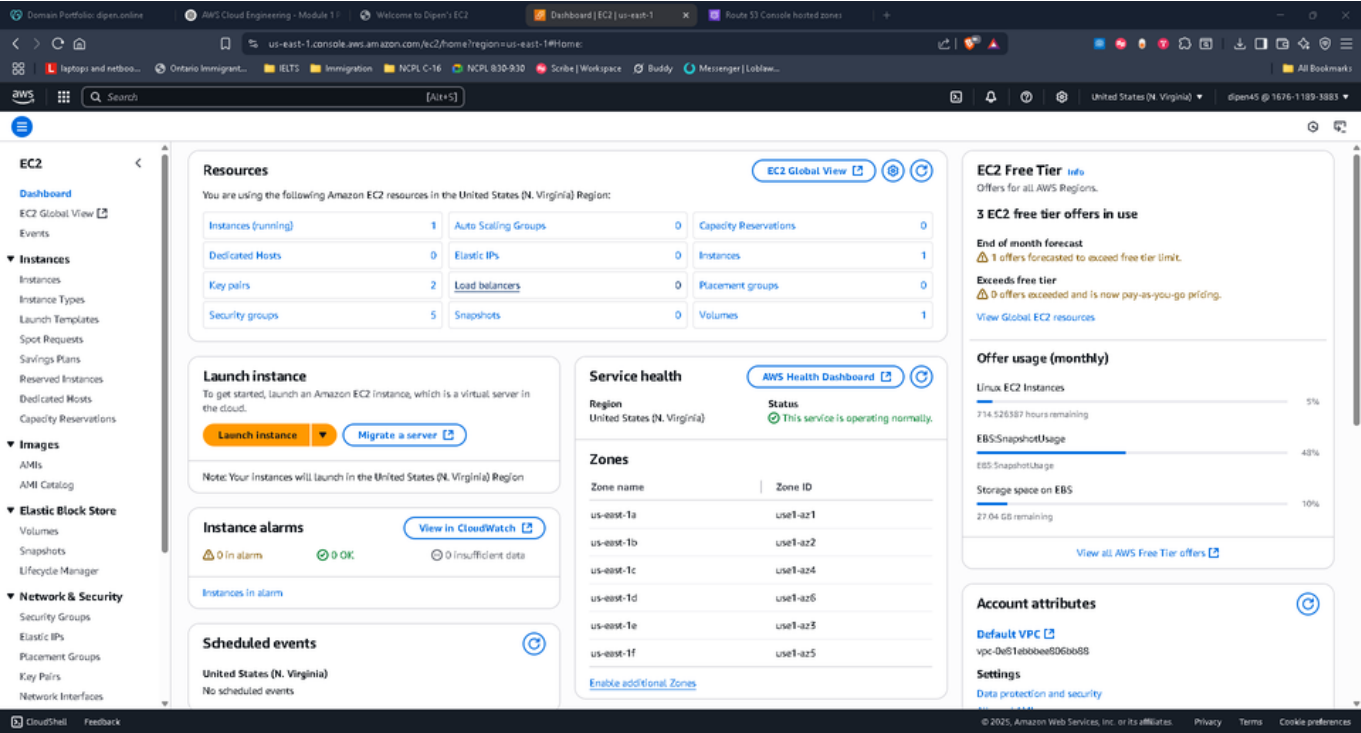


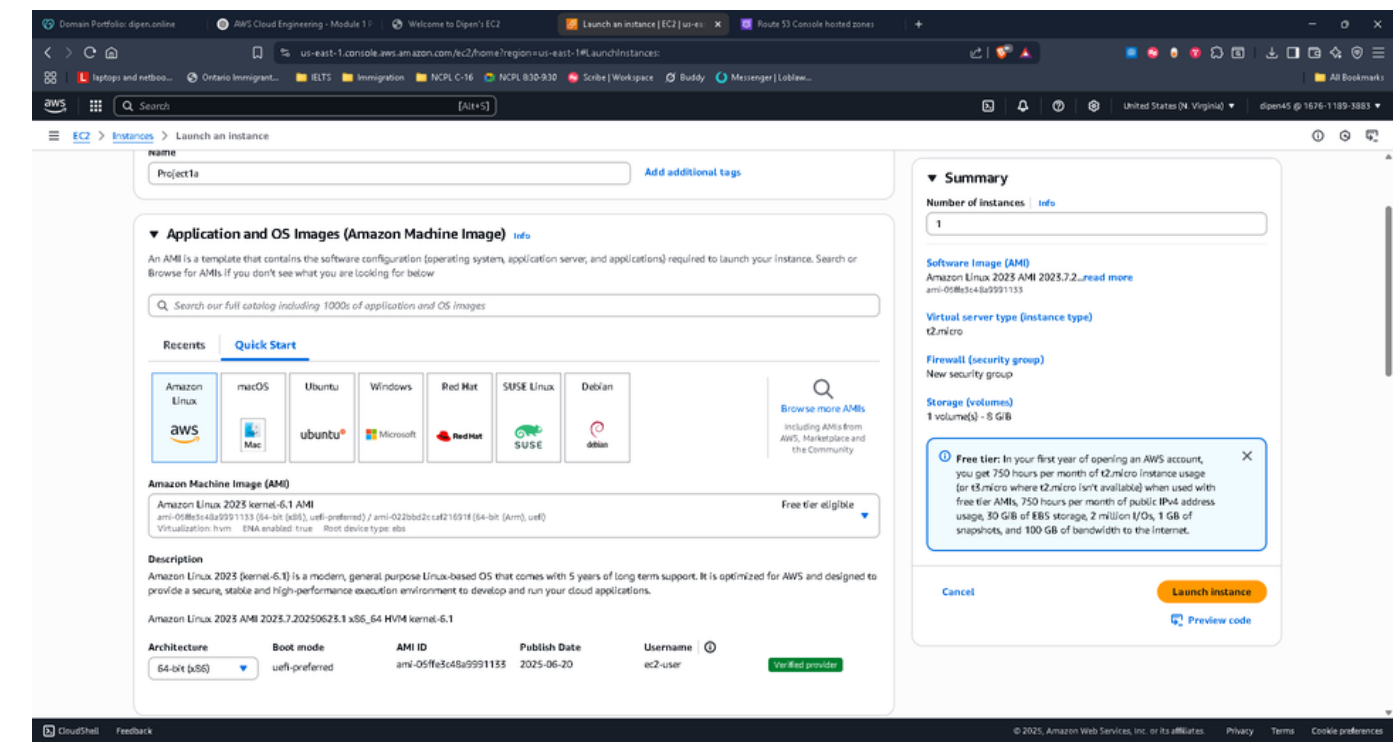
Project1A - Complete AWS Static Website Deployment

This document includes all steps performed in the AWS Console to deploy a static website using EC2, EBS, and IAM Role. Screenshots with descriptions are included for each major step.

