

Upload blob - Microsoft Azure

portal.azure.com/view/Microsoft_Azure_Storage/ContainerMenuBlade/~/overview/storageAccountId/%2Fsubscriptions%2F98a56445-d73a-4686-8bf7-60fd1adc39b5%2Fresou...

Microsoft Azure

Home > sbdemo1103_1682271797465 [Overview] > sbdemo1103 [Containers] >

sbdemo
Container

Search

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

Shared access tokens

Access policy

Properties

Metadata

Upload

Change access level

Refresh

Delete

Change tier

Acquire lease

Authentication method: Access key (Switch to Azure AD User Account)

Location: sbdemo

Search blobs by prefix (case-sensitive)

Add filter

No results

Upload blob

Overwrite if files already exist

Advanced

Blob type: Block blob

Upload .vhd files as page blobs (recommended)

Block size: 4 MiB

Access tier: Hot (inferred)

Upload to folder

Blob index tags

Key

Value

Encryption scope

Use existing default container scope

Choose an existing scope

2:49 / 6:24

In this course, I will:

- Use Azure Blob Storage, including creating and managing storage accounts, uploading and managing blobs, and utilizing advanced features such as immutable storage and access tiers
- Start by creating, uploading, downloading, and listing blobs with Azure Portal, PowerShell, and CLI
- Use Azure Storage Explorer to create a blob, use AzCopy to copy blobs, use .NET to manage properties and metadata for blobs, create a project to work with Azure Blob Storage client library, use immutable storage, identify access tiers available, how to set, change, and rehydrate blobs

Learning Objectives

1:09 / 1:19

Blob Storage



Blob Storage overview



Storage resources



Storage accounts



Types of blobs

Blob Storage



Containers



Moving data

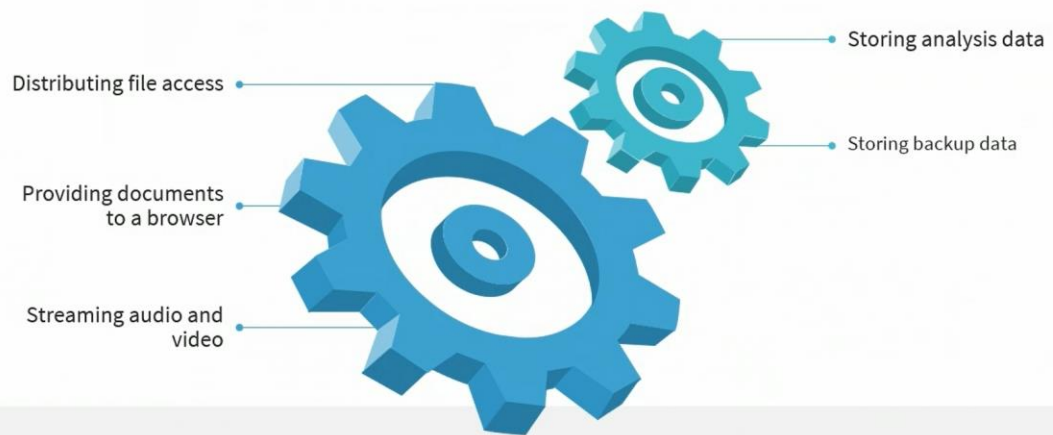


Azure Data Lake Storage

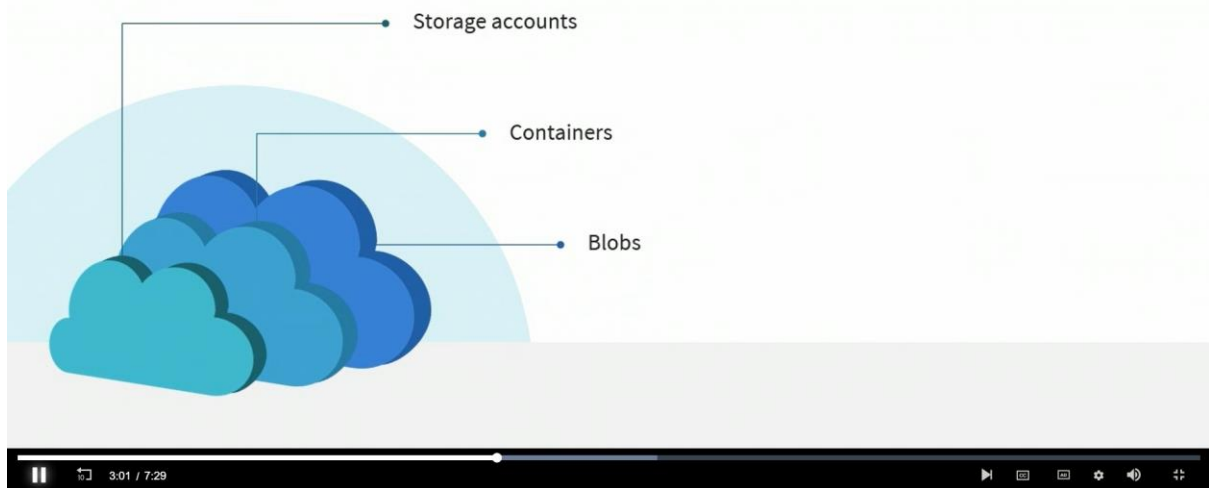


Client libraries

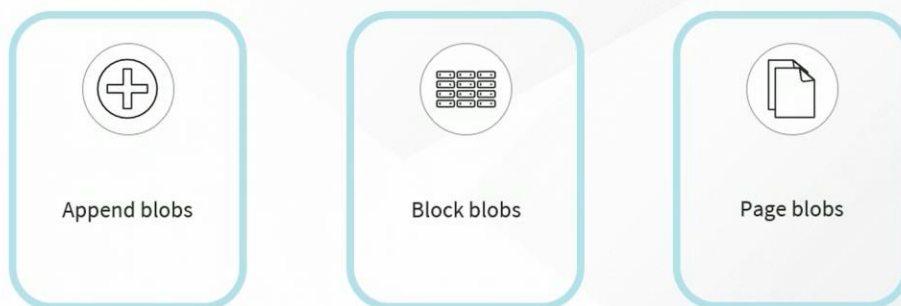
Blob Storage Overview



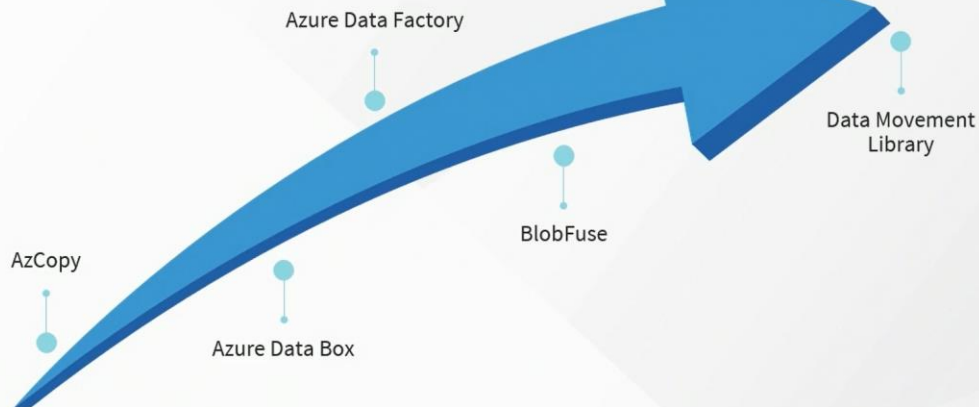
Storage Resources



Types of Blobs



Moving Data



Marketplace - Microsoft Azure

portal.azure.com/#view/Microsoft_Azure_Marketplace/MarketplaceOffersBlade/selectedMenuItemId/home/searchQuery/storage%20account/searchInitiatedFrom/plusNewBlade...

