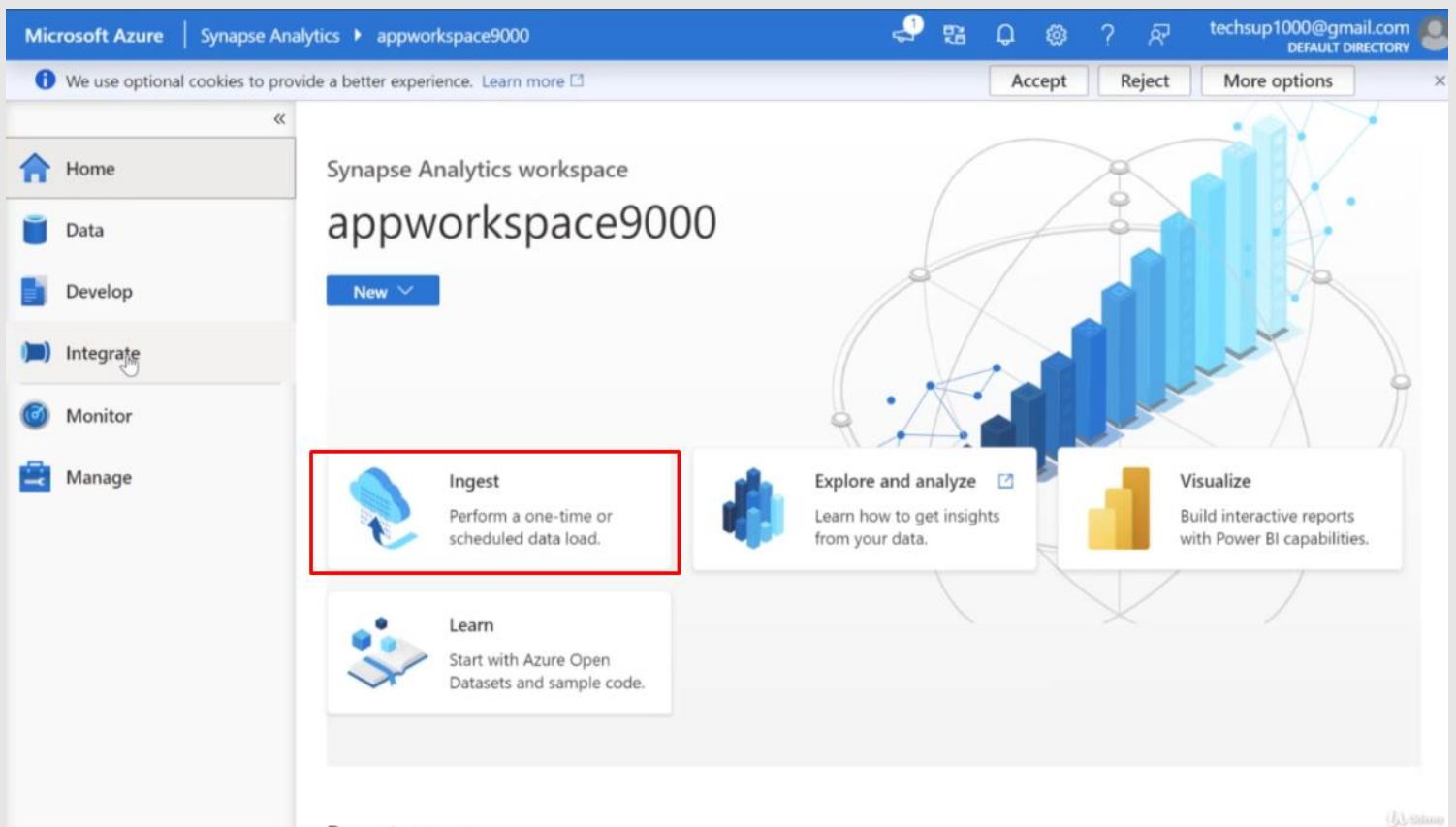


Azure Data Factory Copiar datos desde Azure Data Lake Storage a un Dedicated SQL Pool



