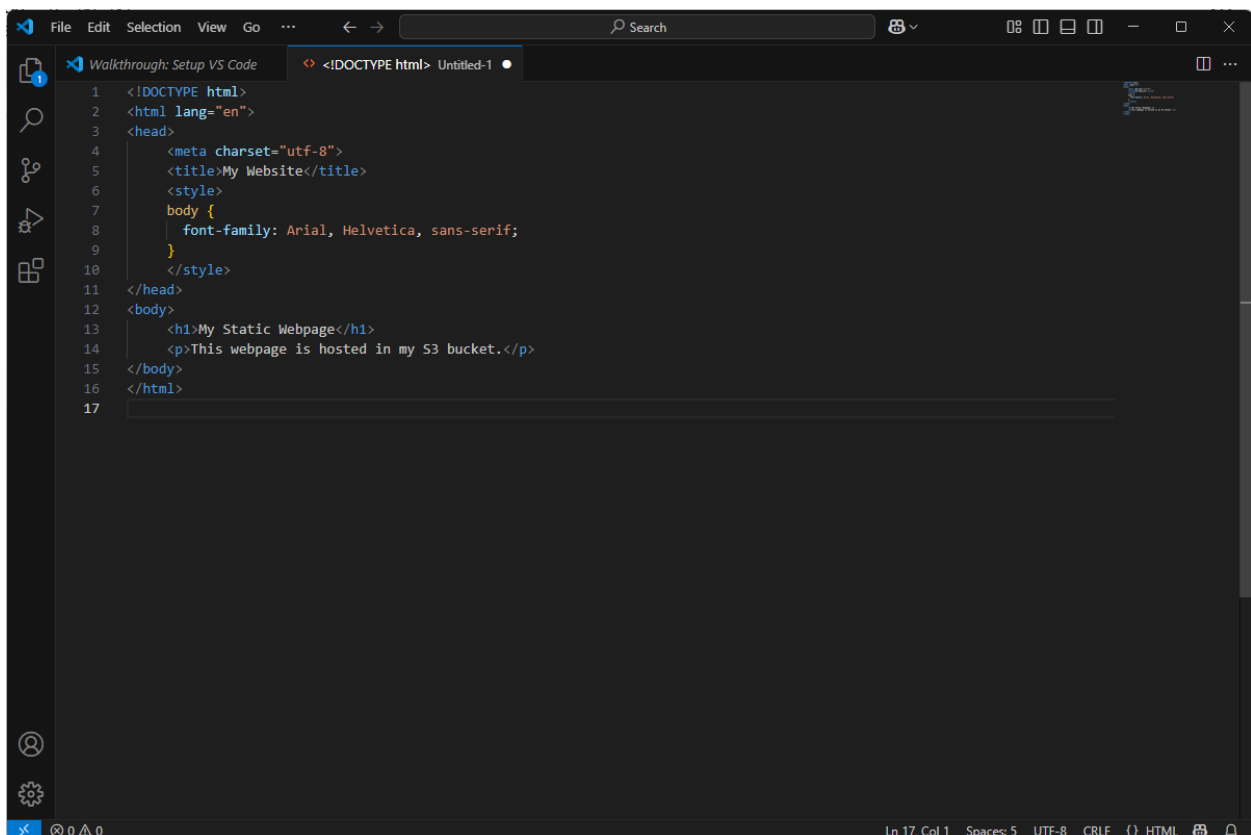


Branden Solomon
5/7/25
Professor Francis
CTEC 475

Capstone Module 8

1. Create an index.html file to serve as the initial home page for your website. To do this, create a text document in Notepad or a similar simple text editor. Include the following text, and do not use any text formatting in your file; replace the bold, italicized text with your own text that is personalized and will identify you as the author:



