

Name: Prashanth Raghavendra Rao

Task: AWS 1

Date: 27/05/2025

Task Description:

Create a windows Vm machine in AWS and connect with RDP open CMD in windows share the about system info.

## 1. Create Instance

The screenshot displays the AWS Management Console interface for creating a new EC2 instance. The page is titled "Launch an instance" and includes a "Take a walkthrough" button. The "Name and tags" section shows the instance name "windowsprashant". The "Application and OS Images (Amazon Machine Image)" section shows the "Microsoft Windows Server 2025 Base" AMI. The "Instance type" section shows "t3.micro". The "Key pair (login)" section shows the key pair "guirprashanth". The "Network settings" section shows the network "vpc-0f8918f0bea61af1e" and the subnet "No preference (Default subnet in any availability zone)". The "Summary" section shows the instance name, AMI, instance type, security group, and storage. A "Free tier" notification is also visible.

**Launch an instance** [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

**Name and tags** [Info](#)

Name: windowsprashant [Add additional tags](#)

**Application and OS Images (Amazon Machine Image)** [Info](#)

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 your full catalog including 1000s of application and OS images

**Recents** **Quick Start**

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Linux Debian

**Amazon Machine Image (AMI)**

Microsoft Windows Server 2025 Base  
ami-0266c164a2a73942 (64-bit x86)  
Virtualization: true | 32k enabled: true | Root device type: ebs

**Description**

Microsoft Windows Server 2025 Datacenter edition, [English]

Microsoft Windows Server 2025 Full Locale English AMI provided by Amazon

Architecture: 64-bit (x86) | AMI ID: ami-0266c164a2a73942 | Publish Date: 2025-05-15 | Username: Administrator | [Verified provider](#)

**Instance type** [Info](#) [Get advice](#)

Instance type: t3.micro  
Family: t3 | 2 vCPU | 1 GiB Memory | Current generation: true  
On-Demand (Linux Pro) base pricing: 0.0147 USD per Hour | On-Demand Linux base pricing: 0.0112 USD per Hour  
On-Demand RHEL base pricing: 0.04 USD per Hour | On-Demand SUSE base pricing: 0.0112 USD per Hour  
On-Demand Windows base pricing: 0.0204 USD per Hour

**Key pair (login)** [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required: guirprashant [Create new key pair](#)

For Windows instances, you use a key pair to decrypt the administrator password. You then use the decrypted password to connect to your instance.

**Network settings** [Info](#) [Edit](#)

Network: vpc-0f8918f0bea61af1e

Subnet: No preference (Default subnet in any availability zone)

Auto-assign public IP: Enable

Additional charges apply when outside of free tier allowance

**Firewall (security group)** [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

We'll create a new security group called "launch-wizard-2" with the following rules:

☒ Allow RDP traffic from: Anywhere (0.0.0.0/0)

☐ Allow HTTPS traffic from the internet

☐ Allow HTTP traffic from the internet

**Summary**

Number of instances: 1

Software Image (AMI): Microsoft Windows Server 2025 ...[read more](#)  
ami-0266c164a2a73942

Virtual server type (Instance type): t3.micro

Firewall (security group): New security group

Storage (Volumes): 1 volume(s) - 30 GiB

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

**Free tier:** In your first year of opening an AWS account, you get 750 hours per month of t3.micro instance usage (or t3.micro where t3.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4 address usage, 30 GiB of EBS storage, 2 million I/Os, 1 GiB of snapshots, and 100 GB of bandwidth to the internet.

EC2InstancesLaunch an instance

vpc-0r5a30b62w-1a1e

Subnet

Info

No preference (Default subnet in any availability zone)

Auto-assign public IP

Info

Enable

Additional charges apply when outside of free tier allowance

Firewall (security group)

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

We'll create a new security group called 'launch-wizard-2' with the following rules:

Allow RDP traffic from

Helps you connect to your instance

Anywhere

0.0.0.0/0

Allow HTTPS traffic from the internet

To set up an endpoint, for example when creating a web server

Allow HTTP traffic from the internet

To set up an endpoint, for example when creating a web server

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Configure storage

Info

Advanced

1x30GBgp3Root volume, 3000 IOPS, Not encrypted

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

The selected AMI contains instance store volumes, however the instance does not allow any instance store volumes. None of the instance store volumes from the AMI will be accessible from the instance.

Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

File systems

Edit

Advanced details

Info

Summary

Info

Number of instances

1

Software Image (AMI)

Microsoft Windows Server 2025...read more

ami-038ec786dca773842

Virtual server type (Instance type)

t3.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 30 GB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4 address usage, 30 GB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel

Launch instance

Preview code

CloudShellFeedback

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## 2. Verify Instance Launch

