Day 5 of 100 Days Challenge – How to Connect to EC2 Instance from Windows Laptop

Introduction

This guide demonstrates how to connect to an **AWS EC2 instance** using **MobaXterm**, a user-friendly SSH client for Windows.

Prerequisites

- An active **AWS account**.
- A running **EC2 instance** with SSH access enabled.
- A Windows laptop with **MobaXterm** installed.
- The private key (.pem file) downloaded during EC2 instance setup.

Steps to Connect

1. Launch an EC2 Instance

- Use the **AWS Console** to launch an instance.
- Create and download a key pair (.pem file).
- Ensure the instance has a **public IP address** and SSH is allowed in the **Security Group**.

2. Install MobaXterm

- Download and install **MobaXterm Home Edition** from its official site.

3. Connect to the Instance

- Open MobaXterm and create a new **SSH session**.

- Enter the instance's **public IP address** and **username** (e.g., ubuntu).

- Add the private key (.pem file) in **Advanced SSH Settings**.

4. Verify the Connection

- Execute a basic command like sudo apt update to confirm access.

Best Practices

- **Secure Your Key**: Never share or expose your private key.

- **Automate Processes**: For frequent connections, scripts can simplify the process.

- **Keep Tools Updated**: Ensure MobaXterm and other tools are up-to-date.

Conclusion

Connecting to an EC2 instance using MobaXterm is a beginner-friendly way to manage AWS resources. This process ensures secure and efficient access to your cloud environment.