Microsoft Azure

Home > Create a resource >

Marketplace

Get Started

Service Providers

Management

Private Marketplace

Private Offer Management

My Marketplace

Favorites

Recently created

Private products

Categories

Storage (73)

Compute (45)

IT & Management Tools (38)

Security (28)

Analytics (21)

storage account

Pricing: All X Operating System: All X Publisher Type: All X Product Type: All X Publisher name: All X

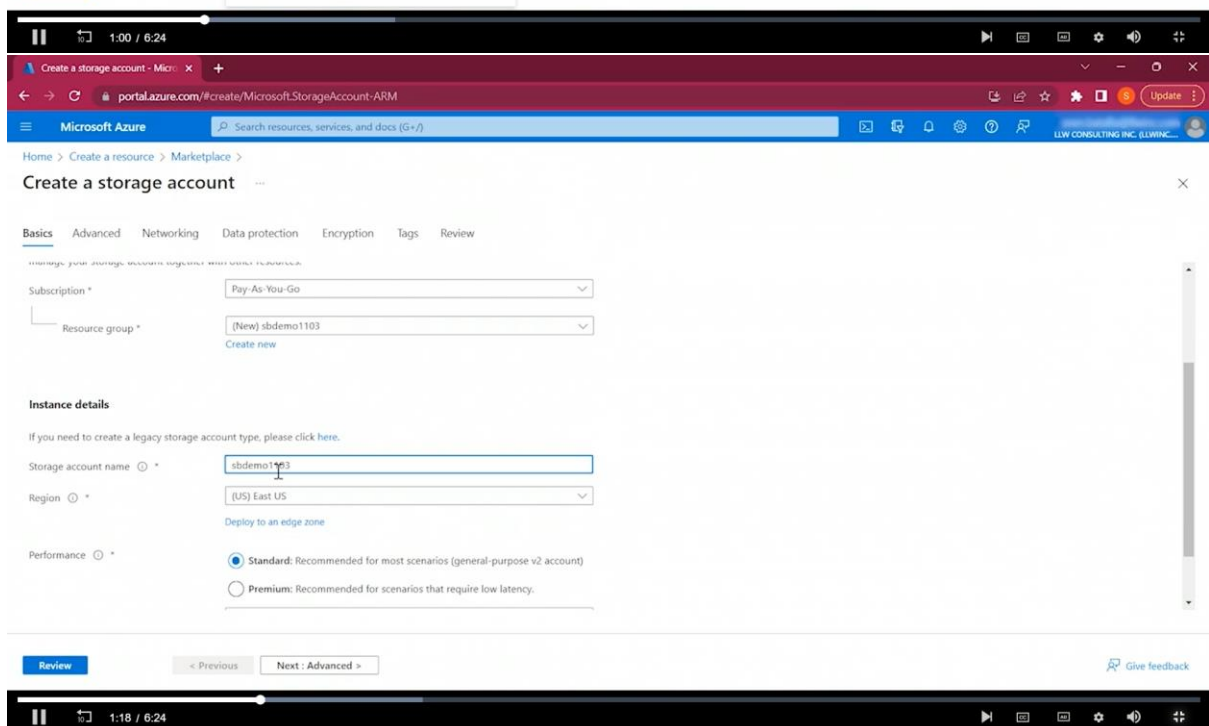
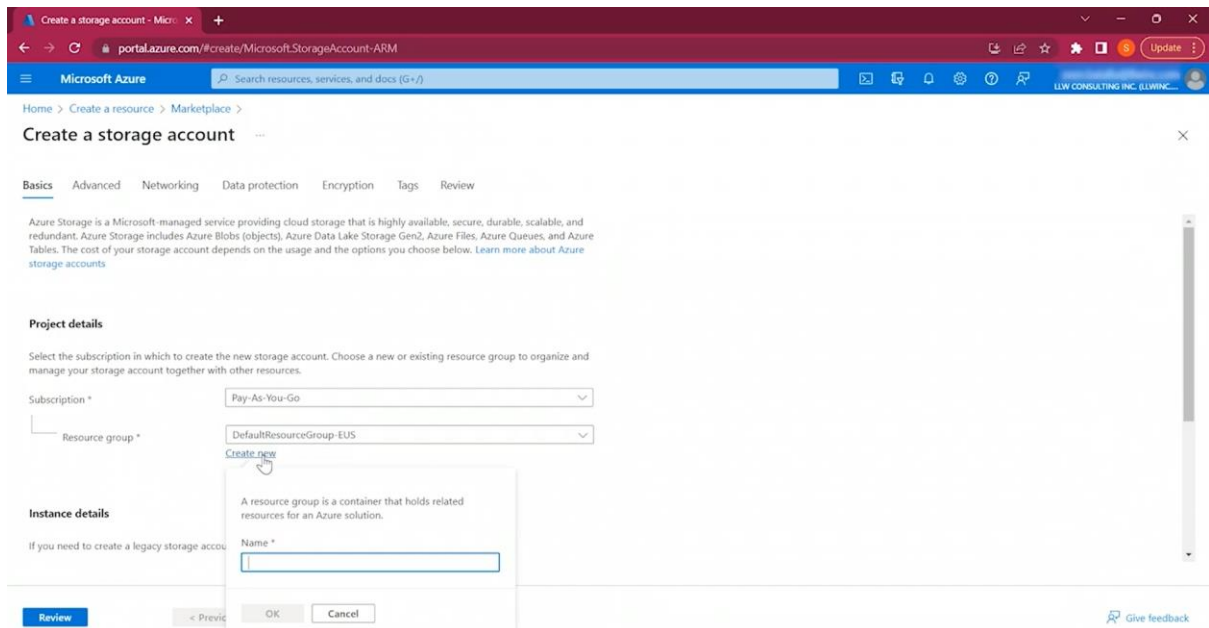
Showing 1 to 20 of 164 results for 'storage account'. [Clear search](#)

Tile view

 Storage account Microsoft Azure Service Use Blobs, Tables, Queues, Files, and Data Lake Gen 2 for reliable, economical cloud storage. Create	 Storage Account Using ARM Template FortuneCloud LLC Azure Application storage account arm (template) Price varies Create	 Storage Account Using ARM FortuneCloud LLC Azure Application storage account arm Price varies Create	 Storage Account Using ARM FortuneCloud LLC Azure Application storage account arm Price varies Create	 Azure Storage Mover Microsoft Azure Service Azure Storage Mover is a migration service that migrates your on-premises file shares to Azure Storage. Create
 Modern Workplace Cloud Storage Easy Intune glueckjanja-gab Create	 Azure Storage solution for Sentinel Microsoft Sentinel, Microsoft Co... Create	 S3 API for Azure Blob Storage (Flexify.IO) Flexify Inc. Create	 FileMage SFTP / FTP to Azure Blob Storage - Filemage LLC Create	 FileMage SFTP / FTP to Azure Blob Storage - Linux Filemage LLC Create

Is Marketplace helpful?