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DEFAULT DIRECTORY

Copy Data tool

1 Properties

2 Source

3 Target

4 Settings

5 Review and finish

Use Copy Data Tool to perform a one-time or scheduled data load from 90+ data sources. Follow the wizard experience to specify your data loading settings, and let the Copy Data Tool generate the artifacts for you, including pipelines, datasets, and linked services. [Learn more](#)

Properties

Select copy data task type and configure task schedule

Task cadence or task schedule *

☒ Run once now ☐ Schedule ☐ Tumbling window

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Cancel

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Copy Data tool

✓ Properties

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4 Settings

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Source data store

Specify the source data store for the copy task. You can use an existing data store connection or specify a new data store.

Source type

Connection *

+ Create new connection

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Cancel

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Copy Data tool

1 Properties

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7 Review and finish

Source data store

Specify the source data store for the

Source type

All

Connection *

Select

New connection

Search

All

Azure

Database

File

Generic protocol

NoSQL

Services and apps

Azure Blob Storage

Azure Cosmos DB (MongoDB API)

Azure Cosmos DB (SQL API)

Azure Data Explorer (Kusto)

Azure Data Lake Storage Gen1

Azure Data Lake Storage Gen2

Azure Database for MySQL

Azure Database for PostgreSQL

Azure Database for Redis

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Source data store

Specify the source data store for the

Source type

All

Connection *

Select

New connection (Azure Data Lake Storage Gen2)

Name *

AzureDataLakeStorage

Description

Connect via integration runtime * ⓘ

AutoResolveIntegrationRuntime

Authentication method

Account key

Account selection method ⓘ

☒ From Azure subscription

☐ Enter manually

Azure subscription ⓘ

Test Environment (20c6eec9-2d80-4700-b0f6-4fde579a8783)

Storage account name *

datalake2000

Test connection ⓘ

☒ To linked service

☐ To file path

Annotations

+ New

Parameters

Advanced ⓘ

< Previous

Next >

Create

Back

Test connection

Cancel

data: contenedor

raw: directorio

Log.csv: archivo a copiar

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Copy Data tool

- ✓ Properties
- 2 Source
- Dataset
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- 5 Review and finish

Source data store

Specify the source data store for the copy task. You can use an existing data store connection or specify a new data store.

Source type: All

Connection *: AzureDataLakeStorage [Edit](#) [+ Create new connection](#)

File or folder
If the identity you use to access the data store only has permission to subdirectory instead of the entire account, specify the path to browse.

data/raw/Log.csv [Browse](#)

Options

- ☐ Binary copy ⓘ
- ☐ Recursively ⓘ
- ☐ Enable partition discovery ⓘ



Max concurrent connections ⓘ

Filter by last modified

Start time (UTC) End time (UTC) ⓘ

< Previous **Next >** Cancel

Copy Data tool

 Properties 2 Source Dataset Configuration 3 Target Dataset Configuration 3 Target 4 Settings 5 Review and finish 5 Review and finish

File format settings

File format ⓘ

Text format

Detect text format

 Preview data

Column delimiter

Comma (,)

☐ Edit

Row delimiter

Default (\r,\n, or \r\n)

☐ Edit☒ First row as header ⓘ

Advanced ⓘ

Skip line count ⓘ

0

Escape character ⓘ

Backslash (\)

☐ Edit

Quote character ⓘ

Double quote (")

☐ Edit

Null value ⓘ

Encoding ⓘ

Default(UTF-8)

Compression type

None

Additional columns ⓘ

+ New

< Previous

Next >

Cancel

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Copy Data tool

✓ Properties

✓ Source

3 Target

• Dataset

○ Configuration

4 Settings

5 Review and finish

Destination data store

Specify the destination data store for the copy task. You can use an existing data store connection or specify a new data store.

Target type

All

Connection *

Select...

+ Create new connection

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Cancel

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DEFAULT DIRECTORY

Copy Data tool

✓ Properties

✓ Source

3 Target

• Dataset

○ Configuration

4 Settings

5 Review and finish

Destination data store

Specify the destination data store for the copy task. You can use an existing data store connection or specify a new data store.

