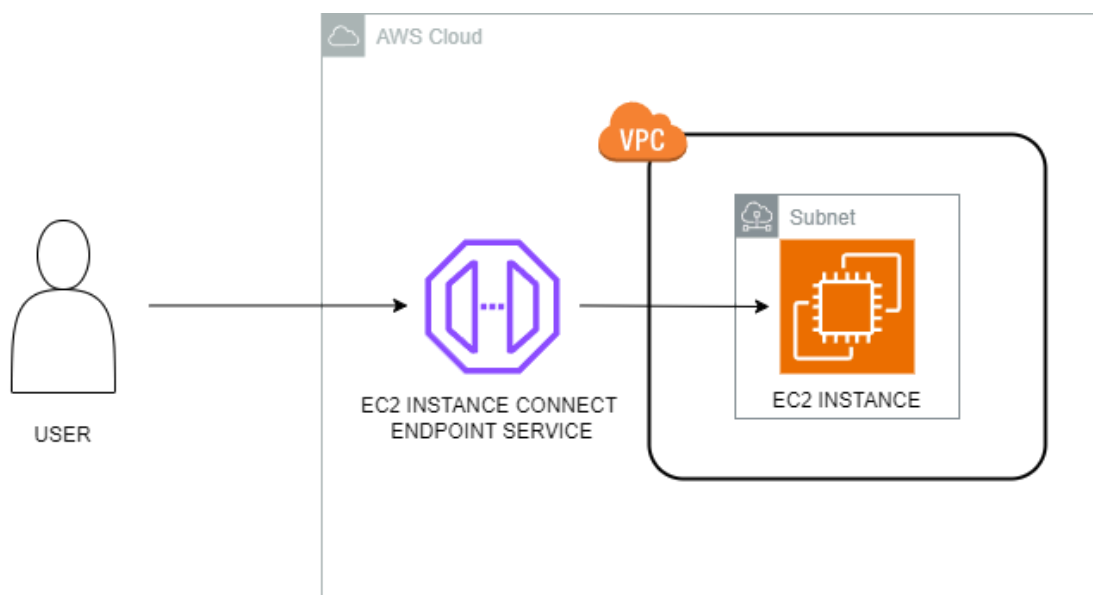


Guided Lab: Using EC2 Instance Connect to connect to your Instance

Description

Amazon EC2 Instance Connect provides a simple and secure way to connect to your EC2 instances using Secure Shell (SSH). It eliminates the need for managing SSH keys manually and enhances the security of your instances. This lab will guide you through the process of setting up EC2 Instance Connect and connecting to an EC2 instance.



Prerequisites

This lab assumes you have experience creating EC2 instances and are familiar with its basic components.

If you find any gaps in your knowledge, consider taking the following labs:

- Creating an Amazon EC2 instance (Linux)

Objectives

In this lab, you will:

- Understand the concept of EC2 Instance Connect.
- Configure EC2 instances to allow connections using EC2 Instance Connect.
- Connect to an EC2 instance using EC2 Instance Connect.