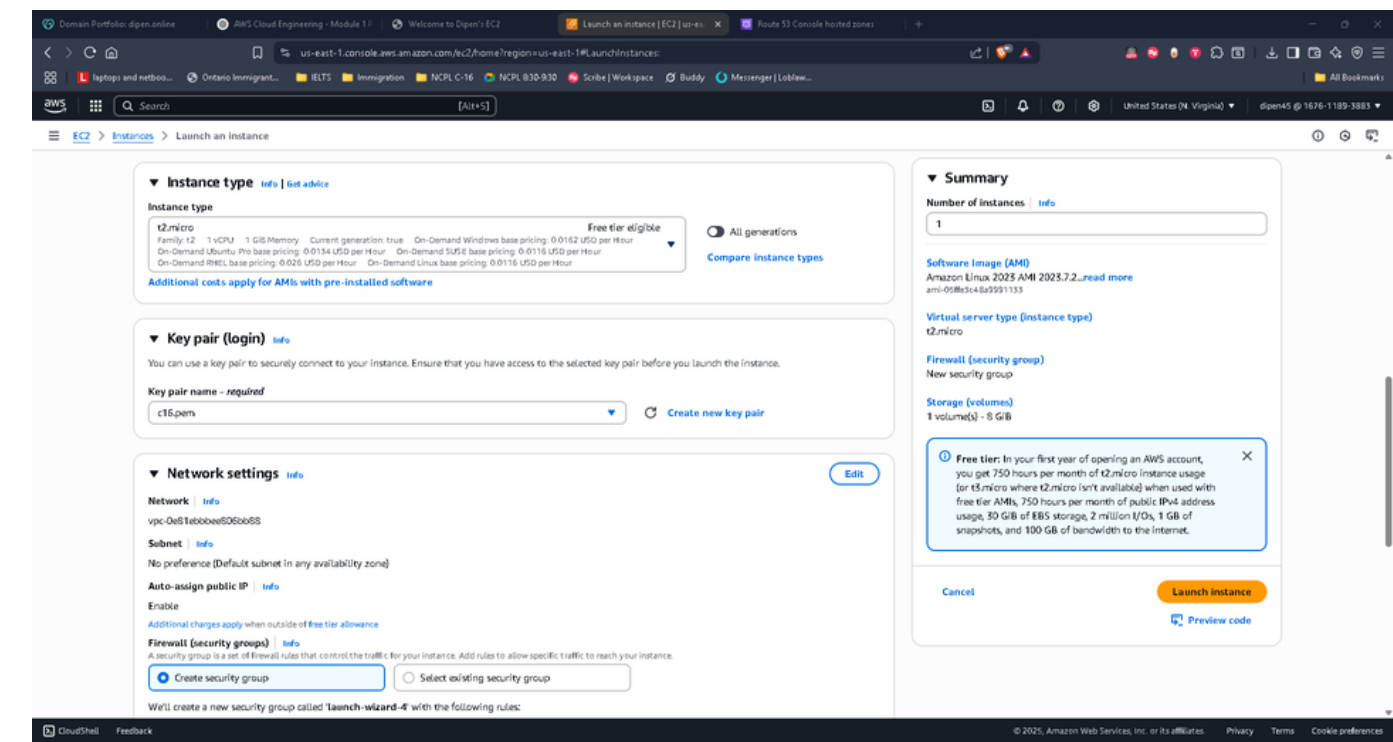
Step 1: Access EC2 Console



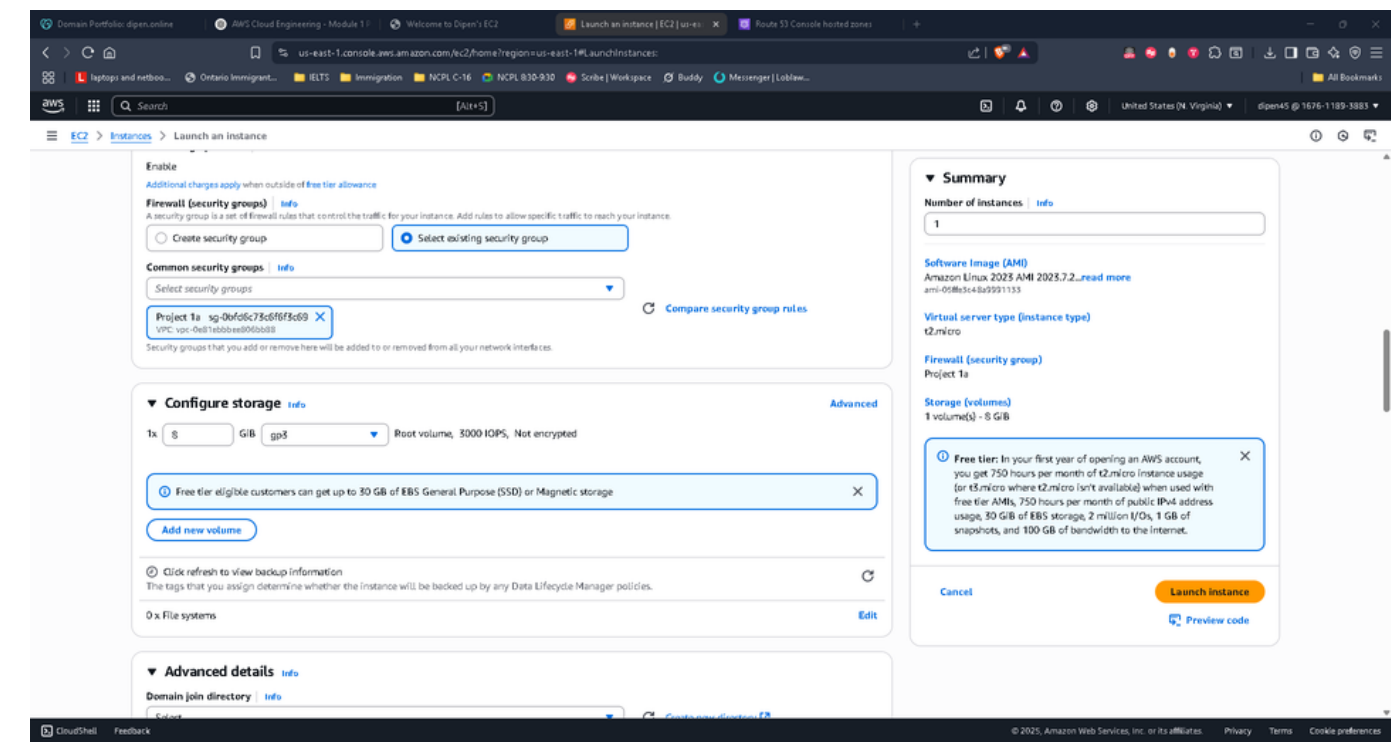
Step 2: Configure EC2 Instance (Part 1)



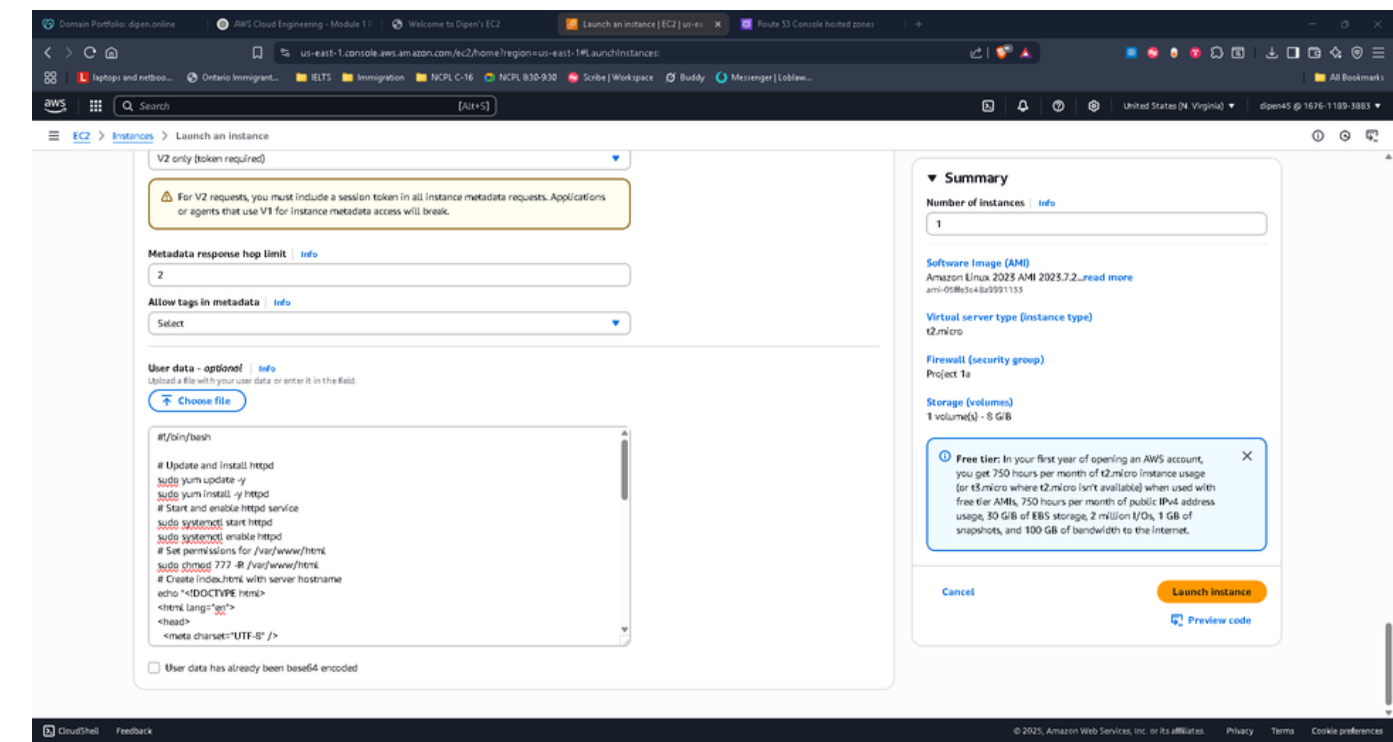
Step 3: Configure EC2 Instance (Part 2)



