Azure Assignment (AZ – 104- Module 2)

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Module 2
Assignment 1

Create 2 resource groups rg-1 and rg-2

2.Add storage account to rg-1

Create a storage account ···

Basics   Advanced   Networking   Data protection   Encryption   Tags   Review

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 *

| Azure Pass - Sponsorship (ab11f5e0-2bca-4991-880a-7ad65b479795) | ⌄ |

     Resource group *

| rg-1 | ⌄ |

Create new

Instance details

If you need to create a legacy storage account type, please click here.

Storage account name ⓘ *

| myrg1stgacc |

Region ⓘ *

| (Asia Pacific) Central India | ⌄ |

Performance ⓘ *

   ⦿ **Standard:** Recommended for most scenarios (general-purpose v2 account)

   ◯ **Premium:** Recommended for scenarios that require low latency.

Redundancy ⓘ *

| Locally-redundant storage (LRS) | ⌄ |

Review   < Previous   Next : Advanced >

3. Move storage account from rg-1 to rg-2

Assignment 2

1. Create 3 storage accounts with "Team" tags: team1, team2 and team3 respectively

Create a storage account ...

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

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the sa[me]
multiple resources and resource groups. Learn more about tags

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically update[d]

Name		Value		Resource	
Team	⌄	:	team3	⌄	All resources selected
	⌄	:		⌄	All resources selected

2. Create one more storage account for team2

3. List all resources for team2 using tags

Assignment 3

1. Create a File share in Azure Storage

2. Mount this file share on windows and linux

data
File share

Connect
data

Drive letter

Z

Authentication method

○ Active Directory
● Storage account key

ⓘ Connecting to a share using the storage account key is only appropriate for admin access. Mounting the Azure file share with the Active Directory identity of the user is preferred. Learn more

Hide Script

```
$connectTestResult = Test-NetConnection -ComputerName
team1stgacc.file.core.windows.net -Port 445
if ($connectTestResult.TcpTestSucceeded) {
    # Save the password so the drive will persist on reboot
    cmd.exe /C "cmdkey /add:`"team1stgacc.file.core.windows.net`"
/user:`"localhost\team1stgacc`"
/pass:`"7JrsySry+rkDYV+6WMa4xxSqM7Ky7lm9+Y0P0eqjAseZplSxTrlPe7wl2nZiQ4UF
F1N8lKaOE31v+AStIXXoUA==`""
    # Mount the drive
    New-PSDrive -Name Z -PSProvider FileSystem -Root
"\\team1stgacc.file.core.windows.net\data" -Persist
} else {
    Write-Error -Message "Unable to reach the Azure storage account via port 445.
Check to make sure your organization or ISP is not blocking port 445, or use Azure
P2S VPN, Azure S2S VPN, or Express Route to tunnel SMB traffic over a different
port."
}
```

Copied

This script will check to see if this storage account is accessible via TCP port 445, which is the port SMB uses. If port 445 is available, your Azure file share will be persistently mounted.

Name	Type
No files found.	

Settings
- Properties

Operations
- Snapshots
- Backup

Overview
Diagnose and solve problems
Access Control (IAM)

Connect | Upload | Add directory | Refresh | Delete share | Change tier | Edit quota

Assignment 4

1. Create a Storage account, and upload some files in Blob storage

mycontainer
Container

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

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

Search blobs by prefix (case-sensitive)   ○ Show deleted blobs

Add filter

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state	
☐ AZ104_Module-6.pdf	11/12/2022, 11:18:22 PM	Hot (Inferred)		Block blob	2.03 MiB	Available	···
☐ AZ104_Module-9.pdf	11/12/2022, 11:18:23 PM	Hot (Inferred)		Block blob	1.3 MiB	Available	···

Overview
Diagnose and solve problems
Access Control (IAM)

Settings
- Shared access tokens
- Access policy
- Properties
- Metadata

2. Create a CDN profile

3. Create an endpoint and connect to the Azure blob to access the files uploaded

Assignment 5

1. Create a storage account
2. Use the blob service and upload some files in it

3. Change the access tier to archive

mycontainer
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   Break lease   ⟳ View snapshots   Create snapshot

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

Search blobs by prefix (case-sensitive)

+ Add filter

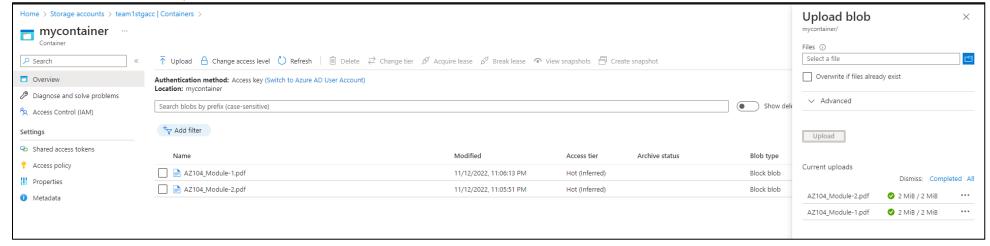|	Name	Modified	Access tier	Archive status	Blob
☑	📄 AZ104_Module-1.pdf	11/12/2022, 11:06:13 PM	Hot (Inferred)		Block
☐	📄 AZ104_Module-2.pdf	11/12/2022, 11:05:51 PM	Hot (Inferred)		Block

Change tier   ✕
AZ104_Module-1.pdf

Optimize storage costs by placing your data in the appropriate access tier. Learn more ↗

Access tier

Archive ▾

ⓘ Setting the access tier to "Archive" will make your blob inaccessible until it is rehydrated back to "Hot" or "Cool", which may take several hours.

---

mycontainer   ✕
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   Break lease   ⟳ View snapshots   Create snapshot

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

Search blobs by prefix (case-sensitive)   ⬤ Show deleted blobs

+ Add filter

	Name	Modified	Access tier	Archive status	Blob type	Size	Lease state	
☐	📄 AZ104_Module-1.pdf	11/12/2022, 11:06:13 PM	✓ Archive		Block blob	2.35 MiB	Available	⋯
☐	📄 AZ104_Module-2.pdf	11/12/2022, 11:05:51 PM	Hot (Inferred)		Block blob	2.19 MiB	Available	⋯