

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 [text: libtemplatewiki]
Region [dropdown: US East US]
Performance [radio: Standard (Recommended for most scenarios (general-purpose v2 account))]
Redundancy [dropdown: 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

5. Save settings for static app

Static website [Disabled] [Enable](#)

2. Enable static website

index document name [text: index.html] ✓
3. Enter landing page name

error document path [text: error.html] ✓
4. Enter error page name

1. 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

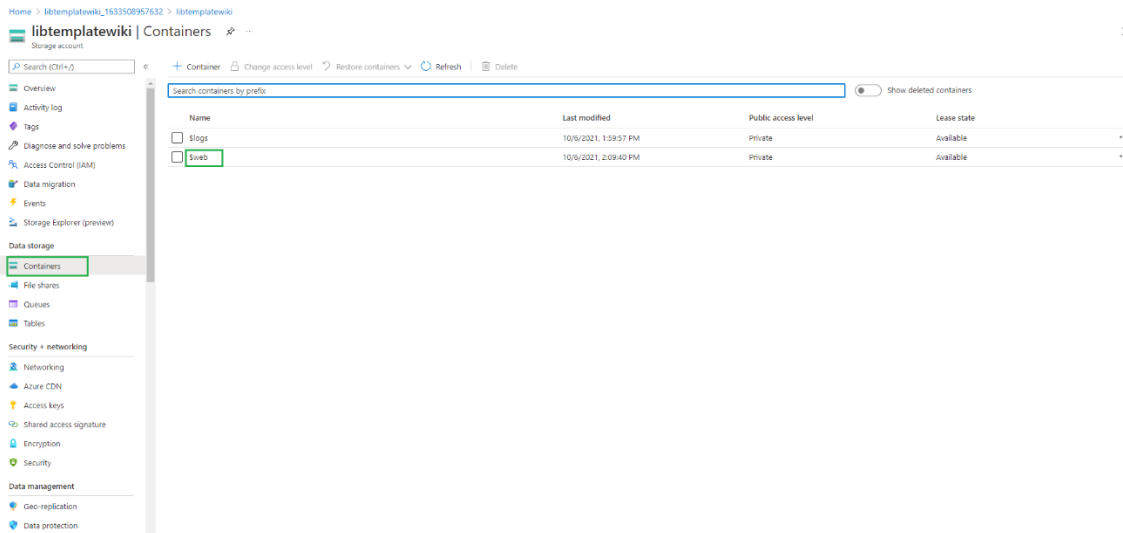
libtemplatewiki | Static website

Static website

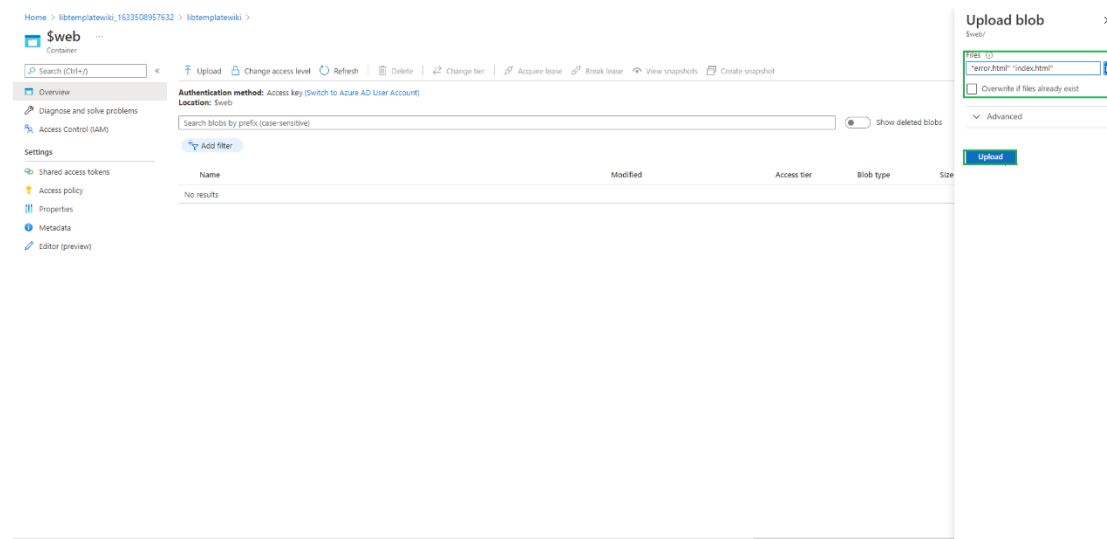
Primary endpoint [text: https://libtemplatewiki.z13.web.core.windows.net/] [copy icon]

index document name [text: index.html] ✓
error document path [text: error.html] ✓

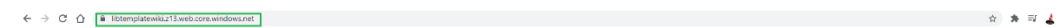
Step 4: Go to container → New \$log and \$web folder will be created in the container.



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.

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>