

## **How to host a Static Website in Azure Storage**

In this tutorial I'm going to show how to:

- Create a Storage Account
- Configure Storage Account
- Upload files to the Container

## Step 01: Create a Storage Account

Create a Storage Account with account type been set to StorageV2 as this feature of hosting static sites is only available on V2 of the storage kind.

- Resource group: patsam-rg (already existing)
- Storage account name: patsamstg
- Account type: StorageV2

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### Create storage account

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Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, 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 to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \*

Visual Studio Enterprise – MPN

Resource group \*

patsam-rg

[Create new](#)

#### Instance details

The default deployment model is Resource Manager, which supports the latest Azure features. You may choose to deploy using the classic deployment model instead. [Choose classic deployment model](#)

Storage account name \* ⓘ

patsamstg

Location \*

(US) Central US

Performance ⓘ

☒ Standard ☐ Premium

Account kind ⓘ

StorageV2 (general purpose v2)

Replication ⓘ

Read-access geo-redundant storage (RA-GRS)

Access tier (default) ⓘ

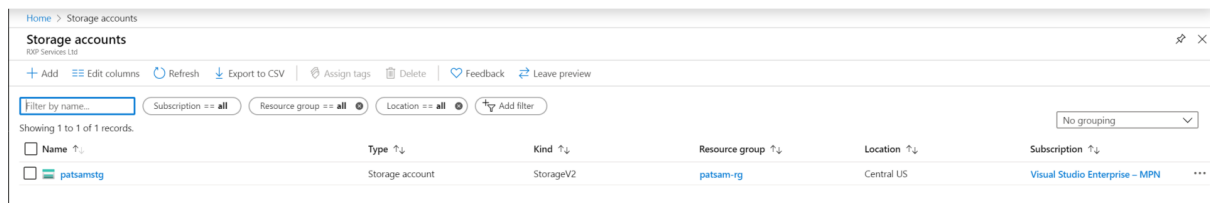
☐ Cool ☒ Hot

Review + create

< Previous

Next : Networking >

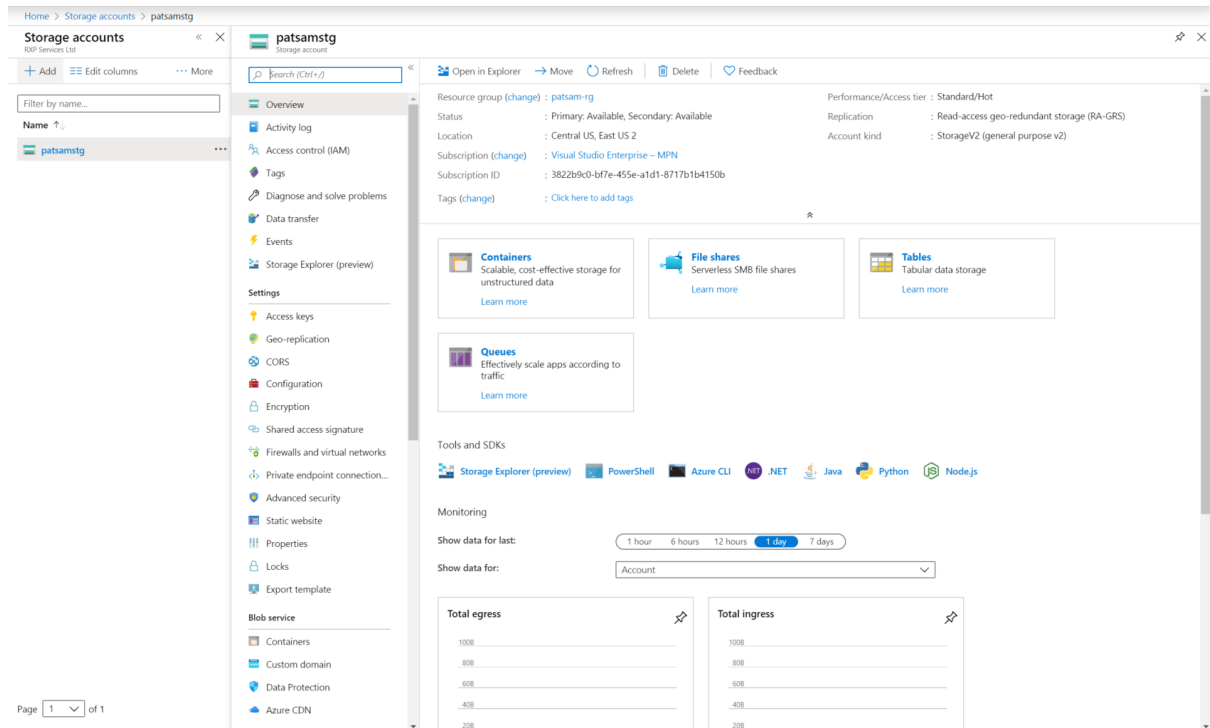
Click Review and Create.



