

Walkthrough-Create Blob storage

In this walkthrough task we will create a storage account, then create a blob storage container within that storage account, then upload a block blob, view and edit the blob file within the blob container in Azure, and then download the block blob file.

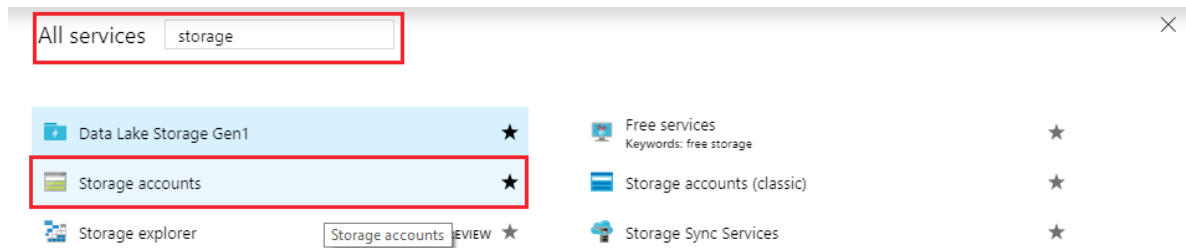
You can complete this walkthrough task by completing the steps outlined below, or you can simply read through them, depending on your available time.

Prerequisites

- You require need an Azure subscription to perform these steps. If you don't have one you can create one by following the steps outlined on the **Create your Azure free account today**¹ webpage.

Steps

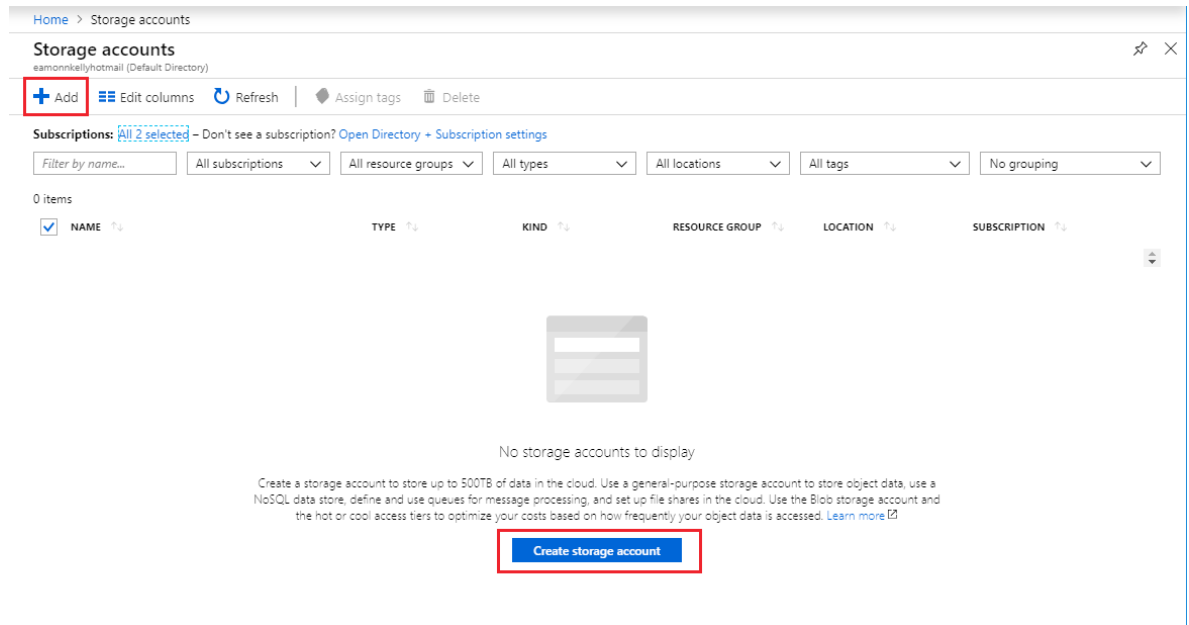
1. Sign in to the Azure portal at <https://portal.azure.com>²
2. Select **All services** on the upper left hand side of the Azure Portal. In the **All services** filter box, type **Storage Accounts**. As you begin typing, the list filters based on your input. Select **Storage Accounts**.



