

# Create project wiki or library documentation or test coverage report static HTML website using Azure

**Step 1:** Create a storage account with follow settings and keep rest to default.

Home > Storage accounts > Create a storage account

Basics Advanced Networking Data protection Tags Review + create

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blob storage, Azure Data Lake Storage (Gen2), Azure Files, Azure Queue, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. [Learn more about Azure storage accounts](#)

**Project details**  
Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.

Subscription \* [dropdown]  
Resource group \* [dropdown]  
[Create new](#)

**Instance details**  
If you need to create a legacy storage account type, please click [here](#).

Storage account name [libtemplatewiki]  
Region [US East US]  
Performance [Standard: Recommended for most scenarios (general-purpose v2 accounts)]  
Redundancy [Locally-redundant storage (LRS)]

[Review + create](#) < Previous Next: Advanced >

**Step 2:** Go to create storage account → Blob storage → Static website from left menu → enable → set landing page name → set error page name → save settings of the static web app.

Home > libtemplatewiki\_163500957632 > libtemplatewiki

libtemplatewiki | Static website

Static website

1. Go to static website

2. Enable static website

3. Enter landing page name

4. Enter error page name

5. Save settings for static app

Save Discard

Enabling static websites on the blob service allows you to host static content. Webpages may include static content and client-side scripts. Server-side scripting is not supported. As data is replicated asynchronously from primary to secondary regions, files at the secondary endpoint may not be immediately available or in sync with files at the primary endpoint. [Learn more](#)

Static website

Disabled [Enable](#)

Index document name [index.html] ✓  
Error document path [error.html] ✓

Go to static website

**Step 3:** After saving this will generate the static web app URL in the same page.

**URL:** <https://libtemplatewiki.z13.web.core.windows.net/>

Home > libtemplatewiki\_163500957632 > libtemplatewiki

libtemplatewiki | Static website

Static website

1. Go to static website

2. Enable static website

3. Enter landing page name

4. Enter error page name

5. Save settings for static app

Save Discard

Enabling static websites on the blob service allows you to host static content. Webpages may include static content and client-side scripts. Server-side scripting is not supported. As data is replicated asynchronously from primary to secondary regions, files at the secondary endpoint may not be immediately available or in sync with files at the primary endpoint. [Learn more](#)

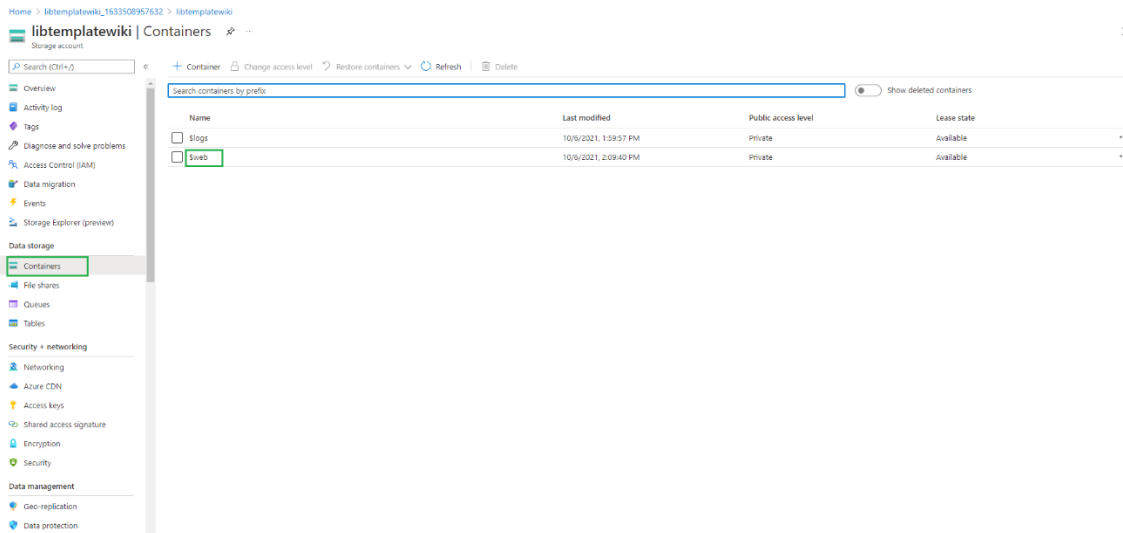
Static website

Disabled [Enable](#)

