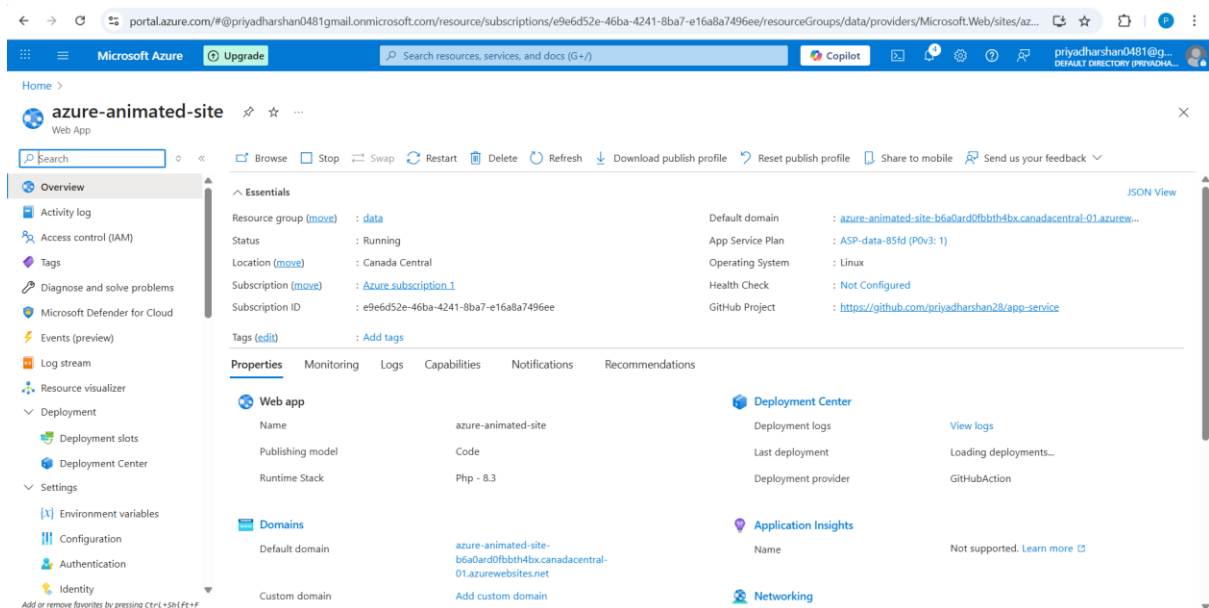


DEPLOYING A WEB APPLICATION TO AZURE APP SERVICE USING GITHUB REPOSITORY INTEGRATION

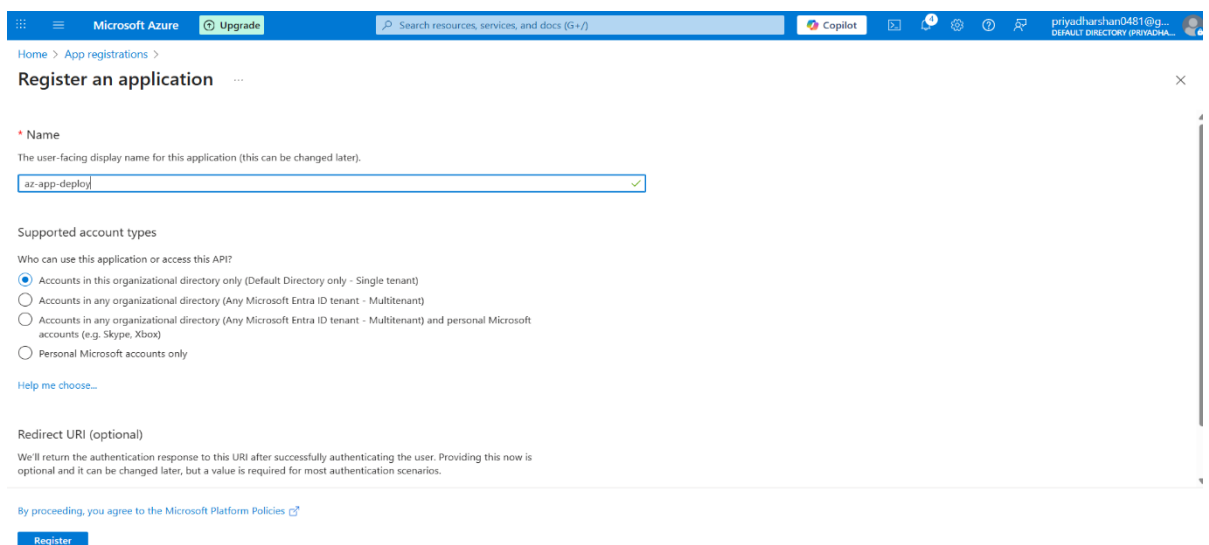
OBJECTIVE:

