**AZ copy process (Upload/Download)**

**How to download backup from storage to local and restore in server**

**(if you also want to join the database to AG after refresh)**

• At first we need to check for the latest full backup and following log backups by using below script.

SELECT DISTINCT b.database\_name,b.type,b.backup\_start\_date,b.backup\_finish\_date,f.physical\_device\_name from msdb..backupset b join msdb..backupmediafamily f on b.media\_set\_id=f.media\_set\_id and b.type IN ('D') and b.database\_name='IV\_GCN\_PD' ORDER BY 3 DESC

GO

• After getting backup details need to check for the storage account and backup path in physical device name from the results.  
Example: <https://abcdsq1storage.blob.core.windows.net/full-bkup-block/IV_ACN_PD_20220410_203000_abcdSQ1_0.BAK>

• For log backups use below script.

SELECT DISTINCT b.database\_name,b.type,b.backup\_start\_date,b.backup\_finish\_date,f.physical\_device\_name from msdb..backupset b join msdb..backupmediafamily f on b.media\_set\_id=f.media\_set\_id and b.type IN ('L') and b.database\_name='IV\_GCN\_PD' ORDER BY 3 DESC

GO

• Check the physical device name in above result for storage account and backup name.

Example: https:// abcdsq1storage.sqbkpsto.blob.core.windows.net/tlog-bkup-block/IV\_ACN\_PD\_tlog\_20220410\_221500abcdSQ1\_0.trn

If there is a JIT system  
• Need to take JIT access for storage account to get the access key from Azure portal.

AZcopy  
• Open command prompt with run as administrator and change CMD to Azcopy by using below command.

(assume you put the azcopy file in a directory c:\programfile86..as below)

cd C:\Program Files (x86)\Microsoft SDKs\Azure\AzCopy

![A screenshot of a computer

Description automatically generated]()

• After changing CMD to AZ copy we need to execute below command to start download the backup file from storage account to server.

AzCopy /Source:<https://abcdsq1storage.blob.core.windows.net/full-bkup-block> /Dest:I:\HADRSync /SourceKey:J6K3GR6U1Rg1QeFRklDokbJaqJvS0u6cdWgWsvKk77EEsSzuO/kDz6rN2pqhq+22ubuO2GDmctNMcSJsnq4clw== /Pattern:"DBAdmin\_20220305\_203000\_abcdSQ1" /Y /S /V:I:\HADRSync\Azcopy.log

![A computer screen with text on it

Description automatically generated]()

A computer screen with text

Description automatically generated

How to upload backup file from local to storage

• Open command prompt with run as administrator and change CMD to Azcopy by using below command. Same as above.

cd C:\Program Files (x86)\Microsoft SDKs\Azure\AzCopy

• After changing CMD to AZ copy we need to execute below command to start upload the backup file from server to storage.

AzCopy /Source:I:\Newfolder /Dest:[https:// abcdsq1storage.blob.core.windows.net/tlog-bkup-block](https://gzeepmdtapd1sqbkpsto.blob.core.windows.net/tlog-bkup-block) /DestKey:R8K4GR5U1Rg1QeFRklDokbJaqJvS0u6cdWgWsvKk77EEsSzuO/kDz6rN2pqhq+22ubuO2GDmctNMcSJsnq4clw== /S

• After uploading process completed, we can see backup file in storage.