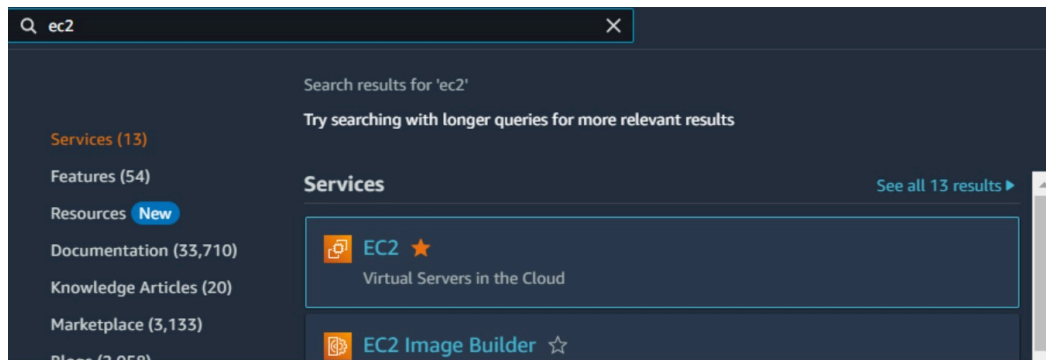
Subscribe to access AWS

PlayCloud Labs

Lab Steps

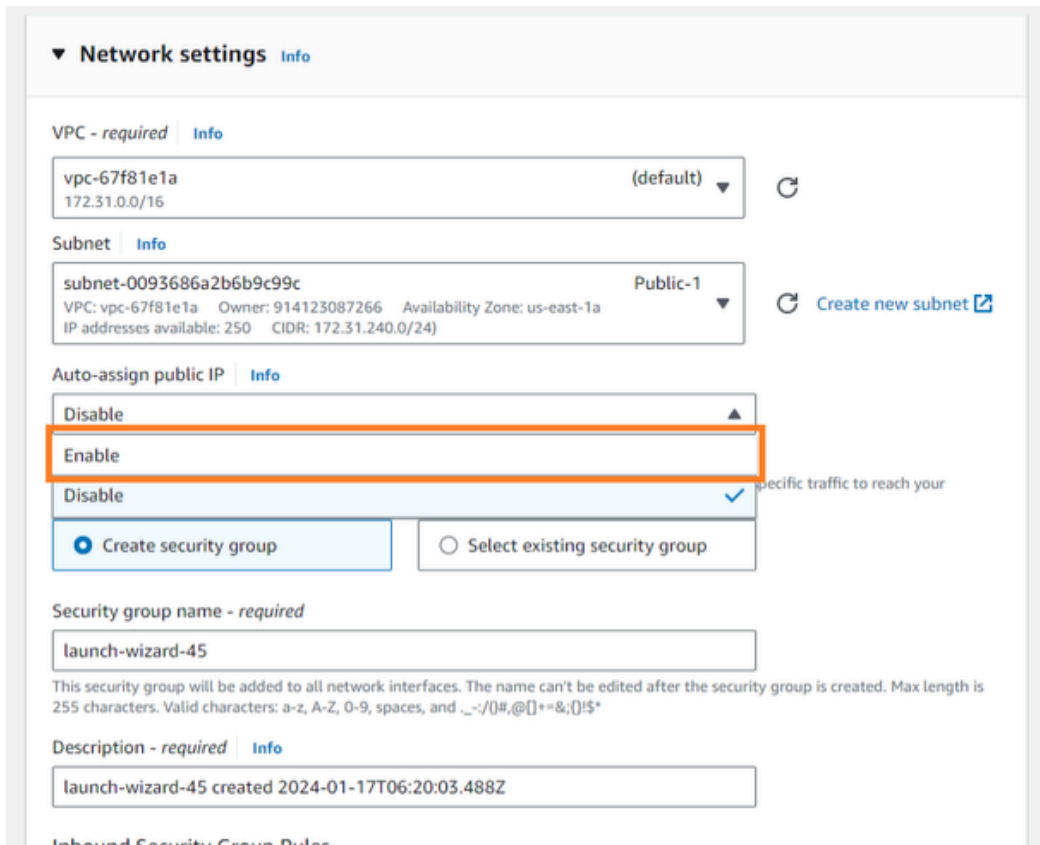
Launching your EC2 Instance

1. Search “**ec2**” in the AWS Management Console search bar. Click **EC2** on the search results.



2. Launch EC2 instance with the following configurations.
 - Name: **td-instance-connect-guide**
 - AML: **Amazon Linux**
 - Instance type: **t2.micro**
 - Key pair: (Optional) **Proceed without a key pair**
 - Network settings:
 - Allow SSH traffic from: **Anywhere**
 - Auto-assign public IP: **Enable** (If not enabled, do these steps before launching your EC2 instance.)
 - Under **Network Settings**, click “**Edit**”.

- Under the “Auto-assign public IP” dropdown, select “Enable”.



