

README.md

Day 6 of 100 Days Challenge – Connecting to EC2 Instances

Overview

This guide explains two primary methods to connect to EC2 instances using the **AWS Management Console** (UI) and the **AWS CLI**. It also introduces automation techniques to streamline EC2 instance management.

Prerequisites

- AWS CLI installed and configured.
 - Terminal application (e.g., iTerm, PuTTY).
 - AWS access keys and an EC2 instance running.
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Steps to Connect

1. Via AWS Console (UI)

- Navigate to the **EC2 Dashboard**.
- Select your instance and click **Connect**.

2. Via AWS CLI

- Secure the key file: `chmod 600 /path/to/key.pem`.
 - Use SSH to connect: `ssh -i /path/to/key.pem ubuntu@public_ip`.
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Automation with AWS CLI

- Launch an instance:
 - `aws ec2 run-instances --image-id ami-12345678 --count 1 --instance-type t2.micro --key-name YourKeyPair --security-group-ids sg-12345678`
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Best Practices

- Securely store access keys.
 - Regularly update security group permissions.
 - Use IaC tools like **CloudFormation** or **Terraform** for repeatable deployments.
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