

Solution of the project along with screenshots:-

1. Create Resource Group

Home > cloud-shell-storage-centralindia

cloud-shell-storage-centralindia

Search (Ctrl+/)

Overview

Activity log

Access control (IAM)

Tags

Events

Settings

Deployments

Security

Policies

Properties

Locks

Cost Management

Cost analysis

Cost alerts (preview)

Essentials

Subscription (change): Azure for Students

Subscription ID: 14b18aba-1987-4aa5-a94b-d9b136969abf

Tags (change): Click here to add tags

Deployments: 5 Succeeded

Location: Central India

Filter for any field...

Type == all

Location == all

Add filter

Showing 1 to 5 of 5 records

Show hidden types

No grouping

List view

Name	Type	Location
datafactorycsv	Storage account	East US
newsenr21	SQL server	Central India
projectdemo1	Data factory (V2)	Central India
projectdemo1 (newsenr21/projectdemo1)	SQL database	Central India
sqlva5wiczufendtpq	Storage account	Central India

2. Create Blob Storage Account

Home > cloud-shell-storage-centralindia > datafactorycsv

datafactorycsv

Storage account

Search (Ctrl+/)

Open in Explorer

Delete

Move

Refresh

Feedback

Microsoft recommends upgrading to the new alerts platform to ensure no interruptions in your alerts. Classic alerts will be retired starting in 2021. Upgrade to the new alerts platform. [Learn more](#)

Essentials

Resource group (change): cloud-shell-storage-centralindia

Location: East US

Secondary location: West US

Subscription (change): Azure for Students

Subscription ID: 14b18aba-1987-4aa5-a94b-d9b136969abf

Disk state: Primary: Available, Secondary: Available

Performance/Access tier: Standard/Hot

Replication: Read-access geo-redundant storage (RA-GRS)

Account kind: StorageV2 (general purpose v2)

Provisioning state: Succeeded

Created: 6/13/2021, 6:18:07 PM

Tags (change):

Properties

Monitoring

Capabilities (7)

Recommendations

Tutorials

Developer Tools

Blob service

Hierarchical namespace: Disabled

Default access tier: Hot

Blob public access: Enabled

Security

Secure transfer required: Enabled

Storage account key access: Enabled

Minimum TLS version: Version 1.2

a. Upload the file

Home > cloud-shell-storage-centralindia > datafactorycsv > csvdatafactory

csvdatafactory

Container

Search (Ctrl+/)

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: csvdatafactory

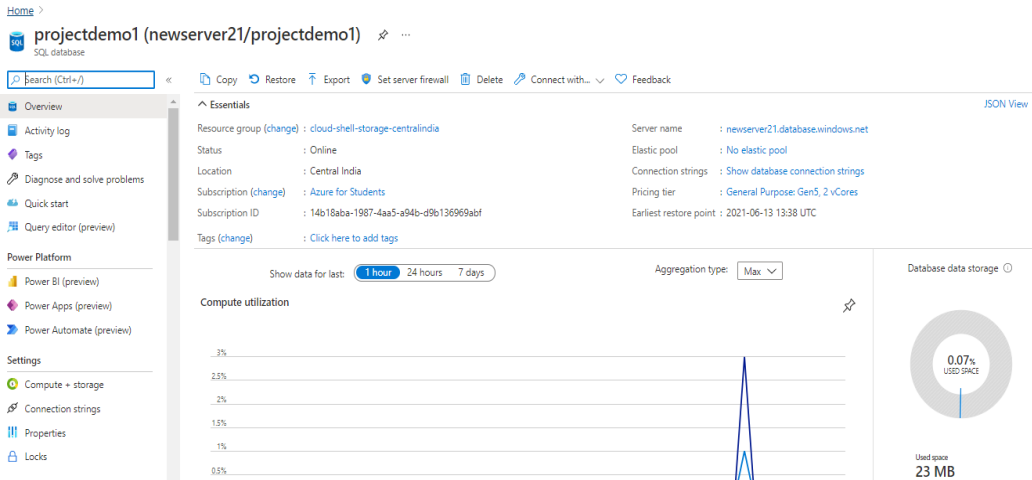
Search blobs by prefix (case-sensitive)

Show deleted blobs

Add filter

Name	Modified	Access tier	Blob type	Size	Lease state
world-cities.csv	6/13/2021, 7:55:17 PM	Hot (Inferred)	Block blob	874.6 KiB	Available