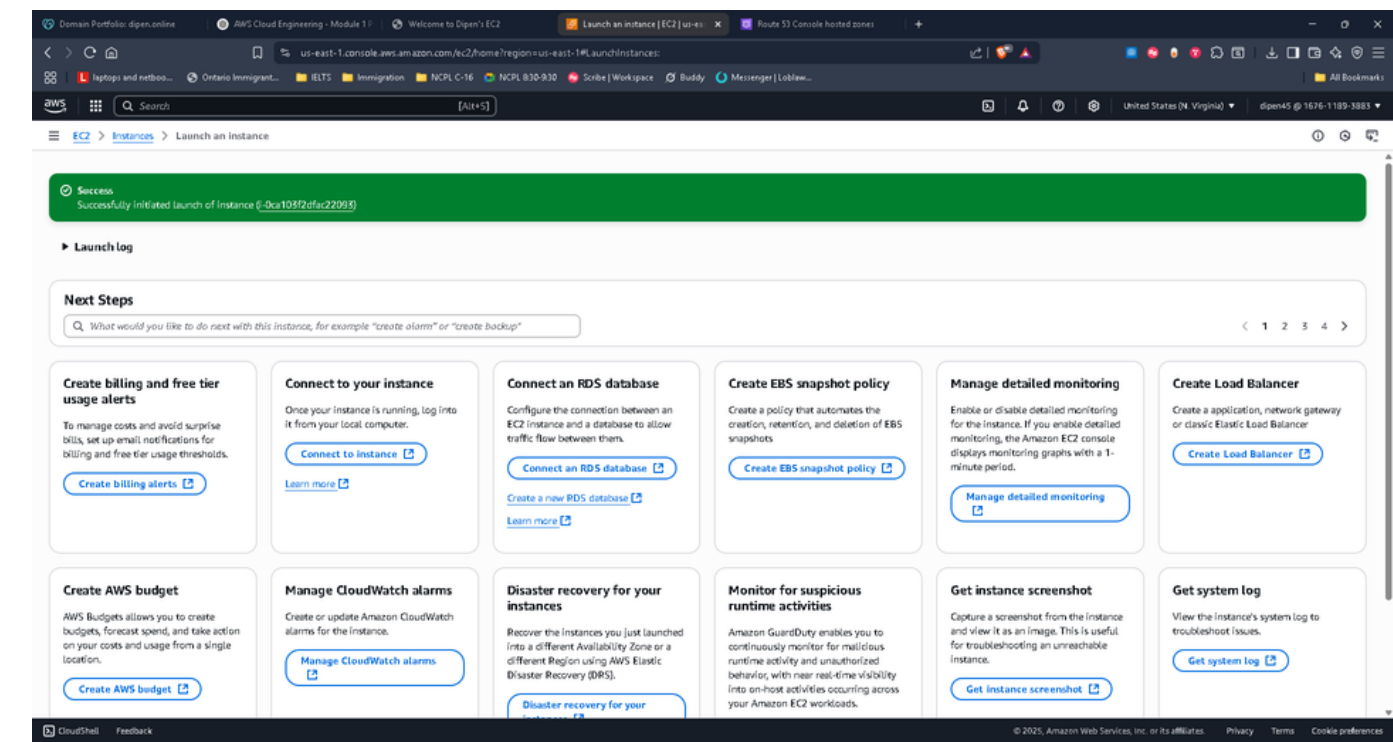
Step 4: Configure EC2 Instance (Part 3)



