Managing Storage Accounts

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Managing Storage Accounts
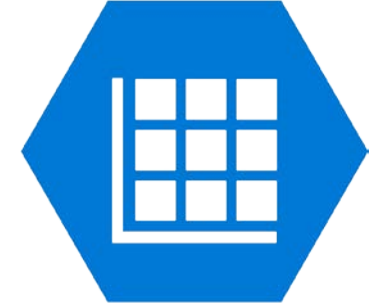
Blobs

Files

Queues

Tables

Create a new storage account

Upload blobs

Generate shared access signature

Download logs

Post a queue message

Demo

Create a storage account

Get the connection string

Demo

Create blob containers

Upload files

Generate shared access signatures

Why Automate Queues?
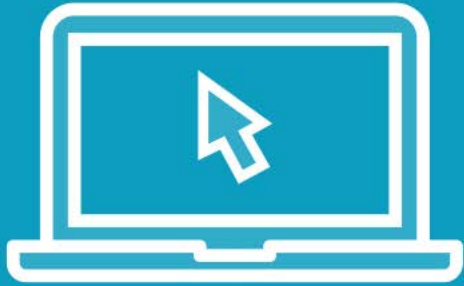
Create queues for an application

Post messages to trigger maintenance tasks

Retrieve messages from a "poison" queue

az storage queue

az storage message

Demo

Create a table

Add a row to the table

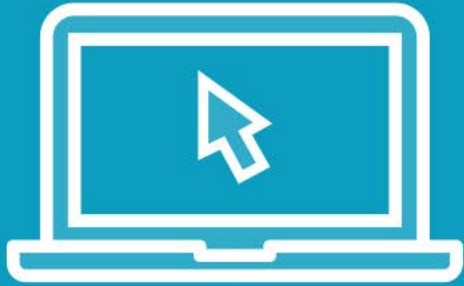Query the table

Update table rows

az storage table

az storage entity

Demo

Create a file share

Upload a file

List file share contents

az storage share

az storage file

az storage directory

Managing Storage Accounts with the Azure CLI

```
az storage account create
-n MyStorageAccount
-g MyResourceGroup
-l westeurope
--sku Standard_LRS

az storage account
   show-connection-string
-g MyResourceGroup
-n MyStorageAccount
--query connectionString
-o tsv


export
AZURE_STORAGE_CONNECTION_STRING
= $MyConnectionString
```

◄ Create a storage account

◄ Specify the SKU

◄ Get the connection string

◄ Store connection string in environment variable

```
az storage container create
-n myContainerName
--public-access off


az storage blob upload
-c myContainerName
-f fileToUpload
-n blobName


az storage blob generate-sas
-c myContainerName
-n blobName
--permissions r
--expiry 2017-10-15T21:00Z
```

◄ Create a blob container

◄ Specify access level

◄ Upload a file

◄ Generate a SAS token

◄ Token expiry time

```
az storage queue create                    ◄ Create a queue
-n myQueueName


az storage message put                     ◄ Post a message
--content "Hello World"
-q myQueueName


az storage message get                     ◄ Get a message from the queue
-q myQueueName
--visibility-timeout 60                     ◄ Visibility timeout


az storage message delete                  ◄ Delete a message from the
-q myQueueName                                queue
--id myMessageId
--pop-receipt myPopReceipt
```

```
az storage table create                    ◄ Create a table
-n myTableName


az storage entity insert                    ◄ Insert a new entity
-t myTableName
-e PartitionKey="MyPartitionKey"            ◄ Provide partition and row keys
   RowKey="MyRowKey"
   CustomField1=100                         ◄ Custom fields


az storage entity query                     ◄ Query the table
-t myTableName
--filter 'customField1 eq 100'              ◄ Custom filter


az storage entity merge                     ◄ Update a row
-t tableName
-e PartitionKey="MyPartitionKey"            ◄ Identity of row to update
   RowKey="MyRowKey"
   CustomField1=200                         ◄ Updated fields
```

```
az storage share create
-n myShareName
--quota 20


az storage file upload
-s myShareName
--source fileToUpload
-p pathToUploadTo


az storage file list
-s myShareName
```

◄ Create a file share

◄ Share size in GB

◄ Upload a file

◄ List files in share

Up next ...

Managing Web Apps and SQL Databases with the Azure CLI