10:42 AM
2023-04-23



sbdemo1103_1682271797465 - Overview

Deployment

Deployment is in progress

Deployment name: sbdemo1103_1682271797465
Subscription: Pay-As-You-Go
Resource group: sbdemo1103

Start time: 4/23/2023, 10:43:18 AM
Correlation ID: 35e8de03-7d23-4841-b54d-249fac909fc0

Resource	Type	Status	Operation details
No results.			

Give feedback
Tell us about your experience with deployment

Deployment in progress...
Deployment to resource group 'sbdemo1103' is in progress.

Microsoft Defender for Cloud
Secure your apps and infrastructure
Go to Microsoft Defender for Cloud >

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Start learning today >

Work with an expert
Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.
Find an Azure expert >

sbdemo1103 - Microsoft Azure

Percipio Course Deve...

Containers

Search containers by prefix

Name	Last modified	Public access level	Lease state
Slugs	4/23/2023, 10:43:48 AM	Private	Available

1:57 / 6:24

New container - Microsoft Azure

portal.azure.com/#@llwinc/resource/subscriptions/98a56445-d73a-4686-8bf7-60fd1adc39b5/resourcegroups/sbdemo1103/providers/Microsoft.Storage/storageAccounts/...

Microsoft Azure

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sbdemo1103 | Containers

Storage account

Search

+ Container Change access level Restore containers Refresh Delete Give feedback

Search containers by prefix

Name	Last modified	Public access level
<input type="checkbox"/> \$logs	4/23/2023, 10:43:48 AM	Private

New container

Name * sbdemo

Public access level Private (no anonymous access)

Advanced

Create Give feedback

Upload blob - Microsoft Azure

portal.azure.com/#view/Microsoft_Azure_Storage/ContainerMenu blade~:/overview/storageAccountId/%2Fsubscriptions%2F98a56445-d73a-4686-8bf7-60fd1adc39b5%2Fresou...

Microsoft Azure

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sbdemo

Container

Search

Upload Change access level Refresh Delete Change tier Acquire lease

Authentication method: Access key (Switch to Azure AD User Account)

Location: sbdemo

Search blobs by prefix (case-sensitive)

Add filter

Name	Modified	Access tier
No results		

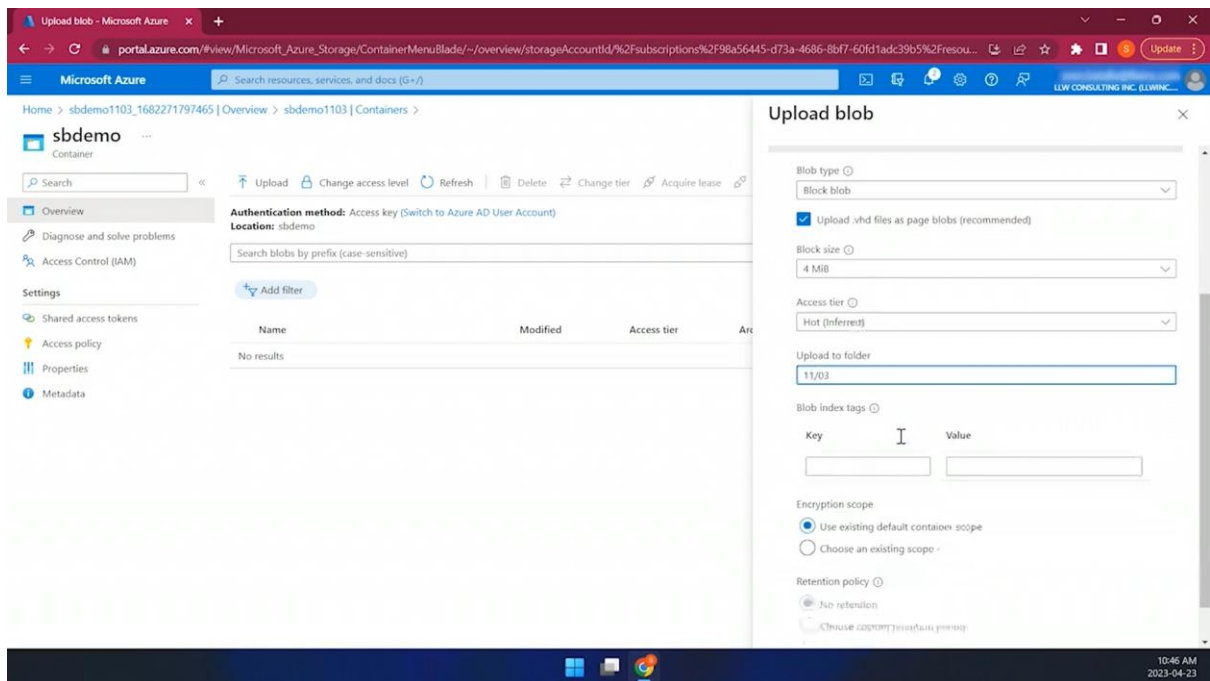
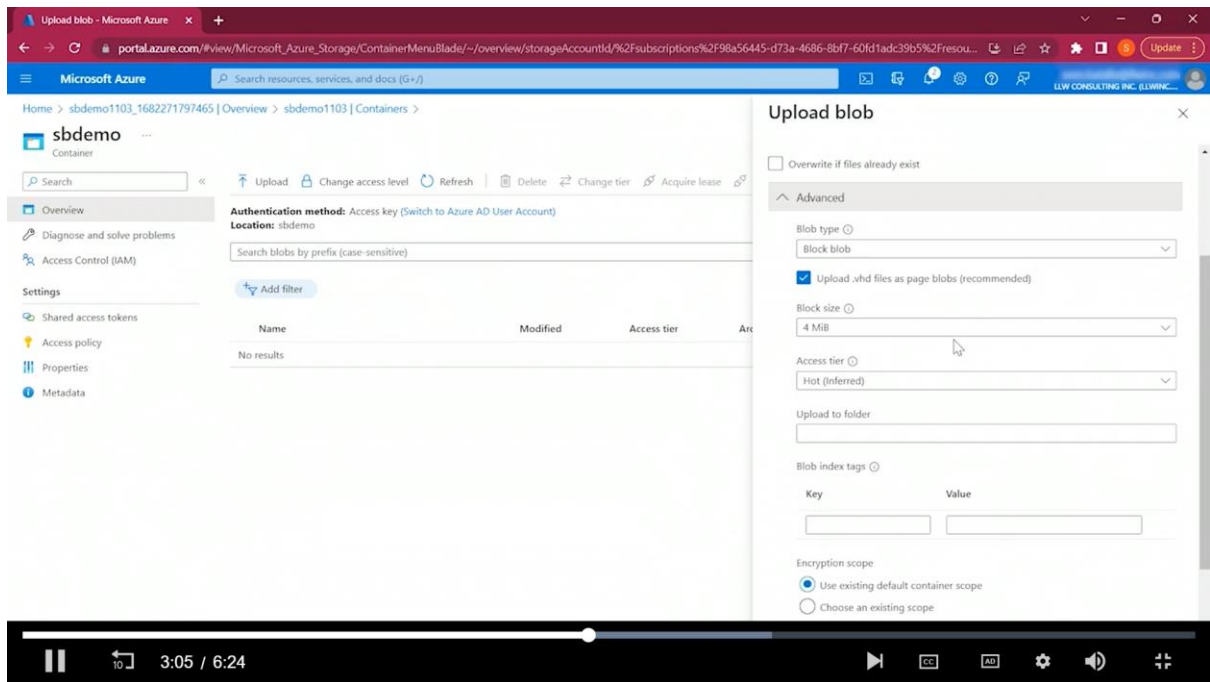
Upload blob

Drag and drop files here or Browse for files

Overwrite if files already exist

Advanced

Upload Give feedback



sbdemo - Microsoft Azure

portal.azure.com/view/Microsoft_Azure_Storage/ContainerMenuBlade/~/overview/storageAccountId/%2Fsubscriptions%2F98a56445-d73a-4686-8bf7-60fd1adc39b5%2Fresou...

