

# **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

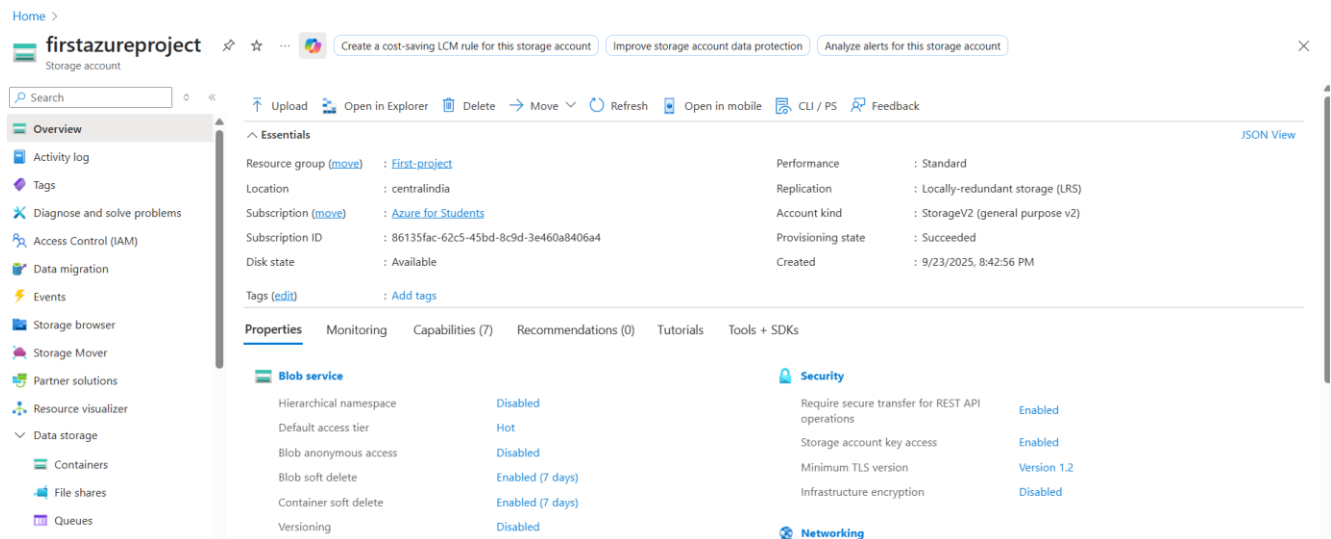
#### **Project Steps**

##### **1. Login to Azure Portal**

Accessed [portal.azure.com](https://portal.azure.com) using a Microsoft account with an active Azure subscription.

