

## Adv. devops lab 3

EC2 > Instances > Launch an instance

### 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

Master

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 our full catalog including 1000s of application and OS images

#### ▼ Summary

Number of instances Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.5.2...[read more](#)  
ami-0ebfd941bbafe70c6

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Cancel

Launch instance

Instances (4) Info

Last updated less than a minute ago

Connect

Instance state ▼

Actions ▼

Launch instances ▼

All states ▼

Instance state = running X

Clear filters

< 1 >

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	aws-cloud9-ha...	i-03cb63f91dc3417d9	Running	t2.micro	2/2 checks passed	<a href="#">View alarms</a> +	us-east-1b
<input type="checkbox"/>	worker 1	i-0c9fe8c234dfde7ad	Running	t2.micro	2/2 checks passed	<a href="#">View alarms</a> +	us-east-1a
<input type="checkbox"/>	worker 2	i-096c78b3e09db6c04	Running	t2.micro	2/2 checks passed	<a href="#">View alarms</a> +	us-east-1a
<input type="checkbox"/>	Master	i-000b3fe94ba8d2b2e	Running	t2.micro	2/2 checks passed	<a href="#">View alarms</a> +	us-east-1d

EC2 > Security Groups > sg-0473ed326fee0a724 - launch-wizard-1 > Edit inbound rules

### Edit inbound rules Info

Inbound rules control the incoming traffic that's allowed to reach the instance.

#### Inbound rules Info

Security group rule ID	Type <small>Info</small>	Protocol <small>Info</small>	Port range <small>Info</small>	Source <small>Info</small>	Description - optional <small>Info</small>
sg-r-0f205f80f3604fa4a	SSH	TCP	22	Cust...	

0.0.0.0/0 X

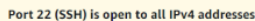
Delete

Add rule

## Info

Connect to your instance `i-096c78b3e09db6c04` (worker 2) using any of these options

EC2 serial console



Port 22 (SSH) is currently open to all IPv4 addresses, indicated by **0.0.0.0/0** in the inbound rule in [your security group](#). For increased security, consider restricting access to only the EC2 Instance Connect service IP addresses for your Region: 18.206.107.24/29. [Learn more](#).

Instance ID

i-096c78b3e09db6c04 (worker 2)

Connection Type

- **Connect using EC2 Instance Connect**  
Connect using the EC2 Instance Connect browser-based client, with a public IPv4 or IPv6 address.

- ☐ **Connect using EC2 Instance Connect Endpoint**  
Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

[illegible]

Package	Architecture	Version	Repository
Installing: docker	x86_64	25.0.6-1.amzn2023.0.2	amazonlinux
Installing dependencies:			
containerd	x86_64	1.7.20-1.amzn2023.0.1	amazonlinux
iptables-libs	x86_64	1.8.8-3.amzn2023.0.2	amazonlinux
iptables-nft	x86_64	1.8.8-3.amzn2023.0.2	amazonlinux
Installed:			
containerd-1.7.20-1.amzn2023.0.1.x86_64		docker-25.0.6-1.amzn2023.0.2.x86_64	iptables-libs-1.8.8-3.amzn2023.0.2.x86_64
iptables-nft-1.8.8-3.amzn2023.0.2.x86_64		libcgrou-3.0-1.amzn2023.0.1.x86_64	libnetfilter_conntrack-1.0.8-2.amzn2023.0.2.x86_64
libnftnl-1.0.1-19.amzn2023.0.2.x86_64		libnftnl-1.2.2-2.amzn2023.0.2.x86_64	pigz-2.5-1.amzn2023.0.3.x86_64
runcl-1.13-1.amzn2023.0.1.x86_64			

```
Complete!  
[root@ip-172-31-3-250 ec2-user]# docker --version  
Docker version 25.0.5, build 5dc9bcc  
[root@ip-172-31-3-250 ec2-user]#
```

```
[ec2-user@ip-172-31-34-122 ~]$ kubeadm version
kubectrl version --client
kubelet --version
kubeadm version: &version.Info{Major:"1", Minor:"26", GitVersion:"v1.26.1", GitCommit:"8f94681cd294aa8cfd3407b8191f6c70214973a4", GitTreeState:"clean", BuildDate:"2023-01-18T15:56:50Z", GoVersion:"gol.19.5", Compiler:"gc", Platform:"linux/amd64"}
WARNING: This version information is deprecated and will be replaced with the output from kubectrl version --short. Use --output=yaml|json to get the full version.
Client Version: version.Info{Major:"1", Minor:"26", GitVersion:"v1.26.1", GitCommit:"8f94681cd294aa8cfd3407b8191f6c70214973a4", GitTreeState:"clean", BuildDate:"2023-01-18T15:58:16Z", GoVersion:"gol.19.5", Compiler:"gc", Platform:"linux/amd64"}
Kustomize Version: v4.5.7
Kubernetes v1.26.1
```