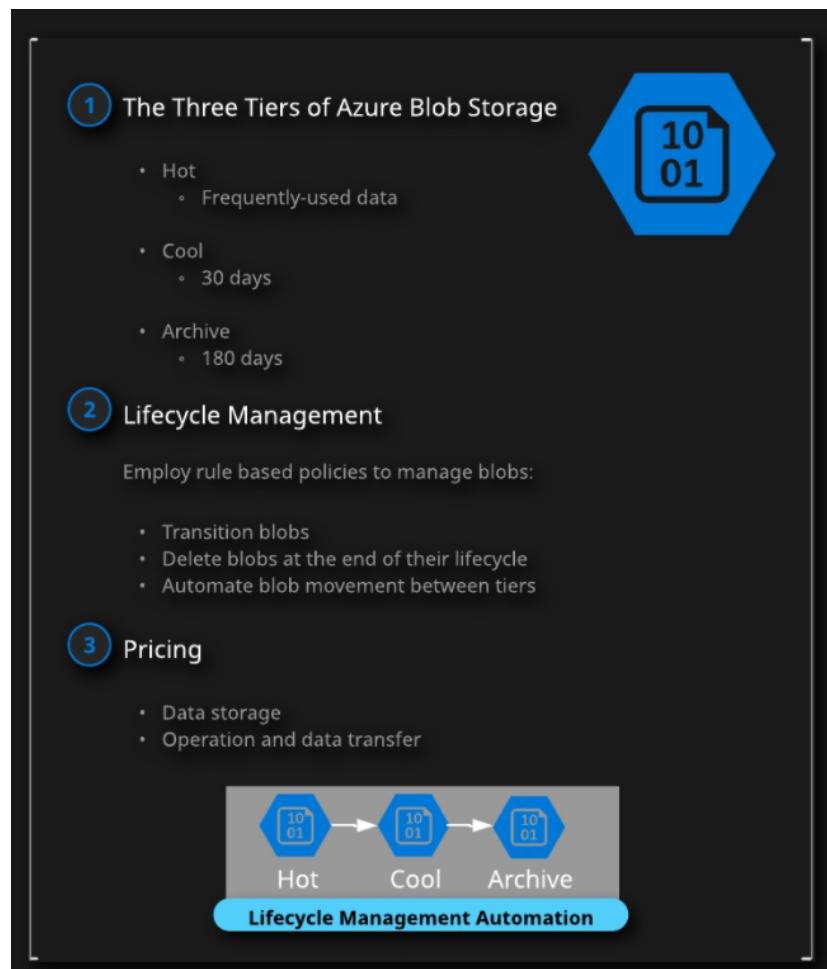


# Design a Data Retention Policy in Azure Blob

## Introduction

In this lab, we explore tiers (hot, cool, and archive) in Azure Blob. After completing this lab, there's the opportunity to explore automating the movement of blobs through tiers.



## Scenario

We work for a Fortune 500 company that is evaluating a move to the cloud. They would like to begin with cloud storage. They have a current footprint of 50 terabytes. An executive committee has been formed and we have been asked as a technical resource to evaluate how feasible it is to move to Azure Blob storage.

We've been asked to evaluate the following requirements:

- Provide hot storage for 5 terabytes of data.
- Provide cool storage for 15 terabytes of data.
- Provide archive storage for 30 terabytes of data.
- Design automation to move unused files from hot to cool storage that haven't been touched in 30 days.

- Design automation to move unused files from cool storage to archive that haven't been touched in 180 days.

## Create and Configure a Storage Account

1. Using the box at the top of the window, search for "Azure storage".
2. Click Storage accounts from the list of options.
3. Click Create storage account.
4. In the Resource group combo box, select the available option.
5. Enter a Storage account name in the box provided.
6. Click the combo box next to Location and choose the (US) West US option.
7. At the bottom of the window, click Next: Networking.
8. At the bottom of the window, click Next: Advanced. Verify that Hierarchical namespace is Disabled.
9. At the bottom of the window, click Next: Tags.
10. At the bottom of the window, click Next: Review + create.
11. Click Create.
12. Once deployment is complete, click Go to resource.

## Upload Data

1. Click Containers.
2. Click + Container.
3. Enter "test" in the Name box.
4. Click the Public access level combo box and select Blob (anonymous read access for blobs only).
5. Click OK.
6. Click the row for the container.
7. Open a new browser tab and navigate to GitHub:  
<https://github.com/microsoft/Windows-classic-samples>
8. Right-click the .gitattributes link and save the file.
9. Back in the Portal, click Upload.
10. Use the Files browser to find the gitattributes saved file.
11. Click Upload.
12. Close the accordian window by clicking the X in the top right corner.

## Reclassify the Data Access Tier

1. Click the ... at the end of the gitattributes row.
2. Select Change tier from the context menu.
3. Click the combo box and select Cool.
4. Click Save.

## **Configure Lifecycle Management**

1. Click the link for the container at the top of the window.
2. Under Blob service, click Lifecycle Management.
3. Click + Add rule.
4. Enter "test" in the Rule name box.
5. Click the checkbox next to Move blob to coll storage and enter a value of "30" into the Days after last modification box.
6. Click the checkbox next to Move blob to archive storage and enter a value of "180" into the Days after last modification box.
7. Click Next: Filter set.
8. Click Browse.
9. From the combo box, select test.
10. Click Select.
11. Select the checkbox next to test.
12. Click Next: Review + add.
13. Click Add.