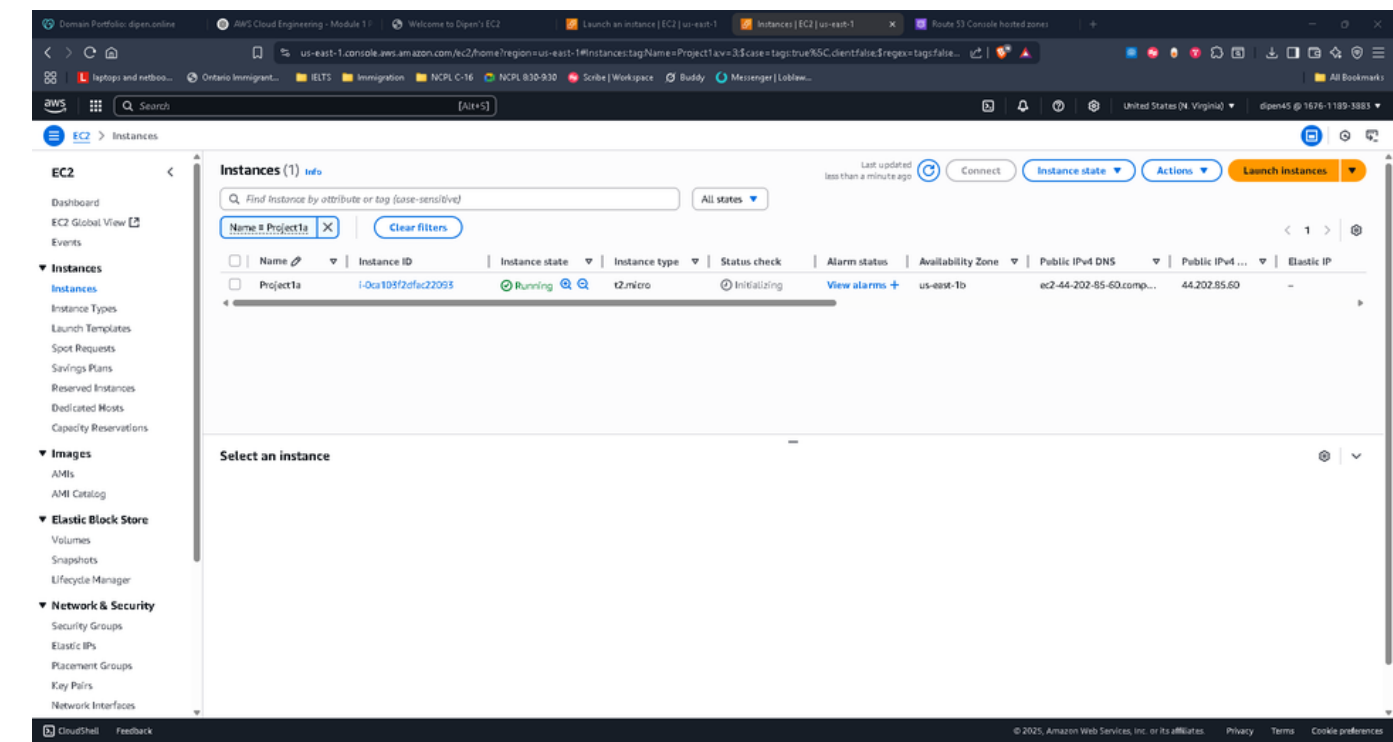
Step 5: User Data for Apache Server



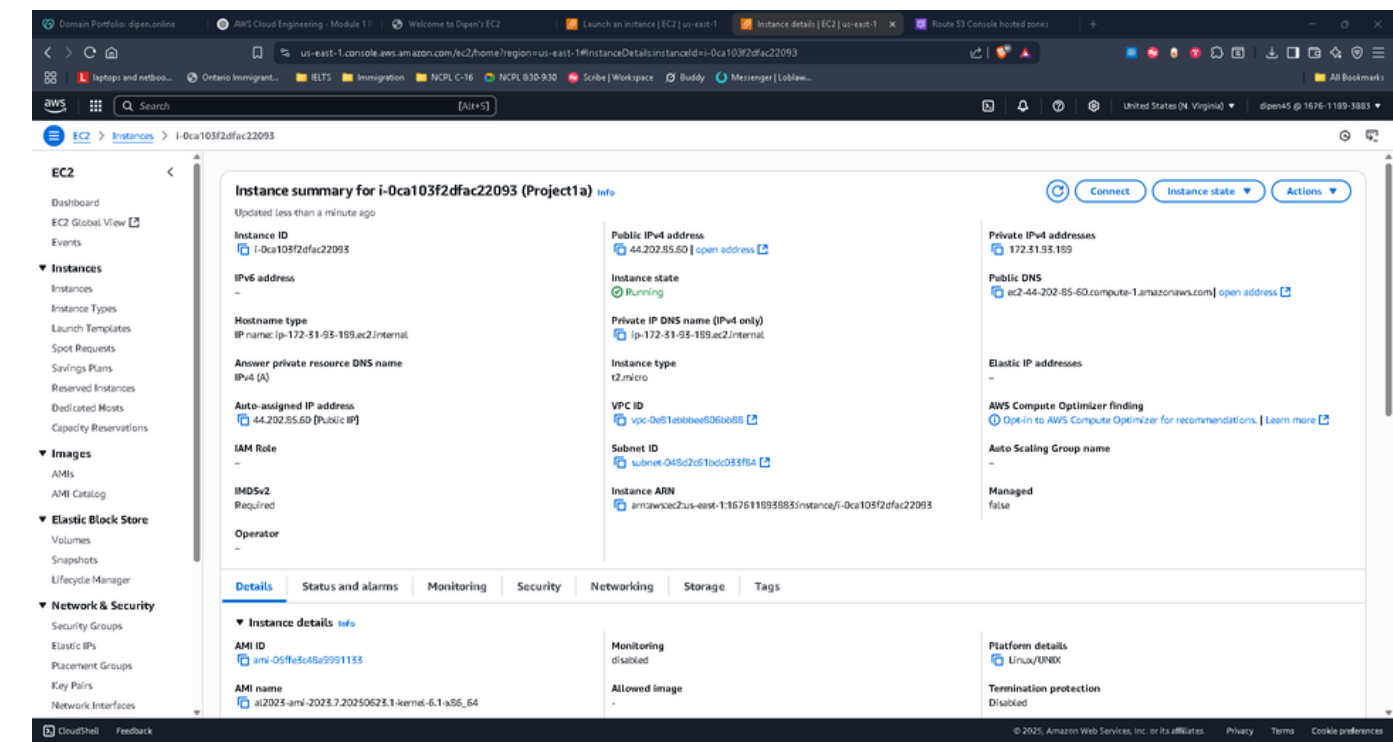
Step 6: Instance Launched Successfully



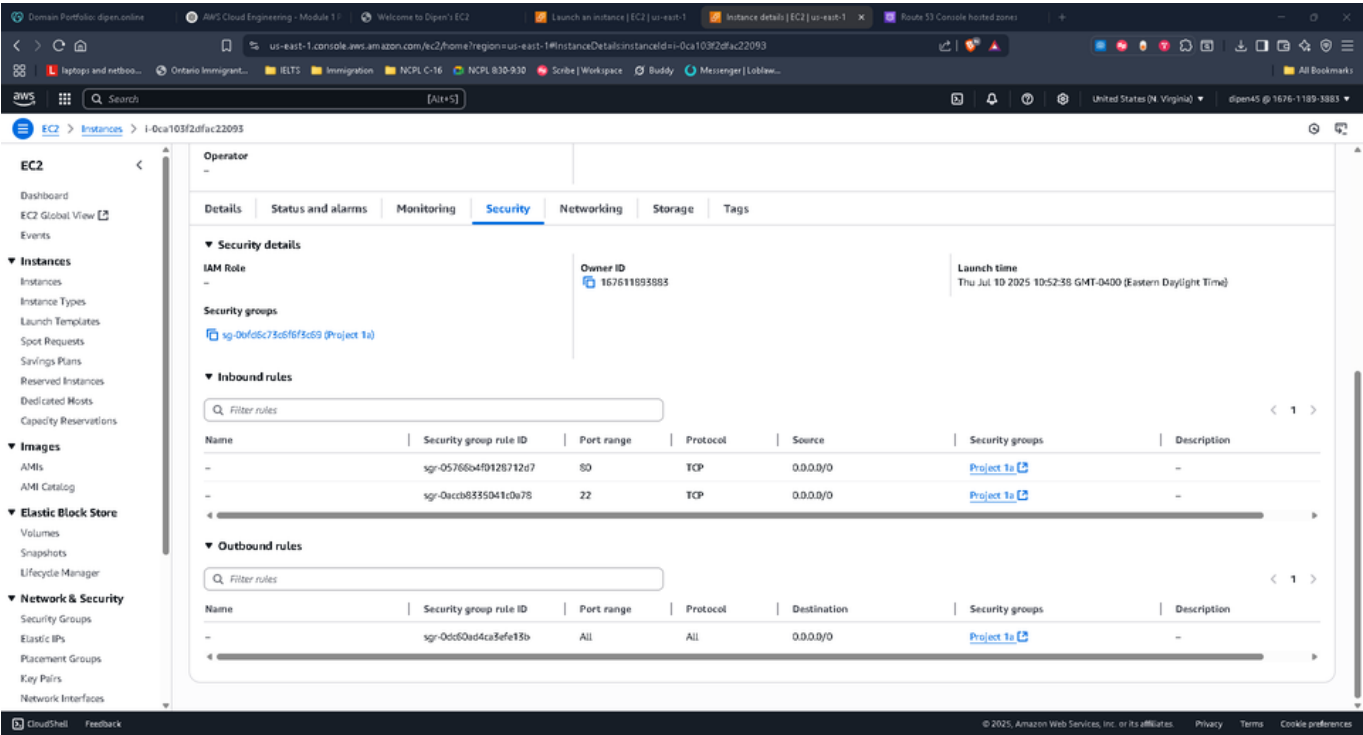
Step 7: Instance Health Check Passed



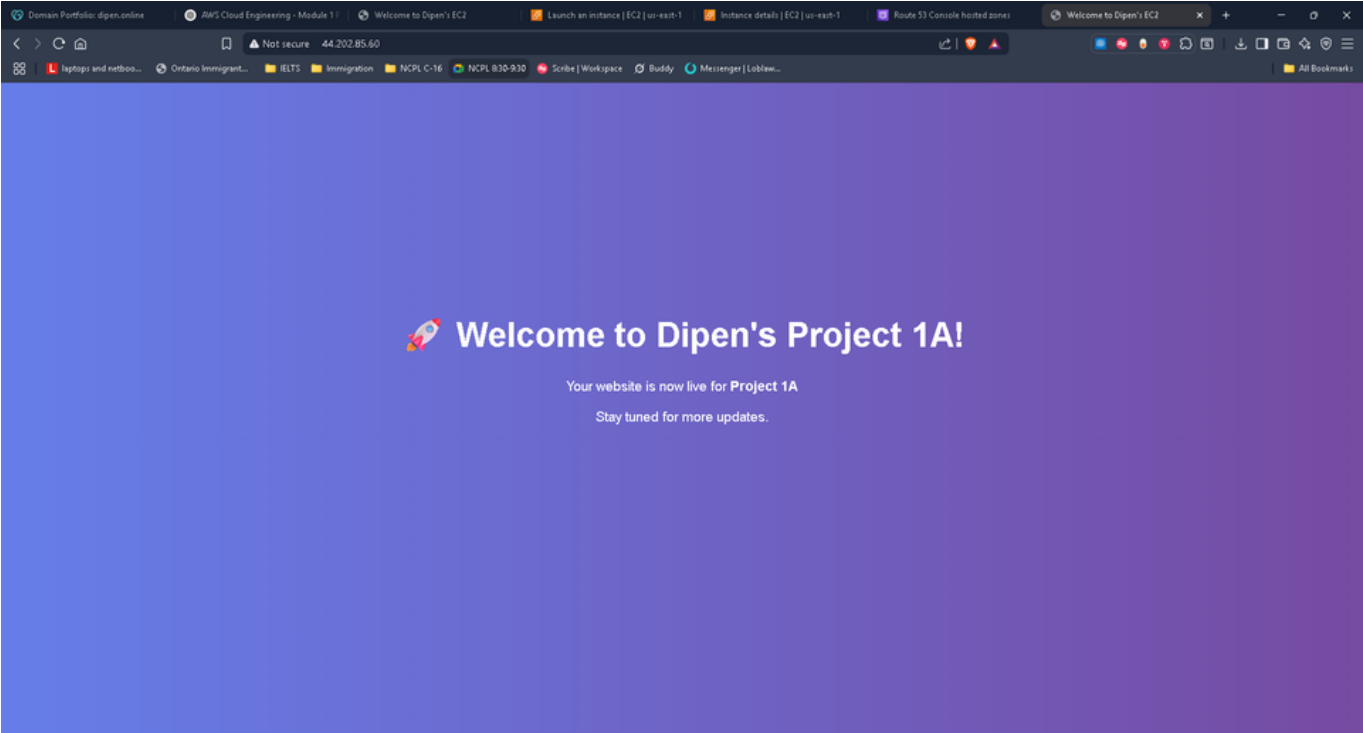
Step 8: Instance Public IP and Metadata



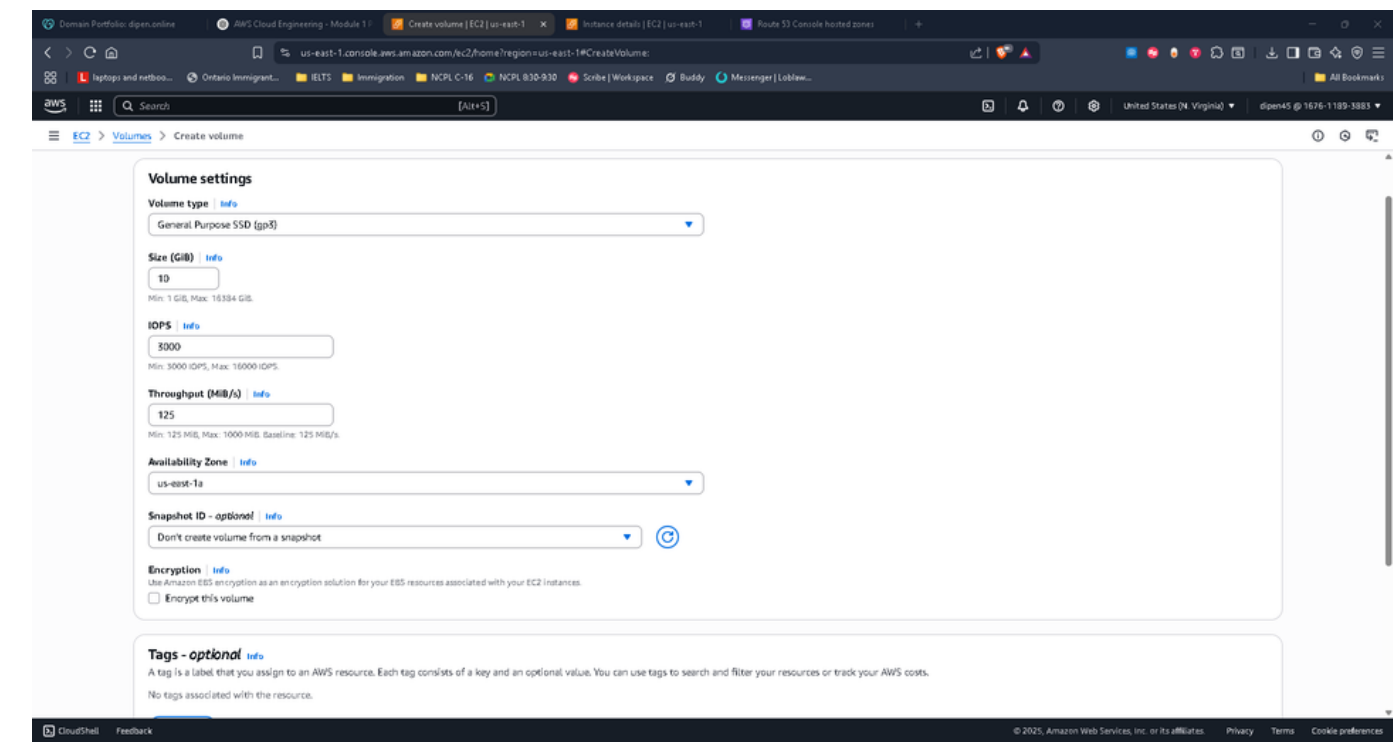
Step 9: Security Group Configuration



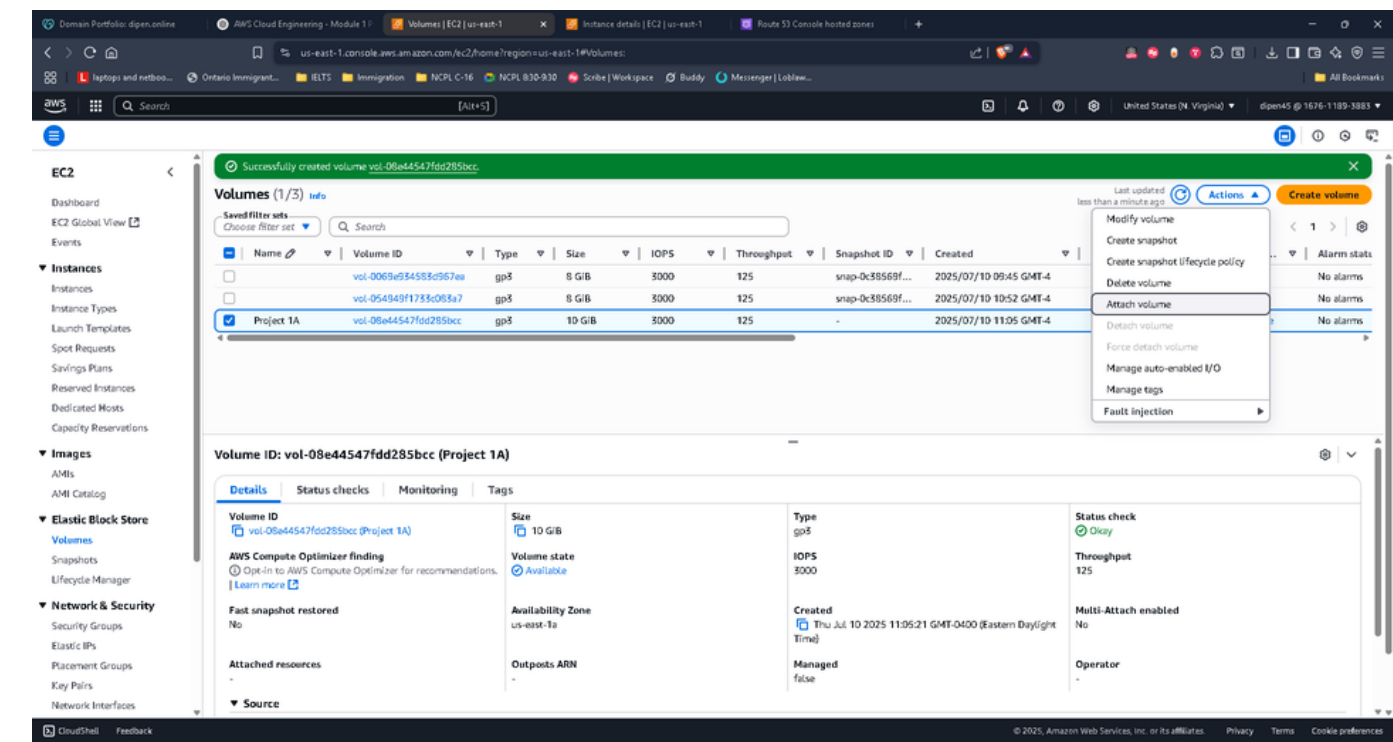
Step 10: Access Website via Browser



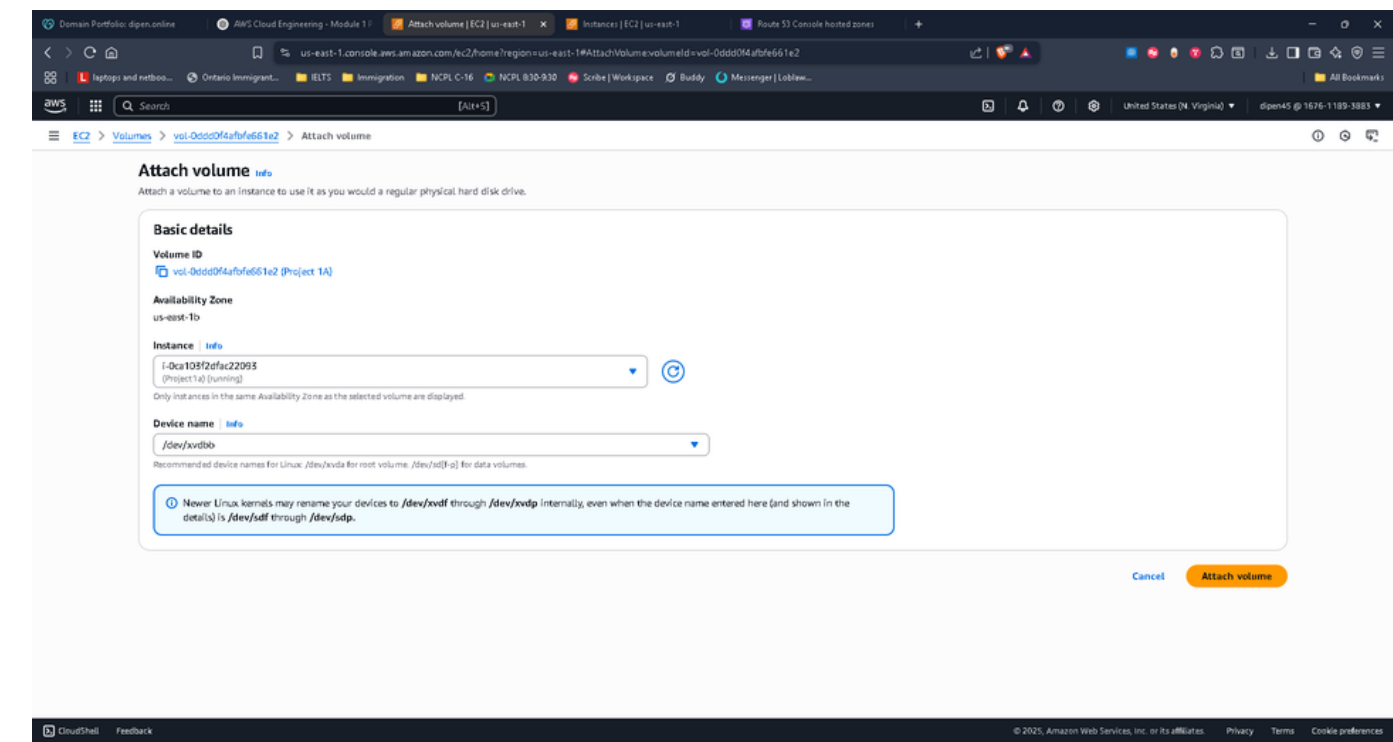
Step 11: Create EBS Volume



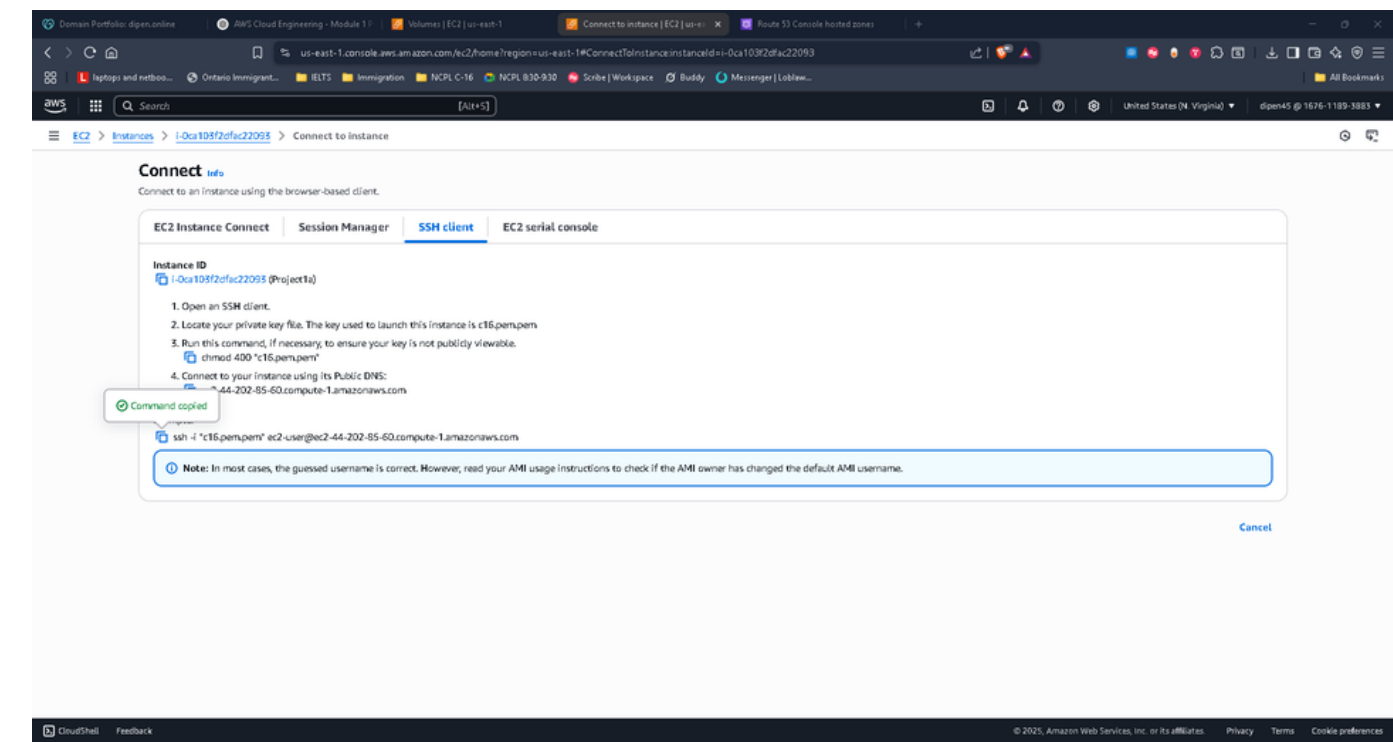
Step 12: Attach EBS Volume to Instance



Step 13: EBS Volume Attached Confirmation




Step 14: SSH into EC2



Step 15: EC2 Access via Git Bash

```
ec2-user@ip-172-31-93-189:~$ ssh -o StrictHostKeyChecking=no ec2-user@ec2-44-202-85-60.compute-1.amazonaws.com
Warning: Permanently added 'ec2-44-202-85-60.compute-1.amazonaws.com' (ECDSA) to the list of known hosts.
```



```
#####
          \_/_/_/
           /_/_/_/
            \_/_/_/
             \_/_/_/
              \_/_/_/
               \_/_/_/
                \_/_/_/
                 \_/_/_/
                  \_/_/_/
                   \_/_/_/
                    \_/_/_/
                     \_/_/_/
                      \_/_/_/
                       \_/_/_/
                        \_/_/_/
                         \_/_/_/
                          \_/_/_/
                           \_/_/_/
                            \_/_/_/
                             \_/_/_/
                              \_/_/_/
                               \_/_/_/
                                \_/_/_/
                                 \_/_/_/
                                  \_/_/_/
                                   \_/_/_/
                                    \_/_/_/
                                     \_/_/_/
                                      \_/_/_/
                                       \_/_/_/
                                        \_/_/_/
                                         \_/_/_/
                                          \_/_/_/
                                           \_/_/_/
                                            \_/_/_/
                                             \_/_/_/
                                              \_/_/_/
                                               \_/_/_/
                                                \_/_/_/
