

Module 3: Create EC2 Instance

1. From the AWS Console, Choose “Services” > “EC2”. Review available resources:

Resources

You are using the following Amazon EC2 resources in the US East (N. Virginia) Region:

Running instances	0	Dedicated Hosts	0	Elastic IPs	0
Instances (all states)	0	Key pairs	2	Load balancers	0
Placement groups	0	Security groups	9	Snapshots	0
Volumes	0				

ⓘ Easily size, configure, and deploy Microsoft SQL Server Always On availability groups on AWS using the AWS Launch Wizard for SQL Server. [Learn more](#) ×

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

[Launch instance](#)

Note: Your instances will launch in the US East (N. Virginia) Region

Service health

Region: US East (N. Virginia) Status: ✔ This service is operating normally

Zone status

2. “Launch Instance”
3. Choose a free tier Windows Server
4. Click “Configure Instance Details”
5. Review the options available and focus on the advanced details. Test the “metadata” or “user data” option:

▼ **Advanced Details**

Enclave ⓘ ☐ Enable

Metadata accessible ⓘ Enabled

Metadata version ⓘ V1 and V2 (token optional)

Metadata token response hop limit ⓘ 1


User data ⓘ ☒ As text ☐ As file ☐ Input is already base64 encoded


(Optional)

Module 3: Create EC2 Instance

6. Complete the setup accepting default options for networking and storage after reviewing them.

Launch Status

 **Your instances are now launching**
The following instance launches have been initiated: i-06dde1c11d9546fe3 [View launch log](#)

 **Get notified of estimated charges**
Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).

How to connect to your instances

Your instances are launching, and it may take a few minutes until they are in the **running** state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances. Click **View Instances** to monitor your instances' status. Once your instances are in the **running** state, you can **connect** to them from the Instances screen. Find out [how to connect to your instances](#).

▼ Here are some helpful resources to get you started

- [How to connect to your Windows instance](#)
- [Learn about AWS Free Usage Tier](#)
- [Amazon EC2: User Guide](#)
- [Amazon EC2: Microsoft Windows Guide](#)
- [Amazon EC2: Discussion Forum](#)

While your instances are launching you can also

- [Create status check alarms to be notified when these instances fail status checks.](#) (Additional charges may apply)
- [Create and attach additional EBS volumes](#) (Additional charges may apply)
- [Manage security groups](#)

7. Launch the instance and verify that the settings were applied
(<http://169.254.169.254/latest/meta-data/>)

Note: EC2 instance hostnames are derived from the IP address that is dynamically assigned to the instance at startup