Azure Fundamentals – AZ-900 – Project 1 Report

Title : - Cloud-Based Static Website Hosting Using Azure Blob Storage

🎯 Objective

To deploy a static website using Azure Blob Storage, demonstrating core Azure Fundamentals (AZ-900) skills including resource creation, navigation, and basic HTML integration.

🛠 Skills Utilized

- HTML
- Azure Portal Resource Creation
- Azure Blob Storage Configuration
- Static Website Hosting

📋 Project Steps

1. **Login to Azure Portal**
   Accessed portal.azure.com using a Microsoft account with an active Azure subscription.

2. **Create Storage Account**
   - Navigated to Create a Resource → Storage Account.
   - Configured basic settings:
   - Subscription: Selected active subscription
   - Resource Group: Created First-project
   - Storage Account Name: Chosen name
   - Region: Central Asia(India)
   - Performance: Standard
   - Redundancy: LRS (Locally Redundant Storage)
   - Storage Type: Azure Blob Storage

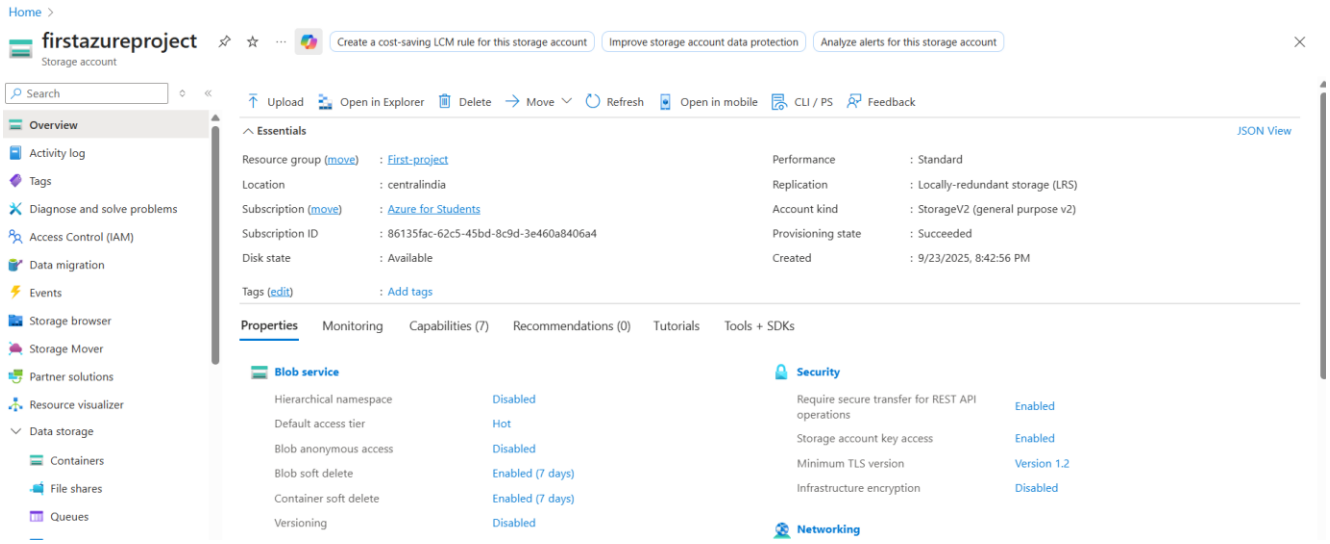

Fig 1 :- Storage Account Configuration – Basics Tab

3. Enable Static Website Hosting

- Opened the created storage account
- Navigated to *Data Management* → *Static Website*
- Enabled hosting and saved settings

