



[Date]

How to import your ergastF1 dump in:

MySQL, PostGreSQL, SQL server

Document object

This document describes the procedure for importing Ergast F1 database dumps into different database management systems for pedagogical reuse. It covers MySQL, PostgreSQL, and Microsoft Azure SQL Server BACPAC imports.

1. Importing MySQL Dump

Tool: MySQL Workbench (<https://www.mysql.com/products/workbench/>)



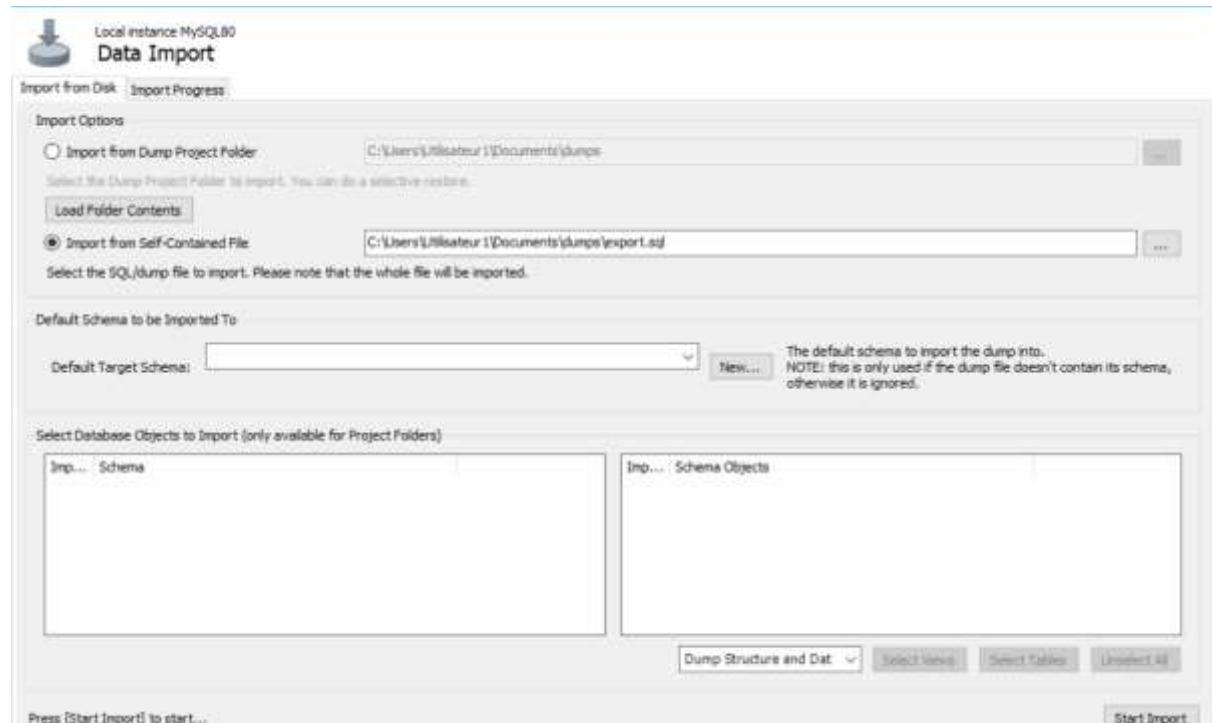
The screenshot shows the MySQL website homepage. At the top, there's a search bar and navigation links for 'MYSQL.COM', 'DOWNLOADS', 'DOCUMENTATION', and 'DEVELOPER ZONE'. Below this is a blue navigation bar with links for 'Products', 'Services', 'Partners', 'Customers', 'Why MySQL?', 'News & Events', and 'How to Buy'. On the left, a sidebar lists products: 'MySQL HeatWave', 'MySQL AI', 'MySQL Enterprise Edition' (which is highlighted with a blue background), 'Datasheet (PDF)', and 'Technical Specification'. To the right, the main content area features the 'MySQL Workbench' logo and the text 'Enhanced Data Migration'. A 'Download Now »' button is visible, along with a screenshot of the MySQL Workbench interface showing multiple windows for managing databases and data.

Open MySQL Workbench.