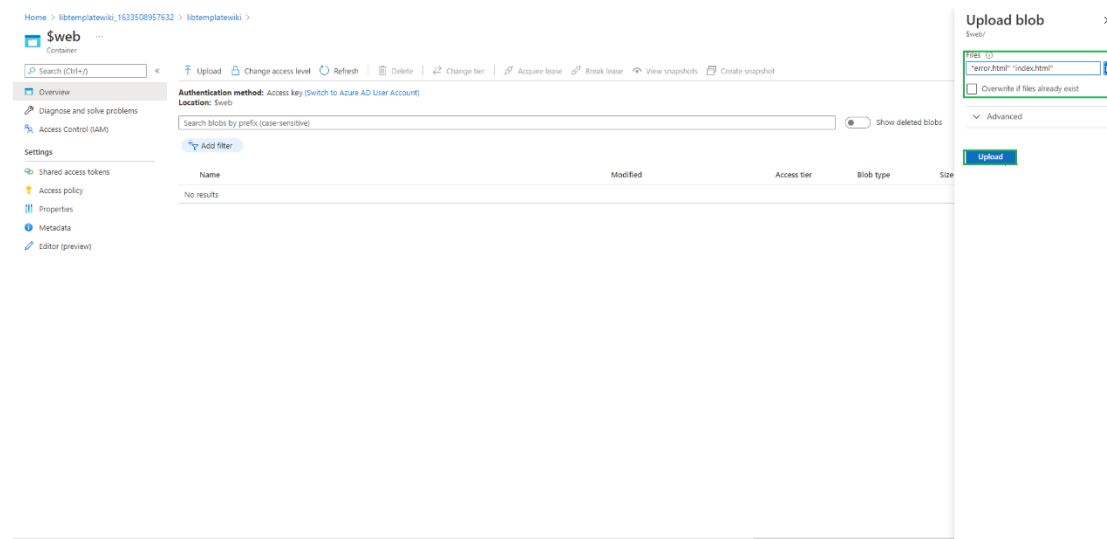
Index document name [index.html] ✓  
Error document path [error.html] ✓

Primary endpoint [https://libtemplatewiki.z13.web.core.windows.net/] ✓

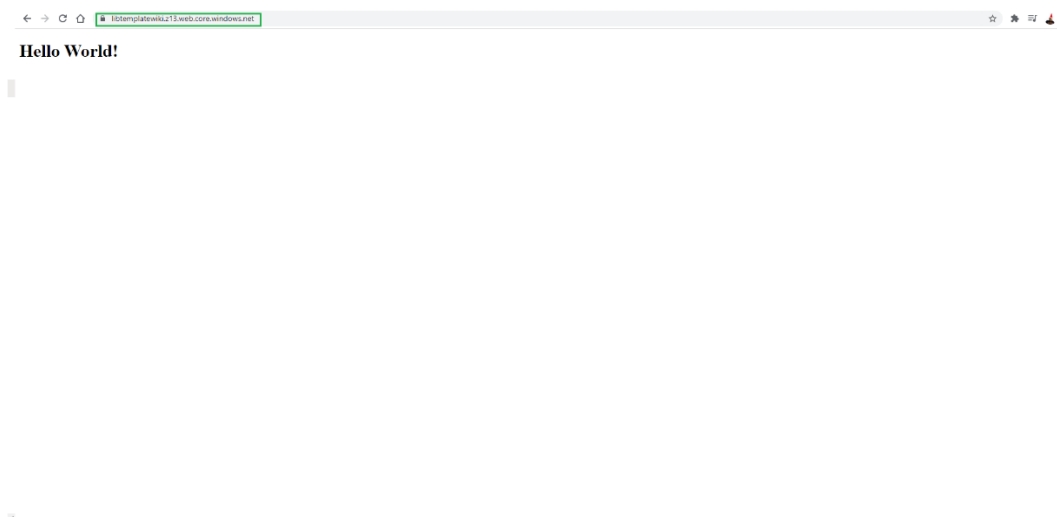
**Step 4:** Go to container → New \$log and \$web folder will be created in the container.



**Step 5:** Select and upload index.html and error.html in the \$web folder in the container.



**Step 6:** Validate the website is reflecting the right content



## Step 7: Publish static HTML site from GitHub action to azure static web site

### Workflow:

pull latest code → login to azure using azure cli → setup python version 3.8 → install documentation related dependencies → generate wiki, library documentation and other HTML sites → publish project wiki to GitHub pages → publish docs, wiki and others to azure static web site → Purge CDN endpoint → Logout using Azure CLI.

### Notes:

#### Some of the required environment variables.

- `PERSONAL_ACCESS_TOKEN` → generate and save in repository secret.
- `AZURE_CREDENTIALS` → Generate SP and store in repository secret.
- `STORAGE_ACCOUNT_NAME_WIKI`, `STORAGE_ACCOUNT_NAME_DOCS`, `STORAGE_ACCOUNT_NAME_OTHERS` → generate and store in repository secret.s

### Reference:

1. <https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-static-website-host>
2. <https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blobs-static-site-github-actions>
3. <https://www.youtube.com/watch?v=ttmEOLKk3Cw>
4. <https://github.com/pandalearnstocode/python-library-template/blob/develop/.github/workflows/documentation-builder.yaml>