

Click on "EC2"

us-east-2.console.aws.amazon.com/console/home?region=us-east-2#

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# AWS Management Console


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 **Compute**

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EC2 Image Builder

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Elastic Container Service


Elastic Kubernetes Service

 **Storage**

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Amazon Braket

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 **Security, Identity, & Compliance**

IAM

Resource Access Manager

Cognito

Secrets Manager

GuardDuty

Inspector

Amazon Macie

AWS Single Sign-On

Certificate Manager

Key Management Service

CloudHSM

Directory Service



WAF & Shield

AWS Firewall Manager

Artifact


Security Hub

Stay connected to your AWS resources on-the-go


 Download the AWS Console Mobile App to your iOS or Android mobile device.  
[Learn more](#) 

Explore AWS


**Build Apps Faster with GraphQL**

AWS AppSync uses GraphQL APIs to query data from multiple data sources in a single request.  
[Get started](#) 

**AWS Backup**

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**AWS Proton**

Focus on shipping your code while Proton automatically defines, provisions, and manages your infrastructure. [Learn more](#) 

**AWS Lambda Container Image Support**

# Launch Instance

The screenshot displays the AWS Management Console for the US East (Ohio) region. The left-hand navigation pane includes sections for 'EC2 Dashboard', 'Instances', 'Images', 'Elastic Block Store', and 'Network & Security'. The main content area is divided into several panels: 'Resources' (listing EC2 resources like Instances, Elastic IPs, Key pairs, etc.), 'Launch instance' (with a red circle around the 'Launch Instance' button), 'Service health' (showing the region status as 'operating normally'), 'Zone status', 'Account attributes', and 'Explore AWS' (with promotional cards for Spot Instances, FSR, and AWS Graviton2). A top navigation bar contains the AWS logo, a search bar, and user account information.

**Resources**

You are using the following Amazon EC2 resources in the US East (Ohio) Region:

Resource	Count
Instances (running)	0
Elastic IPs	0
Key pairs	1
Placement groups	0
Snapshots	0
Dedicated Hosts	0
Instances	0
Load balancers	0
Security groups	2
Volumes	0

**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 (Ohio) Region

**Service health**

Region: US East (Ohio) Status: ✔ This service is operating normally

**Zone status**

Zone	Status
us-east-2a	operating normally

**Account attributes**

Supported platforms

- VPC

Default VPC

vpc-69df5902

Settings

EBS encryption

Zones

Default credit specification

Console experiments

**Explore AWS**

**Save up to 90% on EC2 with Spot Instances**

Optimize price-performance by combining EC2 purchase options in a single EC2 ASG. [Learn more](#)

**Launch Custom AMIs with Fast Snapshot Restore (FSR)**

Reduce instance boot times and improve disaster recovery objectives with FSR. [Learn more](#)

**Enable Best Price-Performance with AWS Graviton2**

AWS Graviton2 powered EC2 instances enable up to 40% better price



# Choose Machine Image

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#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 1: Choose an Amazon Machine Image (AMI)

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 AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Search for an AMI by entering a search term e.g. "Windows"

Search by Systems Manager parameter


Quick Start 1 to 41 of 41 AMIs

My AMIs

AWS Marketplace

Community AMIs

☐ Free tier only

 **Amazon Linux 2 AMI (HVM), SSD Volume Type** - ami-01aab85a5e4a5a0fe (64-bit x86) / ami-0b6fd73535e4b992b (64-bit Arm)


**Free tier eligible**

Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is approaching end of life on December 31, 2020 and has been removed from this wizard.

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

☒ 64-bit (x86)  
☐ 64-bit (Arm)

Select

 **macOS Catalina 10.15.7** - ami-00dab9ab8515606fb


Select

Free tier eligible available.

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes


64-bit (x86)  
☒ 64-bit (Arm)

### Explore AWS

 **Are you using Amazon SNS to communicate between services?** Hide

Amazon Simple Notification Service (SNS) is a highly available, durable, secure, fully managed pub/sub messaging service. It enables you to decouple microservices, distributed systems, and serverless applications.