- 3.
4. On the **Storage Accounts** window that appears, if there are no storage accounts present you can select **Create storage account**, or if there are already storage accounts present, this option will not be present and you can choose the option **+ Add**.

¹ https://azure.microsoft.com/en-us/free/?ref=microsoft.com&utm_source=microsoft.com&utm_medium=docs&utm_campaign=visualstudio

² <https://portal.azure.com>



5.

6. Complete the Create storage account blade with the following details

Setting	Value
Subscription	< Select your subscription >
Resource group	Select Create new , enter strac-rg1 , then select OK .
Storage account name	< this must be be between 3-24 characters in length, can be numbers and lowercase only, and must be unique across Azure >
Location	East US
Performance	Standard
Account kind	Leave the default value StorageV2 (general purpose v2)*
Replication	Locally redundant storage (LRS)
Access tier (default)	Hot

Create storage account

Basics

Advanced

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](#)

PROJECT DETAILS

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

* Subscription

Pay-As-You-Go

* Resource group

(New) strac-rg1

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 ⓘ

* Location

West Europe

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 : Advanced >

7.

8. Select **Review + Create** to review your storage account settings and allow Azure to validate the configuration. Once validated select **Create**.

Create storage account

✓ Validation passed

Basics Advanced Tags Review + create

BASICS

Subscription	Pay-As-You-Go
Resource group	(new) strac-rg1
Location	East US
Storage account name	strac1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Locally-redundant storage (LRS)
Performance	Standard
Access tier (default)	Hot

ADVANCED

Secure transfer required	Enabled
Allow access from	All networks
Hierarchical namespace	Disabled

Create

Previous

Next

[Download a template for automation](#)

9.

10. Verify its successful creation by going to the resource group just created and locate the storage account.

strac-rg1
Resource group

Search (Ctrl+J)

+ Add Edit columns Delete resource group Refresh Move Assign tags Delete Export to CSV

Subscription (change)
Pay-As-You-Go

Subscription ID
974e6e39-73eb-48b0-9226-dae31425c367

Deployments
1 Succeeded

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

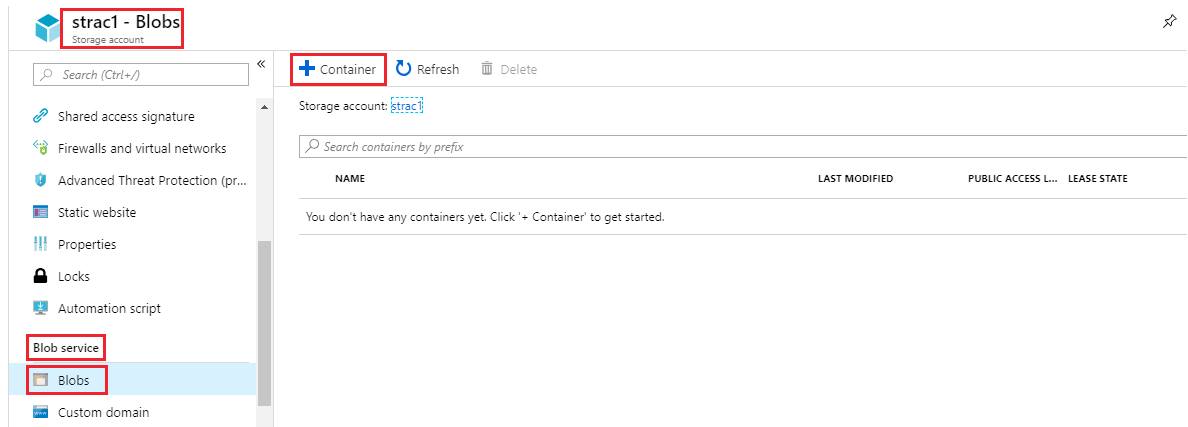
Filter by name... All types All locations No grouping

1 items ☐ Show hidden types

NAME	TYPE	LOCATION
strac1	Storage account	East US

11.

