

Introduction to Amazon EC2 - Lab Summary

 Amazon EC2 (Elastic Compute Cloud) by Rachit Gupta

Step-by-Step EC2 Launch Guide with Visuals

1. Sign In to AWS Console

- Navigate to <https://console.aws.amazon.com> and log in to your AWS account.[AWS Documentation+2](#)[AWS Documentation+2](#)[GeeksforGeeks+2](#)

2. Access EC2 Dashboard

- In the AWS Console, search for EC2 in the Services search bar and select it to open the EC2 Dashboard.

3. Launch a New Instance

- Click on the Launch Instance button to start the instance creation process.[AWS Documentation+3](#)[LinkedIn+3](#)[Amazon Web Services, Inc.+3](#)

4. Name Your Instance

- Under Name and tags, enter a descriptive name for your instance to easily identify it later.[GeeksforGeeks+4](#)[AWS Documentation+4](#)[LinkedIn+4](#)

5. Choose an Amazon Machine Image (AMI)

- Select an AMI, such as Amazon Linux 2 AMI, which is eligible for the free tier.
[Griffith Lab+3](#)[LinkedIn+3](#)[Amazon Web Services, Inc.+3](#)

6. Select Instance Type

- Choose an instance type like t2.micro, which is free tier eligible and suitable for general-purpose workloads.[Griffith Lab+3](#)[GeeksforGeeks+3](#)[Amazon Web Services, Inc.+3](#)

7. Configure Key Pair

- Under Key pair (login), select an existing key pair or create a new one. This is essential for securely connecting to your instance.[AWS Documentation+3](#)[LinkedIn+3](#)[AWS Documentation+3](#)

8. Configure Network Settings

- Set up your network settings, including selecting a VPC and subnet. You can use the default settings or customize as needed.

9. Add Storage

- Specify the storage requirements for your instance. The default settings are typically sufficient for beginners.

10. Review and Launch

- **Review all your configurations. Once satisfied, click on Launch Instance to create your EC2 instance.**

11. Connect to Your Instance

- **After the instance state is running, select it and click on Connect. Follow the provided instructions to SSH into your instance using the key pair.**

12. Terminate the Instance

- **To avoid incurring charges, remember to terminate the instance when you're done. Select the instance, click on Instance State, and choose Terminate Instance.**

[Amazon EC2 - Learning Resources](#)

1. AWS Skill Builder - Free Labs and Courses <https://skillbuilder.aws>
2. AWS EC2 Documentation (Official) <https://docs.aws.amazon.com/ec2>
3. AWS re/Start Program (Cloud Career Training)
<https://aws.amazon.com/training/restart/>
4. EC2 Hands-On Tutorials <https://aws.amazon.com/getting-started/hands-on/>
5. Free AWS Cloud Practitioner Essentials Course
<https://www.aws.training/Details/Curriculum?id=20685>
6. YouTube - EC2 Deep Dive (FreeCodeCamp / AWS)
<https://www.youtube.com/watch?v=ulprqHHWlng>
7. GitHub Repositories with EC2 Projects
<https://github.com/search?q=ec2+projects>
8. Free Tier EC2 Guide <https://aws.amazon.com/free/>

For a more detailed walkthrough, you can refer to the official AWS documentation:
[Getting Started with Amazon EC2](#).

Follow Rachit Gupta for more bite-sized cloud, DevOps, and AWS learning updates.