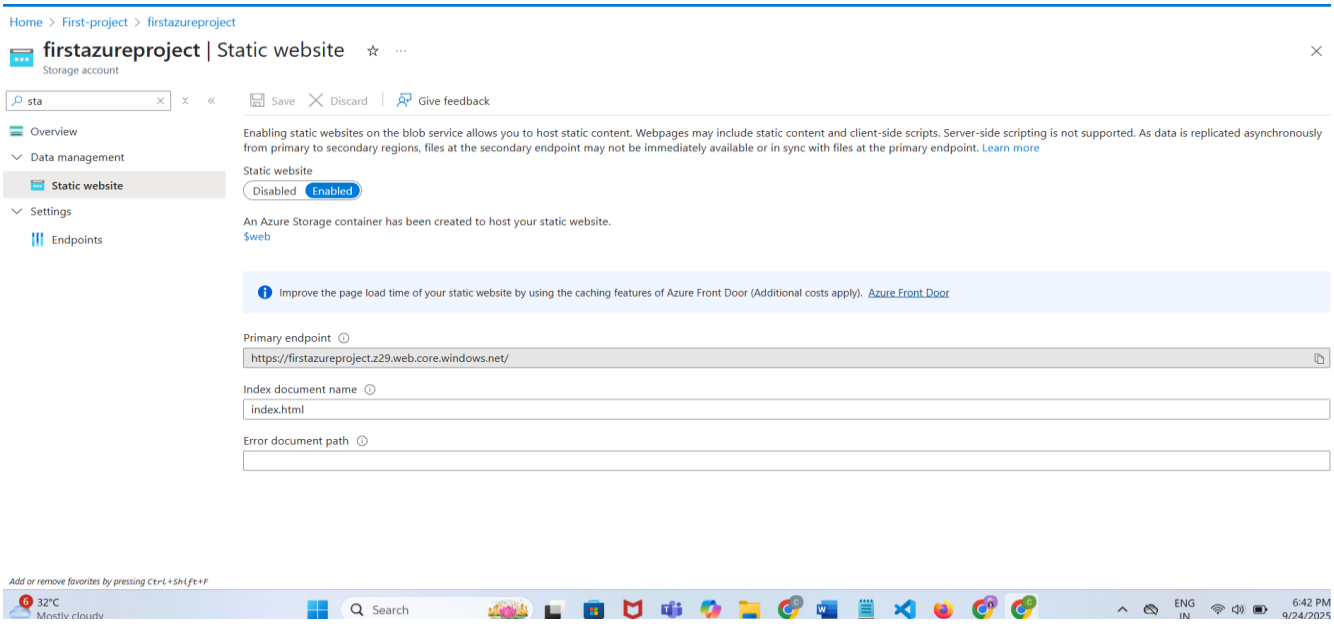

Fig 2 :- Enabling Static Website in Azure Blob Storage

4. Upload HTML File

- Created a simple index.html file locally
- Used Upload in the Overview section
- Selected container: web (auto-generated or manually created)
- Uploaded the file successfully