Microsoft Azure

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sbdemo
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

Shared access tokens

Access policy

Properties

Metadata

Authentication method: Access key (Switch to Azure AD User Account)

Location: sbdemo / 11 / 03

Search blobs by prefix (case-sensitive)

Show deleted blobs

Add filter

	Name	Modified	Access tier	Archive status	Blob type	Size	Lease state	
<input type="checkbox"/>	[...]							...
<input type="checkbox"/>	sbdemo.txt	4/23/2023, 10:46:32 ...	Hot (Inferred)		Block blob	43 B	Available	...

10:46 AM
2023-04-23

File Edit Selection View Go Run Terminal Help Program.cs - sbdemo - Visual Studio Code

EXPLORER

SBDEMO

> bin

> obj

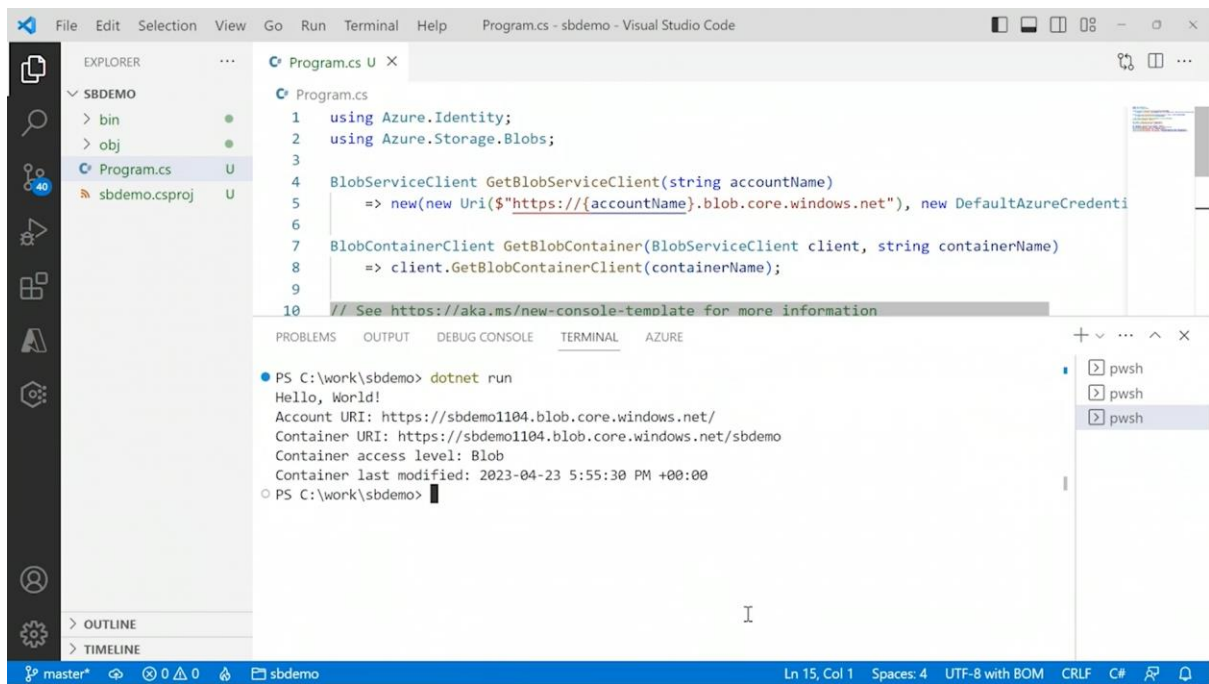
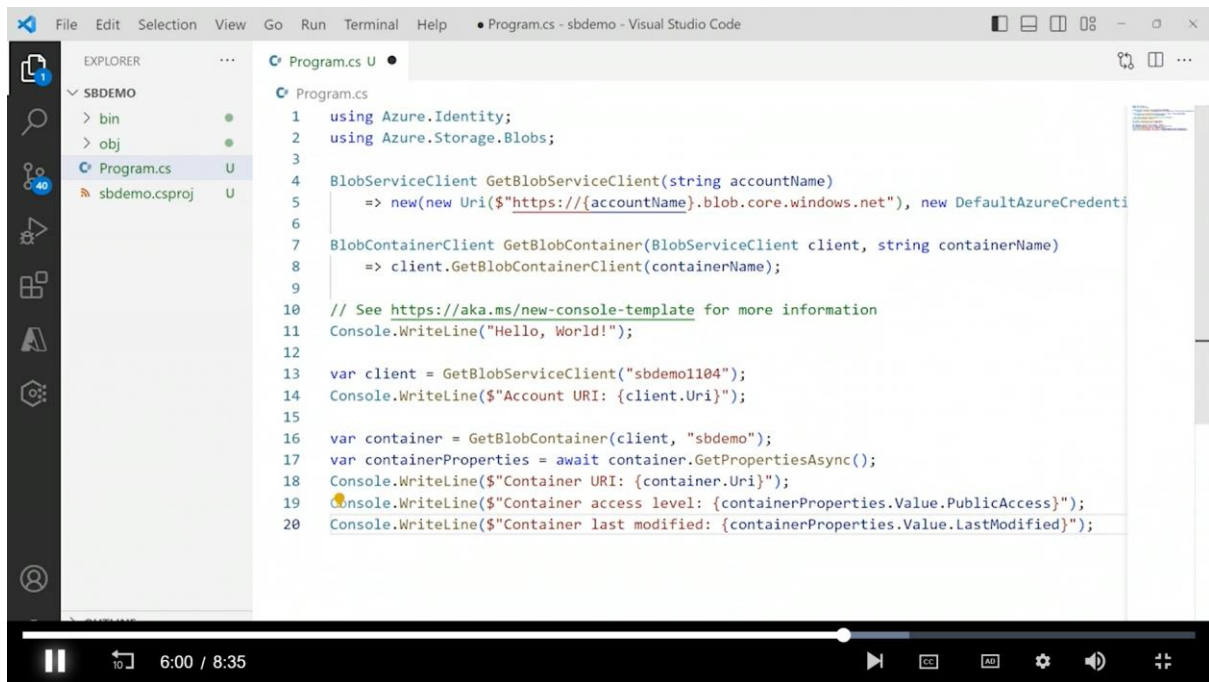
Program.cs U