The objective is to deploy a web application to Azure App Service using GitHub repository integration, with functionality to access and display my LinkedIn and Naukri profiles within the application URL.

STEP 1: Deploy a azure web app in app service (azure-animated-site):



STEP 2: Register a App Registration to redirect a URL



STEP 3: After this, add a **Federated Credential** to allow my GitHub repository to access the code (app-service)

Home > App registrations > az-app-deploy | Certificates & secrets >

Add a credential

Allow other identities to impersonate this application by establishing a trust with an external OpenID Connect (OIDC) identity provider. This federation allows you to get tokens to access Microsoft Entra ID protected resources that this application has access to like Azure and Microsoft Graph. [Learn more](#)

Federated credential scenario * GitHub Actions deploying Azure resources

Connect your GitHub account

Please enter the details of your GitHub Actions workflow that you want to connect with Microsoft Entra ID. These values will be used by Microsoft Entra ID to validate the connection and should match your GitHub OIDC configuration. Issuer has a limit of 600 characters. Subject identifier is a calculated field with a 600 character limit.

Issuer * https://token.actions.githubusercontent.com [Edit \(optional\)](#)

Organization * priyadharshan28

Repository * app-service

Entity type * Branch

GitHub branch name * value

Subject identifier repo:priyadharshan28/app-service:refs/heads/value

[Add](#) [Cancel](#)

STEP 4: az-app-deploy is automatically created a **Enterprise Application** and I copied a object id to add a role to this assignment in IAM

Home > Enterprise applications | All applications >

az-app-deploy | Overview

Enterprise Application

Overview

- Deployment Plan
- Diagnose and solve problems
- Manage
 - Properties
 - Owners
 - Roles and administrators
 - Users and groups
 - Single sign-on
 - Provisioning
 - Application proxy
 - Self-service
 - Custom security attributes
- Security
 - Conditional Access
 - Permissions

Properties

Name az-app-deploy

Application ID 808d801-0309-4212-88a8-...

Object ID 9cca84c3-8da1-45a6-8775-...

Getting Started

- 1. Assign users and groups**
Provide specific users and groups access to the applications
[Assign users and groups](#)
- 2. Provision User Accounts**
You'll need to create user accounts in the application
[Learn more](#)
- 3. Conditional Access**
Secure access to this application with a customizable access policy.
[Create a policy](#)
- 4. Self service**
Enable users to request access to the application using their Microsoft Entra credentials

