

Crear un Dedicated SQL Pool

Primera forma: Desde el recurso de Azure Synapse → Overview → New dedicated SQL pool

The screenshot shows the Microsoft Azure portal interface. At the top, the header includes the Microsoft Azure logo, a search bar, and user information for 'techsup1000@gmail.com'. The main content area is titled 'appworkspace9000' and 'Synapse workspace'. A red box highlights the '+ New dedicated SQL pool' button in the top navigation bar. Below this, the 'SQL pools' section is visible, showing details for a resource group named 'data-grp'. The details include status, location, subscription, and various endpoints. The left sidebar contains navigation links for Tags, Diagnose and solve problems, Settings, SQL Active Directory admin, Properties, Locks, Analytics pools, SQL pools, Apache Spark pools, Security, Encryption, and Firewalls.

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appworkspace9000
Synapse workspace

Search (Ctrl+/)

+ New dedicated SQL pool + New Apache Spark pool Refresh Reset SQL admin password ...

Tags

Diagnose and solve problems

Settings

SQL Active Directory admin

Properties

Locks

Analytics pools

SQL pools

Apache Spark pools

Security

Encryption

Firewalls

Resource group (change)
data-grp

Status
Succeeded

Location
North Europe

Subscription (change)
Test Environment

Subscription ID
20c6eec9-2d80-4700-b0f6-4fde579a8783

Managed virtual network
No

Managed Identity object ID
e9951814-9161-4347-997f-6c970554a175

Workspace web URL
<https://web.azuresynapse.net?workspace=%2fs...>

Tags (change)
[Click here to add tags](#)

Firewalls
[Show firewall settings](#)

Primary ADLS Gen2 account URL
<https://synapsedatalake10001.dfs.core.windows....>

Primary ADLS Gen2 file system
data

SQL admin username
sqladminuser

SQL Active Directory admin
live.com#techsup1000@gmail.com

Dedicated SQL endpoint
appworkspace9000.sql.azuresynapse.net

Serverless SQL endpoint
appworkspace9000-ondemand.sql.azuresynaps...

Development endpoint
<https://appworkspace9000.dev.azuresynapse.net>

Segunda forma: Desde el recurso de Azure Synapse → Analytics / SQL pools → New

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information (techsup1000@gmail.com). The left sidebar contains various navigation icons. The main content area displays the 'appworkspace9000 | SQL pools' page. A red box highlights the '+ New' button in the top right corner of the main content area. Below this, there is a search bar and a table with columns: Name, Type, Status, Size, and an ellipsis menu. The table contains one row with the value 'Built-in' under Name, 'Serverless' under Type, 'N/A' under Status, and 'Auto' under Size.

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appworkspace9000 | SQL pools ...

Synapse workspace

Search (Ctrl+ /)

+ New Refresh Assign tags Delete

Search to filter items...

Name	Type	Status	Size
Built-in	Serverless	N/A	Auto

The screenshot shows the 'Create dedicated SQL pool' wizard in the Microsoft Azure portal. The top navigation bar is the same as the previous screenshot. The left sidebar is also the same. The main content area displays the 'Create dedicated SQL pool' page. The 'Basics' tab is selected. The page contains a form with the following fields: 'Dedicated SQL pool name' (with the value 'newpool' and a green checkmark), 'Performance level' (with a slider and the value 'DW100c'), and 'Estimated price' (with the value '1.39 USD'). The 'Review + create' button is highlighted in blue.

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Create dedicated SQL pool ...

* Basics * Additional settings Tags Review + create

Create a dedicated SQL pool with your preferred configurations. Complete the Basics tab then go to Review + Create to provision with smart defaults, or visit each tab to customize. [Learn more](#)

Dedicated SQL pool details

Name your dedicated SQL pool and choose its initial settings.

Dedicated SQL pool name * newpool

Performance level DW100c

Estimated price Est. Cost Per Hour 1.39 USD View pricing details

Review + create Next: Additional settings >

Desde Azure Synapse Studio → Refrescamos →

The screenshot shows the Azure Synapse Studio interface. On the left, the 'Data' workspace is active, displaying a list of databases: 'newpool (SQL)' and 'appdb (SQL)'. A red arrow points to 'newpool (SQL)'. The right pane shows a SQL query titled 'ExternalTable' with the following code:

```
1 -- Lab - Using External tables
2
3 -- First we need to create a database in the serverless pool
4 CREATE DATABASE [appdb]
5
6 -- Here we are creating a database master key.
7 -- This key will be used to protect the Shared Access Signature
8 -- Ensure to switch the context to the new database first
9
10 CREATE MASTER KEY ENCRYPTION BY PASSWORD = 'P@ssw0rd@123';
11
12 -- Here we are using the Shared Access Signature to authorize
13
14 CREATE DATABASE SCOPED CREDENTIAL SasToken
15 WITH IDENTITY='SHARED ACCESS SIGNATURE'
```

Below the query, the 'Results' pane shows a table with the following data:

Operationname	Operation Count
StartSlotWarmup	1

The status bar at the bottom indicates '00:00:01 Query executed successfully.'

También tenemos la opción de crear EXTERNAL TABLES en un Dedicated SQL Pool:

The screenshot shows the Azure Synapse Studio interface. On the left, the 'Data' workspace is active, displaying a list of databases: 'newpool (SQL)' and 'appdb (SQL)'. Under 'newpool (SQL)', there is a folder named 'Tables'. A red arrow points to 'Tables'. The right pane shows the same SQL query as the previous screenshot:

```
1 -- Lab - Using External tables
2
3 -- First we need to create a database in the serverless pool
4 CREATE DATABASE [appdb]
5
6 -- Here we are creating a database master key.
7 -- This key will be used to protect the Shared Access Signature
8 -- Ensure to switch the context to the new database first
9
10 CREATE MASTER KEY ENCRYPTION BY PASSWORD = 'P@ssw0rd@123';
11
12 -- Here we are using the Shared Access Signature to authorize
13
14 CREATE DATABASE SCOPED CREDENTIAL SasToken
15 WITH IDENTITY='SHARED ACCESS SIGNATURE'
```

Below the query, the 'Results' pane shows a table with the following data:

Operationname	Operation Count
StartSlotWarmup	1

The status bar at the bottom indicates '00:00:01 Query executed successfully.'