SQL Server MI Instance

* All backups are maintained by Microsoft not by users.

Access to Azure Blob Storage

First, you would need to store credentials that would be used to access Azure Blob Storage:

CREATE CREDENTIAL [https://myacc.blob.core.windows.net/testcontainer]

WITH IDENTITY='SHARED ACCESS SIGNATURE'

, SECRET = 'sv=2014-02-14&sr=c&sig=GV0T9y%2B9%2F9%2FLEIipmuVee3jvYj4WpvBblo%3D&se=2019-06-01T00%2A%3AZ&sp=rwdl';

Once you create a credential, you can back up any database using standard BACKUP T-SQL command:

BACKUP DATABASE tpcc2501

TO URL = 'https://myacc.blob.core.windows.net/testcontainer/tpcc2501.bak'

WITH COPY\_ONLY

Azure Blob Storage block blobs have 200GB size limitation. If your database is bigger than 200GB, you should use stripped backup by providing several URL locations where parts of the backup will be placed:

BACKUP DATABASE tpcc2501

TO URL = 'https://myacc.blob.core.windows.net/testcontainer/tpcc2501-4-1.bak',

URL = 'https://myacc.blob.core.windows.net/testcontainer/tpcc2501-4-2.bak',

URL = 'https://myacc.blob.core.windows.net/testcontainer/tpcc2501-4-3.bak',

URL = 'https://myacc.blob.core.windows.net/testcontainer/tpcc2501-4-4.bak'

WITH COPY\_ONLY

This way, every stripe will contain a part of the backup and you will not reach the 200GB limit. You can divide the size of your database with 200GB to find out how many stripes you would need.

## MAXTRANSFERSIZE

If you have a big database, it would be good to specify MAXTRANSFERSIZE=4194304 option:

Currently this is not supported with TDE encrypted databases, unless you use the BYOK feature. Are there any plans to support COPY\_ONLY backups for TDE databases in the future?

Restore DB in prod to another Db without TDE enabling, then move DB from one subscription to another using storage account back and restore.