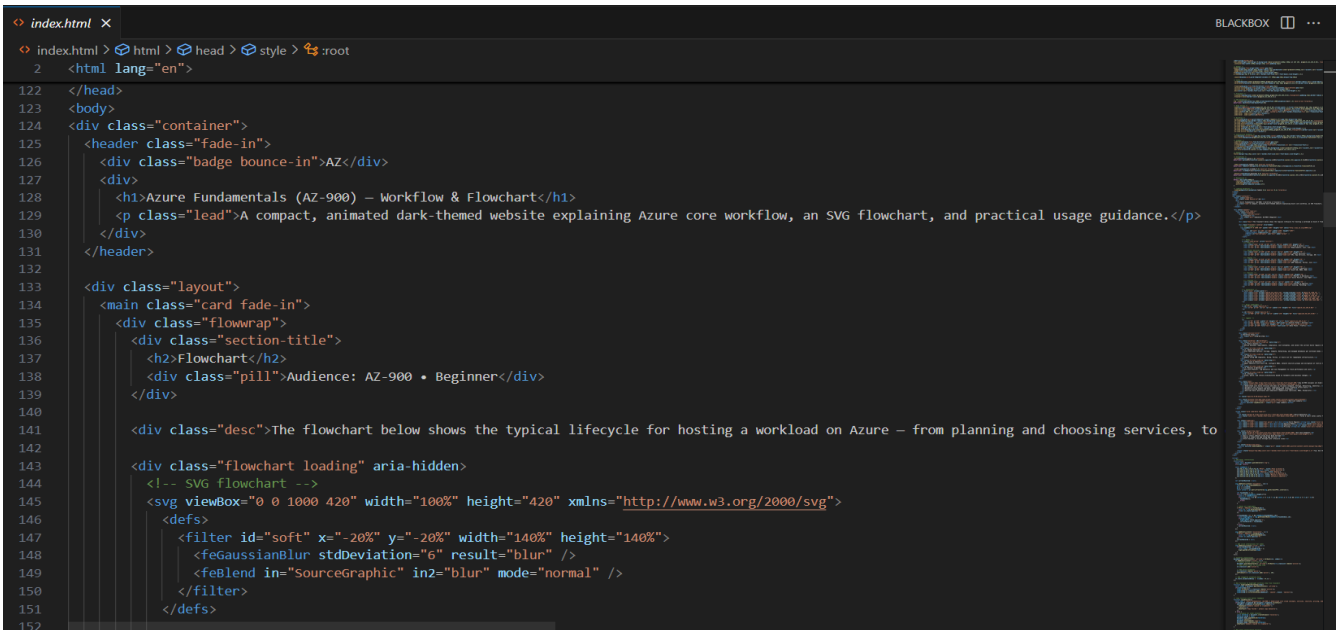

Fig 3:- index.html code

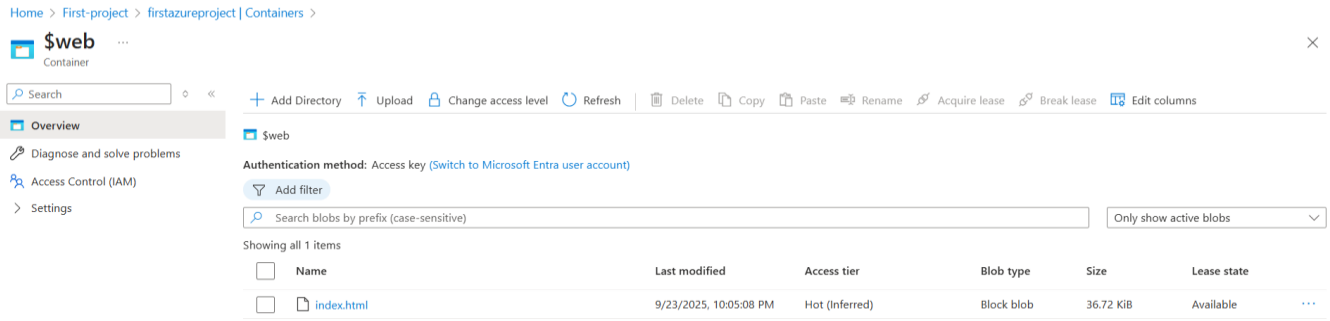

Fig 4:- Uploading index.html to Blob Container

5. Access Static Website

- Retrieved the primary endpoint URL from the *Static Website* section
- Opened the URL in a browser (https://firstazureproject.z29.web.core.windows.net/)
- Verified that the HTML content was rendered correctly

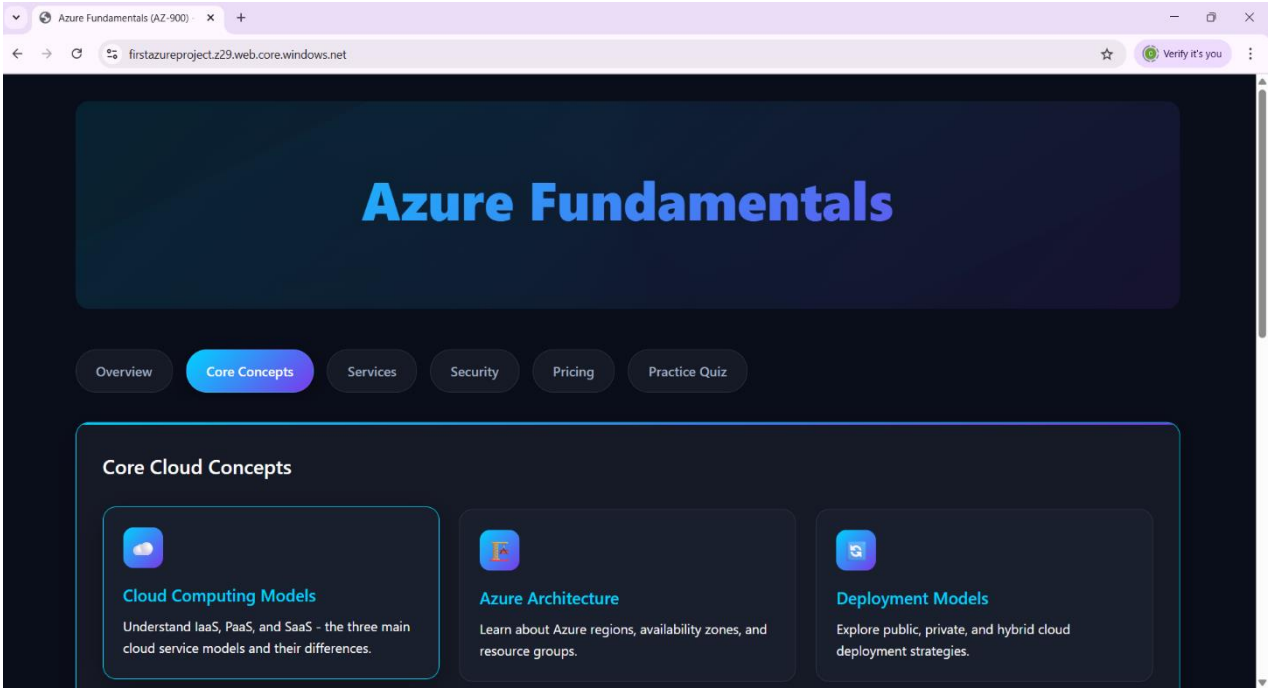

Fig 5:- Static Website Rendered in Browser via Azure Endpoint

✅ Outcome

Successfully hosted a static website using Azure Blob Storage. This project demonstrated the ability to navigate Azure Portal, configure storage resources, and deploy web content without needing a web server or virtual machine.