                                                 \_/_/_/
                                                  \_/_/_/
                                                   \_/_/_/
                                                    \_/_/_/
                                                     \_/_/_/
                                                      \_/_/_/
                                                       \_/_/_/
                                                        \_/_/_/
                                                         \_/_/_/
                                                          \_/_/_/
                                                           \_/_/_/
                                                            \_/_/_/
                                                             \_/_/_/
                                                              \_/_/_/
                                                               \_/_/_/
                                                                \_/_/_/
                                                                 \_/_/_/
                                                                  \_/_/_/
                                                                   \_/_/_/
                                                                    \_/_/_/
                                                                     \_/_/_/
                                                                      \_/_/_/
                                                                       \_/_/_/
                                                                        \_/_/_/
                                                                         \_/_/_/
                                                                          \_/_/_/
                                                                           \_/_/_/
                                                                            \_/_/_/
                                                                             \_/_/_/
                                                                              \_/_/_/
                                                                               \_/_/_/
                                                                                \_/_/_/
                                                                                 \_/_/_/
                                                                                  \_/_/_/
                                                                                                                                                                     https://aws.amazon.com/linux/amazon-linux-2023
```

```
[ec2-user@ip-172-31-93-189 ~]$
```


Step 16: Format and Mount EBS Volume

[illegible]

Step 17: Navigate to IAM Dashboard

The screenshot shows the AWS IAM Dashboard in a web browser. The browser's address bar displays the URL `us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/home`. The dashboard is titled "IAM Dashboard" and includes a left-hand navigation menu with sections for "Identity and Access Management (IAM)", "Access management", "Access reports", and "IAM Identity Center". The main content area features several widgets: a "New access analyzers available" notification, "Security recommendations" (listing MFA for root user and active access keys), "IAM resources" (a table showing 0 user groups, 1 user, 7 roles, 0 policies, and 0 identity providers), "What's new" (recent announcements), "AWS Account" (account ID and alias), "Quick Links" (security credentials), and "Tools" (policy simulator). The footer of the dashboard includes "CloudShell" and "Feedback" links, along with copyright information for Amazon Web Services, Inc.

Domain Portfolio: dpen.online | AWS Cloud Engineering - Module 1 | Dashboard | IAM | Global | Connect to instance | EC2 | us-east-1 | Route 53 Console hosted zones

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/home

Search IAM

Identity and Access Management (IAM)

Dashboard

▼ Access management

- User groups
- Users
- Roles
- Policies
- Identity providers
- Account settings
- Root access management **New**

▼ Access reports

- Access Analyzer
- Resource analysis **New**
- Unused access
- Analyzer settings
- Credential report
- Organization activity
- Service control policies
- Resource control policies **New**

IAM Identity Center

AWS Organizations

New access analyzers available

Access Analyzer now analyzes internal access patterns to your critical resources within a single account or across your entire organization.

Create new analyzer

IAM Dashboard

Security recommendations

- ✔ Root user has MFA
Having multi-factor authentication (MFA) for the root user improves security for this account.
- ✔ Root user has no active access keys
Using access keys attached to an IAM user instead of the root user improves security.

