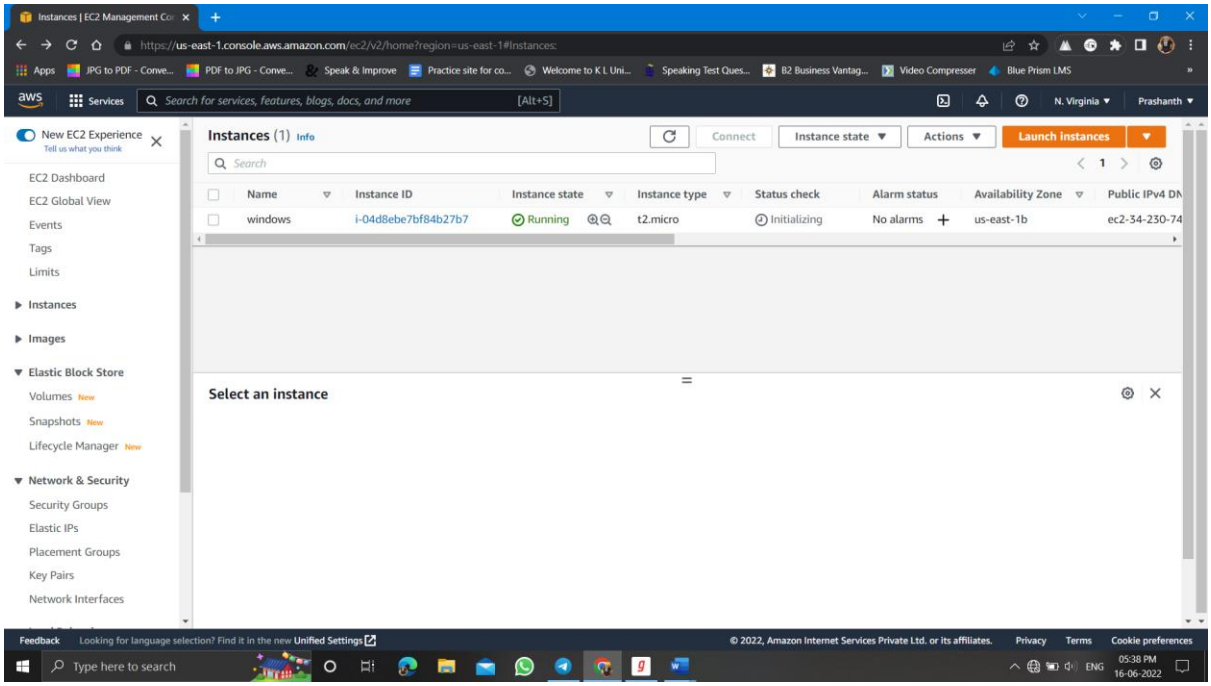
Instances | EC2 Management Co
https://us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:
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EC2 Global View
Events
Tags
Limits
Instances
Images
Elastic Block Store
Volumes New
Snapshots New
Lifecycle Manager New
Network & Security
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
Instances (1) Info
Connect
Instance state
Actions
Launch instances
Search
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DN
windows
i-04d8ebe7bf84b27b7
Running
t2.micro
Initializing
No alarms
us-east-1b
ec2-34-230-74
Select an instance
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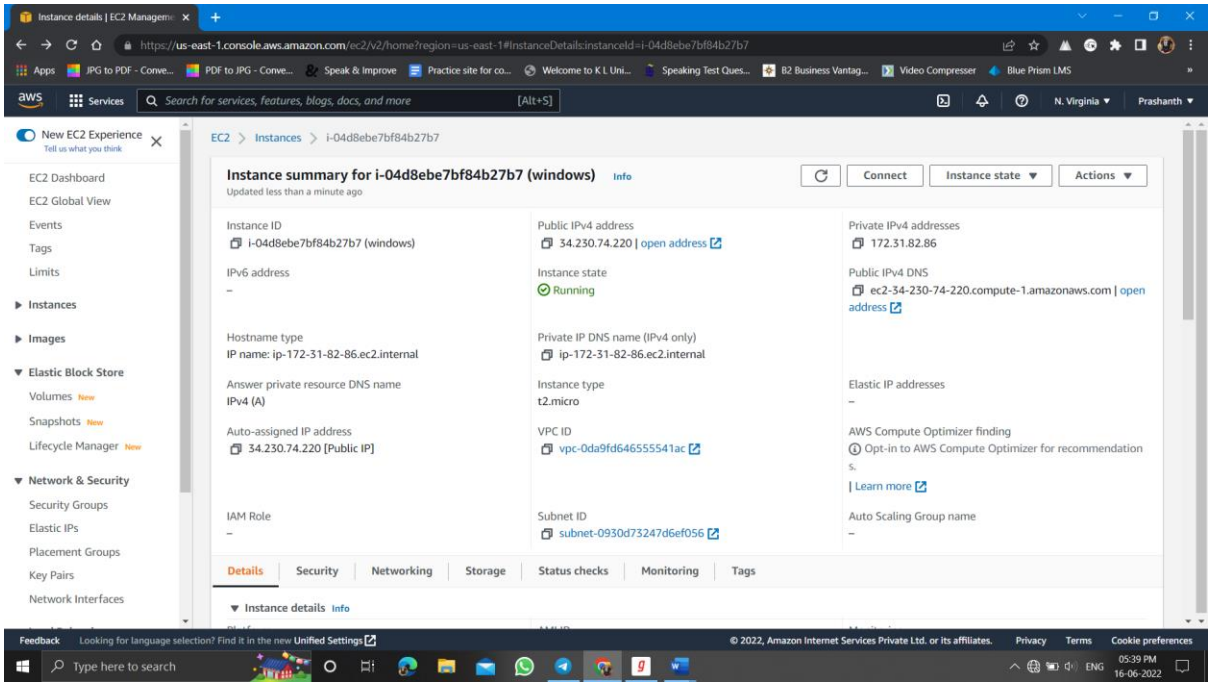
Instance details | EC2 Managem
https://us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#InstanceDetails:instanceId=i-04d8ebe7bf84b27b7
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New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Tags
Limits
Instances
Images
Elastic Block Store
Volumes New
Snapshots New
Lifecycle Manager New
Network & Security
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
EC2 > Instances > i-04d8ebe7bf84b27b7
Instance summary for i-04d8ebe7bf84b27b7 (windows) Info