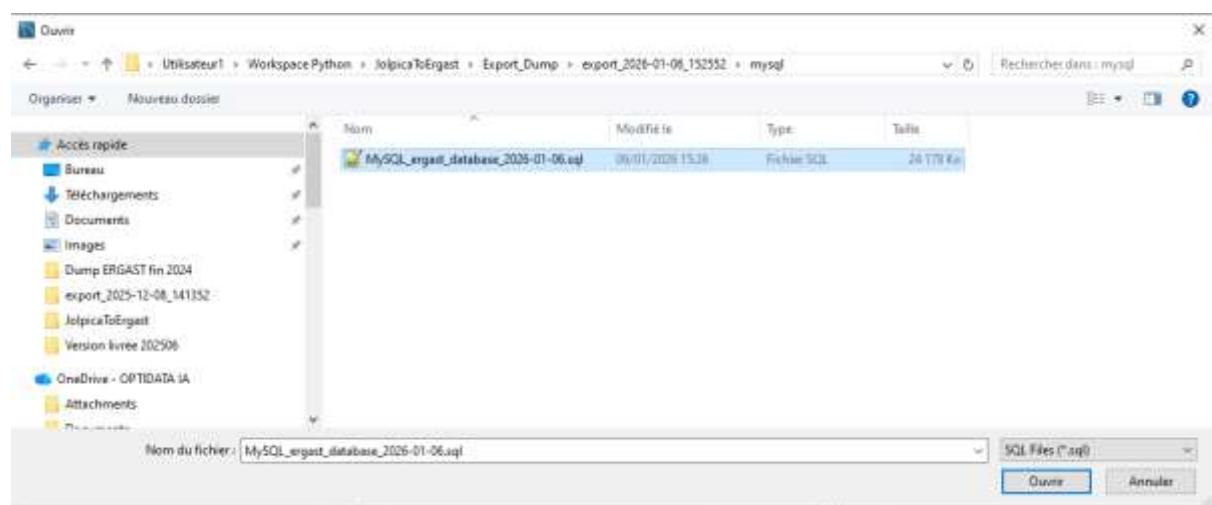
Go to the top menu and click on 'Server' > 'Data Import'.

Choose 'Import from Self-Contained File' and select your dump file.