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="utf-8">
5   <title>My Website</title>
6   <style>
7     body {
8       font-family: Arial, Helvetica, sans-serif;
9     }
10  </style>
11 </head>
12 <body>
13   <h1>My Static Webpage</h1>
14   <p>This webpage is hosted in my S3 bucket.</p>
15 </body>
16 </html>
17
```

2. Do some research for your public cloud platform to find instructions for hosting a static website in that cloud. Some platforms require special settings for hosting a static website. For example, you might need to use a particular name for your bucket or container, or you might need to eliminate pieces of the HTML code (such as the header). As you do your research, keep in mind that for this project, you do not need to set up resources required to support a custom domain. For example, GCP requires a load

balancer to use a custom domain, and this configuration is not required for this project. For this project, you also do not need to create an error file, also called a 404.html file.

Static website hosting functionality is configured within a storage account and isn't enabled by default. To enable static website hosting, select a storage account. In the left navigation pane, select Static website from the Data management group, and then select Enabled. Provide a name for your Index document. You can optionally provide a path to a custom 404 page. Finally, select Save to save your configuration changes.

3. In your selected public cloud platform, create a storage bucket or container and enable public access to this bucket or container. What is the name of your storage bucket or container?

Microsoft Azure

Search resources, services, and docs (G+/I)

Copilot

Home > Storage accounts >

Create a storage account

Basics Advanced Networking Data protection Encryption Tags **Review + create**

[View automation template](#)

Basics

Subscription	Azure for Students
Resource group	storage
Location	East US
Storage account name	containerization
Primary service	
Performance	Standard
Replication	Read-access geo-redundant storage (RA-GRS)

Advanced

Enable hierarchical namespace	Disabled
Enable SFTP	Disabled
Enable network file system v3	Disabled
Allow cross-tenant replication	Disabled
Access tier	Hot
Enable large file shares	Enabled

Security

Secure transfer	Enabled
Blob anonymous access	Disabled
Allow storage account key access	Enabled
Default to Microsoft Entra authorization in the Azure portal	Disabled

Previous Next **Create**

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Microsoft Azure

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Home >

static-website

Container

Search

Upload Change access level Refresh Delete Change tier Acquire lease Break lease View snapshots Create snapshot Give feedback

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

Authentication method: Access key ([Switch to Microsoft Entra user account](#))

Location: static-website

Search blobs by prefix (case-sensitive)

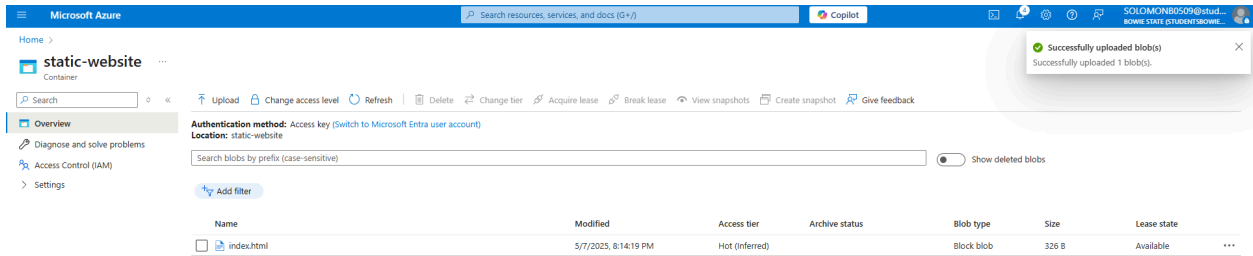
Show deleted blobs

Add filter

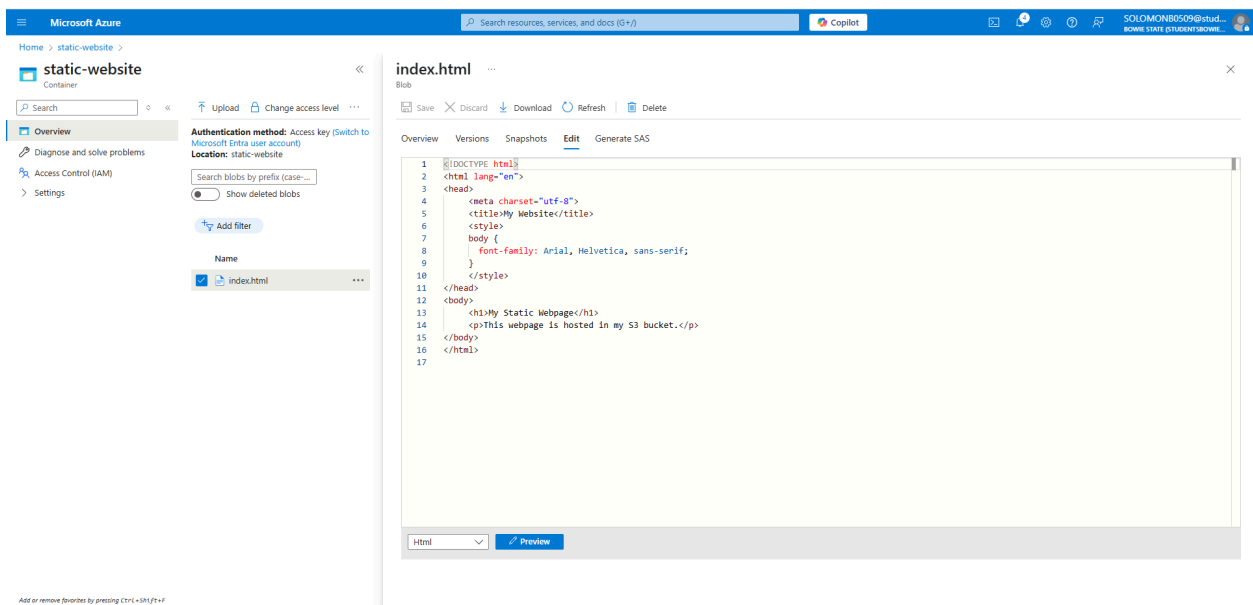
Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
No results						

https://portal.azure.com/?Microsoft_Azure_Education_correlationId=3ff69c44-7d8f-4b7d-8c42-4a5528ca647#view/Microsoft_Azure_Storage/ContainerMenuBlade~/overview/storageAccountid/%2Fsubscriptions%2F09047b7-a6e7-44d5-a691-9c73987cd0a9%2FresourceGroups%2Fstorage%2Fproviders%2FMicrosoft.Storage%2FstorageAccounts%2Fconta...

4. Upload your index.html file to your bucket or container. If needed, enable public access to this object or blob. What steps did you need to take to enable.



3