Try it out

 **Ubuntu Server 20.04 LTS (HVM), SSD Volume Type** - ami-0a91cd140a1fc148a (64-bit x86) / ami-0742a572c2ce45ebf (64-bit Arm)


**Free tier eligible**

Ubuntu Server 20.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

☒ 64-bit (x86)  
☐ 64-bit (Arm)

Select

 **Microsoft Windows Server 2019 Base** - ami-00d1b5cc1e5341681

Select

# Select Instance Type

← → ↺

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

Current generation ▾

Show/Hide Columns

Currently selected: t2.micro (- ECUs, 1 vCPUs, 2.5 GHz, -, 1 GiB memory, EBS only)

	Family ▾	Type ▾	vCPUs ⓘ ▾	Memory (GiB) ▾	Instance Storage (GB) ⓘ ▾	EBS-Optimized Available ⓘ ▾	Network Performance ⓘ ▾	IPv6 Support ⓘ ▾
<input type="checkbox"/>	t2	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	t2	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	t2	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
<input type="checkbox"/>	t3	t3.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t3	t3.micro	2	1	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t3	t3.small	2	2	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t3	t3.medium	2	4	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t3	t3.large	2	8	EBS only	Yes	Up to 5 Gigabit	Yes

Cancel

Previous

Review and Launch

Next: Configure Instance Details



First time users - click “Create new IAM role”. This opens a new tab in your browser.

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#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-69df5902 (default) ↕ [Create new VPC](#)

**Subnet** ⓘ No preference (default subnet in any Availability Zone) ↕ [Create new subnet](#)

**Auto-assign Public IP** ⓘ Use subnet setting (Enable) ↕

**Placement group** ⓘ ☐ Add instance to placement group

**Capacity Reservation** ⓘ Open ↕

**Domain join directory** ⓘ No directory ↕ [Create new directory](#)

**IAM role** ⓘ None ↕ [Create new IAM role](#)

**CPU options** ⓘ ☐ Specify CPU options

**Shutdown behavior** ⓘ Stop ↕

**Stop - Hibernate behavior** ⓘ ☐ Enable hibernation as an additional stop behavior

**Enable termination protection** ⓘ ☐ Protect against accidental termination

**Monitoring** ⓘ ☐ Enable CloudWatch detailed monitoring  
[Additional charges apply.](#)

**Tenancy** ⓘ Shared - Run a shared hardware instance ↕  
[Additional charges will apply for dedicated tenancy.](#)

**Final Instance** ⓘ ☐ Add an Elastic Instance profile

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Storage](#)

# Create Role

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Search IAM

AWS account ID:

165383527960

Roles

What are IAM roles?

IAM roles are a secure way to grant permissions to entities that you trust. Examples of entities include the following:

- IAM user in another account
- Application code running on an EC2 instance that needs to perform actions on AWS resources
- An AWS service that needs to act on resources in your account to provide its features
- Users from a corporate directory who use identity federation with SAML

IAM roles issue keys that are valid for short durations, making them a more secure way to grant access.

**Additional resources:**

- [IAM Roles FAQ](#)
- [IAM Roles Documentation](#)
- [Tutorial: Setting Up Cross Account Access](#)
- [Common Scenarios for Roles](#)

Create role

Delete role

🔄

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❓

Q

Search

Showing 3 results

Role name ▾	Trusted entities	Last activity ▾
<input type="checkbox"/> <a href="#">AWSServiceRoleForSupport</a>	<b>AWS service:</b> support (Service-Linked role)	None
<input type="checkbox"/> <a href="#">AWSServiceRoleForTrustedAdvisor</a>	<b>AWS service:</b> trustedadvisor (Service-Linked ...	None
<input type="checkbox"/> <a href="#">sl_learning</a>	<b>AWS service:</b> ec2	Today