Target type

All

Connection *

Select...

New connection

Search

AllAzureDatabaseFileGeneric protocolNoSQLServices and apps

MySQL

PostgreSQL

Lake

Azure File Storage

Azure SQL Database

Azure SQL Database Managed Instance

Azure Search

Azure Synapse Analytics

Azure Table Storage

< Previous

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Continue

Cancel

Authentication type: son las credenciales del workspace de Azure Synapse, usuario y contraseña

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Copy Data tool

- Properties
- Source
- Target
- Dataset
- Configuration
- Source
- Target
- Dataset
- Configuration
- Target
- Dataset
- Configuration
- Settings
- Review and finish

Destination data store

Specify the destination data store for

Target type: All

Connection * Select

New connection (Azure Synapse Analytics)

Name * AzureSynapseAnalytics

Description

Connect via integration runtime * AutoResolveIntegrationRuntime

Connection string Azure Key Vault

Account selection method

☒ From Azure subscription ☐ Enter manually

Azure subscription Test Environment (20c6eec9-2d80-4700-b0f6-4fde579a8783)

Server name * appworkspace9000 (Synapse workspace)

Database name * newpool

Authentication type * SQL authentication

User name * sqladminuser

Password Azure Key Vault

Password *

Add dynamic content [Alt+Shift+D]

Additional connection properties

+ New

Annotations

+ New

Parameters

Advanced

< Previous Next > Create Back Test connection Cancel

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Recordar que los archivos de texto (en este caso, Log.csv) no almacenan un tipo de dato, sino, que siempre son STRING. Lo estamos tomando de la fuente que es el Azure Data Lake Storage.

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Copy Data tool

- ✓ Properties
- ✓ Source
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- 5 Review and finish

Column mapping

Choose how source and destination columns are mapped

| Source | Type | Destination |
|---------------|--------|---------------|
| Id | String | Id |
| Correlationid | String | Correlationid |
| Operationname | String | Operationname |
| Status | String | Status |
| Eventcategory | String | Eventcategory |
| Level | String | Level |

Azure Synapse Analytics sink properties

Pre-copy script

< Previous Next > Cancel

En el destino tomará los tipos de datos que tendrá, en este ejemplo, la tabla a la cual se copiaran los datos de este archivo de texto.

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Column mapping

Choose how source and destination columns are mapped

| | Destination | Type |
|------|---------------|---------|
| ring | Id | int |
| ring | Correlationid | varchar |
| ring | Operationname | varchar |
| ring | Status | varchar |
| ring | Eventcategory | varchar |
| ring | Level | varchar |

S

```

6
7 CREATE TABLE [logdata]
8 (
9     [Id] [int] ,
10    [Correlationid] [varchar](200) ,
11    [Operationname] [varchar](200) ,
12    [Status] [varchar](100) ,
13    [Eventcategory] [varchar](100) ,
14    [Level] [varchar](100) ,
15    [Time] [datetime] ,
16    [Subscription] [varchar](200) ,
17    [Eventinitiatedby] [varchar](1000) ,
18    [Resourcetype] [varchar](1000) ,
19    [Resourcegroup] [varchar](1000)
20 )

```

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Copy Data tool

- Properties
- Source
- Target
- Settings**
- Review and finish

Settings

Enter name and description for the copy data task, more options for data movement

Task name *

Task description

Data consistency verification ☐

Fault tolerance

Enable logging ☐

Enable staging ☒

Staging settings

Staging account linked service * [Test connection](#) [Edit](#) [New](#)

Storage Path [Browse](#)

Enable Compression ☐

Advanced

Copy method ☒ PolyBase ☐ Copy command ☐ Bulk insert

Allow PolyBase ☒

Reject type

Reject value

Use type default ☒

Data integration unit

☐ Edit

You will be charged # of used DIUs * copy duration * \$0.25/DIU-hour. Local currency and separate discounting may apply per subscription type. [Learn more](#)