Updated less than a minute ago
Connect
Instance state
Actions
Instance ID
i-04d8ebe7bf84b27b7 (windows)
Public IPv4 address
34.230.74.220 | open address
Private IPv4 addresses
172.31.82.86
IPv6 address
–
Instance state
Running
Public IPv4 DNS
ec2-34-230-74-220.compute-1.amazonaws.com | open address
Hostname type
IP name: ip-172-31-82-86.ec2.internal
Private IP DNS name (IPv4 only)
ip-172-31-82-86.ec2.internal
Answer private resource DNS name
IPv4 (A)
Instance type
t2.micro
Elastic IP addresses
–
Auto-assigned IP address
34.230.74.220 [Public IP]
VPC ID
vpc-0da9fd646555541ac
AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations.
| Learn more
IAM Role
–
Subnet ID
subnet-0930d73247d6ef056
Auto Scaling Group name
–
Details
Security
Networking
Storage
Status checks
Monitoring
Tags
Instance details Info
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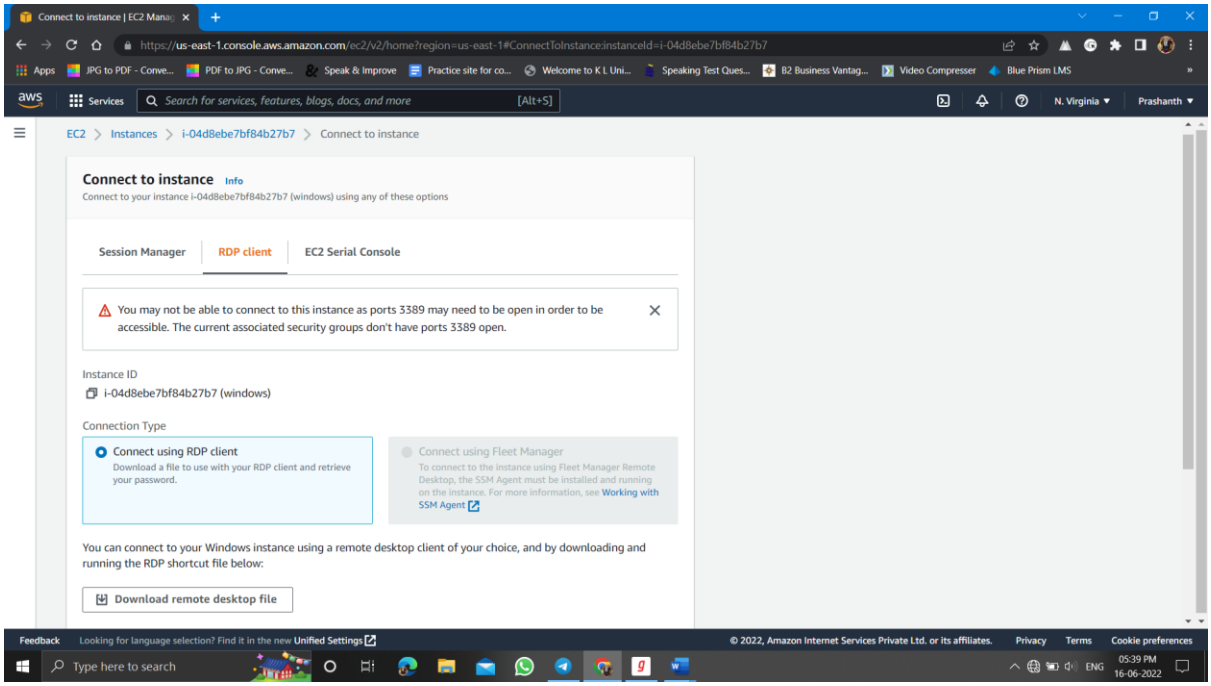
Connect to instance | EC2 Manag
https://us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#ConnectToInstance:instanceId=i-04d8ebe7bf84b27b7
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EC2 > Instances > i-04d8ebe7bf84b27b7 > Connect to instance
