

DEPLOYING A WEB SERVER IN WINDOWS INSTANCE :

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This instance is launched with public IP (3.23.87.137)

The following are screenshots of stepwise procedure.

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us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

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AWS Services Resource Groups

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All instance types Current generation Show/Hide Columns

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t3a.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.micro	2	1	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.small	2	2	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.medium	2	4	EBS only	Yes	Up to 5 Gigabit	Yes

Cancel Previous Review and Launch Next: Configure Instance Details

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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-048535c56ee6c96e5	30	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	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.

Cancel Previous **Review and Launch** Next: Add Tags

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Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: Create a new security group Select an existing security group

Security group name:

Description:

Type	Protocol	Port Range	Source	Description
All traffic	All	0 - 65535	Anywhere	0.0.0.0/0, ::/0 e.g. SSH for Admin Desktop

Add Rule

Warning
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.

Cancel Previous Review and Launch

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Services Resource Groups

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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-4, 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

Microsoft Windows Server 2016 Base - ami-079c8701

Free tier eligible Microsoft Windows 2016 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

Instance Type

Instance Type	ECUs	vCPUs	Memory (GiB)
t2.micro	Variable	1	1

Security Groups

Security group name: launch-wizard-4
Description: launch-wizard-4 created 2020-08-18T18:18:18Z

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.

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](#).

Choose an existing key pair
Select a key pair
First_instance

I acknowledge that I have access to the selected private key file (First_instance.pem), and that without this file, I won't be able to log into my instance.

Cancel Launch Instances

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search : i-045d0ff7c1e4ed913 [Add filter](#) ? K < 1 to 1 of 1 > !<

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Key Name
i-045d0ff7c1e4ed913	i-045d0ff7c1e4ed913	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-3-23-87-137.us-east-2.compute.amazonaws.com	3.23.87.137	-	First_ins

Instance: [i-045d0ff7c1e4ed913](#) Public DNS: [ec2-3-23-87-137.us-east-2.compute.amazonaws.com](#) ... ■ ■ ■

Description	Status Checks	Monitoring	Tags
Instance ID	i-045d0ff7c1e4ed913		
Instance state	running		
Instance type	t2.micro		
Finding	Opt-in to AWS Compute Optimizer for recommendations. Learn more		
Private DNS	ip-172-31-19-67.us-east-2.compute.internal		
Private IPs	172.31.19.67		
Customer-managed IP			

Public DNS (IPv4)	ec2-3-23-87-137.us-east-2.compute.amazonaws.com
IPv4 Public IP	3.23.87.137
IPv6 IPs	-
Elastic IPs	
Availability zone	us-east-2b
Security groups	launch-wizard-4 , view inbound rules , view outbound rules
Scheduled events	No scheduled events

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Instance: i-045d0ff7c1e4ed913 Public DNS: ec2-3-23-87-137.us-east-2.compute.amazonaws.com

Description Status Checks Monitoring Tags

Instance ID: i-045d0ff7c1e4ed913
Instance state: running
Instance type: t2.micro
Finding: Opt-in to AWS Compute Optimizer for recommendations. [Learn more](#)

Public DNS (IPv4): ec2-3-23-87-137.us-east-2.compute.amazonaws.com
IPv4 Public IP: 3.23.87.137
IPv6 IPs: -
Elastic IPs: -

Connect to your instance

Connection method: A standalone RDP client [i](#)
 Session Manager [i](#)

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: ec2-3-23-87-137.us-east-2.compute.amazonaws.com
User name: Administrator
Password: -24nb=LwHtLwBbtjcQieI9bnbi?SPkff

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.
If you need any assistance connecting to your instance, please see our [connection documentation](#).

Close

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ec2-3-23-87-137.rdp Show all

Recent Apps



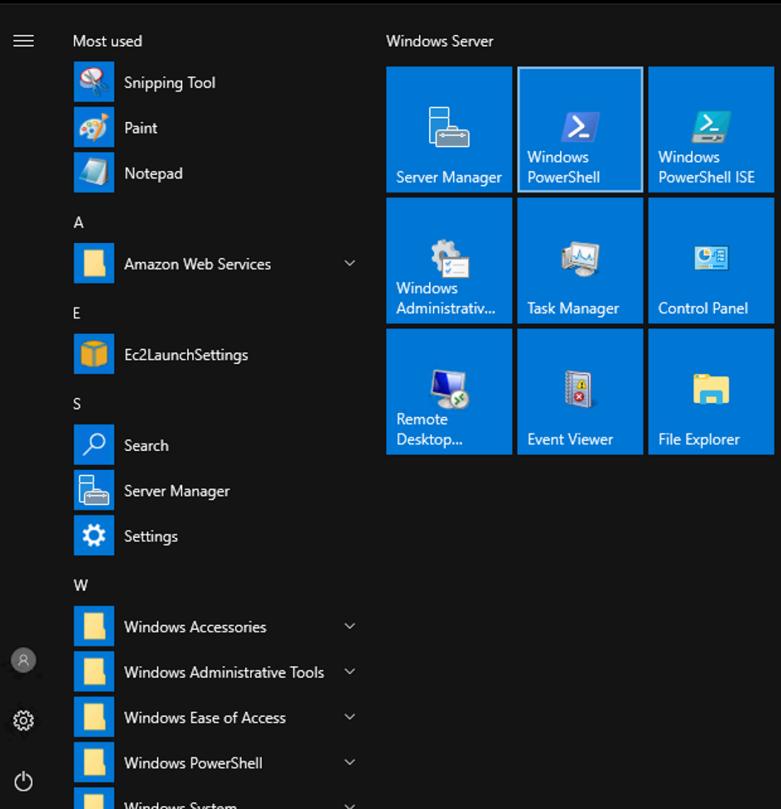
Recycle Bin



EC2 Feedback



EC2
Micros...





Recycle Bin



EC2 Feedback



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Administrator: Windows PowerShell

```
Windows PowerShell
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PS C:\Users\Administrator> Install-WindowsFeature -name web-Server -IncludeManagementTools
Success Restart Needed Exit Code      Feature Result
----- ----- -----      {Common HTTP Features, Default Document, D...
True    No      Success      {Common HTTP Features, Default Document, D...
```

PS C:\Users\Administrator> -

Hostname: EC2AMAZ-SP9GS1M
Instance ID: i-045d0ff7c1e4ed913
Public IP Address: 3.23.87.137
Private IP Address: 172.31.19.67
Instance Size: t2.micro
Availability Zone: us-east-2b
Architecture: AMD64
Total Memory: 1 GB
Network Performance: Low to Moderate