The screenshot displays the AWS Management Console interface for the EC2 service. The top navigation bar shows the user is logged in as 'goviprathanthraghendra' in the 'Asia Pacific (Mumbai)' region. The left sidebar contains the navigation menu with categories like EC2, Images, Elastic Block Store, Network & Security, Load Balancing, and Auto Scaling. The main content area is titled 'Instances (1)' and shows a table with one instance: 'windowsprashgovi' with ID 'i-0e28dbffe93bf552f', state 'Pending', type 't3.micro', and availability zone 'ap-south-1a'. Below the table, there is a 'Select an instance' section. The bottom section of the image shows the 'Instance summary' for the selected instance 'i-0e28dbffe93bf552f (windowsprashgovi)'. This summary is divided into several tabs: Details, Status and alarms, Monitoring, Security, Networking, Storage, and Tags. The 'Details' tab is active, showing various instance attributes such as Instance ID, IP address, Hostname type, Answer private resource DNS name, Auto-assigned IP address, IAM Role, IMDSv2, Operator, Public IPv4 address, Instance state, Private IP DNS name, Instance type, VPC ID, Subnet ID, Instance ARN, Private IPv4 addresses, Public DNS, Elastic IP addresses, AWS Compute Optimizer finding, Auto Scaling Group name, Managed, Platform details, Termination protection, AMI location, Stop-hibernate behavior, State transition reason, and State transition message.

**Instances (1)** info

Find instance by attribute or tag (case-sensitive)

Instance ID = i-0e28dbffe93bf552f

Clear filters

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IPv6 IPs
windowsprashgovi	i-0e28dbffe93bf552f	Pending	t3.micro	-	View alarms +	ap-south-1a	ec2-52-66-204-8.ap-so...	52.66.204.8	-	-

Select an instance

**Instance summary for i-0e28dbffe93bf552f (windowsprashgovi)** info

Updated less than a minute ago

Instance ID: i-0e28dbffe93bf552f

IP address: -

Hostname type: IP name: ip-172-31-39-13.ap-south-1.compute.internal

Answer private resource DNS name: IPv4 (a)

Auto-assigned IP address: 52.66.204.8 [Public IP]

IAM Role: -

IMDSv2: Required

Operator: -

Public IPv4 address: 52.66.204.8 [open address]

Instance state: Running

Private IP DNS name (IPv4 only): ip-172-31-39-13.ap-south-1.compute.internal

Instance type: t3.micro

VPC ID: vpc-0f938f8bea61af1e

Subnet ID: subnet-0f6d03beada3c7095

Instance ARN: arn:aws:ec2:ap-south-1:755937526811:instance/i-0e28dbffe93bf552f

Private IPv4 addresses: 172.31.39.13

Public DNS: ec2-52-66-204-8.ap-south-1.compute.amazonaws.com [open address]

Elastic IP addresses: -

AWS Compute Optimizer finding: User: amawsiam:755937526811:user/goviprathanthraghendra is not authorized to perform: compute-optimizer:GetEnrollmentStatus on resource: \* because no identity-based policy allows the compute-optimizer:GetEnrollmentStatus action on Retry

Auto Scaling Group name: -

Managed: false

**Details** Status and alarms Monitoring Security Networking Storage Tags

**Instance details** info

AMI ID: ami-026dc164a2a73942

AMI name: Windows\_Server-2025-English-Full-Base-2025.05.15

Stop protection: Disabled

Instance auto-recovery: Default

AMI Launch index: 0

Credit specification: upf1m2nd

Monitoring: disabled

Allowed image: -

Launch time: Tue May 27 2025 20:53:27 GMT+0530 (India Standard Time) (less than a minute)

Lifecycle: normal

Key pair assigned at launch: goviprathanth

Kernel ID: -

Platform details: Windows

Termination protection: Disabled

AMI location: amazon/Windows\_Server-2025-English-Full-Base-2025.05.15

Stop-hibernate behavior: Disabled

State transition reason: -

State transition message: -

EC2

Dashboard

EC2 Global View

Events

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

Load Balancing

Load Balancers

Target Groups

Trust Stores

Auto Scaling

Auto Scaling Groups

Settings

Operator

Details

Status and alarms

Monitoring

Security

Networking

Storage

Tags

Instance details

AMI ID

ami-0266c1f54a2a73942

AMI name

Windows\_Server-2025-English-Full-Base-2025.05.15

Stop protection

Disabled

Instance auto-recovery

Default

AMI Launch Index

0

Credit specification

unlimited

Usage operation

RunInstances.0002

Enclaves Support

Disabled

Allow tags in instance metadata

Disabled

Host and placement group

Host ID

Host resource group name

Virtualization type

hvm

Number of vCPUs

2

Capacity reservation

Capacity Reservation ID

Monitoring

disabled

Allowed image

Launch time

Tue May 27 2025 20:53:27 GMT+0530 (India Standard Time) (less than a min ago)

Lifecycle

normal

Key pair assigned at launch

gwpgrasdhm1

Kernel ID

RAM disk ID

Boot mode

uefi

Use RBN as guest OS hostname

Disabled

Affinity

Tenancy

default

Reservation

r-03c34365abc588f29

Capacity Reservation setting

open

Platform details

Windows

Termination protection

Disabled

AMI location

amazon/Windows\_Server-2025-English-Full-Base-2025.05.15

Stop-hibernate behavior

Disabled

State transition reason

State transition message

Owner

755937326811

Current instance boot mode

uefi

Answer RBN DNS hostname IPv4

Enabled

Placement group

Placement group ID

Partition number

CloudShell

Feedback

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### 3. Validation with RDP