##### **2. Create Storage Account**

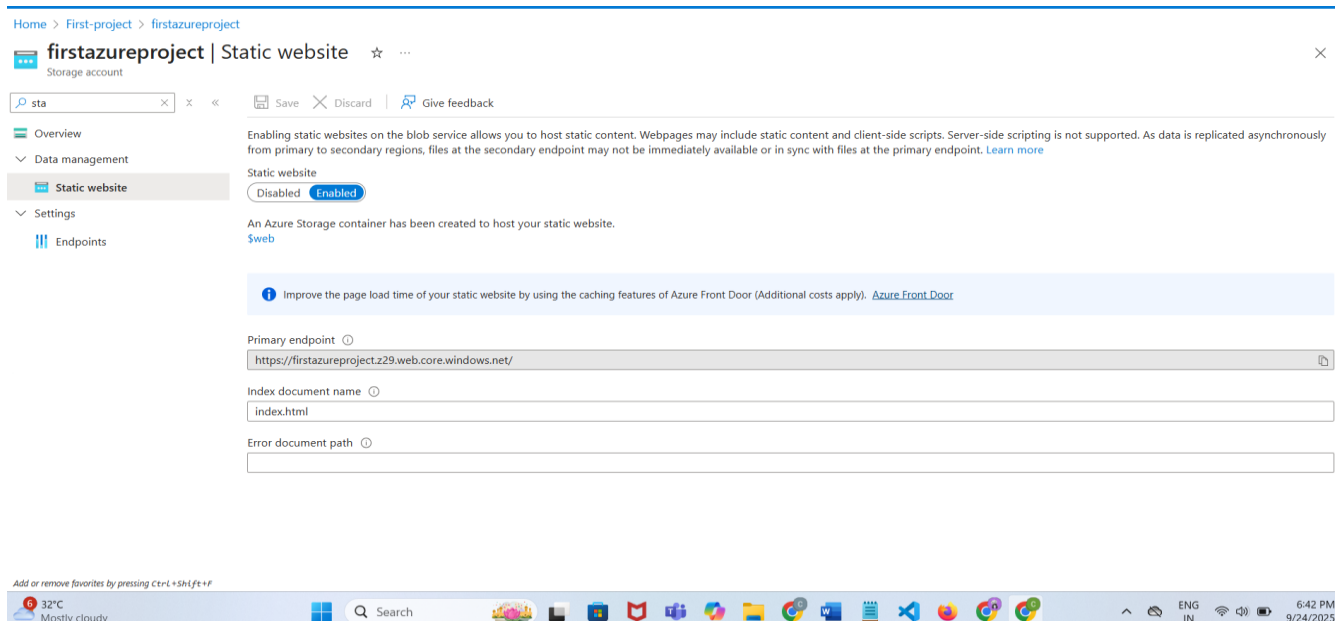
- Navigated to Create a Resource → Storage Account.
- Configured basic settings:
- Subscription: Selected active subscription
- Resource Group: Created First-project
- Storage Account Name: Chosen name
- Region: Central Asia(India)
- Performance: Standard
- Redundancy: LRS (Locally Redundant Storage)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



**Fig 1 :- Storage Account Configuration – Basics Tab**

### 3. Enable Static Website Hosting

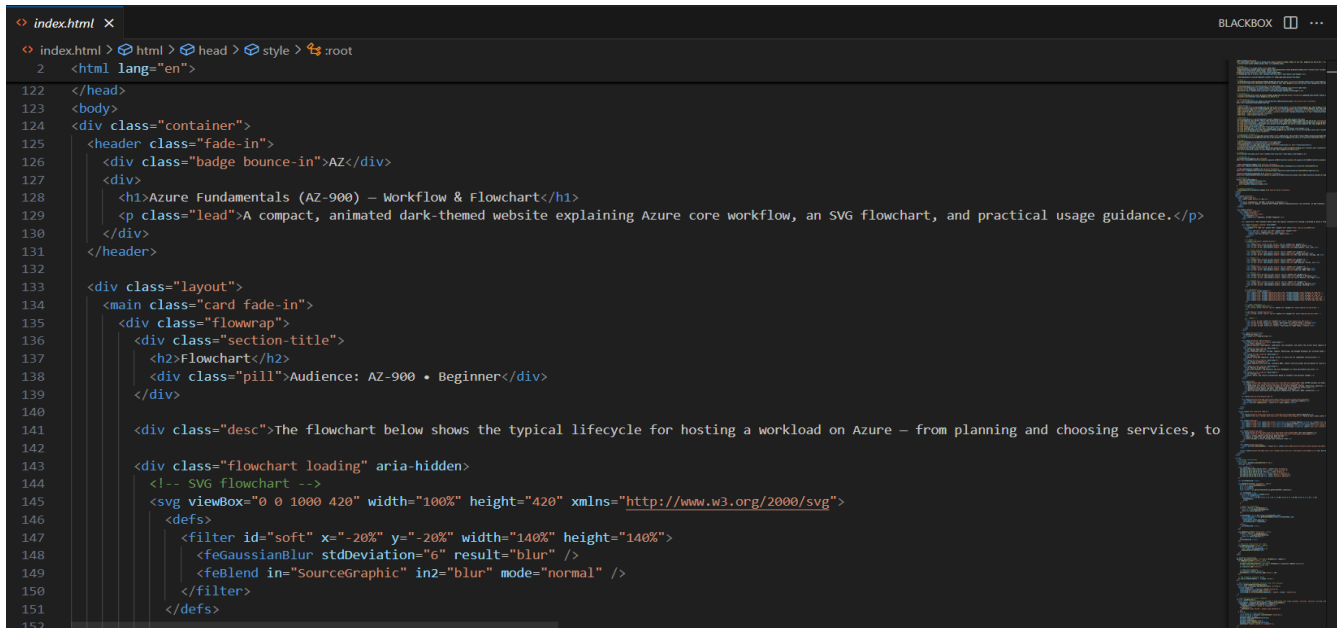
- Opened the created storage account
- Navigated to *Data Management* → *Static Website*
- Enabled hosting and saved settings