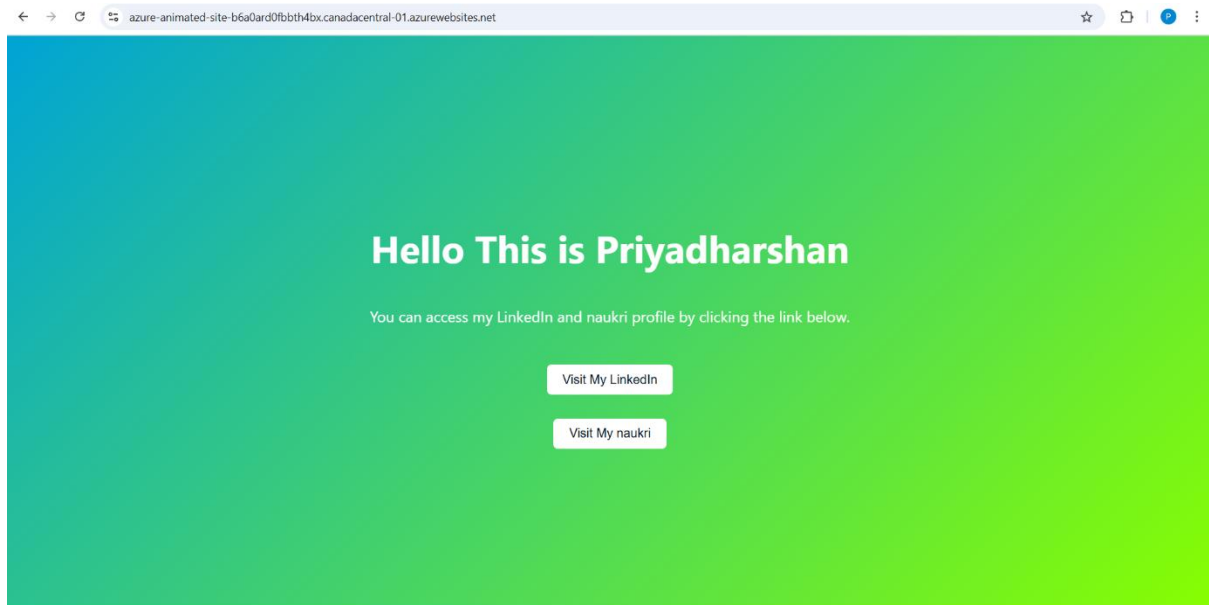
STEP 5: furthermore, add a role assignment in a **Entra ID** to the role is **“WEB APP CONTRIBUTOR”** after this add a select member in a given object id

The screenshot shows the Microsoft Azure portal interface for adding a role assignment. The main page is titled 'Add role assignment' and has tabs for 'Role', 'Members', 'Conditions', and 'Review + assign'. The 'Members' tab is active. On the left, there are sections for 'Selected role' (App Service Environment Contributor), 'Assign access to' (User, group, or service principal), 'Members' (with a '+ Select members' link), and 'Description' (Optional). A table with columns 'Name', 'Object ID', and 'Type' is shown, but it is empty. A 'Select members' dialog is open on the right. It has a search bar with the object ID '9cca84c3-8da1-45a6-8775-702837e9c37d'. Below the search bar, there is a list of members, including 'az-app-deploy Application'. The 'Selected members' section shows the same application. At the bottom of the dialog are 'Select' and 'Close' buttons. At the bottom of the main page are 'Review + assign', 'Previous', and 'Next' buttons.

STEP 6: The workflow action of my GitHub repo is successfully completed a build and deploy a code in this action

The screenshot shows the GitHub Actions workflow page for the repository 'priyadharshan28 / app-service'. The workflow is titled 'Add or update the Azure App Service build and deployment workflow config #1'. The status is 'Success' with a total duration of 38s and 1 artifact. The workflow steps are 'build' (8s) and 'deploy' (31s). The 'Summary' section shows the workflow file 'main_azure-animated-site.yml' and the steps 'build' and 'deploy'. The 'Jobs' section shows the jobs 'build' and 'deploy'. The 'Run details' section shows the usage and workflow file. The 'Workflow file' section shows the workflow configuration.

STEP 7: This is my deployed web app in a azure website host service. The URL is **azure-animated-site-b6a0fardfbhtx4cvbx.canadacentral.azurewebsite.net.it** is a deployed web page



STEP 8: click the **LinkedIn** button to redirect my LinkedIn profile to access by profile in web service

