

Step 1:

The screenshot shows the AWS Management Console EC2 Dashboard. On the left is a navigation menu with categories like EC2 Dashboard, INSTANCES, IMAGES, ELASTIC BLOCK STORE, NETWORK & SECURITY, LOAD BALANCING, and AUTO SCALING. The main content area is titled 'Resources' and shows a summary of EC2 resources in the US East (N. Virginia) region: 0 Running Instances, 0 Elastic IPs, 0 Volumes, 0 Snapshots, 0 Key Pairs, 0 Load Balancers, 0 Placement Groups, and 1 Security Groups. Below this is a 'Create Instance' section with a red box highlighting the 'Launch Instance' button. To the right, there are sections for 'Service Health' and 'Scheduled Events'.

Resources

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

- 0 Running Instances
- 0 Elastic IPs
- 0 Volumes
- 0 Snapshots
- 0 Key Pairs
- 0 Load Balancers
- 0 Placement Groups
- 1 Security Groups

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Create Instance

To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.

[Launch Instance](#)

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

Service Health

Service Status:

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

Availability Zone Status:

- us-east-1a: Availability zone is operating normally
- us-east-1b: Availability zone is operating normally
- us-east-1c: Availability zone is operating normally
- us-east-1e: Availability zone is operating normally

[Service Health Dashboard](#)

Scheduled Events

US East (N. Virginia):
No events

Step 2(a):

The screenshot shows the 'Step 1: Choose an Amazon Machine Image (AMI)' page in the AWS Management Console. The page has a progress bar at the top with steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Tag Instance, 6. Configure Security Group, 7. Review. The main content area lists various AMIs. The 'Amazon Linux AMI 2015.03.1 (HVM, SSD Volume Type - ami-0d4cfd66)' is highlighted with a red box. Other AMIs listed include Red Hat Enterprise Linux 7.1, SUSE Linux Enterprise Server 12, Ubuntu Server 14.04 LTS, and Microsoft Windows Server 2012 R2 Base. At the bottom, there is a section for 'Are you launching a database instance? Try Amazon RDS.' with a 'Launch a database using RDS' button.

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

Step 1: Choose an Amazon Machine Image (AMI) [Cancel and Exit](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by Amazon, our user community, or the Amazon Web Services Marketplace; or you can select one of your own AMIs.

Quick Start

My AMIs

Amazon Web Services Marketplace

Community AMIs

☐ Free tier only ⓘ

Amazon Linux AMI 2015.03.1 (HVM, SSD Volume Type - ami-0d4cfd66) [Select](#)

The Amazon Linux AMI is an EBS-backed, Amazon Web Services-supported image. The default image includes Amazon command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.

Free tier eligible Root device type: ebs Virtualization type: hvm 64-bit

Red Hat Enterprise Linux 7.1 (HVM, SSD Volume Type - ami-12663b7a) [Select](#)

Red Hat Enterprise Linux version 7.1 (HVM), EBS General Purpose (SSD) Volume Type

Free tier eligible Root device type: ebs Virtualization type: hvm 64-bit

SUSE Linux Enterprise Server 12 (HVM, SSD Volume Type - ami-aeb532c6) [Select](#)

SUSE Linux Enterprise Server 12 (HVM), EBS General Purpose (SSD) Volume Type. Public Cloud, Advanced Systems Management, Web and Scripting, and Legacy modules enabled.

Free tier eligible Root device type: ebs Virtualization type: hvm 64-bit

Ubuntu Server 14.04 LTS (HVM, SSD Volume Type - ami-d05e75b8) [Select](#)

Ubuntu Server 14.04 LTS (HVM), EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).