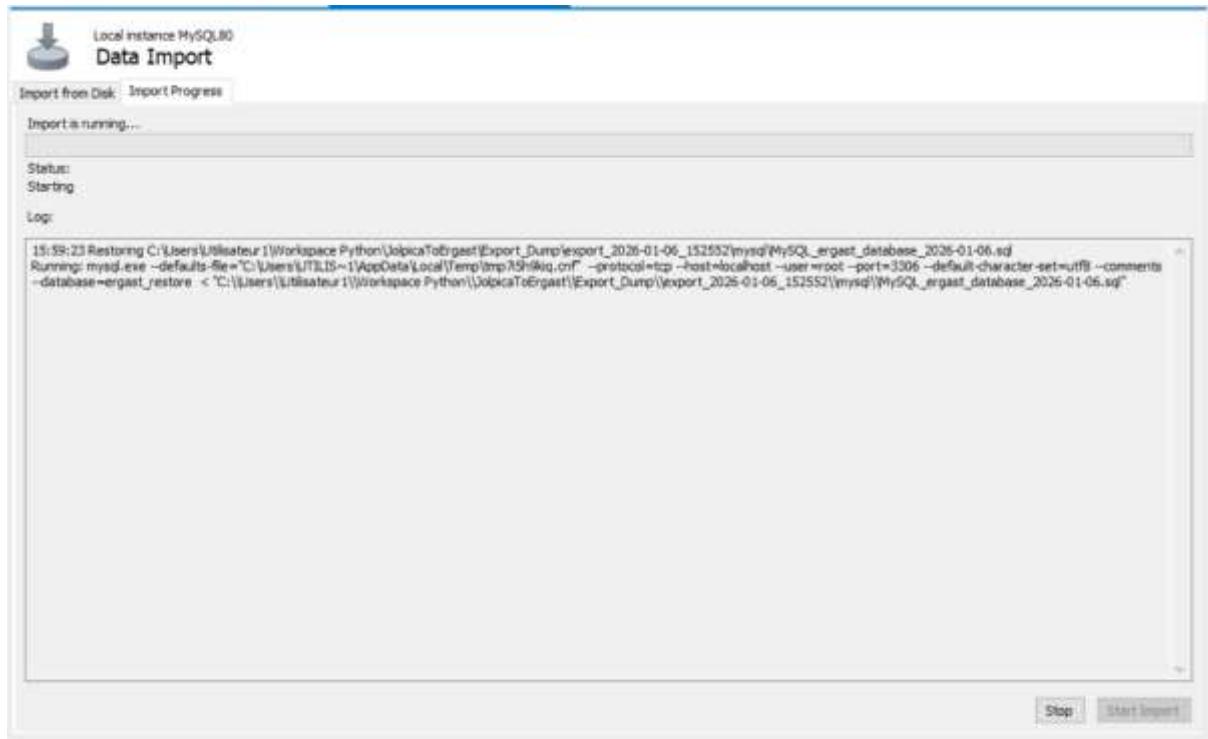
Select the target schema



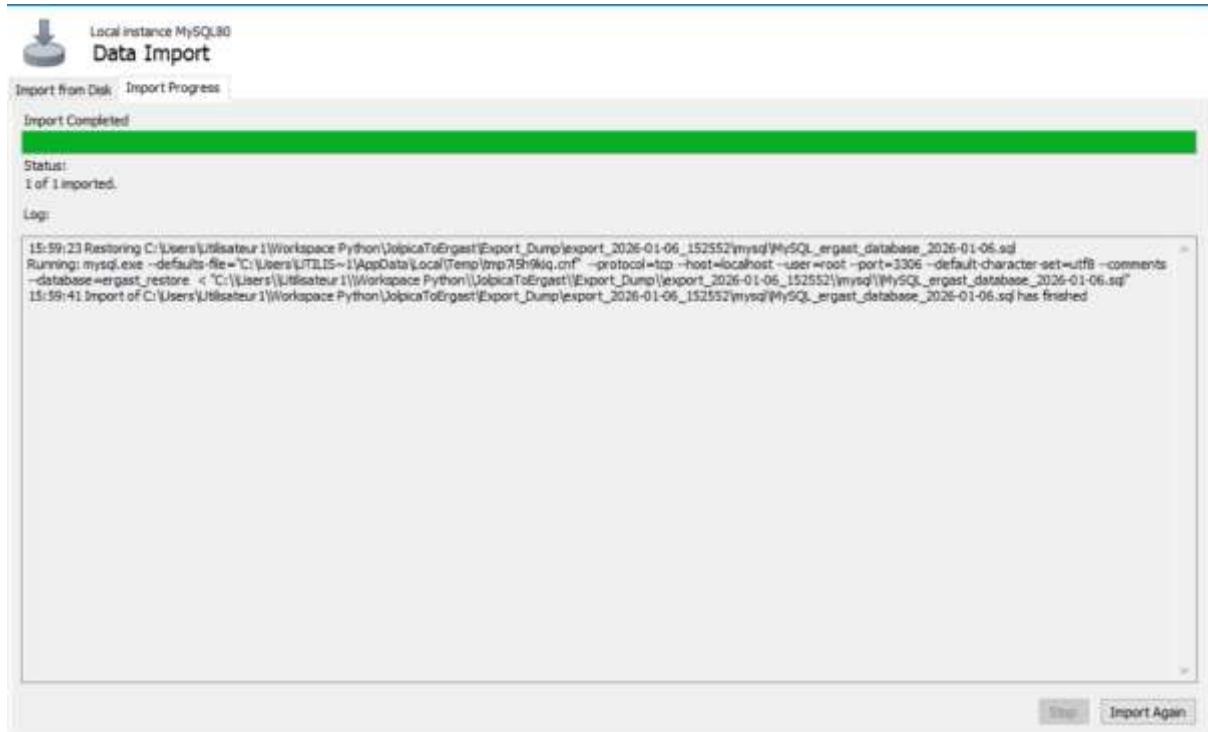
And choose the option 'Dump Structure and Data'.



Click 'Start Import'.

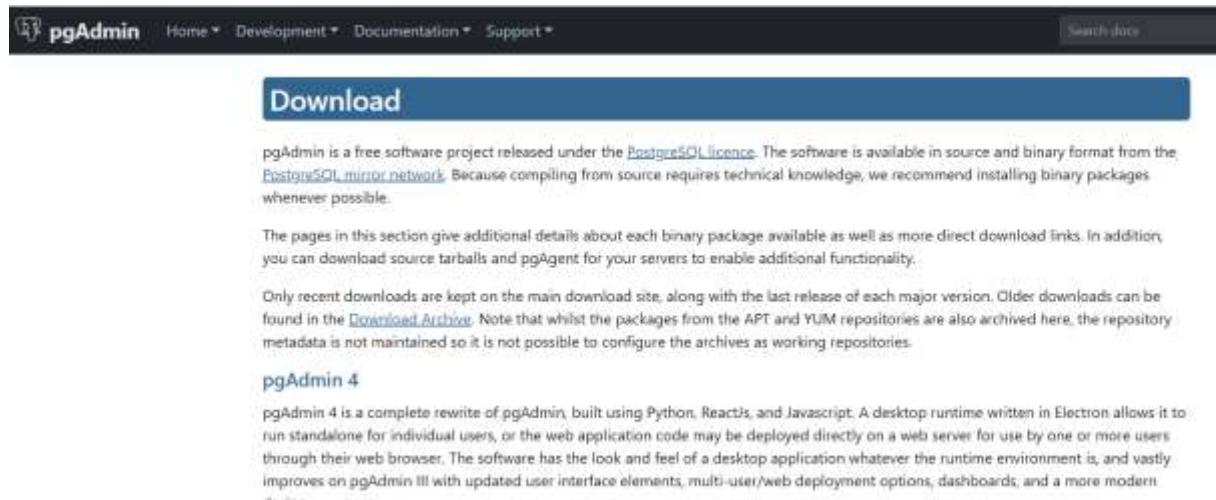


After about 1 minute, your database should be ready.



2. Importing PostgreSQL Dump

Tool: pgAdmin (<https://www.pgadmin.org/download/>)



Download

pgAdmin is a free software project released under the [PostgreSQL licence](#). The software is available in source and binary format from the [PostgreSQL mirror network](#). Because compiling from source requires technical knowledge, we recommend installing binary packages whenever possible.