Connect to instance Info
Connect to your instance i-04d8ebe7bf84b27b7 (windows) using any of these options
Session Manager
RDP client
EC2 Serial Console
You may not be able to connect to this instance as ports 3389 may need to be open in order to be accessible. The current associated security groups don't have ports 3389 open.
Instance ID
i-04d8ebe7bf84b27b7 (windows)
Connection Type
Connect using RDP client
Download a file to use with your RDP client and retrieve your password.
Connect using Fleet Manager
To connect to the instance using Fleet Manager Remote Desktop, the SSM Agent must be installed and running on the instance. For more information, see Working with SSM Agent
You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:
Download remote desktop file
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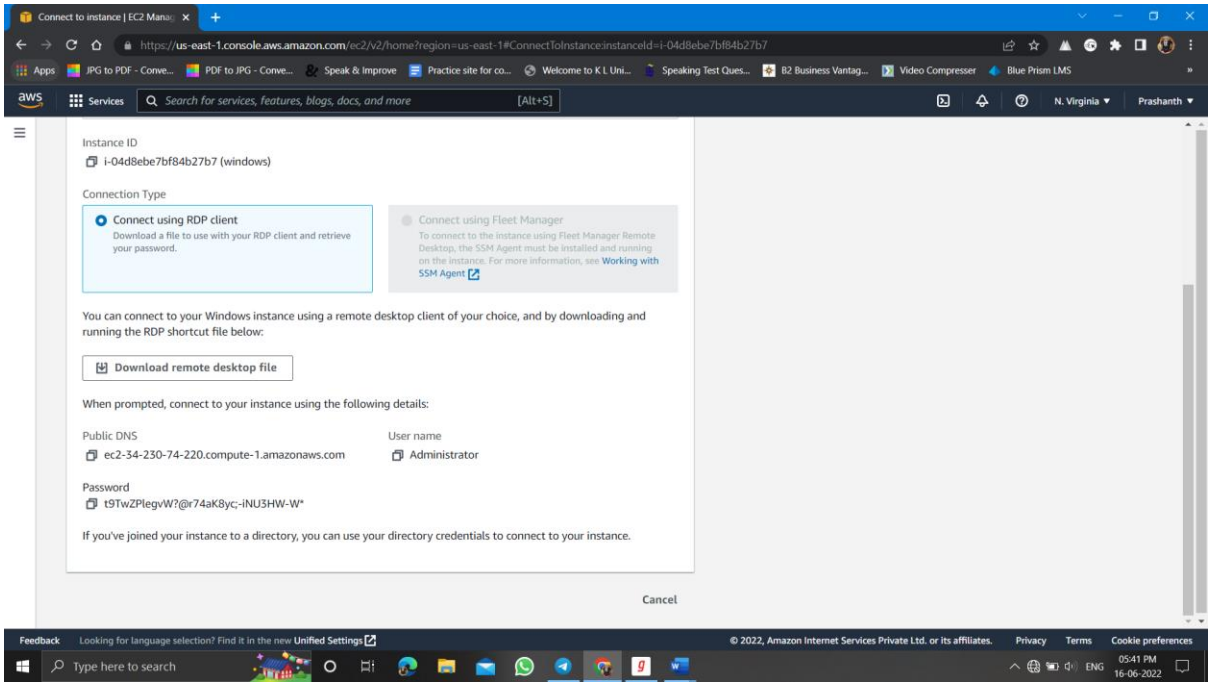
Connect to instance | EC2 Manag
https://us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#ConnectToInstance:instanceId=i-04d8ebe7bf84b27b7
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Instance ID
i-04d8ebe7bf84b27b7 (windows)
Connection Type
Connect using RDP client
Download a file to use with your RDP client and retrieve your password.