Free tier eligible Root device type: ebs Virtualization type: hvm 64-bit

Microsoft Windows Server 2012 R2 Base - ami-cd9339a6 [Select](#)

Microsoft Windows 2012 R2 Standard edition with 64-bit architecture. [English]

Free tier eligible Root device type: ebs Virtualization type: hvm 64-bit

Are you launching a database instance? Try Amazon RDS. [Hide](#)

Amazon Relational Database Service (RDS) makes it easy to set up, operate, and scale a relational database of your choice (MySQL, PostgreSQL, Oracle, SQL Server) in the cloud. It provides cost-efficient and resizable capacity while managing time-consuming database management tasks, freeing you up to focus on your applications and business. [Learn more.](#)

[Launch a database using RDS](#)

Microsoft Windows Server 2012 R2 with SQL Server Express - ami-8359f1e8 [Select](#)

Microsoft Windows Server 2012 R2 Standard edition, 64-bit architecture, Microsoft SQL Server 2014 Express edition. [English]

Root device type: ebs Virtualization type: hvm 64-bit

Step 2(b):

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 typesCurrent generationShow/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 (GiB)	EBS-Optimized Available	Network Performance
<input checked="" type="checkbox"/>	General purpose	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	m4.large	2	8	EBS only	Yes	Moderate
<input type="checkbox"/>	General purpose	m4.xlarge	4	16	EBS only	Yes	High
<input type="checkbox"/>	General purpose	m4.2xlarge	8	32	EBS only	Yes	High
<input type="checkbox"/>	General purpose	m4.4xlarge	16	64	EBS only	Yes	High
<input type="checkbox"/>	General purpose	m4.10xlarge	40	160	EBS only	Yes	10 Gigabit
<input type="checkbox"/>	General purpose	m3.medium	1	3.75	1 x 4 (SSD)	-	Moderate
<input type="checkbox"/>	General purpose	m3.large	2	7.5	1 x 32 (SSD)	-	Moderate
<input type="checkbox"/>	General purpose	m3.xlarge	4	15	2 x 40 (SSD)	Yes	High
<input type="checkbox"/>	General purpose	m3.2xlarge	8	30	2 x 80 (SSD)	Yes	High

Cancel

Previous

Review and Launch

Next: Configure Instance Details

Step 2(c):

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

Free tier eligible

Amazon Linux AMI 2015.03.1 (HVM), SSD Volume Type - ami-0d4cfd66

The Amazon Linux AMI is an EBS-backed, Amazon Web Services-supported image. The default image includes Amazon command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.

Root Device Type: ebsVirtualization type: hvm

Edit AMI

Instance Type

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GiB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

Edit instance type

Security Groups

Security group name

launch-wizard-1

Description

launch-wizard-1 created 2015-09-11T13:35:57.265-07:00

Type	Protocol	Port Range	Source
SSH	TCP	22	0.0.0.0/0

Edit security groups

Instance Details

Edit instance details

Storage

Edit storage

Tags

Edit tags

Cancel

Previous

Launch

Step 2(d):

Select an existing key pair or create a new key pair

A key pair consists of a **public key** that Amazon 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](#).

Create a new key pair

Key pair name

MyFirstKey

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.

Cancel

Launch Instances

Step 2(e):

Launch Status

Your instances are now launching
The following instance launches have been initiated: ██████████ [View launch log](#)

Get notified of estimated charges
[Create billing alerts](#) to get an email notification when estimated charges on your Amazon 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 Linux instance](#)
- [Learn about Amazon Free Usage Tier](#)

- [Amazon EC2: User 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](#)

View Instances

Step 2(f):

The screenshot displays the AWS Management Console interface for an EC2 instance. The top navigation bar includes the AWS logo, account information, and region (N. Virginia). The left sidebar shows the navigation menu with categories like INSTANCES, IMAGES, ELASTIC BLOCK STORE, and NETWORK & SECURITY. The main content area shows the 'Launch Instance' button and a table of instances. The instance is in a 'running' state. Below the table, the instance details are shown, including the public IP address, which is highlighted with a red box.

Instance: i-██████████ **Public IP: 52.██████████5**

Property	Value
Instance ID	i-██████████
Instance state	running
Instance type	t2.micro
Private DNS	ip-██████████.ec2.internal
Private IPs	██████████
Secondary private IPs	
VPC ID	vpc-434f9a27
Public DNS	-
Public IP	52.██████████5
Elastic IP	-
Availability zone	us-east-1a
Security groups	launch-wizard-4, view rules
Scheduled events	No scheduled events
AMI ID	amzn-ami-hvm-2015.09.1.x86_64-gp2