


Summary

This Cloud Lab covers creation of 1st EC2 instance & linux login:

Create free tier Linux EC2 instance:



Amazon Linux
Free tier eligible

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0dc2d3e4c0f9ebd18 (64-bit x86) / ami-008a8487adc2b32ec (64-bit Arm)

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

Select

☒ 64-bit (x86)
☐ 64-bit (Arm)

	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

[Cancel](#)
[Previous](#)
[Review and Launch](#)
[Next: Configure Instance Details](#)

Number of instances [Launch into Auto Scaling Group](#)

Purchasing option ☐ Request Spot instances

Network [Create new VPC](#)

Subnet [Create new subnet](#)

Auto-assign Public IP

Placement group ☐ Add instance to placement group

Capacity Reservation

Domain join directory [Create new directory](#)

[Cancel](#)
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Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encryption
Root	/dev/xvda	snap-053c42bdb1128764a	<input type="text" value="8"/>	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypt

Change Source to My IP:


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

Security group name:


Description:

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	My IP <input type="text" value=""/>	e.g. SSH for Admin Desktop

Create and utilize keys

Choose an existing key pair 

Select a key pair


myfirstec2instance 



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

Cancel Launch Instances


Instructions for connecting with SSH:

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

Instance ID
 i-0d560f1fb92d0df36

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance is myfirstec2instance.pem
3. Run this command, if necessary, to ensure your key is not publicly viewable.
 `chmod 400 myfirstec2instance.pem`
4. Connect to your instance using its Public DNS:
 `ec2-54-146-11-151.compute-1.amazonaws.com`

Example:

 `ssh -i "myfirstec2instance.pem" ec2-user@ec2-54-146-11-151.compute-1.amazonaws.com`

Connect using SSH, if using Win10 – SSH is loaded in CLI:

```
C:\Users\IvanVlad\Desktop\CLOUD STASH>ls
'ls' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\IvanVlad\Desktop\CLOUD STASH>cd aws training

C:\Users\IvanVlad\Desktop\CLOUD STASH\AWS Training>dir
Volume in drive C is OSDisk
Volume Serial Number is 241D-7C71

Directory of C:\Users\IvanVlad\Desktop\CLOUD STASH\AWS Training

07/11/2021  02:42 PM    <DIR>          .
07/11/2021  02:42 PM    <DIR>          ..
07/11/2021  01:26 AM             1,244,175 AWS-LABS_Account_Admin.docx
07/11/2021  01:04 AM              96 iamadmin_accessKeys_general.csv
07/11/2021  01:09 AM              96 iamadmin_accessKeys_production.csv
07/11/2021  02:42 PM             1,700 myfirstec2instance.pem
               4 File(s)          1,246,067 bytes
               2 Dir(s)      347,756,855,296 bytes free

C:\Users\IvanVlad\Desktop\CLOUD STASH\AWS Training>ssh -i "myfirstec2instance.pem" ec2-user@ec2-54-146-11-151.compute-1.
amazonaws.com
The authenticity of host 'ec2-54-146-11-151.compute-1.amazonaws.com (54.146.11.151)' can't be established.
ECDSA key fingerprint is SHA256:b0Ty1RB5MQpJF4Xa9014J0UeDxD87WToghVwD+/wucw.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-54-146-11-151.compute-1.amazonaws.com,54.146.11.151' (ECDSA) to the list of known hosts.
```

```
  _ |   _ | _ )
 _ | (   /
 _ | \  _ | _ |
```

Amazon Linux 2 AMI

```
https://aws.amazon.com/amazon-linux-2/
2 package(s) needed for security, out of 13 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-28-223 ~]$
```