# Select EC2

console.aws.amazon.com/iam/home?region=us-east-2#/roles\$new?step=type

aws Services

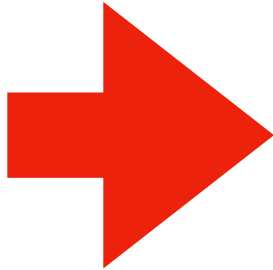
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## Create role


1 2 3 4


### Select type of trusted entity



**AWS service**  
EC2, Lambda and others

**Another AWS account**  
Belonging to you or 3rd party

**Web identity**  
Cognito or any OpenID provider

**SAML 2.0 federation**  
Your corporate directory

Allows AWS services to perform actions on your behalf. [Learn more](#)

### Choose a use case

**Common use cases**

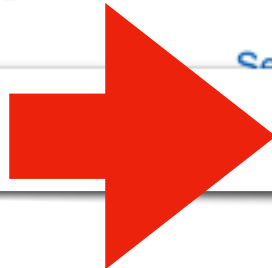
**EC2**  
Allows EC2 instances to call AWS services on your behalf.

**Lambda**  
Allows Lambda functions to call AWS services on your behalf.

**Or select a service to view its use cases**

<a href="#">API Gateway</a>	<a href="#">CloudWatch Events</a>	<a href="#">EKS</a>	<a href="#">IoT Things Graph</a>	<a href="#">Redshift</a>
<a href="#">AWS Backup</a>	<a href="#">CodeBuild</a>	<a href="#">EMR</a>	<a href="#">KMS</a>	<a href="#">Rekognition</a>
<a href="#">AWS Chatbot</a>	<a href="#">CodeDeploy</a>	<a href="#">ElastiCache</a>	<a href="#">Kinesis</a>	<a href="#">RoboMaker</a>
<a href="#">AWS Marketplace</a>	<a href="#">CodeGuru</a>	<a href="#">Elastic Beanstalk</a>	<a href="#">Lake Formation</a>	<a href="#">S3</a>
<a href="#">AWS Support</a>	<a href="#">CodeStar Notifications</a>	<a href="#">Elastic Container Registry</a>	<a href="#">Lambda</a>	<a href="#">SMS</a>
<a href="#">Amplify</a>	<a href="#">Comprehend</a>	<a href="#">Elastic Container Service</a>	<a href="#">Lex</a>	<a href="#">SNS</a>
<a href="#">AppStream 2.0</a>	<a href="#">Config</a>	<a href="#">Elastic Transcoder</a>	<a href="#">License Manager</a>	<a href="#">SWF</a>
<a href="#">AppSync</a>	<a href="#">Connect</a>	<a href="#">ElasticLoadBalancing</a>	<a href="#">MQ</a>	<a href="#">SageMaker</a>
<a href="#">Application Auto Scaling</a>	<a href="#">DMS</a>	<a href="#">Forecast</a>	<a href="#">Machine Learning</a>	<a href="#">Security Hub</a>
<a href="#">Application Discovery</a>	<a href="#">Data Lifecycle Manager</a>	<a href="#">GameLift</a>	<a href="#">MapR</a>	<a href="#">Service Catalog</a>

\* Required

[Next: Permissions](#)



# Select AmazonEC2FullAccess

← → ↻ console.aws.amazon.com/iam/home?region=us-east-2#/roles\$new?step=permissions&commonUseCase=EC2%2BEC2&selectedUseCase=EC2

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Create role

1 2 3 4

▼ Attach permissions policies

Choose one or more policies to attach to your new role.