5. Visit the website's public URL in an incognito window to ensure anyone can access your website. If you receive any error messages here, troubleshoot and fix the problem. Take a screenshot of your website showing the public URL in the browser's address bar and the personalized text on the webpage; submit this visual with your answers to this project's questions.

brave

https://storage_account_name.blob.core.windows.net/contai

Q All Images News Videos Goggles

Azure Blob Storage Path

The provided URL structure indicates an attempt to access a blob named `index.html` within a container named `container_name` in an Azure Blob Storage account named `storage_account_name`. To access this blob, ensure that the container and blob names follow the naming rules specified by Azure Blob Storage. Container names must be lowercase and between 3 and 63 characters long, and can only contain lowercase letters, numbers, and the dash (-) character.

More

Microsoft
learn.microsoft.com > en-us > azure > storage > blobs > storage-blo...
Introduction to Blob (object) Storage - Azure Storage | Microsoft Learn
Use Azure Blob Storage to store massive amounts of unstructured object data, such as text or binary data. Azure Blob Storage is highly scalable and available.

Microsoft
learn.microsoft.com > en-us > rest > api > storageservices > naming...
Naming and Referencing Containers, Blobs, and Metadata - Azure Stor...
The URI to reference a container or a blob must be unique. Because every account name is unique, two accounts can have containers with the same name. However, within a given storage account, every container must have a unique name.

Videos

YouTube > Danny Moran
How to use Azure Storage Account Containers - YouTube
<https://learn.microsoft.com/en-us/azure/storage/blobs/storage-blobs-introduction>

Unable to access container-name in account storage-account-name.blob.core.windows.net using anonymous credentials, and no...

@Rohith kumar - Thanks for additional details: a general purpose v2 storage account(not gen2). After alot of research - able to resolve this issue by following the steps metioned here: <https://github.com/databricks/spark-xml/issues/392>

As per the official documentation: Azure databricks - xml file: <https://learn.microsoft.com/en-us/azure/databricks/external-data/xml>

- path: Location of XML files. Accepts standard Hadoop globbing expressions.

Code snippet:

```
spark1
spark1.sparkContext.hadoopConfiguration.set(
    "fs.azure.account.key..blob.core.window
s.com",
```

Show more

6. Delete all resources you created for this project, including any resource groups, storage accounts, buckets, containers, objects, or blobs. Check through your account to ensure you permanently deleted or terminated any resources created in this project.

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

SOLOMON80509@stud...
BOWNE STATE (STUDENT)BOWNE...

Azure services

Create a resource

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Virtual networks

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Resources

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Name	Type	Last Viewed
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All resources

Dashboard

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Learn Azure with free online training from Microsoft

Azure Monitor
Monitor your apps and infrastructure

Microsoft Defender for Cloud
Secure your apps and infrastructure

Cost Management
Analyze and optimize your cloud spend for free

Useful links

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Azure Migration Tools

Azure Services (C)
Find an Azure expert

Recent Azure Updates (C)
Quickstart Center

Azure mobile app

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