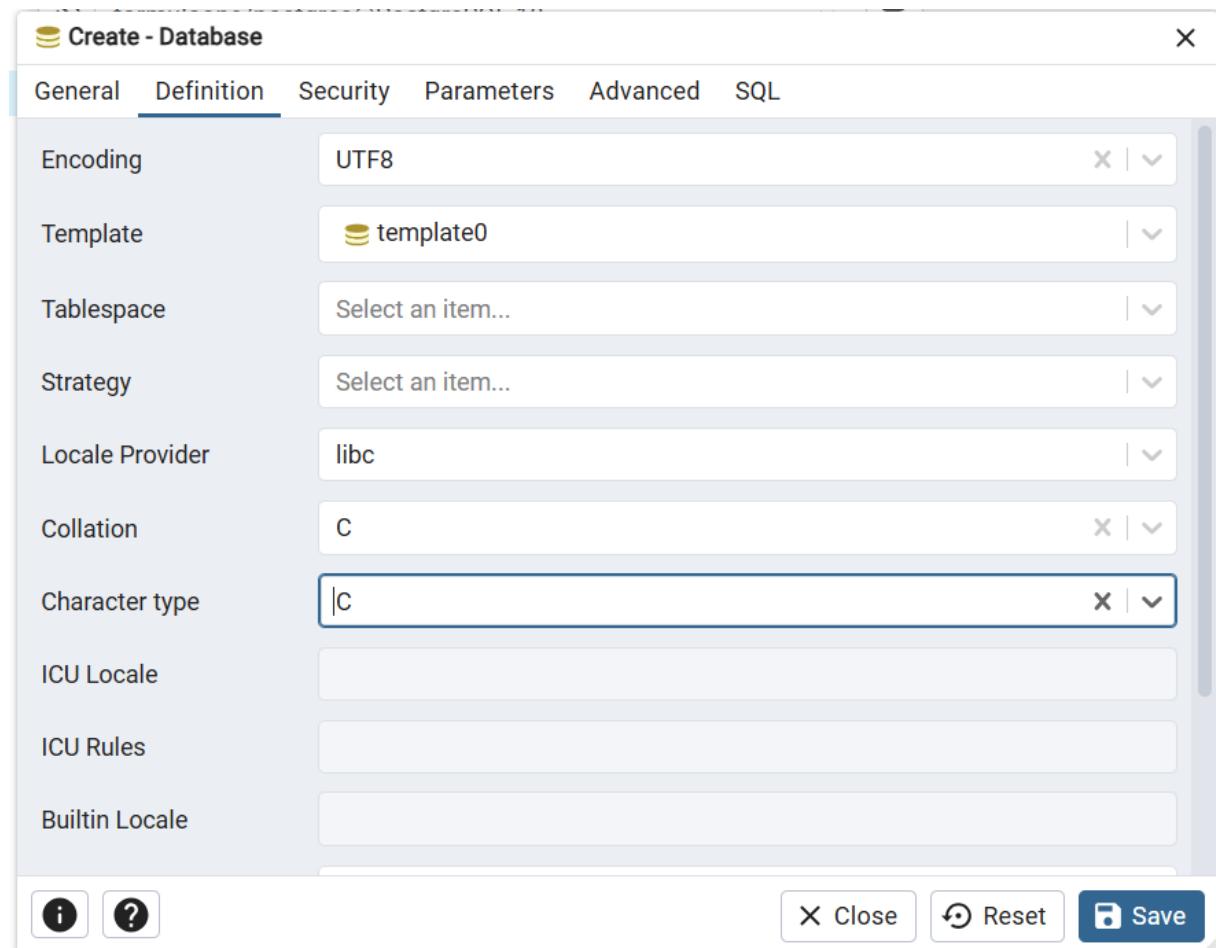
The pages in this section give additional details about each binary package available as well as more direct download links. In addition, you can download source tarballs and pgAgent for your servers to enable additional functionality.

Only recent downloads are kept on the main download site, along with the last release of each major version. Older downloads can be found in the [Download Archive](#). Note that whilst the packages from the APT and YUM repositories are also archived here, the repository metadata is not maintained so it is not possible to configure the archives as working repositories.

pgAdmin 4

pgAdmin 4 is a complete rewrite of pgAdmin, built using Python, ReactJS, and Javascript. A desktop runtime written in Electron allows it to run standalone for individual users, or the web application code may be deployed directly on a web server for use by one or more users through their web browser. The software has the look and feel of a desktop application whatever the runtime environment is, and vastly improves on pgAdmin III with updated user interface elements, multi-user/web deployment options, dashboards, and a more modern design.

Warning : Ensure your database encoding settings are compatible to avoid Unicode errors.