IAM resources

Resources in this AWS Account

User groups	Users	Roles	Policies	Identity providers
0	1	7	0	0

What's new

Updates for features in IAM

- AWS IAM announces support for encrypted SAML assertions, 5 months ago
- AWS CodeBuild announces support for project ARN and build ARN IAM condition keys, 5 months ago
- IAM Roles Anywhere credential helper now supports TPM 2.0, 7 months ago
- Announcing AWS STS support for ECDSA-based signatures of OIDC tokens, 8 months ago

[View all](#)

AWS Account

Account ID
167611893883

Account Alias
[Create](#)

Sign-in URL for IAM users in this account
<https://167611893883.signin.aws.amazon.com/console>

Quick Links

[My security credentials](#)

Manage your access keys, multi-factor authentication (MFA) and other credentials.

Tools

[Policy simulator](#)

The simulator evaluates the policies that you choose and determines the effective permissions for each of the actions that you specify.

CloudShell Feedback

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Step 18: Create IAM User - Project1A

Domain Portfolio: dpen.online AWS Cloud Engineering - Module 1 Create user | IAM | Global Connect to instance | EC2 | us-east-1 Route 53 Console hosted zones

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/Users/create

laptops and netboo... Ontario Immigrant... IELTS Immigration NCPL C-16 NCPL 830-930 Scribe | Workspace Buddy Messenger | Loblaw...

McAfee True Key™ The True Key app is automatically logging you in.

Step 2: Set permissions
Step 3: Review and create
Step 4: Retrieve password

User details

User name

Project1A

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and +, =, @, _ - (hyphen)

☒ **Provide user access to the AWS Management Console - optional**
If you're providing console access to a person, it's a [best practice](#) to manage their access in IAM Identity Center.

Are you providing console access to a person?

User type

☐ Specify a user in Identity Center - Recommended
We recommend that you use Identity Center to provide console access to a person. With Identity Center, you can centrally manage user access to their AWS accounts and cloud applications.

☒ I want to create an IAM user
We recommend that you create IAM users only if you need to enable programmatic access through access keys, service-specific credentials for AWS CodeCommit or Amazon Keyspaces, or a backup credential for emergency account access.

Console password

☐ Autogenerated password
You can view the password after you create the user.

☒ Custom password
Enter a custom password for the user:

- Must be at least 8 characters long
- Must include at least three of the following mix of character types: uppercase letters (A-Z), lowercase letters (a-z), numbers (0-9), and symbols ! @ # \$ % ^ & * () _ + - (hyphen) = { } [] ' "

☐ Show password

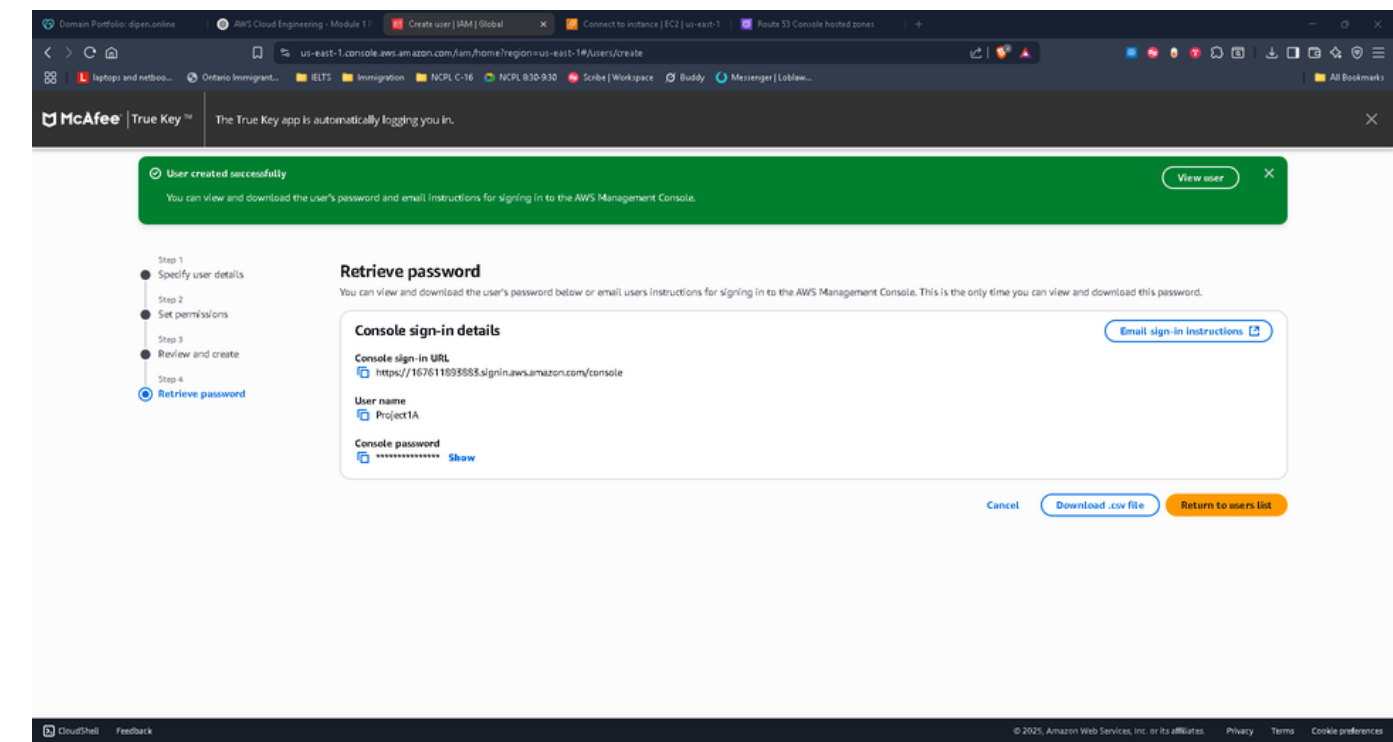
☐ Users must create a new password at next sign-in - Recommended
Users automatically get the [IAMUser:ChangePassword](#) policy to allow them to change their own password.

☒ If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. [Learn more](#)