The screenshot shows the 'Storage accounts' page in the Azure portal. At the top, there's a breadcrumb 'Home > Storage accounts'. Below it, the page title is 'Storage accounts' with a sub-header 'RDP Services Ltd'. A toolbar contains buttons for '+ Add', 'Edit columns', 'Refresh', 'Export to CSV', 'Assign tags', 'Delete', 'Feedback', and 'Leave preview'. A filter bar shows 'Filter by name...' and several filter buttons: 'Subscription == all', 'Resource group == all', 'Location == all', and 'Add filter'. A dropdown menu shows 'No grouping'. Below the filter bar, it says 'Showing 1 to 1 of 1 records.' A table lists the storage accounts with columns: Name, Type, Kind, Resource group, Location, and Subscription. One account is listed: 'patsamstg' (Storage account, StorageV2, patsam-rg, Central US, Visual Studio Enterprise - MPN).

Name	Type	Kind	Resource group	Location	Subscription
patsamstg	Storage account	StorageV2	patsam-rg	Central US	Visual Studio Enterprise - MPN

Go inside newly created Storage Account.



The screenshot shows the 'Storage account' details page for 'patsamstg'. The left sidebar contains a navigation menu with sections: Overview, Settings, and Blob service. The main content area displays the account's properties: Resource group (patsam-rg), Status (Primary: Available, Secondary: Available), Location (Central US, East US 2), Subscription (Visual Studio Enterprise - MPN), and Subscription ID (3822b9c0-b7e-455e-a1d1-8717b1b4150b). Below the properties, there are three cards for 'Containers', 'File shares', and 'Queues', each with a 'Learn more' link. The 'Tools and SDKs' section lists various tools like Storage Explorer, PowerShell, Azure CLI, .NET, Java, Python, and Node.js. The 'Monitoring' section shows 'Show data for last' (1 hour, 6 hours, 12 hours, 1 day, 7 days) and 'Show data for' (Account). Two charts are displayed: 'Total egress' and 'Total ingress', both showing a scale from 0 to 100B.

Resource group (change) : patsam-rg

Status : Primary: Available, Secondary: Available

Location : Central US, East US 2

Subscription (change) : Visual Studio Enterprise - MPN

Subscription ID : 3822b9c0-b7e-455e-a1d1-8717b1b4150b

Tags (change) : [Click here to add tags](#)

Performance/Access tier : Standard/Hot

Replication : Read-access geo-redundant storage (RA-GRS)

Account kind : StorageV2 (general purpose v2)

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**File shares**  
Serverless SMB file shares  
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**Tables**  
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**Queues**  
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Tools and SDKs

[Storage Explorer \(preview\)](#) [PowerShell](#) [Azure CLI](#) [.NET](#) [Java](#) [Python](#) [Node.js](#)

Monitoring

Show data for last: 1 hour 6 hours 12 hours 1 day 7 days

Show data for: Account

**Total egress**

100B  
80B  
60B  
40B  
20B

**Total ingress**

100B  
80B  
60B  
40B  
20B

## Step 02: Configure Storage Account

Go to Settings and select the Static Website option and click Enable and click Save.

- Index document name: index.html
- Error document path: 404.html

The screenshot shows the 'Static website' configuration page in the Azure portal. On the left, a sidebar lists 'Storage accounts' with 'patsamstg' selected. The main panel has a 'Settings' tab with 'Static website' selected. The 'Static website' toggle is set to 'Enabled'. Below it, the 'Index document name' is 'index.html' and the 'Error document path' is '404.html'. Both fields have green checkmarks indicating they are valid. At the top right, there are 'Save' and 'Discard' buttons.