Create - Database

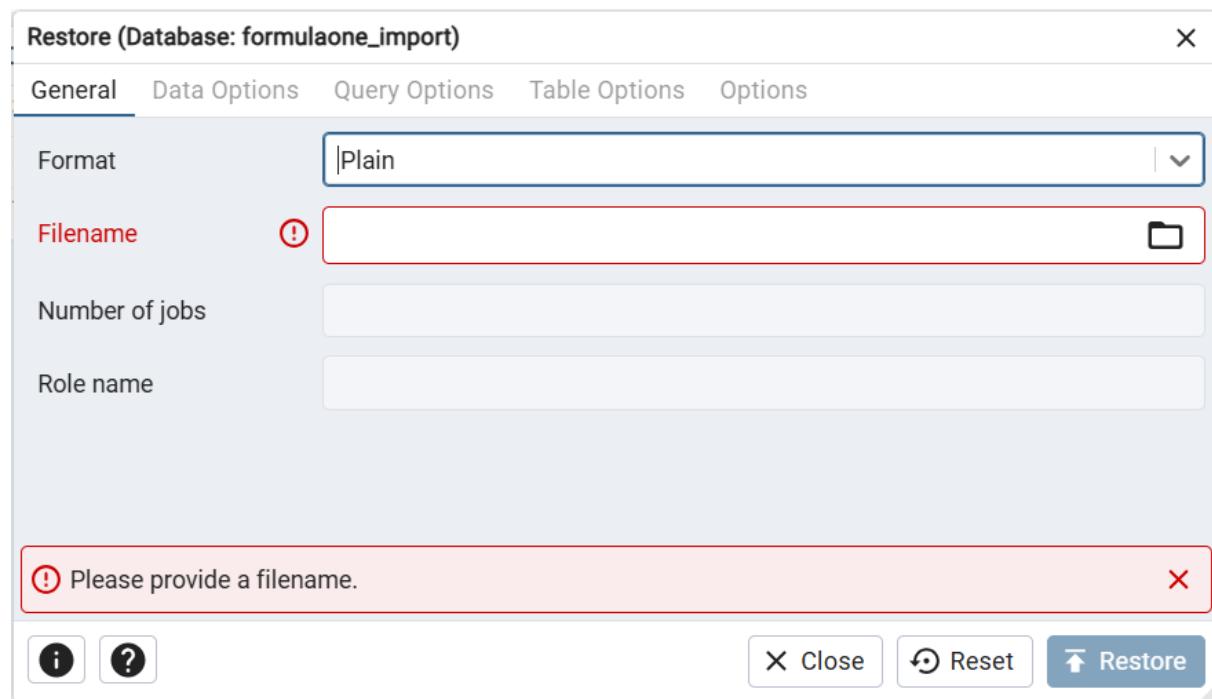
Definition (selected)

Encoding	UTF8
Template	template0
Tablespace	Select an item...
Strategy	Select an item...
Locale Provider	libc
Collation	C
Character type	C
ICU Locale	
ICU Rules	
Builtin Locale	

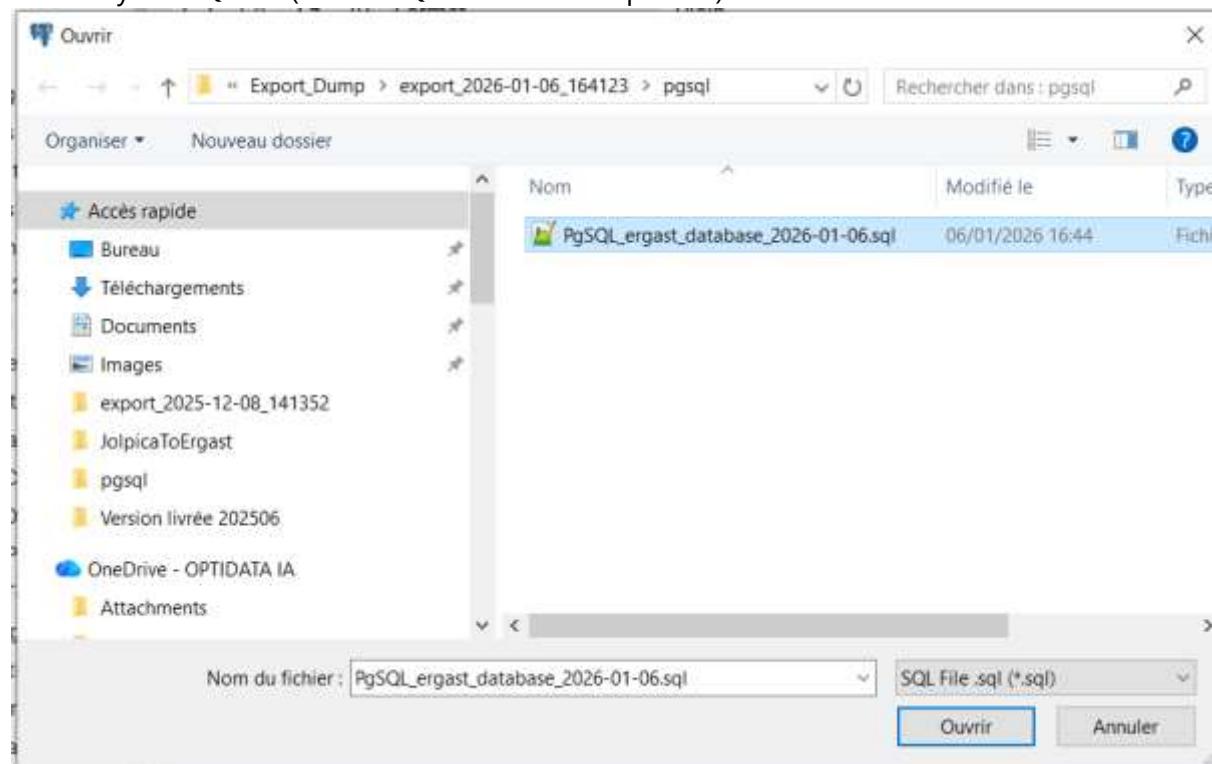
Buttons: Close, Reset, Save

Right-click on your target database and choose 'Restore...'.