12. Open the storage account and scroll in the left menu for the storage account, scroll to the **Blob** service section, select **Blobs** and then select the **+ Container** button.



13.

14. Configure the blob container as below and select OK when complete to create the blob container.

Setting	Value
Name	i.e. blob1 The container name must be lowercase, must start with a letter or number, and can include only letters, numbers, and the dash (-) character.
public access level	leave the default value i.e. The default level is Private (no anonymous access)

New container

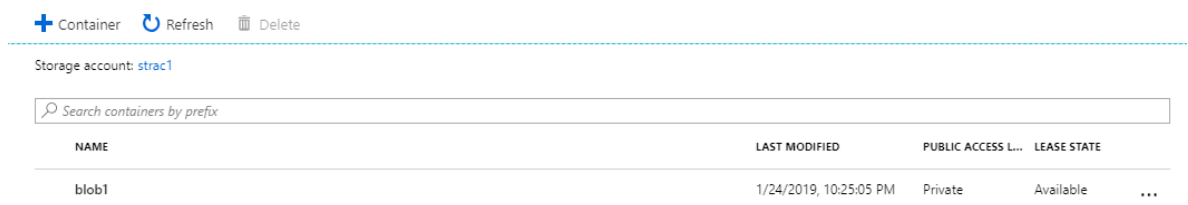
* Name
blob1 ✓

Public access level ⓘ
Private (no anonymous access) ▼

OK Cancel

15.

16. The container should be created and available



17.

18. We will upload a block blob to your new container. Select the container to show a list of blobs it contains. Since this container is new, it won't yet contain any blobs

blob1

Container

Overview

Access Control (IAM)

Settings

Access policy

Properties

Metadata

Upload

Refresh

Delete

Acquire lease

Break lease

View snapshots

Create snapshot

Location: blob1

☐ Show deleted blobs

NAME	MODIFIED	ACCESS TIER	BLOB TYPE	SIZE	LEASE STATE
No blobs found.					

Note: Block blobs consist of blocks of data assembled to make a blob. Most scenarios using Blob storage employ block blobs. Block blobs are ideal for storing text and binary data in the cloud, like files, images, and videos.

1. Create a `.txt` file on your local machine, named **blob1.txt**, and enter some text into it, such as `this is a blob file` or something like that.
2. Select the **Upload** button to upload a blob to the container. Browse your local file system to find the file you created in the previous steps to upload as a block blob, Click on the **Advanced** arrow, leave the default values as they are, just note them, and then select **Upload**.

Upload blob

blob1/

Files

☐ Overwrite if files already exist

Advanced

Authentication type

OAuth (preview)

SAS

Blob type

Block blob

☒ Upload .vhd files as page blobs (recommended)