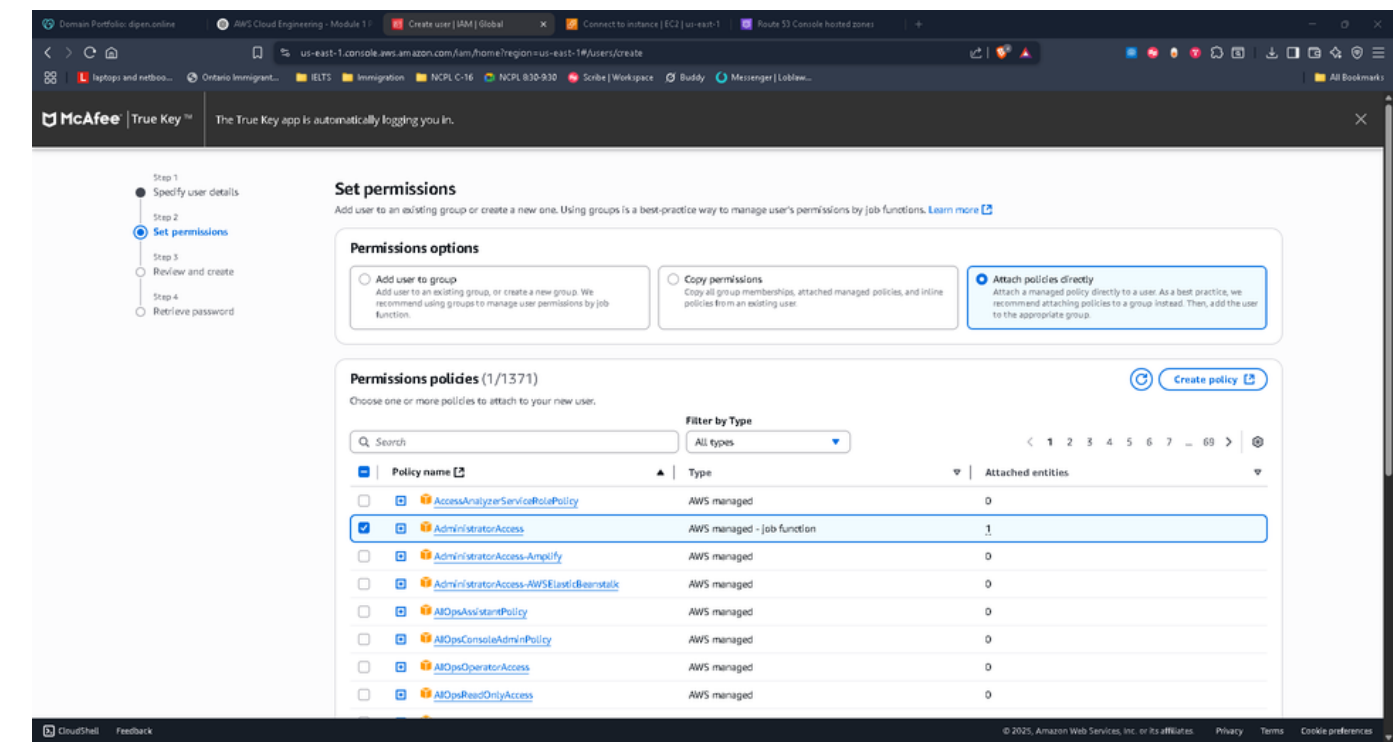
CloudShell Feedback

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

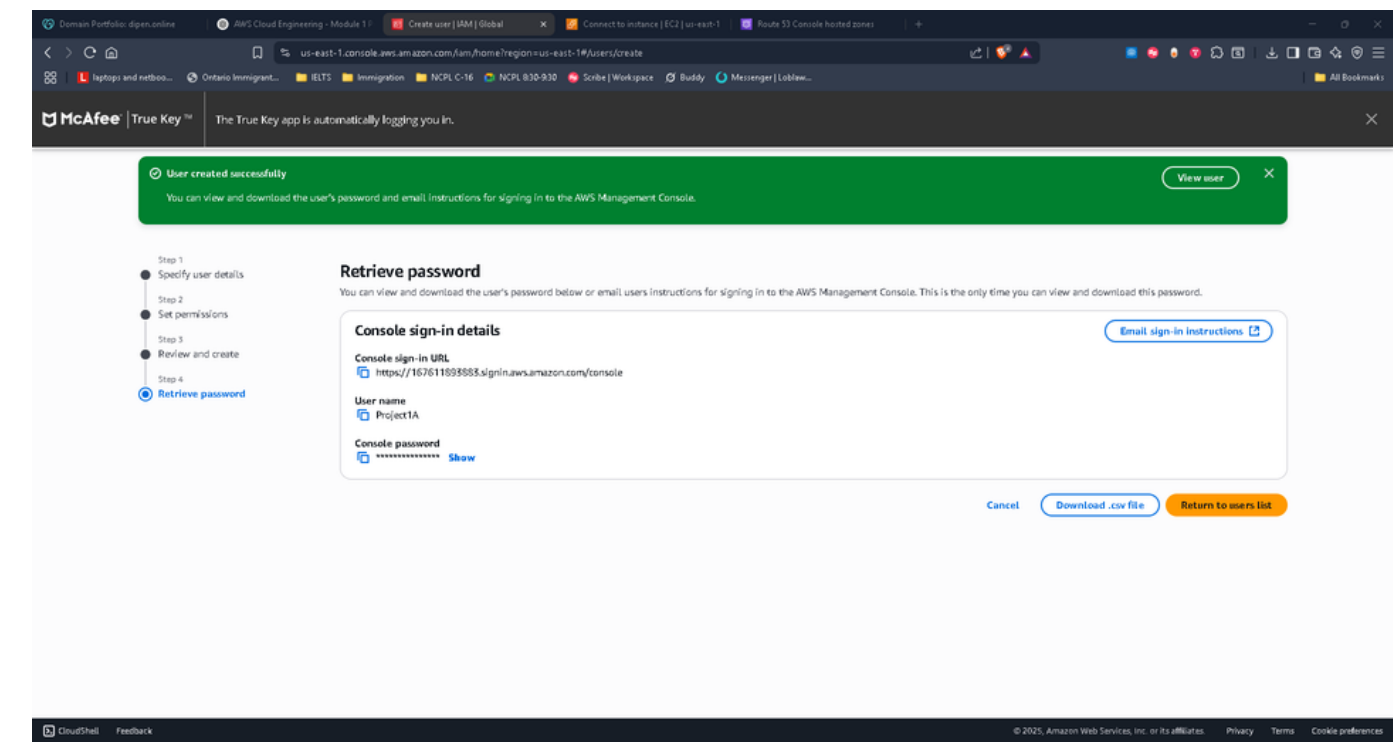
Step 19: IAM User Created Successfully



Step 20: Attach Role-Based Permissions



Step 21: Retrieve IAM User Sign-In Info



Step 22: IAM User Login Page

Domain Portfolio: dgen.online

AWS Cloud Engineering - Module 1

Create user | IAM | Global

Connect to instance | EC2 | us-east-1

Route 53 Console hosted zones

Amazon Web Services Sign-In

Console

us-east-2.signin.aws.amazon.com/auth?client_id=am%3Aaws%3Asignin%3A%3A%3Aconsole%2Fcanvas&code_challenge=ofduXVQzmPowTN3HzAg...

laptops and netboo... Ontario Immigrant... IELTS Immigration NCPL C-16 NCPL 830-930 Scribe Workspace Buddy Messenger | Loblaw...

All Bookmarks

You are currently using the improved sign in UI experience.
The improved sign in experience will launch soon. During this time, you can still change back to legacy sign in using the dropdown in the upper right corner.

IAM user sign in

Account ID or alias (Don't have?)

162611893583

☐ Remember this account

IAM username

Project1A

Password

☐ Show Password

Having trouble?

Sign in

Sign in using root user email

Create a new AWS account

AWS

Agentic AI announcements

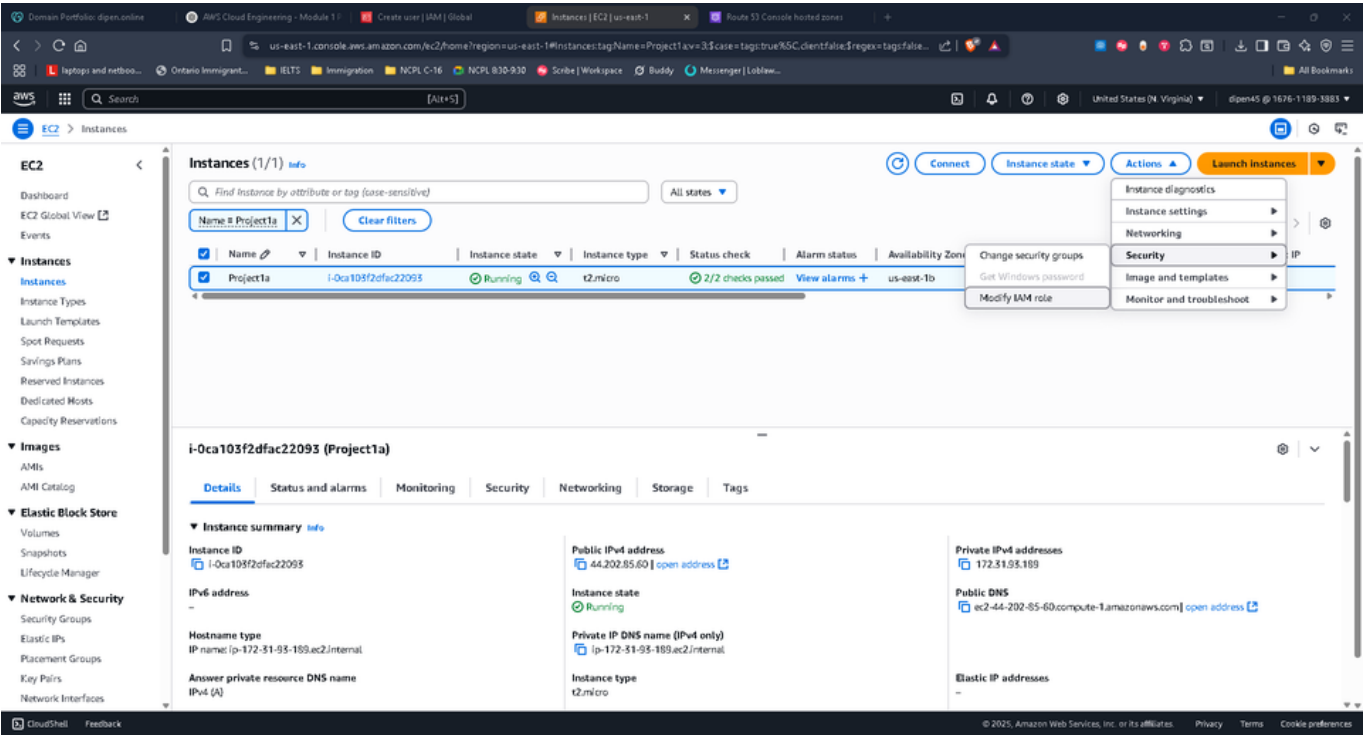
Watch the AWS Summit New York City keynote streamed live on July 16

Register now >

By continuing, you agree to [AWS Customer Agreement](#) or other agreement for AWS services, and the [Privacy Notice](#). This site uses essential cookies. See our [Cookie Notice](#) for more information.

© 2025 Amazon Web Services, Inc. or its affiliates. All rights reserved.

Step 23: Logged in as IAM User



Step 24: Modify IAM Role for EC2 to use IAM Role Project1A