▼ Network settings Info

VPC - required Info

vpc-67f81e1a (default) 172.31.0.0/16

Subnet Info

subnet-0093686a2b6b9c99c Public-1 VPC: vpc-67f81e1a Owner: 914123087266 Availability Zone: us-east-1a IP addresses available: 250 CIDR: 172.31.240.0/24 Create new subnet

Auto-assign public IP Info

Disable Enable Disable

Create security group Select existing security group

Security group name - required

launch-wizard-45

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and _-:/[]*+=&:()!\$*

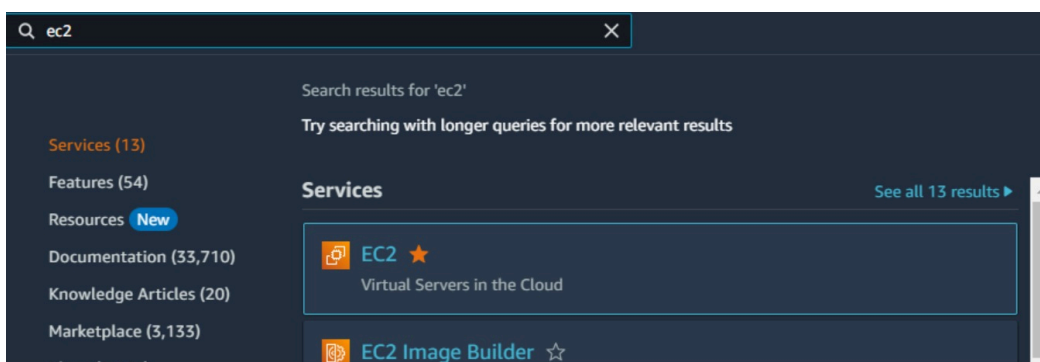
Description - required Info

launch-wizard-45 created 2024-01-17T06:20:03.488Z

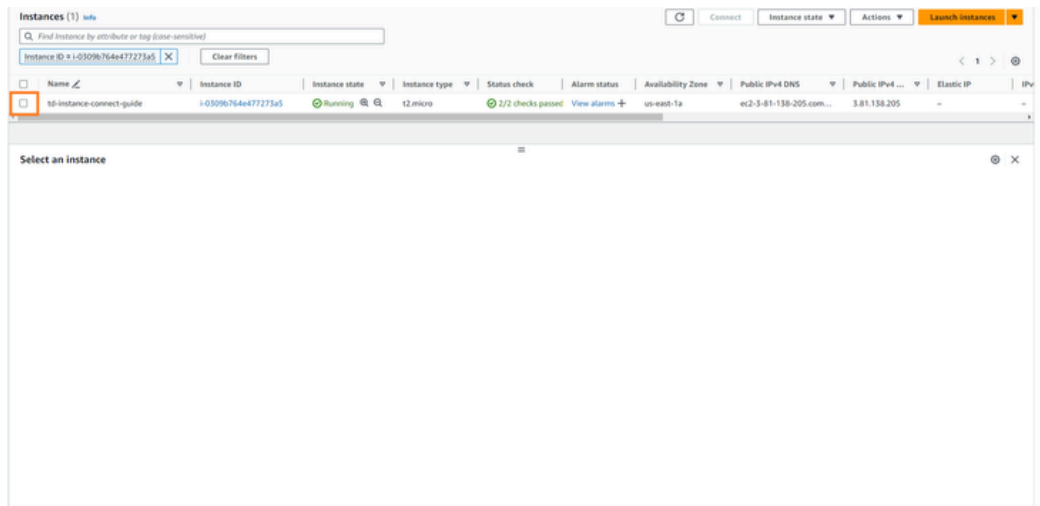
Inbound Security Group Rules

Connecting to your EC2 Instance via EC2 Instance Connect

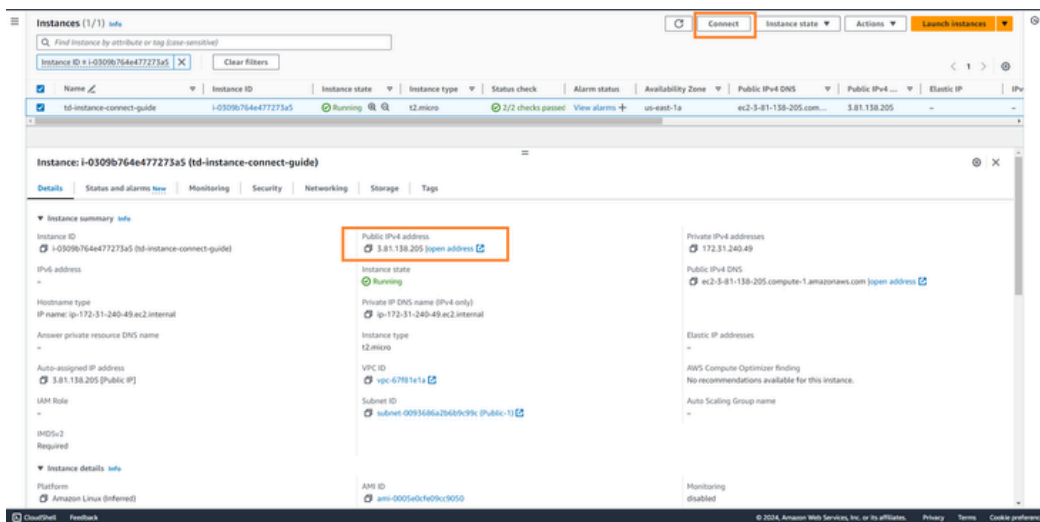
1. Search 'ec2' in the AWS Management Console search bar. Click **EC2** on the search results.