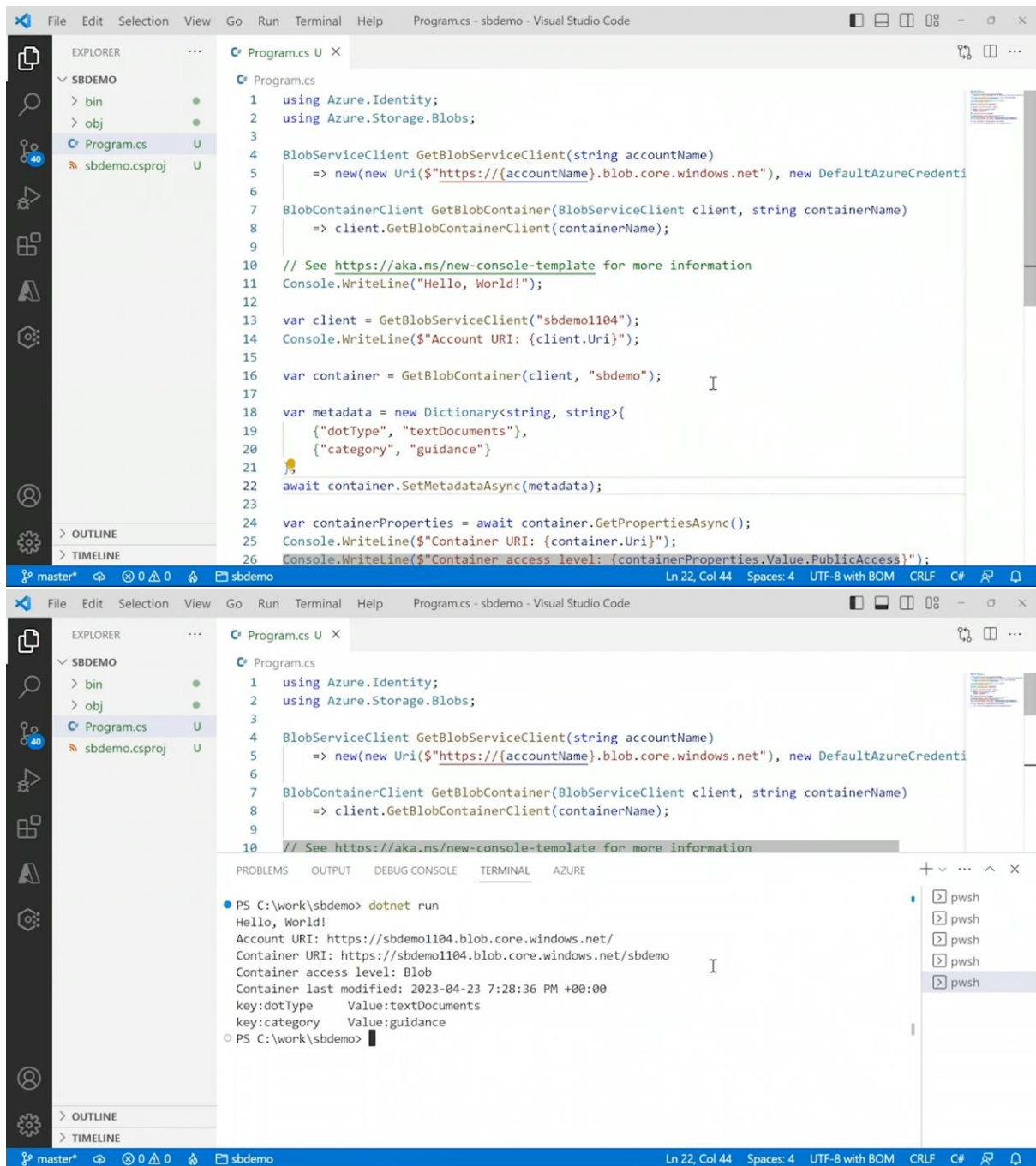
sbdemo.csproj U

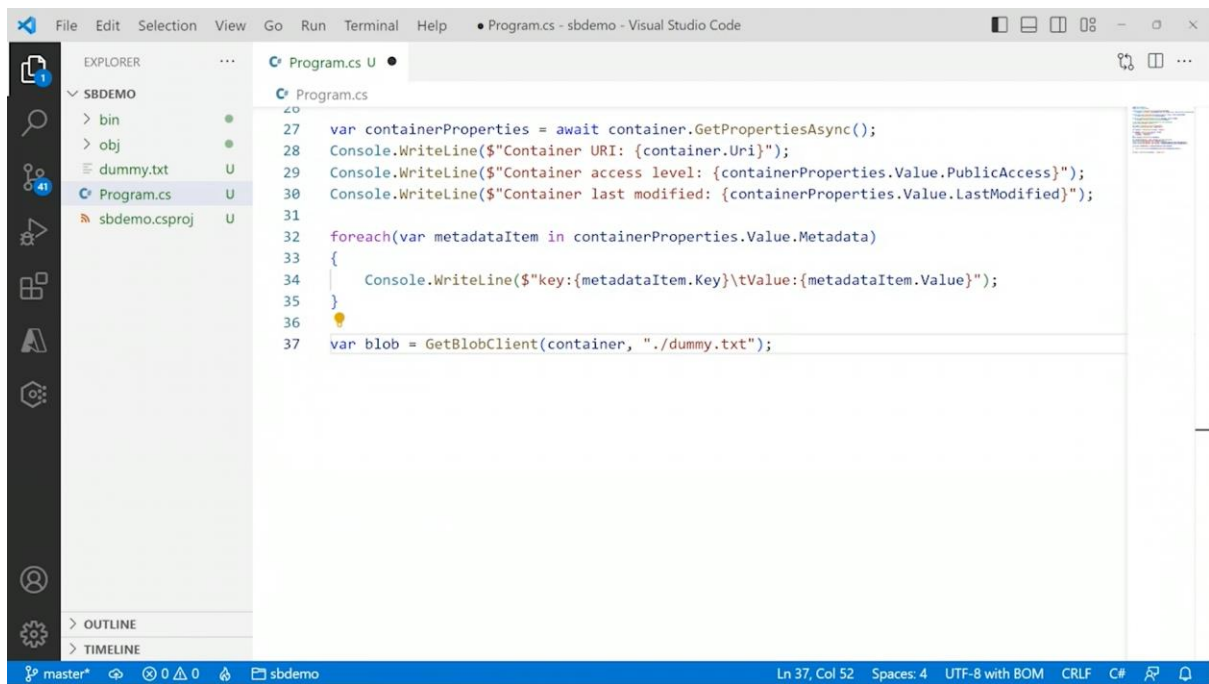
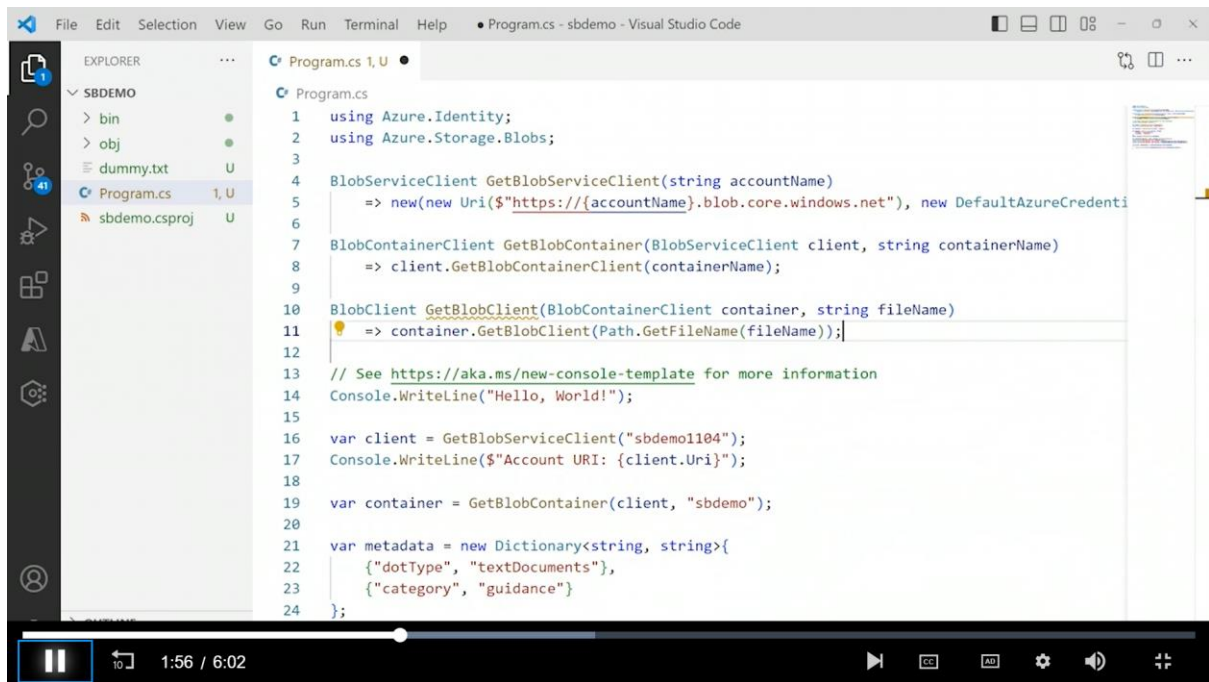
Program.cs