3. Create SQL Database



4. Create Data Factory

a. Create copy data pipeline

Microsoft Azure | Data Factory | projectdemo1

Search

Data Factory | Validate all | Publish all

Factory Resources

Filter resources by name

Pipeline 1

Dataset 2

AzureSqlTable1

DelimitedText1

Data flows 0

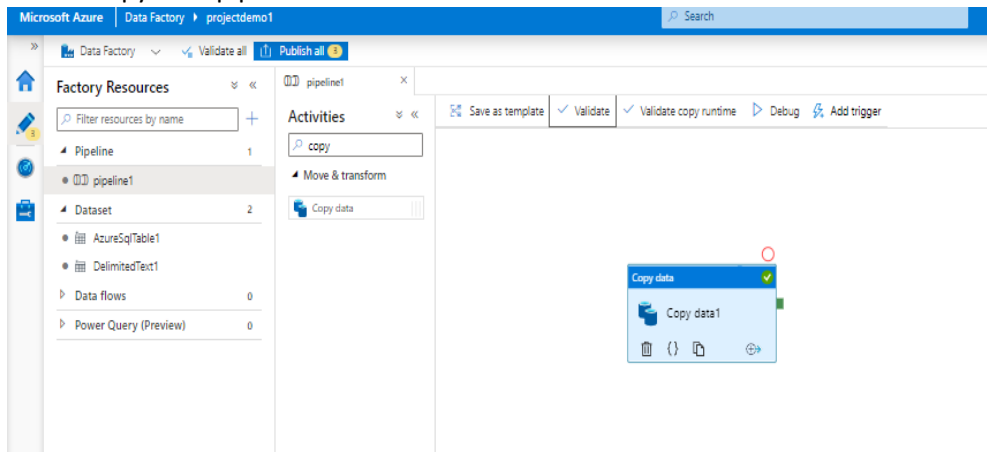
Power Query (Preview) 0

Activities

Save as template | Validate | Validate copy runtime | Debug | Add trigger

Copy data

Copy data1



b. Create source as blob storage

Microsoft Azure | Data Factory | projectdemo1

Search

Data Factory | Validate all | Publish all

Factory Resources

Filter resources by name

Pipeline 1

Dataset 2

AzureSqlTable1

DelimitedText1

Data flows 0

Power Query (Preview) 0

DelimitedText1

DelimitedText1

CSV

Connection Schema Parameters

Linked service * AzureBlobStorage2 Test connection Edit + New Learn more

File path * csvdatafactory / Directory / world-cities.csv Browse Preview data

Compression type None

Column delimiter Comma (,) Edit

Row delimiter Default (\r\n, or \r\n) Edit

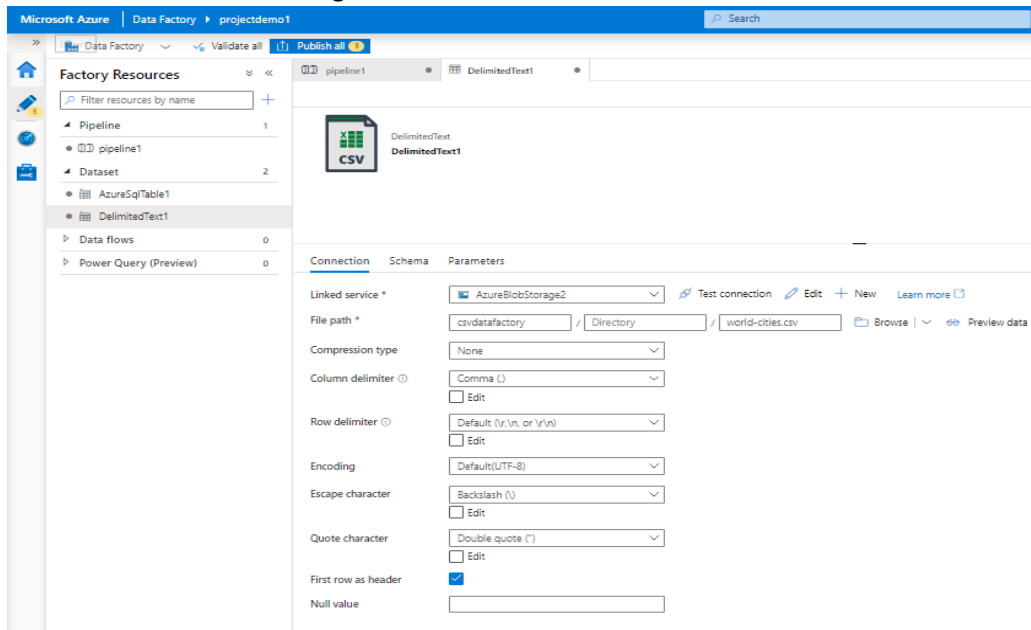
Encoding Default(UTF-8)

Escape character Backslash (\) Edit

Quote character Double quote (") Edit

First row as header ☒

Null value



c. Create sink as SQL database table

Microsoft Azure | Data Factory | projectdemo1

Factory Resources

- Pipeline: 1
 - pipeline1
- Dataset: 2
 - AzureSqlTable1
 - DelimitedText1
- Data flows: 0
- Power Query (Preview): 0

Connection Schema Parameters

Linked service * ▼ AzureSqlDatabase4 Test connection Edit + New Learn more

Table ▼ projectdemo1.new Refresh Preview data

☐ Edit

d. Debug the pipeline

Parameters Variables Settings **Output**

Pipeline run ID: d02351fc-56c6-441f-9d3a-8ce883c501ba View debug run consumption

Name	Type	Run start	Duration	Status	Integration runtime	Run ID
Copy data1	Copy data	2021-06-13T15:09:01.751	00:00:10	✓ Succeeded	DefaultIntegrationRuntime (Central India)	db2f1fd5-9e6a-4d...

e. Validate the pipeline

DelimitedText1 AzureSqlTable1

Save as template ✓ Validate ▶ Debug ⚙ Add trigger

Copy data1

Properties

General Related

Name *

Description

Annotations + New

Parameters Variables Settings **Output**

Pipeline run ID: d02351fc-56c6-441f-9d3a-8ce883c501ba View debug run consumption

Name	Type	Run start	Duration	Status
Copy data1	Copy data	2021-06-13T15:09:01.751	00:00:10	✓ Succeeded

Your pipeline has been validated.
No errors were found.