It will generate 2 end points. (since we selected Geo Redundant)

This screenshot shows the same 'Static website' configuration page, but now it displays the generated endpoints. The 'Static website' toggle remains 'Enabled'. Below the toggle, a message states: 'An Azure Storage container has been created to host your static website.' Below this, the 'Primary endpoint' is 'https://patsamstg.z19.web.core.windows.net/' and the 'Secondary endpoint' is 'https://patsamstg-secondary.z19.web.core.windows.net/'. Both endpoints have copy icons. The 'Index document name' is 'index.html' and the 'Error document path' is '404.html', both with green checkmarks. The 'Save' and 'Discard' buttons are still at the top right.

### Step 03: Upload files to the Container

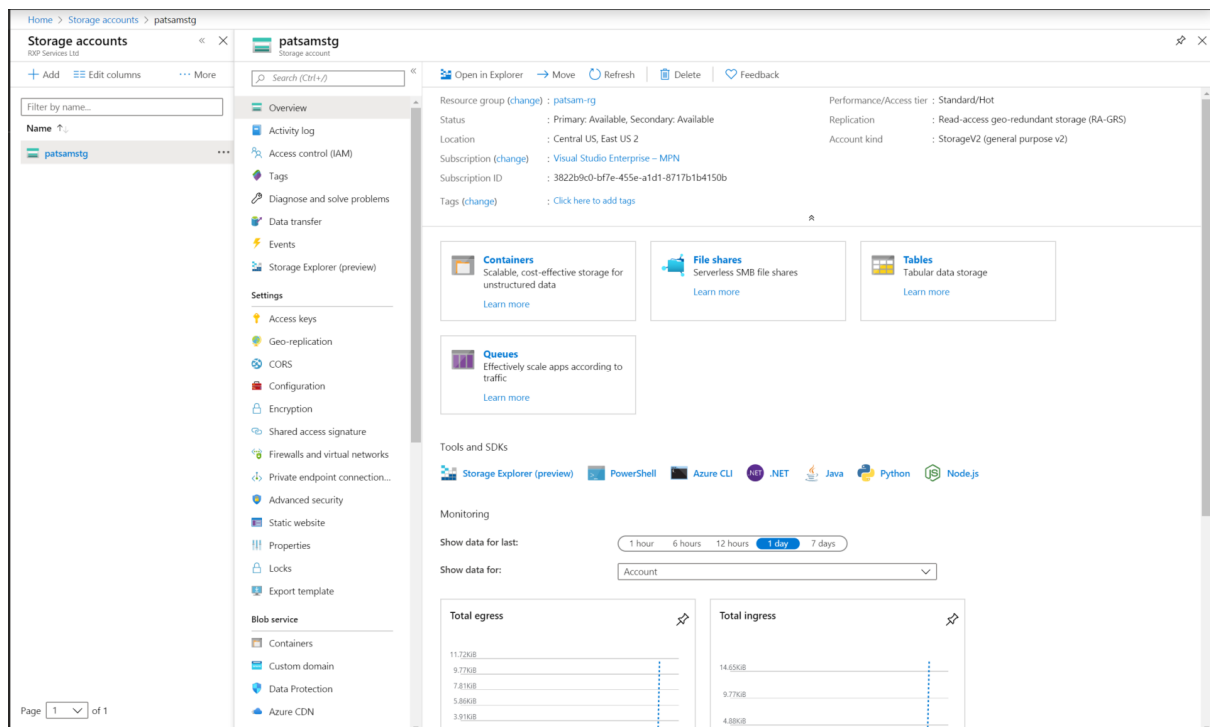
Create index.html on a local folder and add bellow code.

Create 404.html on a local folder and add bellow code.

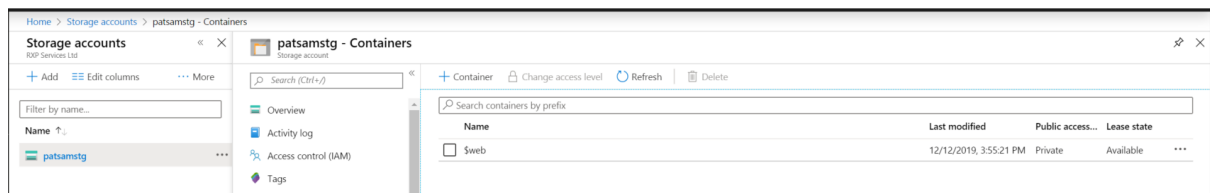
Next, we need to upload those 2 files we created to the Storage Account.

Click on Overview tab and select Containers.