Connect using Fleet Manager
To connect to the instance using Fleet Manager Remote Desktop, the SSM Agent must be installed and running on the instance. For more information, see Working with SSM Agent
You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:
Download remote desktop file
When prompted, connect to your instance using the following details:
Public DNS
ec2-34-230-74-220.compute-1.amazonaws.com
User name
Administrator
Password
t9TwZPlegvW?@r74aK8yc;-iNU3HW-W*
If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.
Cancel
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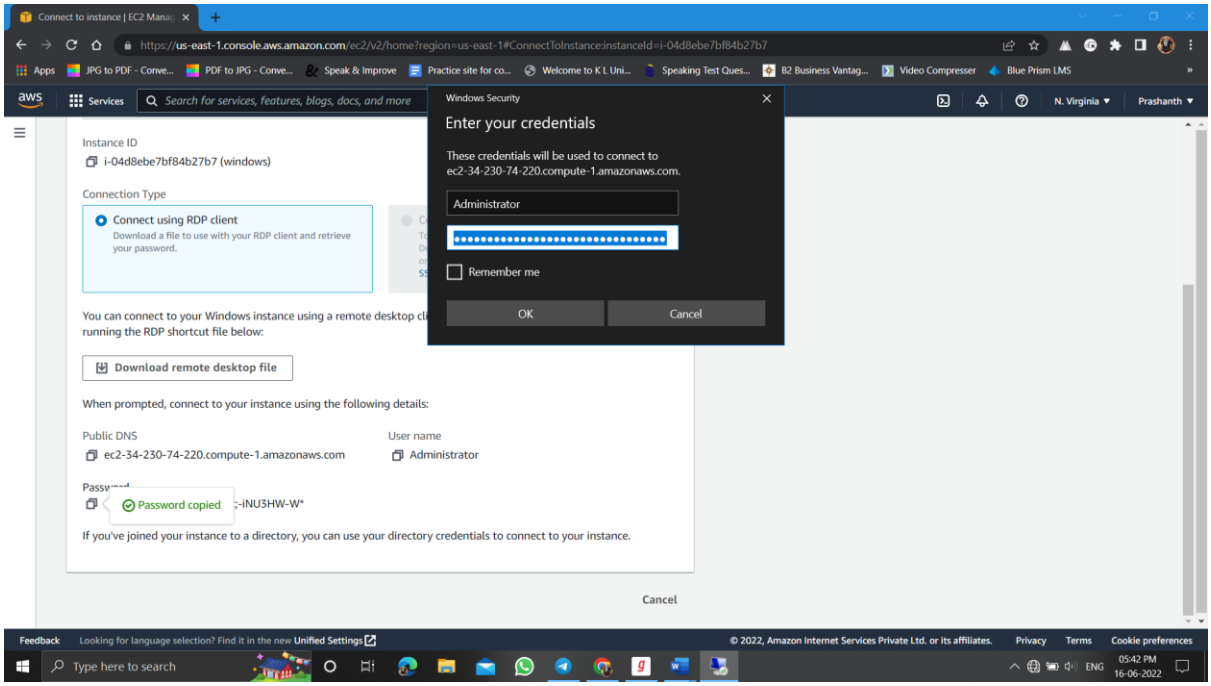
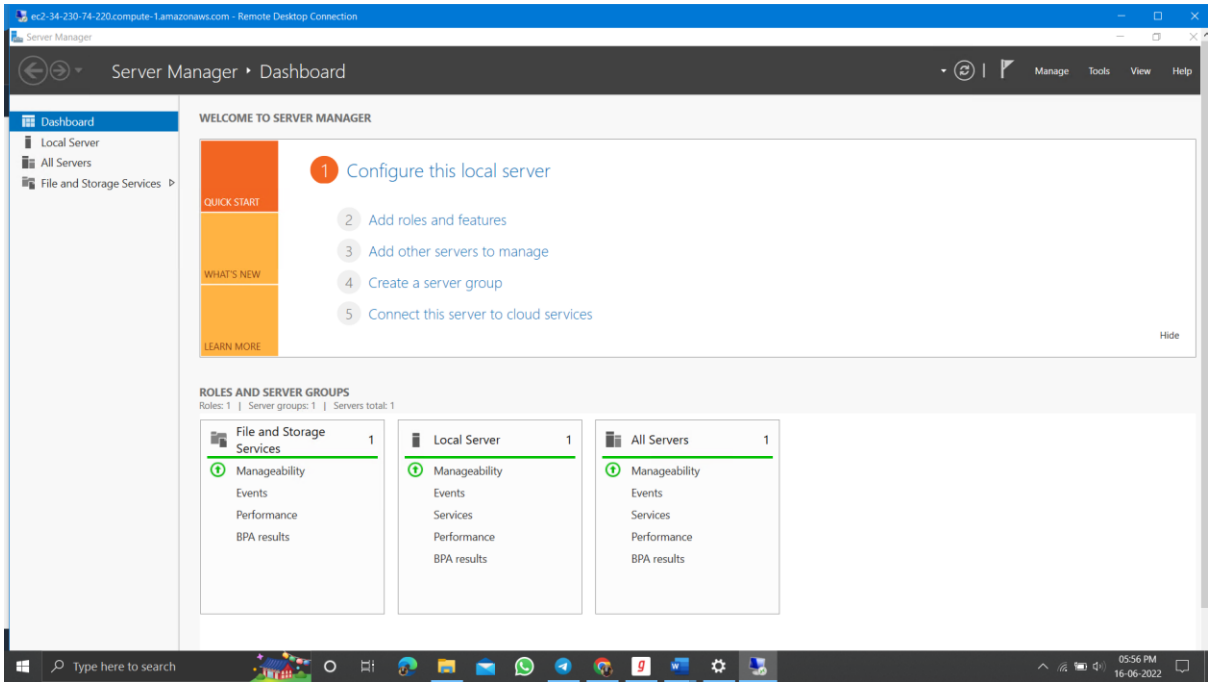
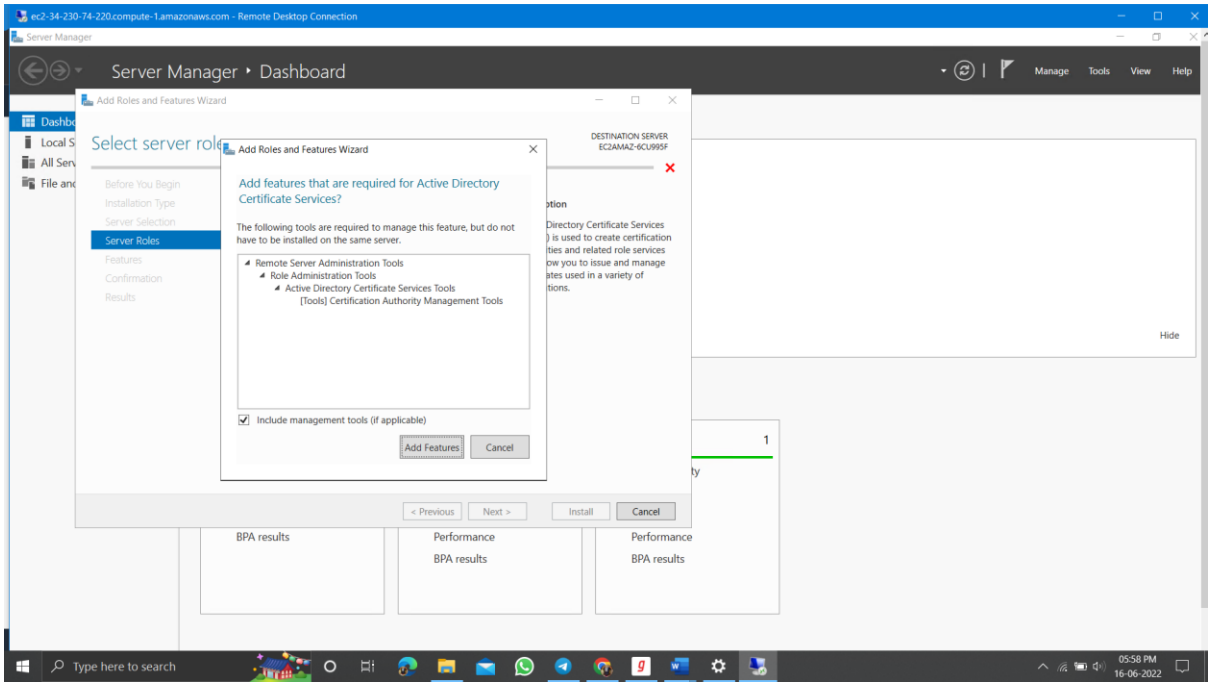

Windows Security
Enter your credentials
These credentials will be used to connect to ec2-34-230-74-220.compute-1.amazonaws.com.
