


## Summary

This Cloud Lab covers creation of 1<sup>st</sup> EC2 instance & linux login.

2<sup>nd</sup> part is 1<sup>st</sup> S3 bucket creation:

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 <span style="background-color: #90EE90; padding: 2px;">Free tier eligible</span>	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
Previous
Review and Launch
Next: Add Storage

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

Select a key pair

☒ 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 ~]$
```

Create S3 koala bucket and upload files, create archive folder:

Search for services, features, marketplace products, and docs [Alt+S] iamadmin @ ivan-general Global Support

Successfully created bucket "koalacampaign-ivan1234567"  
To upload files and folders, or to configure additional bucket settings choose [View details](#).

Amazon S3

**Account snapshot**  
Storage lens provides visibility into storage usage and activity trends. [Learn more](#) [View Storage Lens dashboard](#)

**Buckets (1)** [Info](#)  
Buckets are containers for data stored in S3. [Learn more](#)

[Refresh](#) [Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

[Find buckets by name](#) < 1 > [Settings](#)

Name	AWS Region	Access	Creation date
koalacampaign-ivan1234567	US East (N. Virginia) us-east-1	Objects can be public	July 11, 2021, 15:33:59 (UTC-05:00)

© 2008 - 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#) [Cookie preferences](#)

## koalacampaign-ivan1234567 [Info](#)




[Objects](#) [Properties](#) [Permissions](#) [Metrics](#) [Management](#) [Access Points](#)

### Objects (3)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

[Refresh](#) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#) [Upload](#)

[Find objects by prefix](#) < 1 > [Settings](#)

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	 koalanom1.jpg	jpg	July 11, 2021, 15:40:35 (UTC-05:00)	20.9 KB	Standard
<input type="checkbox"/>	 koalanom2.jpg	jpg	July 11, 2021, 15:40:35 (UTC-05:00)	43.7 KB	Standard
<input type="checkbox"/>	 koalazzz.jpg	jpg	July 11, 2021, 15:40:34 (UTC-05:00)	184.3 KB	Standard