

Hosting a Cloud Resume on Azure Using Azure Storage Static Website and Azure CDN

I am going to create an Azure Storage Account and then I will deploy a Static Website using the same Storage Account. After deploying the website, a container for \$web will be created automatically, which will be used for storing the content of my website and these files will be uploaded using Azure Storage Explorer. Once the files are uploaded I will connect Static Website endpoint to Azure CDN using Azure Storage Account.

Pre-requisite:

- a. Azure Free tier account/Sandbox
- b. Azure Storage Explorer installed and configured on Windows, Linux or Mac

Creating Azure Storage Account

- I have created an Azure Storage Account, please use the image listed below for reference

Create a storage account

[Basics](#) | [Features](#) | [Networking](#) | [Data protection](#) | [Encryption](#) | [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 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 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 *	<div>Free Trial</div>
Resource group *	<div>(New) cloudresumePrashantKhatri</div> <div>Create new</div>

Instance details

Storage account name * ⓘ	<div>cloudresumechallenge1pk</div>
Region * ⓘ	<div>(US) East US</div> <div>Deploy to an Azure Extended Zone</div>
Primary service ⓘ	<div>Select a primary service</div>
Performance * ⓘ	<div><input checked="" type="radio"/> Standard: Recommended for most scenarios (general-purpose v2 account)</div> <div><input type="radio"/> Premium: Recommended for scenarios that require low latency.</div>
Redundancy * ⓘ	<div>Geo-redundant storage (GRS)</div> <div><input checked="" type="checkbox"/> Make read access to data available in the event of regional unavailability.</div>

[Previous](#)

[Next](#)

[Review + create](#)

Note: I am going to use default settings to make things easier for this

project.

Home > cloudresumechallenge1pk_1743520818538 | Overview >

cloudresumechallenge1pk
Storage account

Search

Upload Open in Explorer Delete Move Refresh Open in mobile CLI / PS Feedback

Overview

- Activity log
- Tags
- Diagnose and solve problems
- Access Control (IAM)
- Data migration
- Events
- Storage browser
- Storage Mover
- Partner solutions
- Resource visualizer
- Data storage
 - Containers
 - File shares
 - Queues
 - Tables
- Security + networking

Essentials

Resource group (move) : cloudresumePrashantKhatri

Location : eastus

Primary/Secondary Loca... : Primary: East US, Secondary: West US

Subscription (move) : Free Trial

Subscription ID : aff68781-4834-4e3d-8654-b462c17d953f

Disk state : Primary: Available, Secondary: Available

Tags (edit) : Add tags

Performance : Standard

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

Account kind : StorageV2 (general purpose v2)

Provisioning state : Succeeded

Created : 4/1/2025, 8:51:14 PM

Properties Monitoring Capabilities (7) Recommendations (0) Tutorials Tools + SDKs

Blob service

Hierarchical namespace : Disabled

Default access tier : Hot

Blob anonymous access : Disabled

Blob soft delete : Enabled (7 days)

Container soft delete : Enabled (7 days)

Versioning : Disabled

Change feed : Disabled

Security

Require secure transfer for REST API operations : Enabled

Storage account key access : Enabled

Minimum TLS version : Version 1.2

Infrastructure encryption : Disabled

Networking

Deploying a Static Website using Azure Storage Account

- I am going to create a static website using Azure Storage services, please use the images listed below for reference

Home > cloudresumechallenge1pk_1743520818538 | Overview > cloudresumechallenge1pk

cloudresumechallenge1pk | Static website

Search

Save Discard Give feedback

Access keys

Shared access signature

Encryption

Microsoft Defender for Cloud

Data management

- Storage tasks (preview)
- Redundancy
- Data protection
- Object replication
- Blob inventory
- Static website
- Lifecycle management
- Azure AI Search