**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



```
index.html X
index.html > html > head > style > root
2 <html lang="en">
122 </head>
123 <body>
124 <div class="container">
125 <header class="fade-in">
126 <div class="badge bounce-in">AZ</div>
127 <div>
128 <h1>Azure Fundamentals (AZ-900) – Workflow & Flowchart</h1>
129 <p class="lead">A compact, animated dark-themed website explaining Azure core workflow, an SVG flowchart, and practical usage guidance.</p>
130 </div>
131 </header>
132
133 <div class="layout">
134 <main class="card fade-in">
135 <div class="flowwrap">
136 <div class="section-title">
137 <h2>Flowchart</h2>
138 <div class="pill">Audience: AZ-900 • Beginner</div>
139 </div>
140
141 <div class="desc">The flowchart below shows the typical lifecycle for hosting a workload on Azure – from planning and choosing services, to
142
143 <div class="flowchart loading" aria-hidden>
144 <!-- SVG flowchart -->
145 <svg viewBox="0 0 1000 420" width="100%" height="420" xmlns="http://www.w3.org/2000/svg">
146 <defs>
147 <filter id="soft" x="-20%" y="-20%" width="140%" height="140%">
148 <feGaussianBlur stdDeviation="6" result="blur" />
149 <feBlend in="SourceGraphic" in2="blur" mode="normal" />
150 </filter>
151 </defs>
152
```