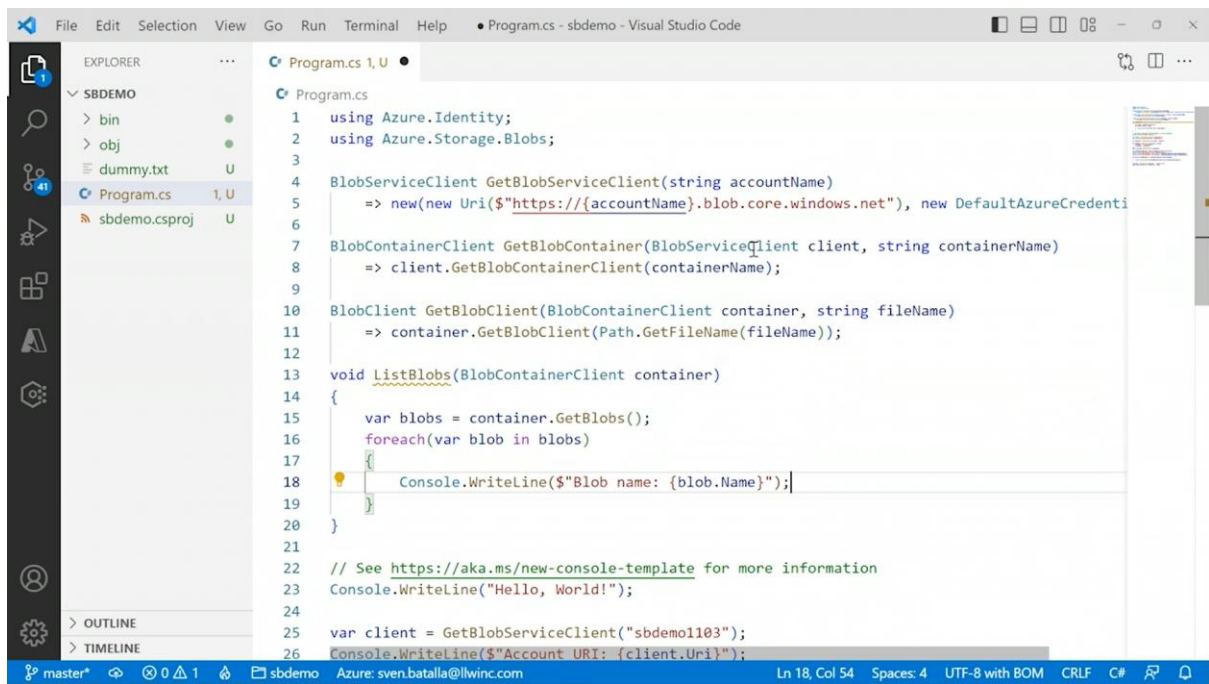
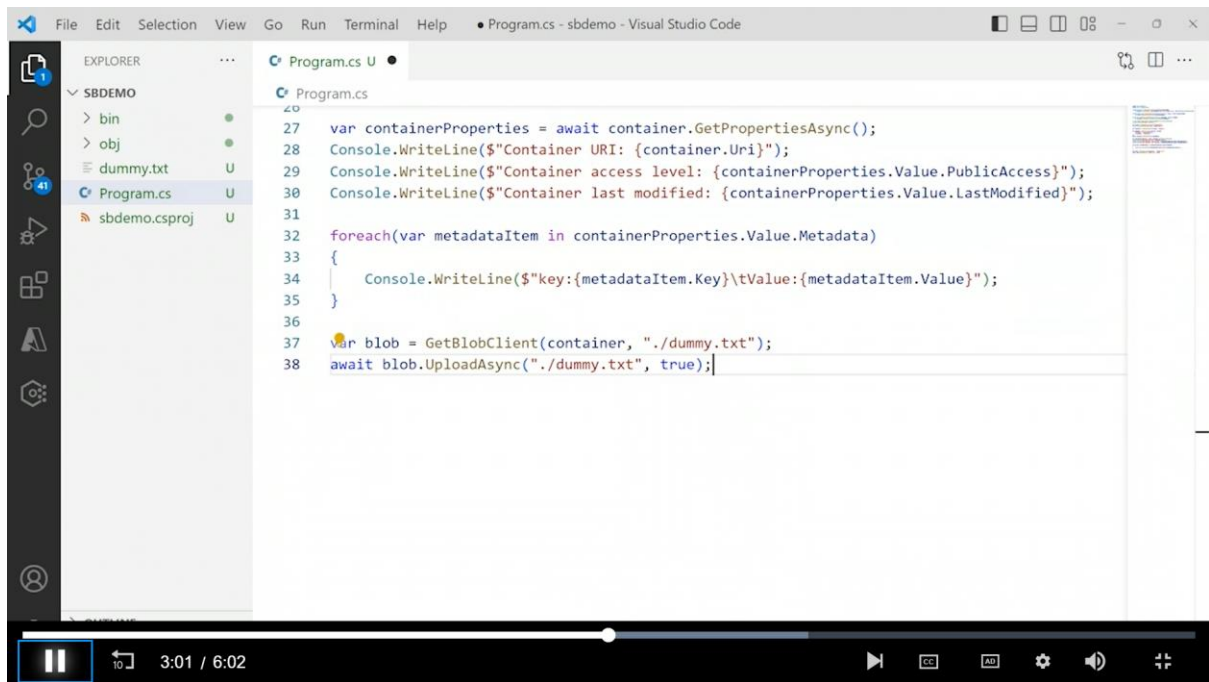
```
1 using Azure.Identity;
2 using Azure.Storage.Blobs;
3
4 BlobServiceClient GetBlobServiceClient(string accountName)
5 => new(new Uri($"https://{accountName}.blob.core.windows.net"), new DefaultAzureCredenti
6
7 // See https://aka.ms/new-console-template for more information
8 Console.WriteLine("Hello, World!");
9
10 var client = GetBlobServiceClient("sbdemo1104");
11 Console.WriteLine($"Account URI: {client.Uri}");
```