Create policy

Filter policies EC2 Showing 31 results

	Policy name	Used as
<input type="checkbox"/>	▶ AmazonEC2ContainerRegistryFullAccess	None
<input type="checkbox"/>	▶ AmazonEC2ContainerRegistryPowerUser	None
<input type="checkbox"/>	▶ AmazonEC2ContainerRegistryReadOnly	None
<input type="checkbox"/>	▶ AmazonEC2ContainerServiceAutoscaleRole	None
<input type="checkbox"/>	▶ AmazonEC2ContainerServiceEventsRole	None
<input type="checkbox"/>	▶ AmazonEC2ContainerServiceforEC2Role	None
<input type="checkbox"/>	▶ AmazonEC2ContainerServiceRole	None
<input type="checkbox"/>	▶ AmazonEC2FullAccess	Permissions policy (1)

▶ Set permissions boundary

\* Required

Cancel Previous Next: Tags



Don't have to add tags, click through

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Create role

1

2

3

4

Add tags (optional)

IAM tags are key-value pairs you can add to your role. Tags can include user information, such as an email address, or can be descriptive, such as a job title. You can use the tags to organize, track, or control access for this role. [Learn more](#)

Key	Value (optional)	Remove
<div>Add new key</div>		

You can add 50 more tags.

Cancel

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## Create a Role name

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Create role

1

2

3

4

Review

Provide the required information below and review this role before you create it.

Role name\*

sl\_learning\_2

Use alphanumeric and '+=,.-\_' characters. Maximum 64 characters.

Role description


Allows EC2 instances to call AWS services on your behalf.

Maximum 1000 characters. Use alphanumeric and '+=,.-\_' characters.

Trusted entities

AWS service: ec2.amazonaws.com

Policies

 AmazonEC2FullAccess [↗](#)

Permissions boundary

Permissions boundary is not set

No tags were added.

\* Required

Cancel

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Create role

See the role you just created in the list of roles

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Search IAM

AWS account ID:

165383527960

Create role

Delete role

Showing 4 results

Role name	Trusted entities	Last activity
<input type="checkbox"/> <a href="#">AWSServiceRoleForSupport</a>	AWS service: support (Service-Linked role)	None
<input type="checkbox"/> <a href="#">AWSServiceRoleForTrustedAdvisor</a>	AWS service: trustedadvisor (Service-Linked ...)	None
<input type="checkbox"/> <a href="#">sl_learning</a>	AWS service: ec2	Today
<input type="checkbox"/> <a href="#">sl_learning_2</a>	AWS service: ec2	None



Go back to this tab (if you just created a new role) and select the role

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### 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-69df5902 (default)

Create new VPC

Subnet

No preference (default subnet in any Availability Zone)

Create new subnet

Auto-assign Public IP

Use subnet setting (Enable)

Placement group

☐ Add instance to placement group

Capacity Reservation

Open

Domain join directory

No directory

Create new directory

IAM role

None  
sl\_learning  
sl\_learning\_2

Create new IAM role

CPU options

☐ Specify CPU options

Shutdown behavior

Stop

Stop - Hibernate behavior

☐ Enable hibernation as an additional stop behavior

Enable termination protection

☐ Protect against accidental termination

Monitoring

☐ Enable CloudWatch detailed monitoring  
Additional charges apply.

Tenancy

Shared - Run a shared hardware instance  
Additional charges will apply for dedicated tenancy.

Platform

☐ Add Amazon Elastic Inference accelerator

Cancel

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Review and Launch

Next: Add Storage

Click through unless you want to add storage

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1. Choose AMI

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5. Add Tags

6. Configure Security Group

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-076c0da1ccc1594bb	8	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

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Review and Launch

Next: Add Tags

Click through unless you want to add tags

← → ↺

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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 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 ⓘ
This resource currently has no tags				
Choose the Add tag button or <a href="#">click to add a Name tag</a> . Make sure your <a href="#">IAM policy</a> includes permissions to create tags.				

Add Tag

(Up to 50 tags maximum)

Cancel

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Next: Configure Security Group



First time users create a new security group. You need to name it. Change the source to MyIP.