Fig 3:- index.html code

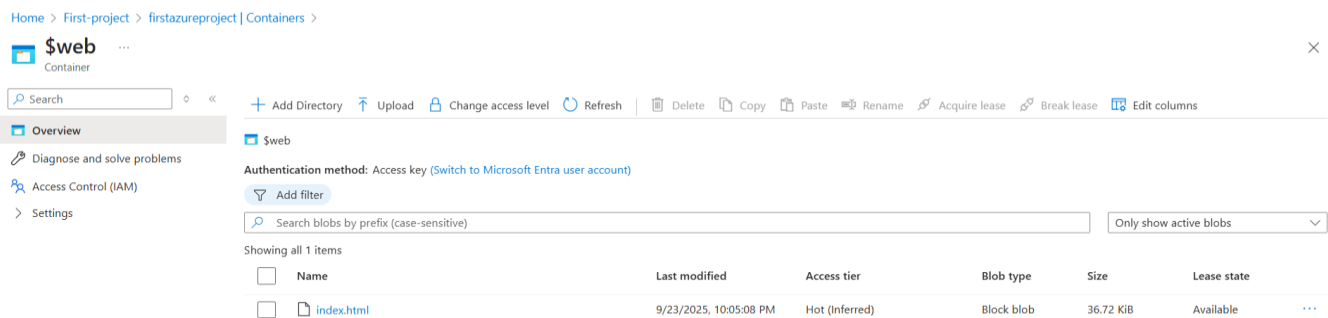
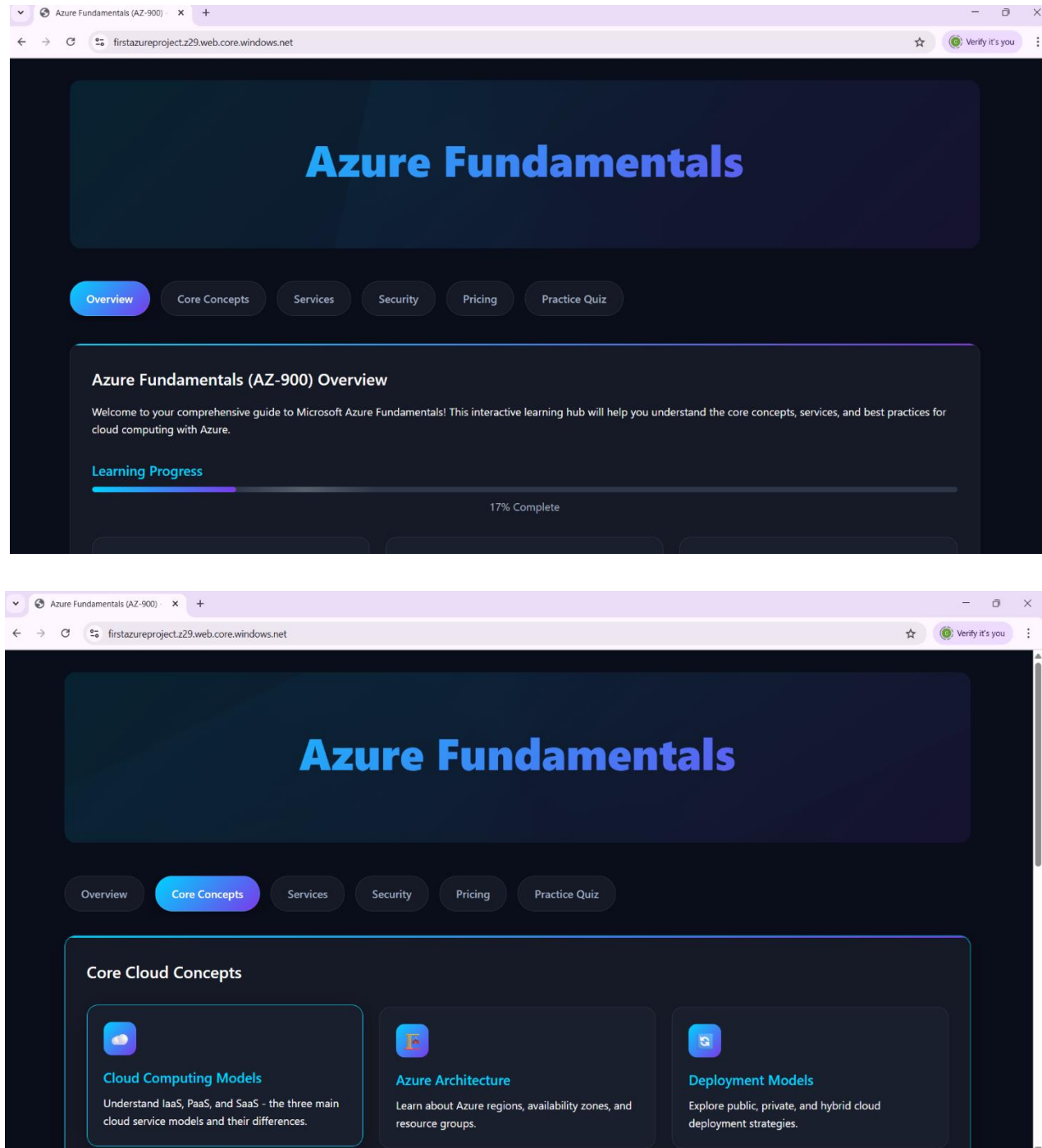


Fig 4:- Uploading index.html to Blob Container

## 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.