Settings

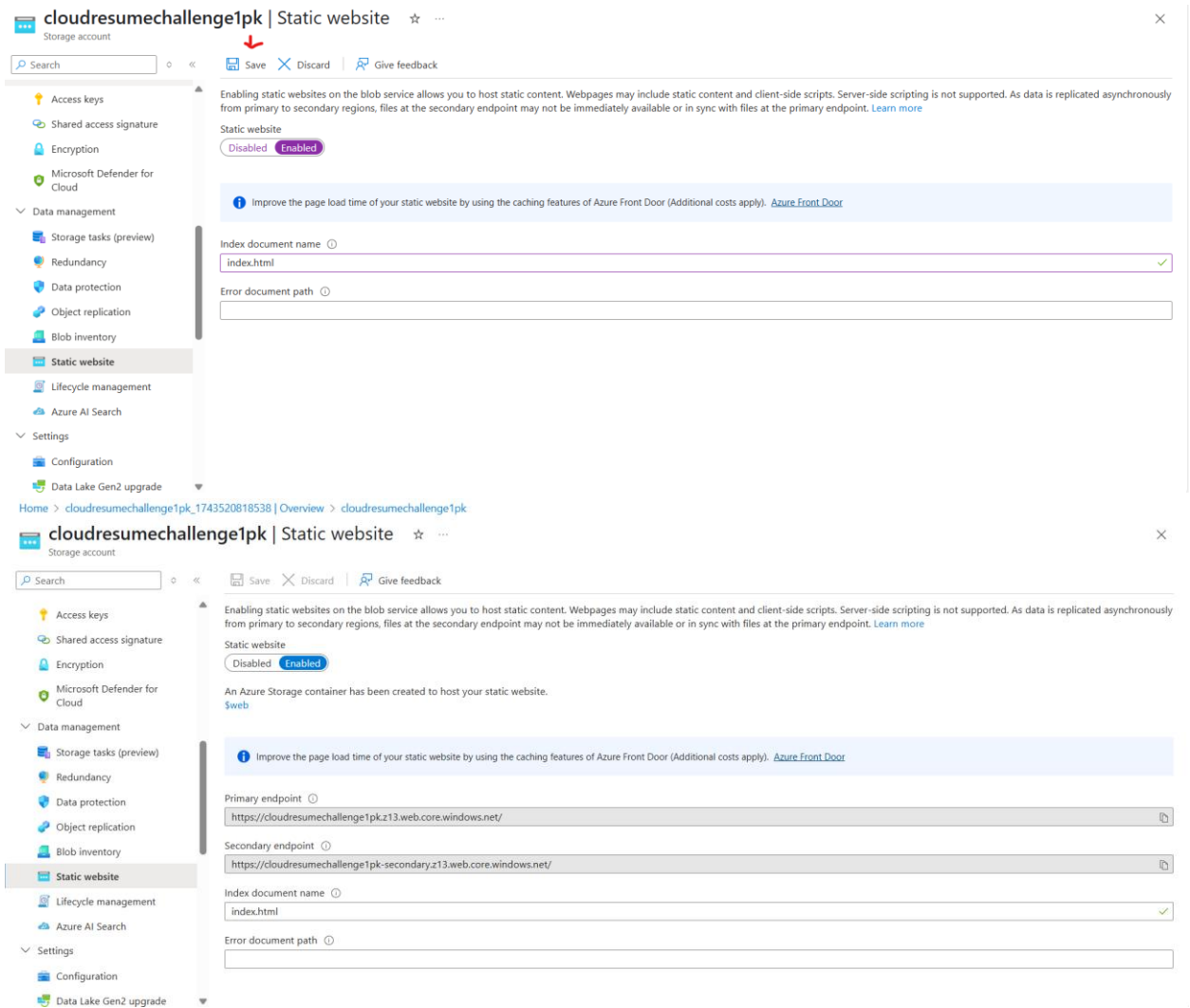
- Configuration
- Data Lake Gen2 upgrade