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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 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: launch-wizard-1

Description: launch-wizard-1 created 2021-02-06T13:46:29.682-08:00

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	My IP	e.g. SSH for Admin Desktop

Add Rule

Cancel Previous **Review and Launch**

Or select a security group if you already have one

← → ↻

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### Step 6: Configure Security Group

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

Security Group ID	Name	Description	Actions
<input type="checkbox"/> sg-e995c69a	default	default VPC security group	<a href="#">Copy to new</a>
<input type="checkbox"/> sg-035c161621f93d91b	launch-wizard-1	launch-wizard-1 created 2021-02-06T13:46:29.682-08:00	<a href="#">Copy to new</a>
<input type="checkbox"/> sg-010a5ce5d54454c9b	launch-wizard-2	launch-wizard-2 created 2021-02-06T14:44:41.101-08:00	<a href="#">Copy to new</a>
<input type="checkbox"/> sg-07f822f5a9178f078	launch-wizard-3	launch-wizard-3 created 2021-02-06T14:58:10.471-08:00	<a href="#">Copy to new</a>
<input checked="" type="checkbox"/> sg-0fbac36294e67135a	sl_learning_security_1	launch-wizard-1 created 2021-02-05T18:27:29.778-08:00	<a href="#">Copy to new</a>

Inbound rules for sg-0fbac36294e67135a (Selected security groups: sg-0fbac36294e67135a)

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ	Description ⓘ
SSH	TCP	22	76.171.49.135/32	

Cancel

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Review and Launch

# Review and Launch

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

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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.

AMI Details

Ubuntu Server 20.04 LTS (HVM), SSD Volume Type - ami-0a91cd140a1fc148a

Free tier eligible

Ubuntu Server 20.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services).

Root Device Type: ebs    Virtualization type: hvm

Edit AMI

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

Edit instance type

Security Groups

Security group name

launch-wizard-1

Description

launch-wizard-1 created 2021-02-06T13:46:29.682-08:00

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	76.171.49.135/32	

Edit security groups

Instance Details

Number of instances

1

Purchasing option

On demand

Network

vpc-69df5902

Subnet

No preference (default subnet in any Availability Zone)

EBS-optimized

No

Monitoring

No

Termination protection

No

Shutdown behavior

Stop

Edit instance details

Cancel

Previous

Launch



First time users create a new key pair, name it and then download it

The screenshot shows the AWS Management Console at the URL `us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:`. The navigation bar includes the AWS logo, 'Services', a search bar, and user information. The wizard progress bar shows steps 1 through 7, with '7. Review' selected.

### 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.

**AMI Details**

Ubuntu Server 20.04 LTS (HVM), SSD Volume Type - ami-0a91cd140a1fc148a

Free tier eligible

Root Device Type: ebs Virtualization type: hvm

**Instance Type**

Instance Type	ECUs	vCPUs	Memory
t2.micro	-	1	1

**Security Groups**

Security group name	Description
launch-wizard-1	launch-wizard-1 created 2021-

Type: SSH Protocol: TCP

**Instance Details**

Number of instances	1
Network	vpc-69df5902
Subnet	No preference (default sub)
EBS-optimized	No
Monitoring	No
Termination protection	No
Shutdown behavior	Stop

#### 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](#).

Create a new key pair

Key pair name

luckyPtesting\_2

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

Cancel Previous Launch

Returning users should be able to use an existing key pair

←→↺

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

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[Option+S]

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1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. 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.

▼ AMI Details

🌀

Ubuntu Server 20.04 LTS (HVM), SSD Volume Type - ami-0a91cd140a1fc148a

Free tier eligible

Ubuntu Server 20.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).  
Root Device Type: ebs    Virtualization type: hvm

Edit AMI

▼ Instance Type

Instance Type	ECUs	vCPUs	Memory
t2.micro	-	1	1

Edit instance type

▼ Security Groups

Security group name

launch-wizard-1

Description

launch-wizard-1 created 2021-02-

Type ⓘ

Protocol ⓘ

SSH

TCP

Edit security groups

▼ Instance Details

Number of instances

1

Network

vpc-69df5902

Subnet

No preference (default subnet in any Availability Zone)