4:07 / 8:35



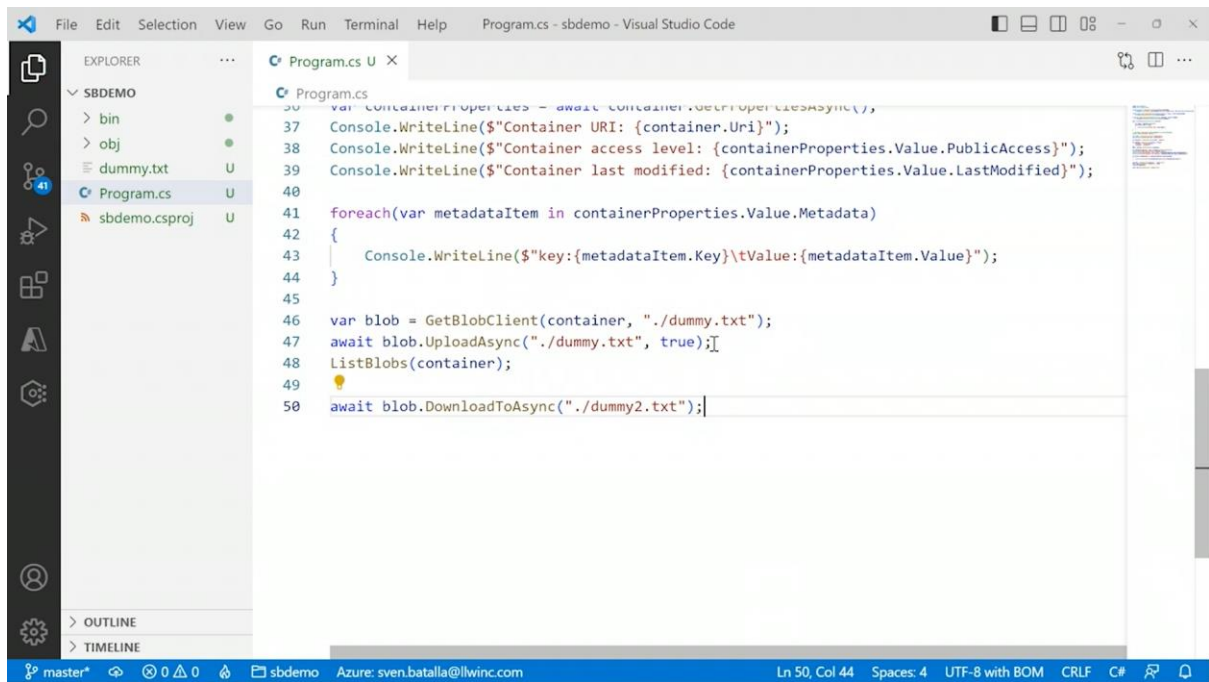






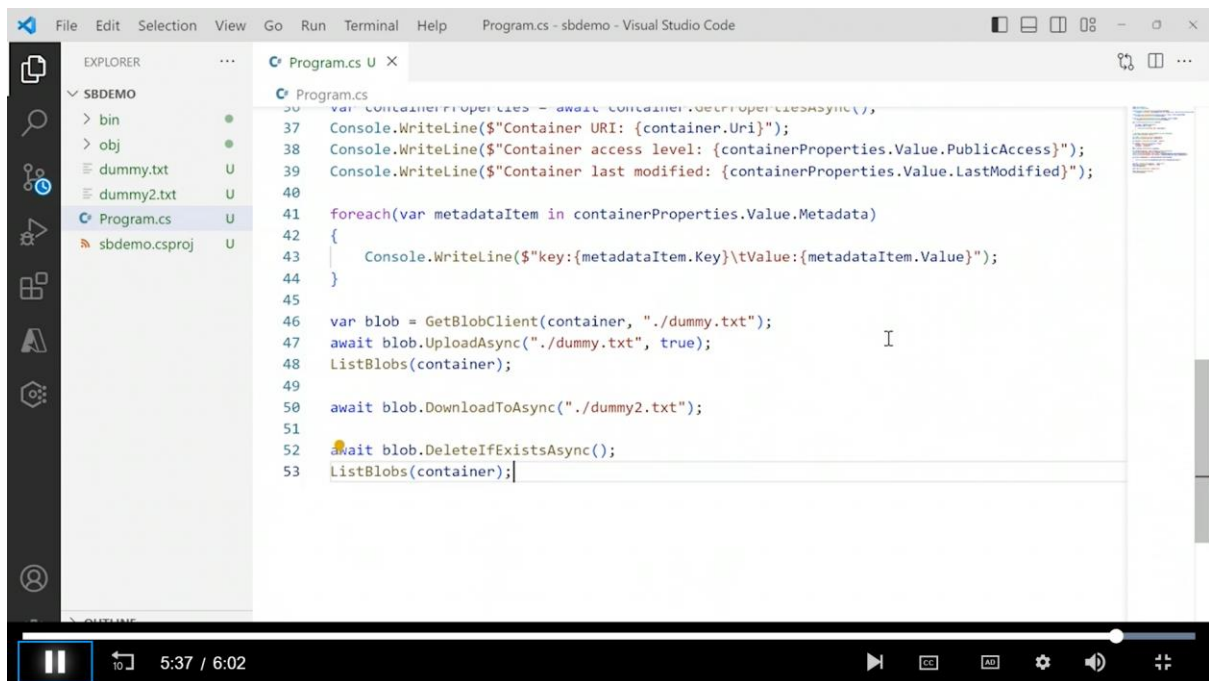
```
36 // var containerProperties = await container.GetPropertiesAsync();
37 Console.WriteLine($"Container URI: {container.Uri}");
38 Console.WriteLine($"Container access level: {containerProperties.Value.PublicAccess}");
39 Console.WriteLine($"Container last modified: {containerProperties.Value.LastModified}");
40
41 foreach(var metadataItem in containerProperties.Value.Metadata)
42 {
43     Console.WriteLine($"key:{metadataItem.Key}\tValue:{metadataItem.Value}");
44 }
45
46 var blob = GetBlobClient(container, "./dummy.txt");
47 await blob.UploadAsync("./dummy.txt", true);
48 ListBlobs(container);
```

```
PS C:\work\sbdemo> dotnet run
Hello, World!
Account URI: https://sbdemo1103.blob.core.windows.net/
Container URI: https://sbdemo1103.blob.core.windows.net/sbdemo
Container access level: None
Container last modified: 2023-04-23 8:11:25 PM +00:00
key:dotType      Value:textDocuments
key:category     Value:guidance
Blob name: 11/07/sbdemo.txt
Blob name: dummy.txt
Blob name: sbdemo.txt
PS C:\work\sbdemo>
```



This screenshot shows the Visual Studio Code editor with a C# file named Program.cs. The Explorer sidebar on the left shows a project named 'SBDEMO' with files 'bin', 'obj', 'dummy.txt', 'Program.cs', and 'sbdemo.csproj'. The code in Program.cs includes comments and logic for interacting with Azure Blob Storage. It prints container properties and metadata, uploads a file named 'dummy.txt', and then downloads it. The status bar at the bottom indicates the file is at line 50, column 44, using UTF-8 encoding with a BOM and CRLF line endings.