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

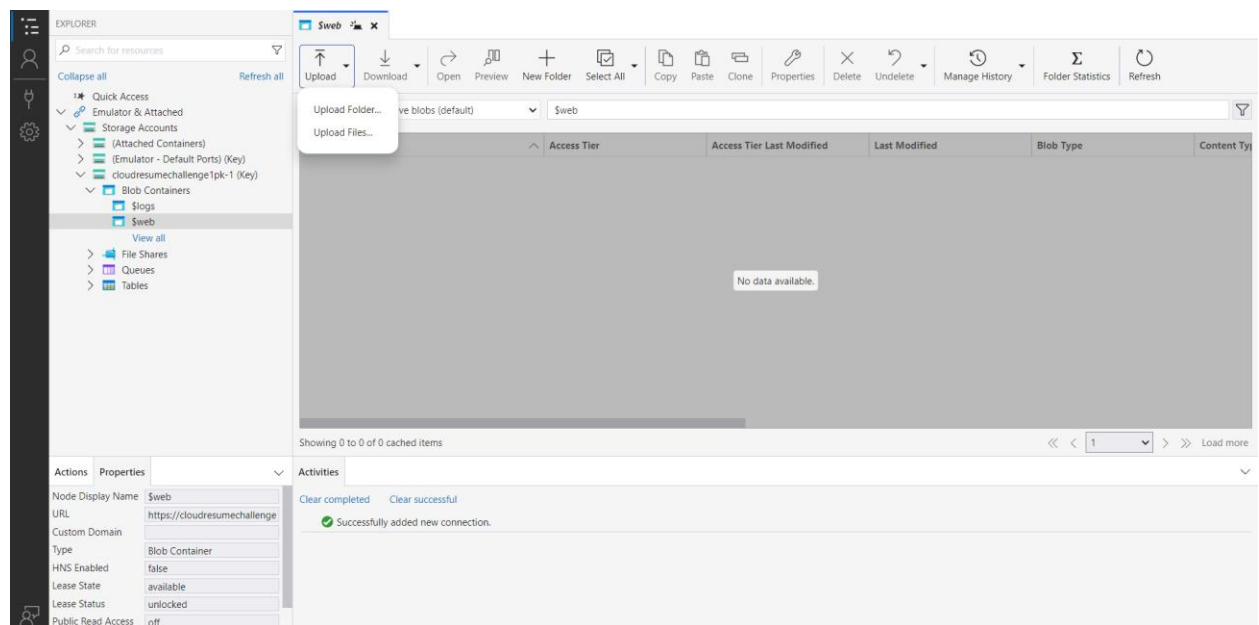
Disabled Enabled

Now type in index.html under Index Document name

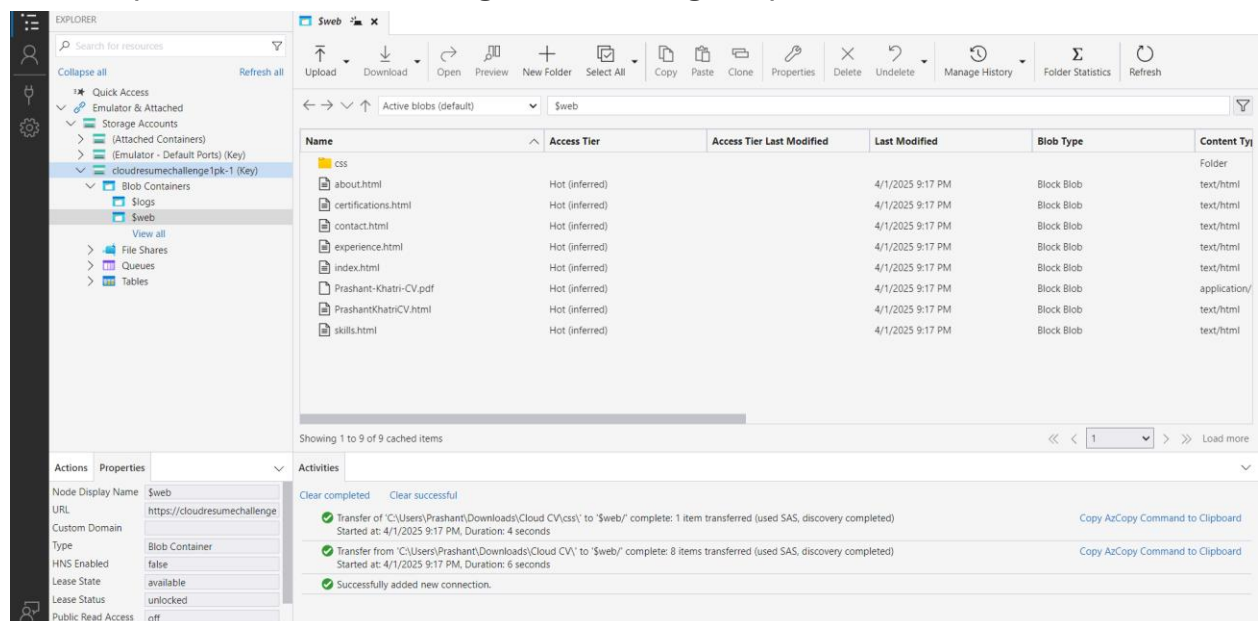


- This will create a blob container \$web which will be used for uploading files and folder through Azure Storage Explorer, I have connected the

Storage Account using Access key



- I have uploaded the files using Azure Storage Explorer



Deploying Azure CDN and linking it with Static Website Endpoint

- I have created an Azure CDN profile within the storage account and linked with the Azure Static Website endpoint created earlier using Azure Storage Services, please use the images listed below for reference

- Overview
- Activity log
- Tags
- Diagnose and solve problems
- Access Control (IAM)
- Data migration
- Events
- Storage browser
- Storage Mover
- Partner solutions
- Resource visualizer
- Data storage
- Security + networking
- Networking
- Front Door and CDN**
- Access keys
- Shared access signature

New Endpoint

Service type

☐ Azure Front Door (Recommended)

☒ Azure CDN

Create new/use existing profile

☒ Create new

☐ Use existing

Profile name *

Endpoint name *

Endpoint host name

Origin host name *

Pricing tier *

[Learn more](#)

Query string caching behavior *


Create

This will take 5-10 minutes to complete the deployment and once it is completed this will load our website using Azure CDN Services

cloudresumechallengeprashant Front Door and CDN profile

Search Endpoint Purge Move Delete

Overview

Essentials

Resource group (move) : [rg_sb_eastus_267673_1_174352261561](#) Pricing Tier : Microsoft CDN (classic)

Status : Active

Subscription (move) : [PAYG-Sandboxes](#)