- Overview → Containers

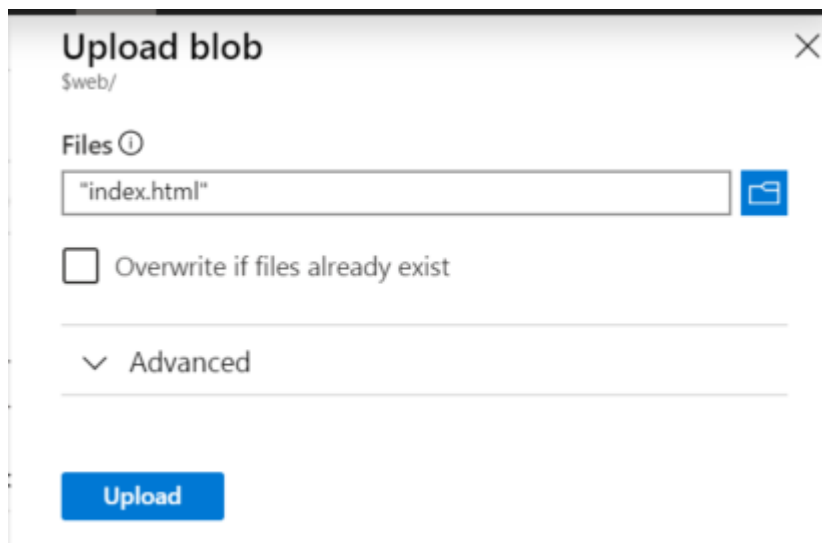


Since we enabled Static Website option, it created us a Container. Click on \$web Container.

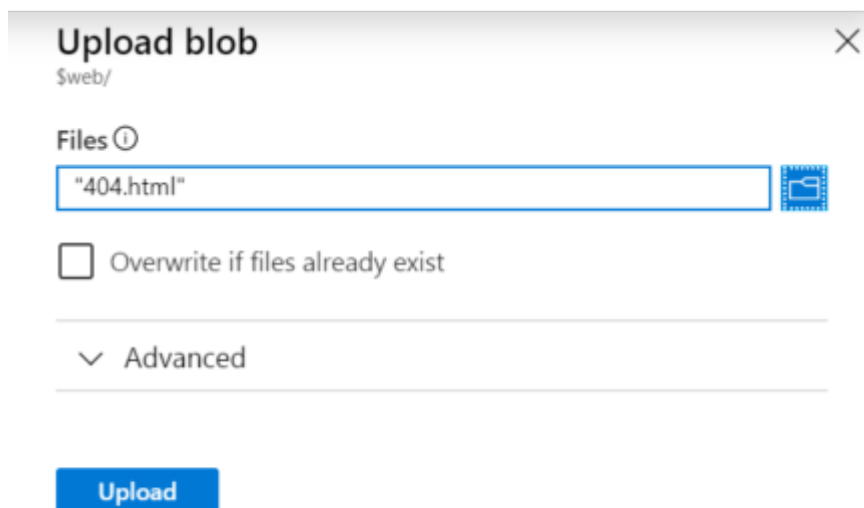


Click Upload to Upload Blob to the Container.

Upload index.html



Upload 404.html



We can see the newly uploaded files.

The screenshot shows the Azure portal interface for the 'patsamstg' storage account. The left sidebar shows the 'Containers' section. The main pane displays the '\$web' container. At the top, there are action buttons: Upload, Change access level, Refresh, Delete, Change tier, Acquire lease, Break lease, View snapshots, and Create snapshot. Below these, the 'Authentication method' is set to 'Access key' and the 'Location' is '\$web'. A search bar for blobs is present. A table lists the blobs in the container:

Name	Modified	Access tier	Blob type	Size	Lease state
404.html	12/12/2019, 4:17:23 PM	Hot (Inferred)	Block blob	15 B	Available
index.html	12/12/2019, 4:16:51 PM	Hot (Inferred)	Block blob	21 B	Available

Go to Static Website tab and copy the URL and paste it to the browser.

- <https://patsamstg.z19.web.core.windows.net/>

The screenshot shows the 'Static website' settings for the 'patsamstg' storage account. The 'Static website' toggle is turned on. The 'Primary endpoint' is 'https://patsamstg.z19.web.core.windows.net/'. The 'Secondary endpoint' is 'https://patsamstg-secondary.z19.web.core.windows.net/'. The 'Index document name' is 'index.html' and the 'Error document path' is '404.html'.

The screenshot shows a web browser window with the address bar displaying 'https://patsamstg.z19.web.core.windows.net/'. The page content is 'Hello World!'.