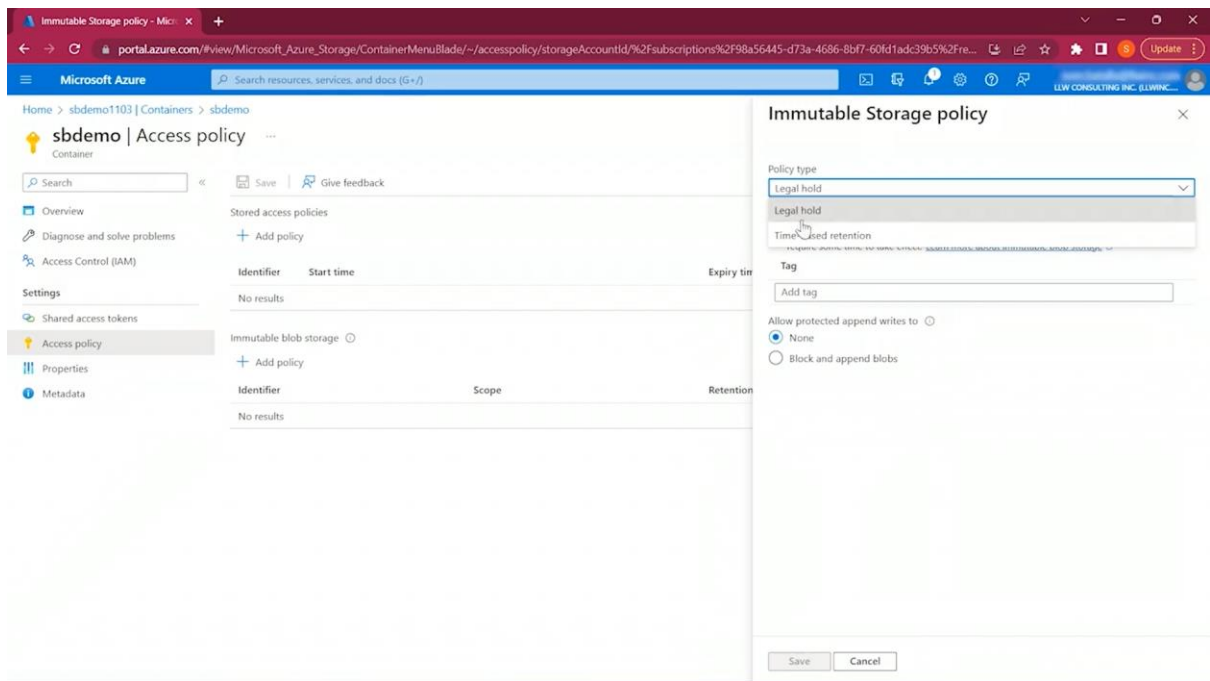
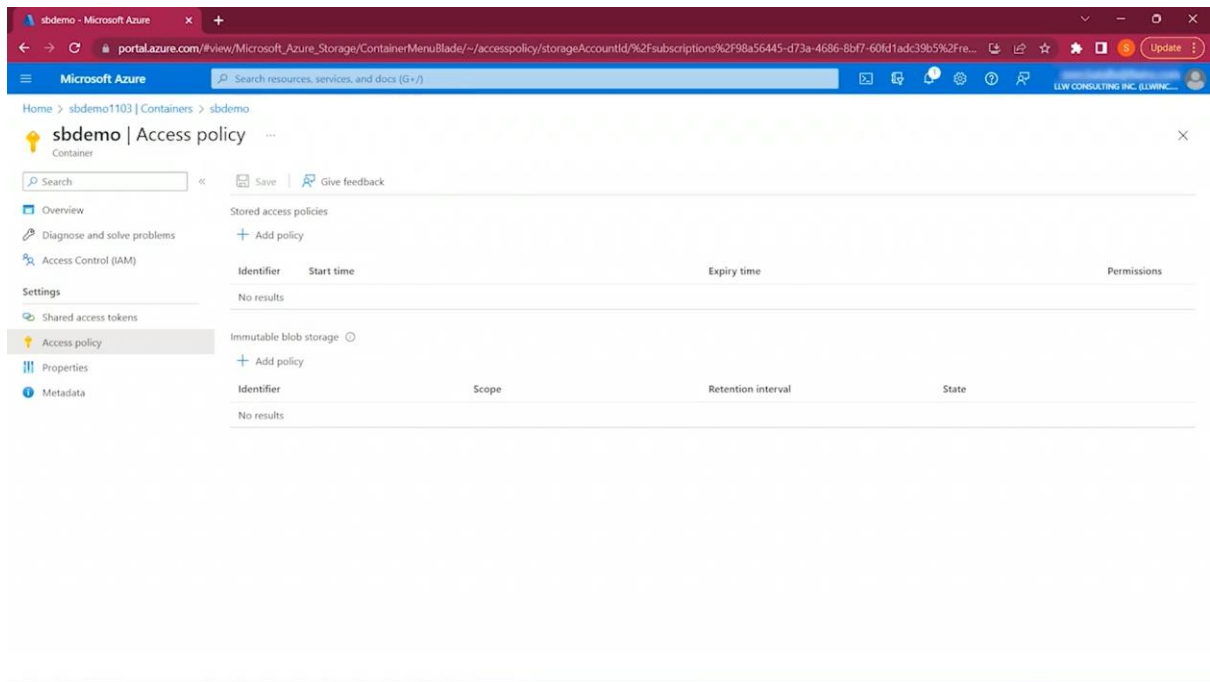
```
36 // var containerProperties = await container.GetPropertiesAsync();
37 Console.WriteLine($"Container URI: {container.Uri}");
38 Console.WriteLine($"Container access level: {containerProperties.Value.PublicAccess}");
39 Console.WriteLine($"Container last modified: {containerProperties.Value.LastModified}");
40
41 foreach(var metadataItem in containerProperties.Value.Metadata)
42 {
43     Console.WriteLine($"key:{metadataItem.Key}\tValue:{metadataItem.Value}");
44 }
45
46 var blob = GetBlobClient(container, "./dummy.txt");
47 await blob.UploadAsync("./dummy.txt", true);
48 ListBlobs(container);
49
50 await blob.DownloadToAsync("./dummy2.txt");
```



This screenshot shows the same Visual Studio Code editor with Program.cs, but with additional code for deleting the blob. The code now includes a call to 'DeleteIfExistsAsync()' before listing the blobs again. The status bar at the bottom shows a video player interface with a pause button, a progress bar at 5:37 / 6:02, and icons for full screen, settings, and volume.

```
46 var blob = GetBlobClient(container, "./dummy.txt");
47 await blob.UploadAsync("./dummy.txt", true);
48 ListBlobs(container);
49
50 await blob.DownloadToAsync("./dummy2.txt");
51
52 await blob.DeleteIfExistsAsync();
53 ListBlobs(container);
```

How to configure Immutable setting auzure blob



Immutable Storage policy - Mic...

portal.azure.com/#view/Microsoft_Azure_Storage/ContainerMenuBlade/~/accesspolicy/storageAccountId/%2Fsubscriptions%2F98a56445-d73a-4686-8bf7-60fd1adc39b5%2Fres...

Microsoft Azure

Search resources, services, and docs (G+J)

Update

LLW CONSULTING INC. | ELIWA...

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sbdemo | Access policy

Container

Search

Save Give feedback

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

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Access policy

Properties

Metadata

Stored access policies

+ Add policy

Identifier	Start time	Expiry time
No results		

Immutable blob storage

+ Add policy

Identifier	Scope	Retention
No results		

Immutable Storage policy

Policy type

Time-based retention

Set retention period for *

1

days

Enable version-level immutability

In order to enable version-level immutability support, your storage account must have versioning turned on.

Allow protected append writes to

None

Append blobs

Block and append blobs

Save

Cancel