Subscription ID : 4f6a6eb9-27d0-4ed6-a31c-2bde135e2db6

Endpoints

Hostname	Status	Protocol	Origin type	Custom domains
cloudresumechallengeprashant.azureedge.net	Running	HTTP, HTTPS	Storage static website	

Home > StorageIntegration-ClassicCdnDeployment-1743523674879 | Overview > cloudresumechallengeprashant >

cloudresumechallengeprashant (cloudresumechallengeprashant/cloudresumechallengeprashant) ✨ ☆ ...

Endpoint

Search

+ Custom domain Purge Stop Delete

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Resource visualizer
- Settings
 - Origin
 - Custom domains
 - Compression
 - Caching rules
 - Geo-filtering
 - Optimization
 - Rules engine
 - Locks
- Monitoring
- Automation

Essentials

Resource group (move) : [rg_sb_eastus_267673_1_174352261561](#)

Status : Running

Location : Global

Subscription (move) : [PAYG-Sandboxes](#)

Subscription ID : 4f6a6eb9-27d0-4ed6-a31c-2bde135e2db6

Endpoint hostname : <https://cloudresumechallengeprashant.azureedge.net>

Origin hostname : <https://cloudresumechallenge2pk-z13.web.core.windows.net>

Protocols : HTTP, HTTPS

Optimization type : General web delivery

Custom domains

Hostname	Custom HTTPS	Details
There are no custom domains to display		

cloudresumechallengeprashant.azureedge.net

Home About Experience Skills Certifications Contact Cloud CV

Prashant Khatri

Senior Technical Support Engineer

Experienced in Active Directory, Windows Server, and enterprise IT infrastructure management. Passionate about delivering efficient technical solutions and exceptional support.

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in

Note: With Azure Free Tier Azure CDN Services/Front Door services are not available so try to use a sandbox or Azure pay-as-you go subscription.