Block size

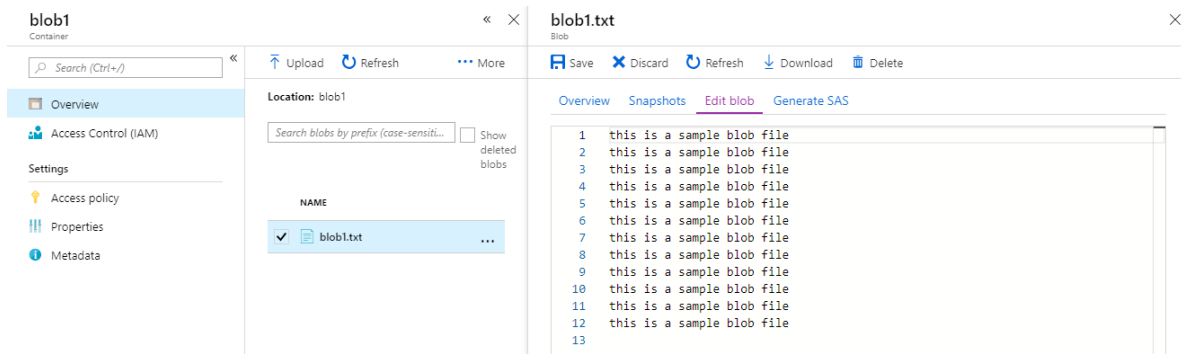
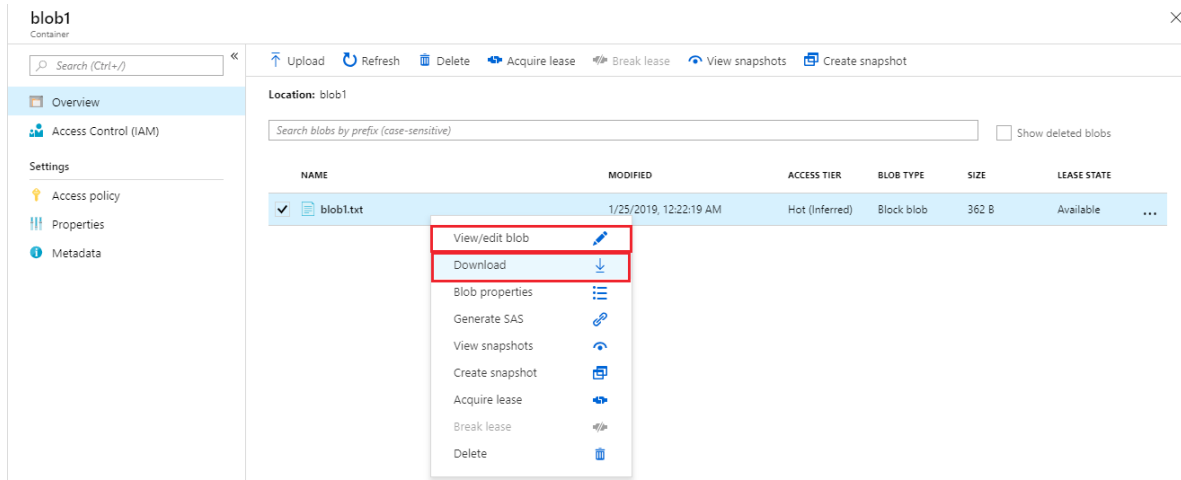
4 MB

Upload to folder

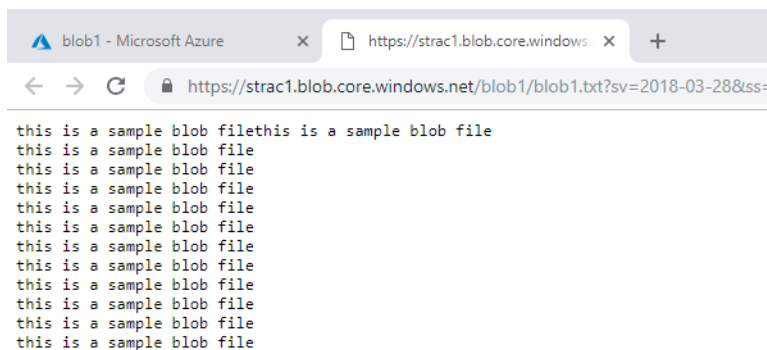
Upload

Note: You can upload as many blobs as you like in this way. You'll see that the new blobs are now listed within the container.

1. View the uploaded block blob by right clicking on the blob file that was uploaded and selecting **View/edit blob**



1. You can download a block blob by right clicking on the block blob and selecting **Download**. The blob file opens in a browser and is then downloadable by right clicking on the file and selecting save as



Congratulations! You have created a storage account, created a blob storage container within that storage account, then uploaded a block bob, viewed and edited the block blob in the blob container and then downloaded the block blob.

Note: Remember to delete the resources you have just deployed if you are no longer using them to ensure you do not incur costs for running resources. You can delete all deployed resources by deleting the resource group in which they all reside.