Degree of copy parallelism

☒ Edit

< Previous **Next >** Cancel

Nos devuelve el siguiente error:

Microsoft Azure | appfactory5000

Copy Data tool

Properties

Source

Target

Settings

Review and finish

Settings

Enter name and description for the copy data task, more options for data movement

Copy method ☒ PolyBase ☐ Copy command ☐ Bulk insert

Allow PolyBase ☒

Reject type Value

Reject value 0

Use type default ☒

Data integration unit Auto

☐ Edit

You will be charged # of used DIUs * copy duration * \$0.25/DIU-hour. Local currency and separate discounting may apply per subscription type. [Learn more](#)

Degree of copy parallelism

✖ Polybase cannot be used together with type conversion, disable polybase or go back to the column mapping page to disable type conversion.

< Previous Next > Cancel

Para solucionarlo: Primero desactivo la casilla indicada

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Copy Data tool

Properties

Source

Target

Dataset

Configuration

Settings

Review and finish

Column mapping

Choose how source and destination columns are mapped

Table mappings (1)

Type conversion ☐

☒ Source
Azure Data Lake Storage Gen2 file
Target
dbo.logdata

Column mappings

+ New mapping Clear Reset Delete

| Source | Type |
|---------------|------------|
| Id | abc String |
| Correlationid | abc String |

Azure Synapse Analytics sink properties

Pre-copy script

Advanced

< Previous Next > Cancel

Tengo que indicar manualmente el tipo de campo que necesito desde el SOURCE, para que haga match con el tipo de dato del DESTINO:

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Copy Data tool

- Properties
- Source
- Target**
- Dataset
- Configuration
- Settings
- Review and finish

Column mapping

Choose how source and destination columns are mapped

1 mappings

1 mapping Clear Reset Delete

| Source | Type | Destination |
|---------------|------------|-------------------------|
| Id | 123 Int32 | Id |
| Correlationid | abc String | Correlationid (varchar) |
| Operationname | abc String | Operationname (varc... |
| Status | abc String | Status (varchar) |
| Eventcategory | abc String | Eventcategory (varchar) |
| Level | abc String | Level (varchar) |

Synapse Analytics sink properties

< Previous Next > Cancel

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Copy Data tool

- Properties
- Source
- Target**
- Dataset
- Configuration
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- Review and finish

Column mapping

Choose how source and destination columns are mapped

| | | |
|------------------|------------|---------------------------|
| Operationname | abc String | Operationname (varc... |
| Status | abc String | Status (varchar) |
| Eventcategory | abc String | Eventcategory (varchar) |
| Level | abc String | Level (varchar) |
| Time | DateTime | Time (datetime) |
| Subscription | abc String | Subscription (varchar) |
| Eventinitiatedby | abc String | Eventinitiatedby (varc... |
| Resourcetype | abc String | Resourcetype (varchar) |
| Resourcegroup | abc String | Resourcegroup (varc... |

re Synapse Analytics sink properties

< Previous Next > Cancel

Luego, selecciono **Continuar** hasta el final del proceso:


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Copy Data tool

- Properties
- Source
- Target
- Settings
- Review and finish**
- Review
- Deployment

Summary

You are running pipeline to copy data from Azure Data Lake Storage Gen2 to Azure Synapse Analytics.



Properties

Task name: LogcsvToSynapse

Task description:

Source

Connection name: AzureDataLakeStorage

Dataset name: SourceDataset_eo1

Column delimiter: ,

Escape character: \

< Previous **Next >** Cancel

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Copy Data tool

- Properties
- Source
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- Review and finish**
- Review
- Deployment

Deployment complete

▸ Validate copy runtime environment ✓

| Deployment step | Status |
|----------------------|-------------|
| > Creating datasets | Succeeded ✓ |
| > Creating pipelines | Succeeded ✓ |
| > Running pipelines | Succeeded ✓ |

Datasets and pipelines have been created. You can now monitor and edit the copy pipelines or click finish to close Copy Data Tool.

Finish Edit pipeline Monitor