Select the format 'PLAIN'.



Choose your SQL file (select 'SQL file' in the dropdown).



Note: The script will create a schema named 'ergastf1' in your database.

Click 'Restore'.

Restore (Database: formulaone_import)

General Data Options Query Options Table Options Options

Format	Plain
Filename	C:\Users\Utilisateur1\Workspace Python\JolpicaToErgast\Export_Dum <input style="width: 20px; height: 20px;" type="button" value="..."/>
Number of jobs	
Role name	

i **?** **X Close** **↻ Reset** **⬆ Restore**

Your database should be ready after a few seconds.

Process Watcher - Restoring backup on the server

Restoring backup on the server 'PostgreSQL 18 (localhost:5432)'
 Running command:

```
C:\Program Files\PostgreSQL\18\pgAdmin 4\runtime\psql.exe --host "localhost" --port "5432" --username "postgres" --dbname "formulaone_import" "-c" "\\restrict 16f6f7038016c39a03445c15a790842d6c53f20db851e5fc9ef4f8565a696411" --file "C:\\\\Users\\\\UTILIS~1\\\\WORKSP~2\\\\JOLPIC~1\\\\EXPORT~2\\\\EXPORT~2\\\\pgsql\\\\PGSQL_~1.SQL"
```

⌚ Start time: Tue Jan 06 2026 16:57:01 GMT+0100 (heure normale d'Europe centrale) **🚫 End Process**

```
psql:C:/Users/UTILIS~1/WORKSP~2/JOLPIC~1/EXPORT~2/EXPORT~2/pgsql/PGSQL_~1.SQL:731559:  

ERREUR: la relation « uq_drivers_url » existe déjà  

psql:C:/Users/UTILIS~1/WORKSP~2/JOLPIC~1/EXPORT~2/EXPORT~2/pgsql/PGSQL_~1.SQL:731567:  

ERREUR: la relation « uq_races_url » existe déjà  

psql:C:/Users/UTILIS~1/WORKSP~2/JOLPIC~1/EXPORT~2/EXPORT~2/pgsql/PGSQL_~1.SQL:731687:  

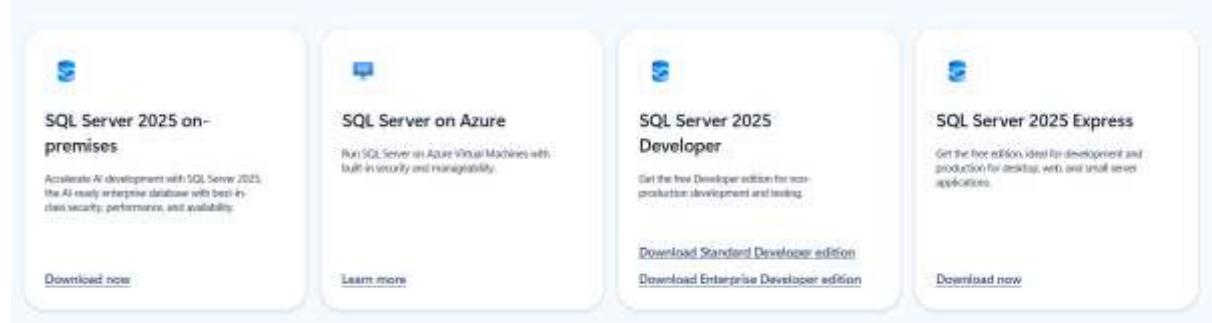
ERREUR: la contrainte « fk_races_circuit » de la relation « races » existe déjà
```

✓ Successfully completed. Execution time: 2.51 seconds

3. Importing BACPAC into Azure SQL / SQL Server

Tool: SQL Server Management Studio (SSMS) (<https://www.microsoft.com/en/sql-server/sql-server-downloads>)

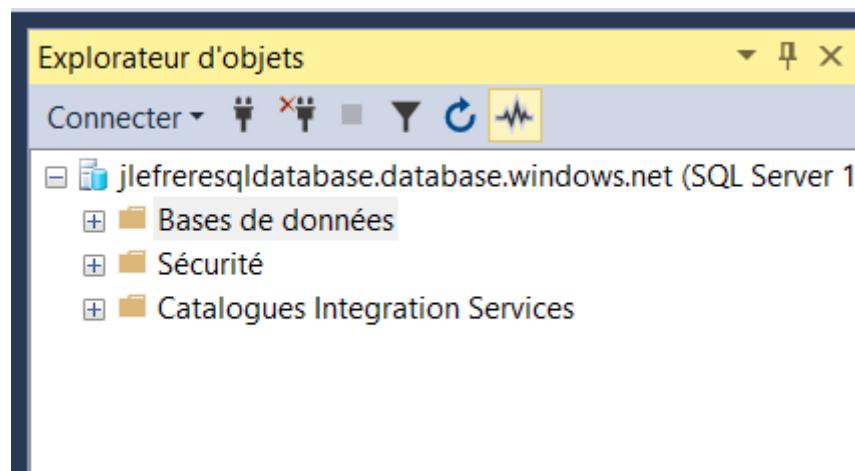
Get started with SQL Server on-premises or in the cloud