2. Select the EC2 Instance you will be connecting.



3. Ensure that you have a **"Public IP address"** assigned, and click **"Connect"** in the upper right corner of the console.



Warning: Never expose your EC2 instance's public IP openly without proper security measures. Consider using a VPN or restricting access to known IP addresses to enhance security.

Note: The public IP address of your EC2 instance will change if it is stopped and started. Consider using an Elastic IP if you want a static public IP.

4. You will be redirected to a new tab (if not, your window should load like the image below). Go to the **"EC2 Instance Connect"** tab. Click **"Connect"**.

EC2 > Instances > i-0309b764e477273a5 > Connect to instance

Connect to instance Info

Connect to your instance i-0309b764e477273a5 (td-instance-connect-guide) using any of these options

EC2 Instance Connect

Session Manager

SSH client

EC2 serial console

Instance ID

i-0309b764e477273a5 (td-instance-connect-guide)

Connection Type

☒ Connect using EC2 Instance Connect

Connect using the EC2 Instance Connect browser-based client, with a public IPv4 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.

Public IP address

3.81.138.205

Username

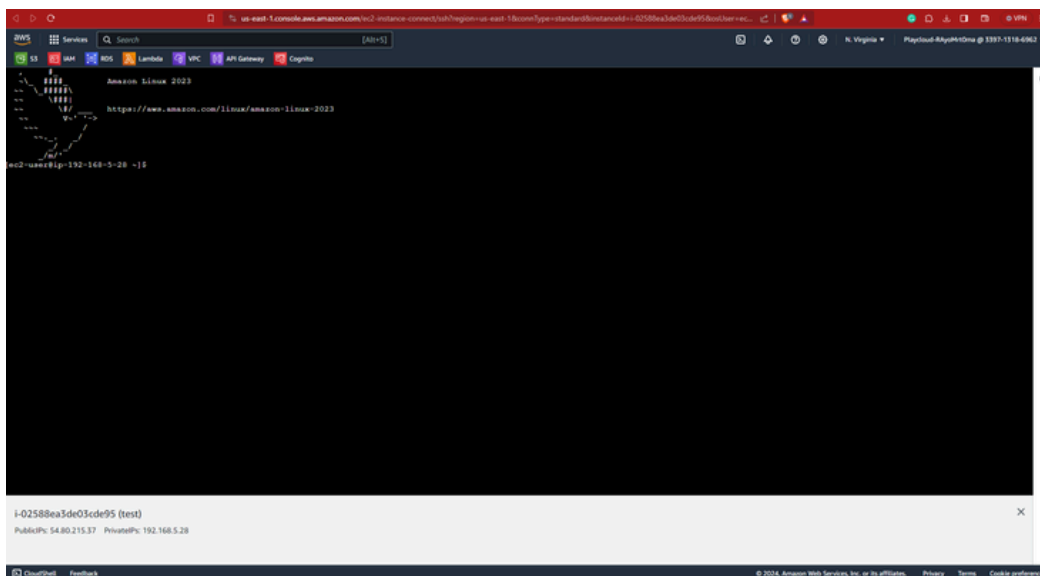
Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ec2-user.

Note: In most cases, the default username, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cance

Connect

5. Congratulations! You have successfully configured EC2 Instance Connect and connected to your EC2 instance using the AWS Management Console.



Tips: Add to your habit of cleaning up the resources after your labs (i.e. in this case, terminating your Instance). This is not only a good habit but gives you good practice in taking responsibility for your resources.