EBS-optimized

No

Monitoring

No

Termination protection

No

Shutdown behavior

Stop

Purchasing option

On demand

Edit instance details

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

luckyPtesting

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

Cancel

Launch Instances

Cancel

Previous

Launch



# Review and click through

← → ↻

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

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Launch Status

✔️ Your instances are now launching

The following instance launches have been initiated: [i-00c7888170e183138](#) [View launch log](#)

ℹ️ 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 Linux instance](#)
- [Learn about AWS 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



Click on Instance ID

← → ↺

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

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▼ Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

▼ Network & Security

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Elastic IPs New

Placement Groups

Key Pairs

Instances (1) Info

🔄 Connect Instance state ▾ Actions ▾ Launch Instances ▾

🔍 Filter Instances

< 1 > ⚙️

<input type="checkbox"/>	Name ▾	Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm status	Availability Zone ▾	Public IPv4 D
<input type="checkbox"/>	-	<u>I-00c7888170e183138</u>	✔️ Running 🔍	t2.micro	✔️ 2/2 checks ...	No alarms +	us-east-2c	ec2-3-21-102-

Select an instance above

Click on Connect

← → ↺

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#InstanceDetails:instanceId=i-00c7888170e183138

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Placement Groups

Key Pairs

EC2 > Instances > i-00c7888170e183138

Instance summary for i-00c7888170e183138 Info

Updated less than a minute ago

🔄

Connect

Instance state ▾

Instance ID	Public IPv4 address	Private IPv4 addresses
<div>📄 i-00c7888170e183138</div>	<div>📄 3.21.102.81   <a href="#">open address</a> 🔗</div>	<div>📄 [REDACTED]</div>
Instance state	Public IPv4 DNS	Private IPv4 DNS
<div>🟢 Running</div>	<div>📄 ec2-3-21-102-81.us-east-2.compute.amazonaws.com   <a href="#">open address</a> 🔗</div>	<div>📄 [REDACTED]</div>
Instance type	Elastic IP addresses	VPC ID
t2.micro	–	<div>📄 <a href="#">vpc-69df5902</a> 🔗</div>
AWS Compute Optimizer finding	IAM Role	Subnet ID
<div>📄 Opt-in to AWS Compute Optimizer for recommendations.   <a href="#">Learn more</a> 🔗</div>	<div>📄 <a href="#">sl_learning_2</a> 🔗</div>	<div>📄 <a href="#">subnet-06d29e4a</a> 🔗</div>