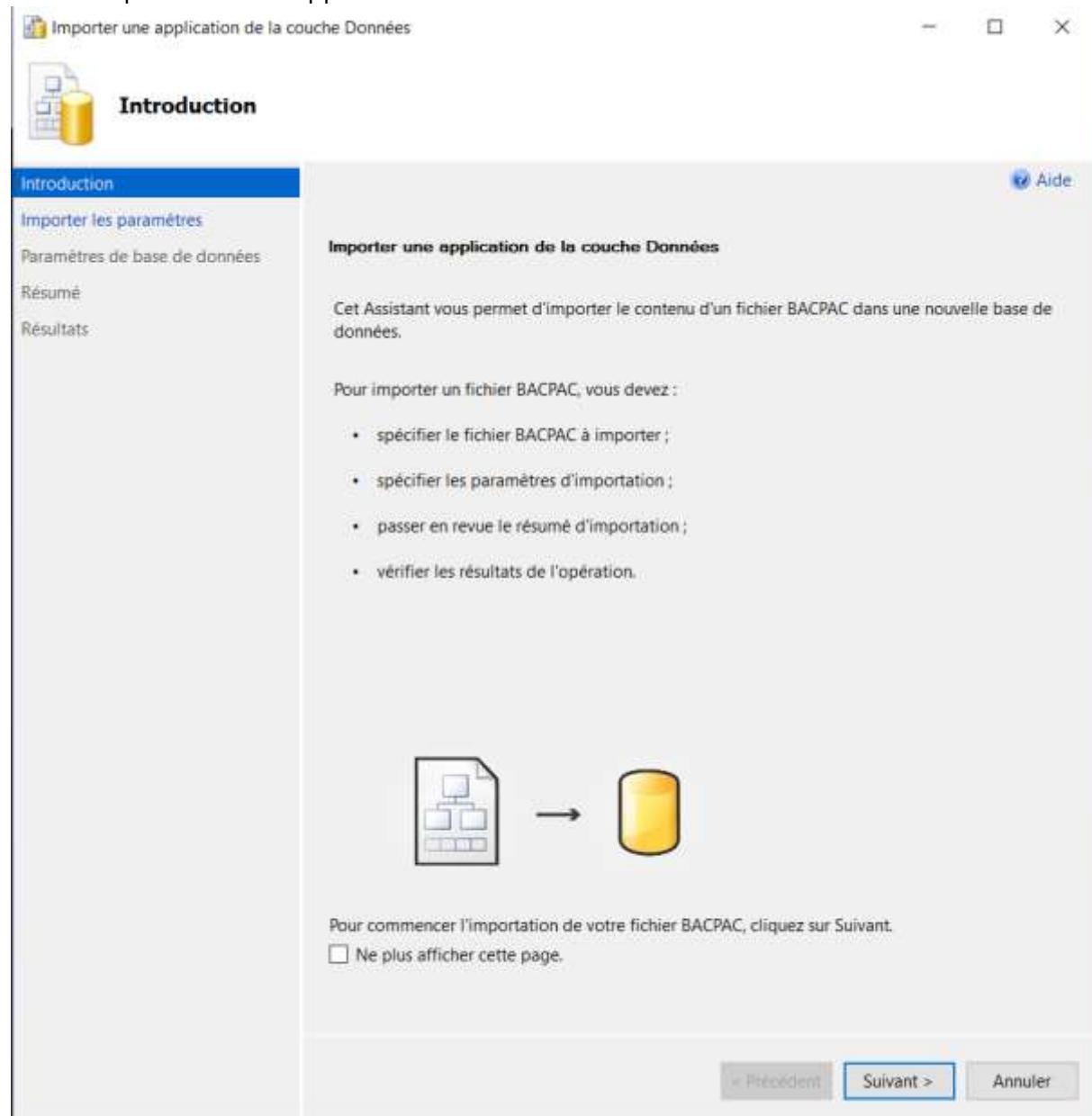
The screenshot shows the Microsoft SQL Server download page. It features four cards:

- SQL Server 2025 on-premises**: Accelerate AI development with SQL Server 2025, the AI-ready enterprise database with best-in-class security, performance, and availability. [Download now](#)
- SQL Server on Azure**: Run SQL Server in Azure Virtual Machines with built-in security and manageability. [Learn more](#)
- SQL Server 2025 Developer**: Get the free Developer edition for non-production development and testing. [Download Standard Developer edition](#) | [Download Enterprise Developer edition](#)
- SQL Server 2025 Express**: Get the free edition, ideal for development and production for desktop, Web, and small server applications. [Download now](#)

Right-click on 'Databases'.