Administrator
Remember me
OK
Cancel
Instance ID
i-04d8ebe7bf84b27b7 (windows)
Connection Type
Connect using RDP client
Download a file to use with your RDP client and retrieve your password.
Download remote desktop file
When prompted, connect to your instance using the following details:
Public DNS
ec2-34-230-74-220.compute-1.amazonaws.com
User name
Administrator
Password copied
If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.
Cancel


Server Manager • Dashboard
Manage
Tools
View
Help
Dashboard
Local Server
All Servers
File and Storage Services
WELCOME TO SERVER MANAGER
QUICK START
WHAT'S NEW
LEARN MORE
1 Configure this local server
2 Add roles and features
3 Add other servers to manage
4 Create a server group
5 Connect this server to cloud services
Hide
ROLES AND SERVER GROUPS
Roles: 1 | Server groups: 1 | Servers total: 1
File and Storage Services 1
Local Server 1
All Servers 1
Manageability
Events
Services
Performance
BPA results


ec2-34-230-74-220.compute-1.amazonaws.com - Remote Desktop Connection
Server Manager
Server Manager ‣ Dashboard
Manage
Tools
View
Help
Add Roles and Features Wizard
Select server role
DESTINATION SERVER
EC2AMAZ-6CU995F
Add Roles and Features Wizard
Add features that are required for Active Directory Certificate Services?
The following tools are required to manage this feature, but do not have to be installed on the same server.
Remote Server Administration Tools
Role Administration Tools
Active Directory Certificate Services Tools
[Tools] Certification Authority Management Tools
Include management tools (if applicable)
Add Features
Cancel
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
< Previous
Next >
Install
Cancel
Hide
BPA results
Performance
BPA results
Performance
BPA results
Type here to search
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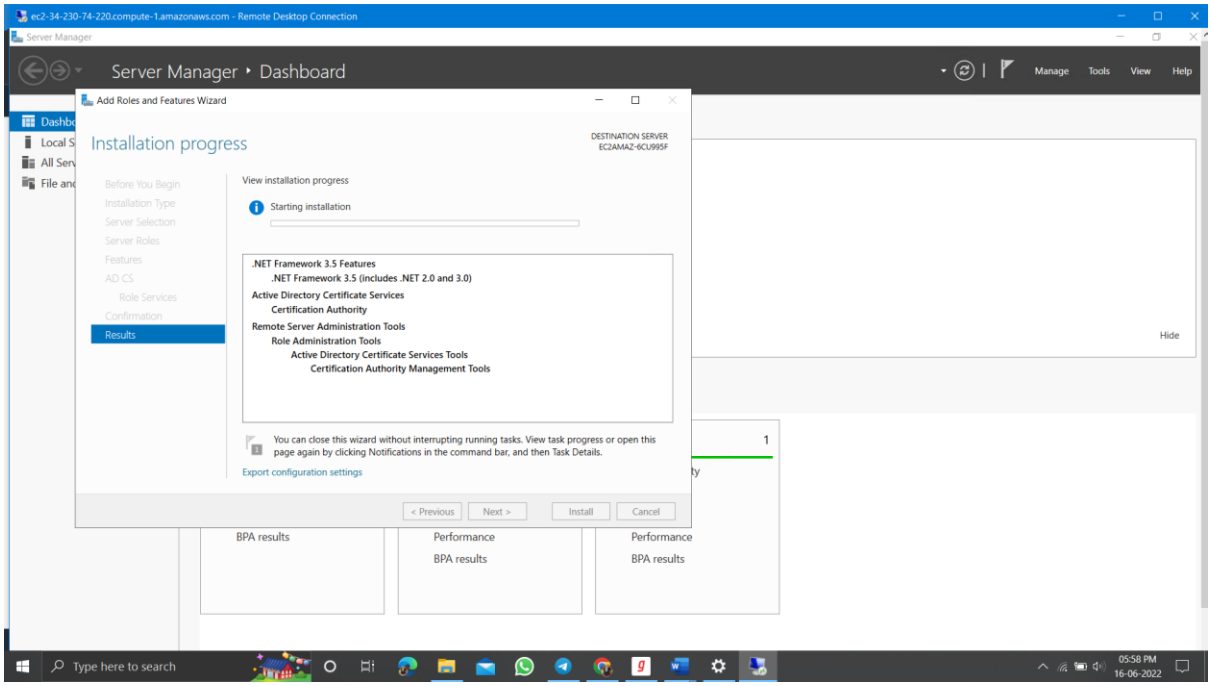
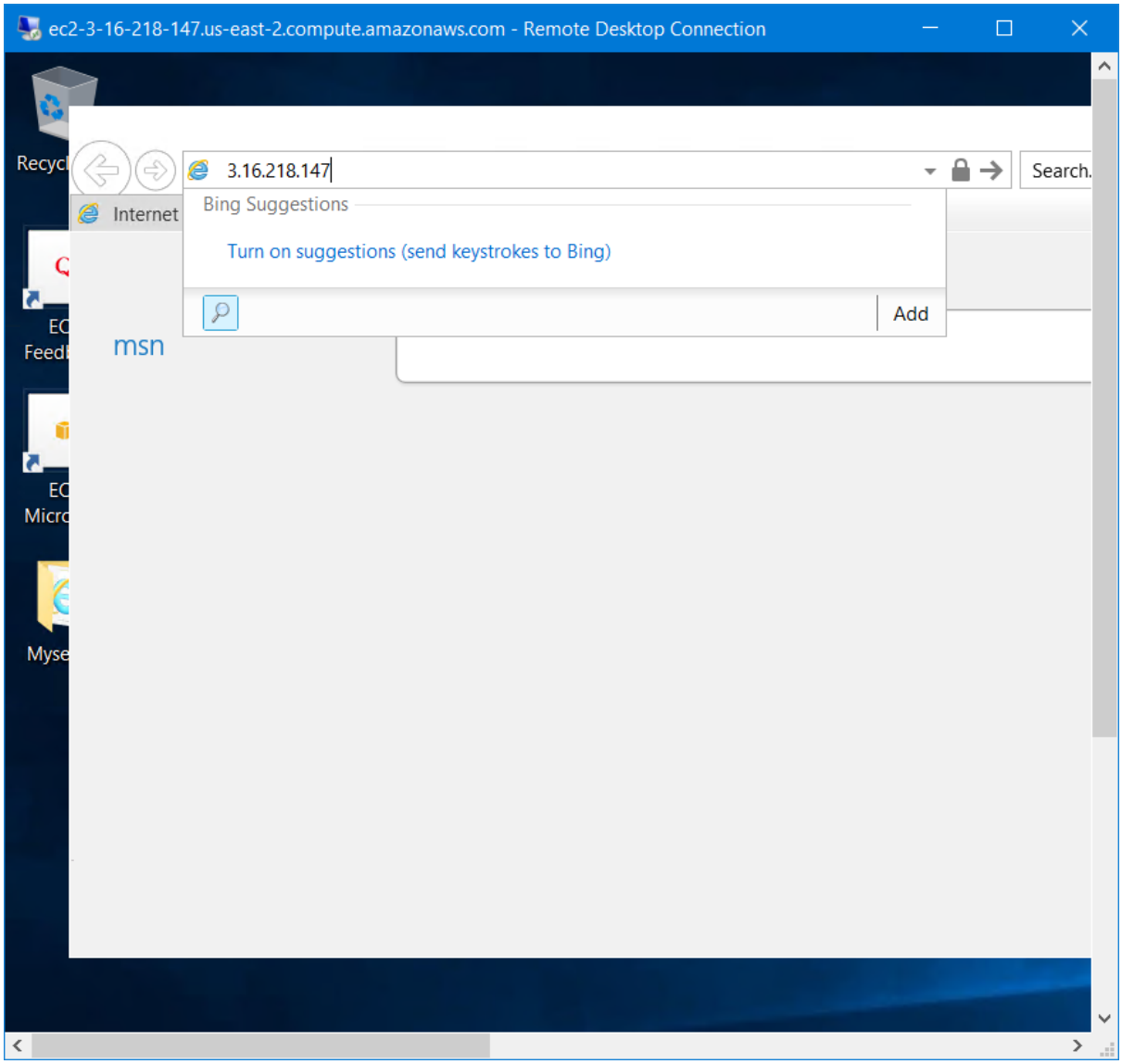
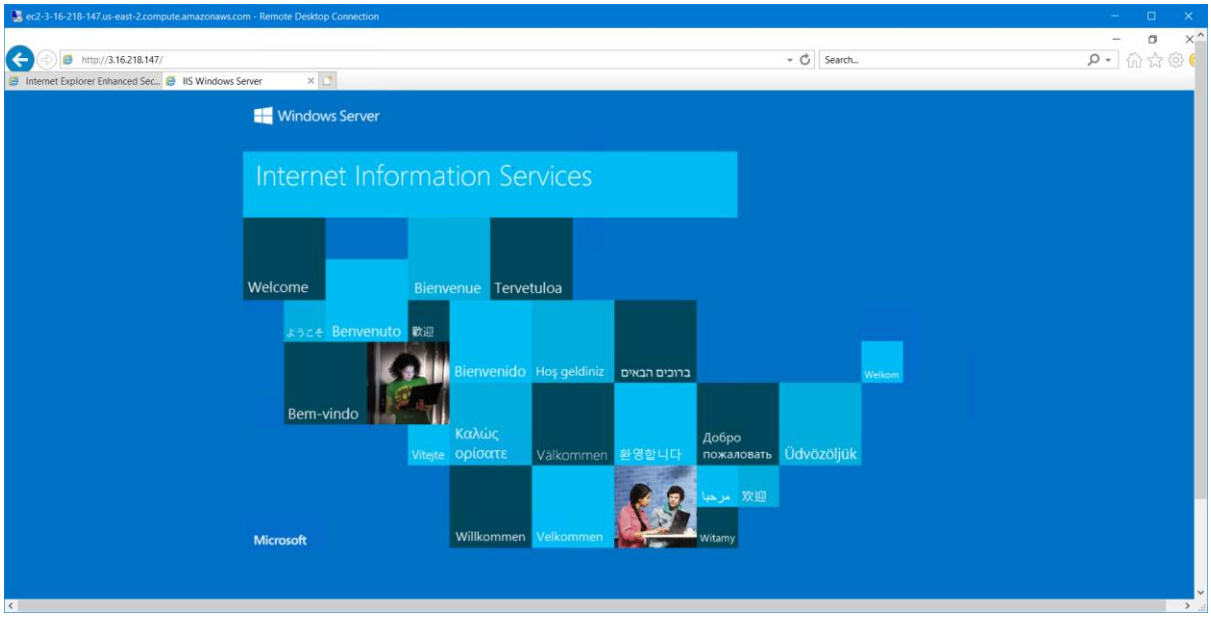

ec2-34-230-74-220.compute-1.amazonaws.com - Remote Desktop Connection
Server Manager
Server Manager ‣ Dashboard
Manage
Tools
View
Help
Add Roles and Features Wizard
Installation progress
DESTINATION SERVER
EC2AMAZ-6CU995F
View installation progress
Starting installation
.NET Framework 3.5 Features
.NET Framework 3.5 (includes .NET 2.0 and 3.0)
Active Directory Certificate Services
Certification Authority
Remote Server Administration Tools
Role Administration Tools
Active Directory Certificate Services Tools
Certification Authority Management Tools
You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.
Export configuration settings
Before You Begin
Installation Type
Server Selection
Server Roles
Features
AD CS
Role Services
Confirmation
Results
< Previous
Next >
Install
Cancel
Hide
BPA results
Performance
BPA results
Performance
BPA results
Type here to search
05:58 PM
16-06-2022


ec2-3-16-218-147.us-east-2.compute.amazonaws.com - Remote Desktop Connection
3.16.218.147
Search.
Internet
Bing Suggestions
Turn on suggestions (send keystrokes to Bing)
Add
msn


Windows Server
Internet Information Services
Welcome
Bienvenue
Tervetuloa
Benvenuto
Bienvenido
Hoş geldiniz
ברוכים הבאים
Bem-vindo
Καλώς ορίσατε
Välkommen
환영합니다
Добро пожаловать
Üdvözöljük
Willkommen
Velkommen
Witamy
Microsoft