Details

Security

Networking

Storage

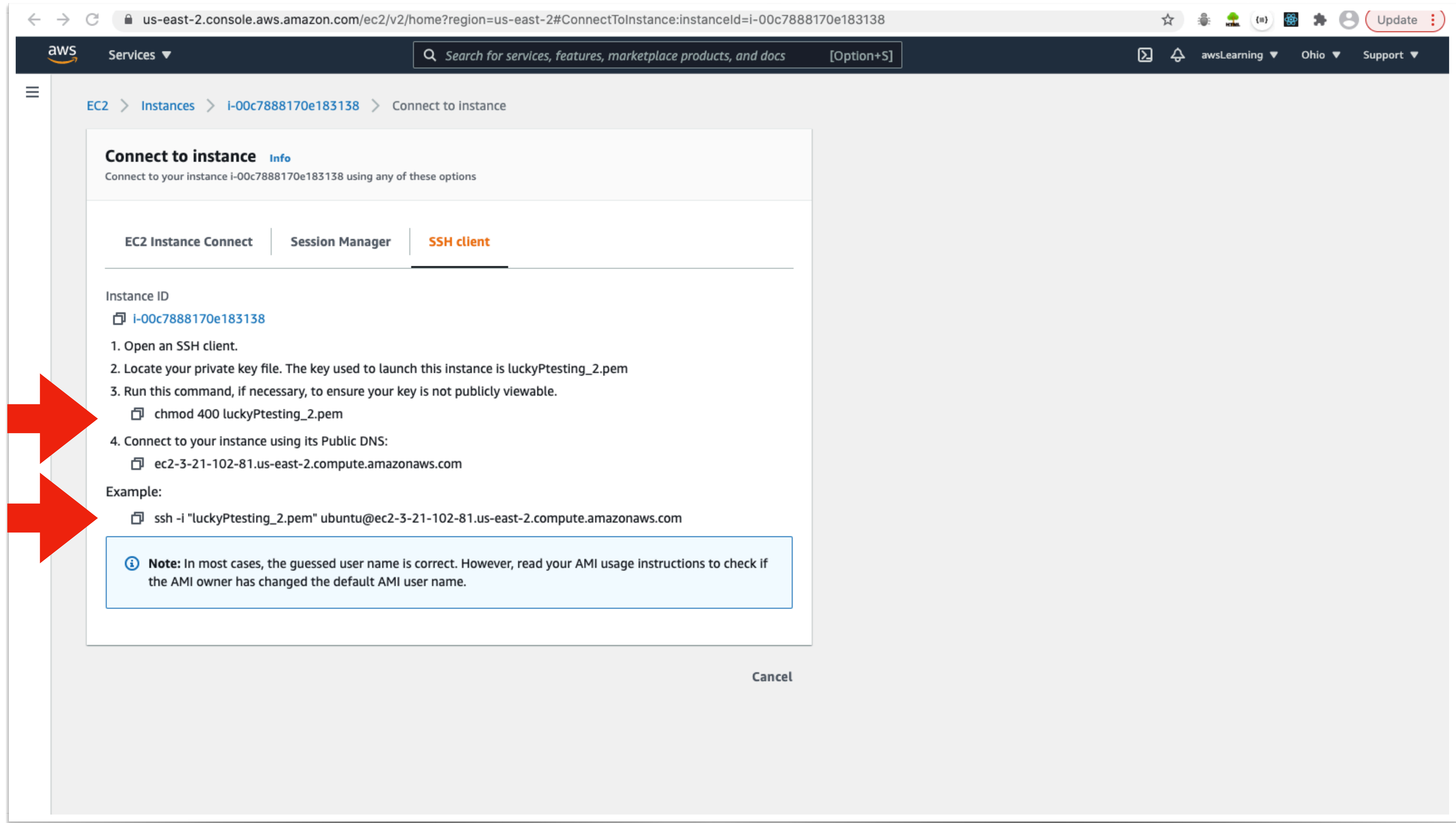
Monitoring

Tags

▼ Instance details Info

Platform	AMI ID	Monitoring
<div>📄 Ubuntu (Inferred)</div>	<div>📄 <a href="#">ami-0a91cd140a1fc148a</a></div>	<div>disabled</div>
Platform details	AMI name	Termination protection
<div>📄 Linux/UNIX</div>	<div>📄 ubuntu/images/hvm-ssd/ubuntu-focal-20.04-amd64-server-20201026</div>	<div>Disabled</div>
Launch time	AMI location	Lifecycle

Run the chmod and ssh command in your command prompt to start the session



us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#ConnectToInstance:instanceId=i-00c7888170e183138

Services  [Option+S]

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EC2 > Instances > i-00c7888170e183138 > Connect to instance

### Connect to instance [Info](#)

Connect to your instance i-00c7888170e183138 using any of these options

EC2 Instance Connect | Session Manager | **SSH client**

Instance ID  
i-00c7888170e183138

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance is luckyPtesting\_2.pem
3. Run this command, if necessary, to ensure your key is not publicly viewable.  
`chmod 400 luckyPtesting_2.pem`
4. Connect to your instance using its Public DNS:  
`ec2-3-21-102-81.us-east-2.compute.amazonaws.com`

Example:  
`ssh -i "luckyPtesting_2.pem" ubuntu@ec2-3-21-102-81.us-east-2.compute.amazonaws.com`

**Note:** In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.

Cancel