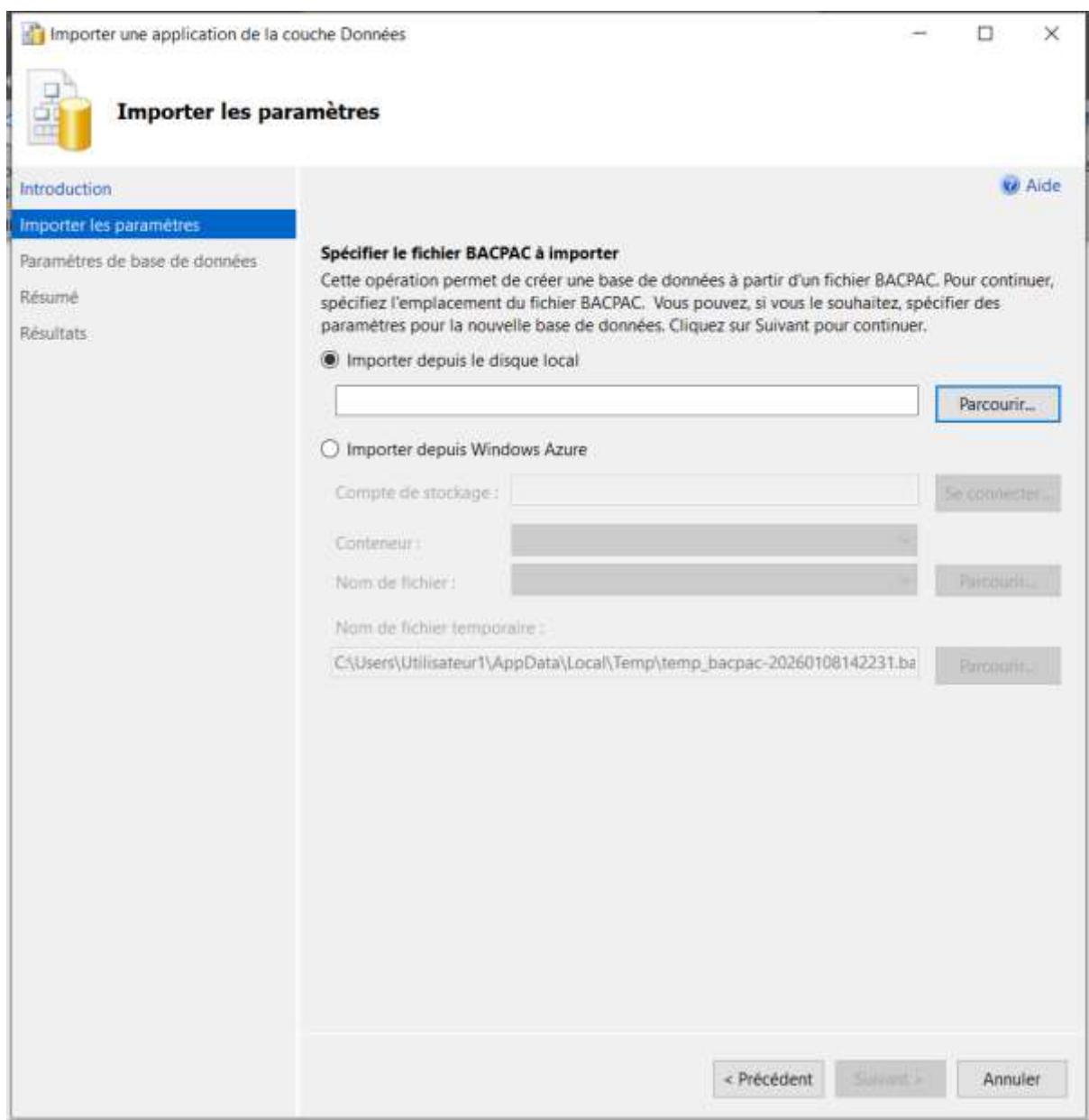


Select 'Import Data-tier Application'.

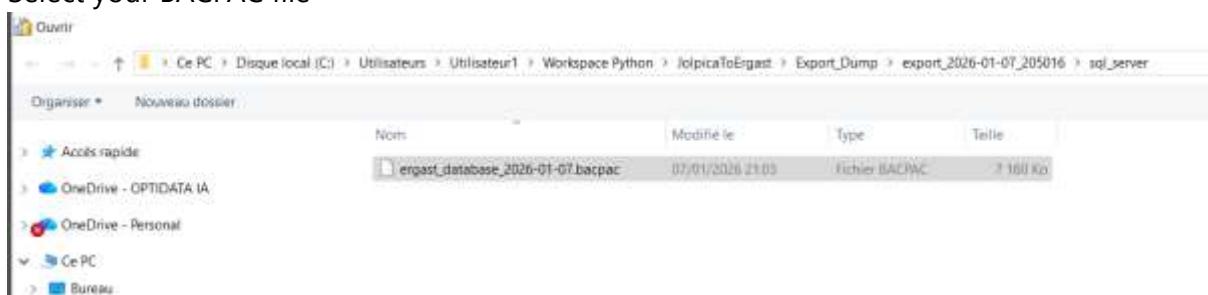


Click 'Next'.

Choose your source: local disk or Azure storage.

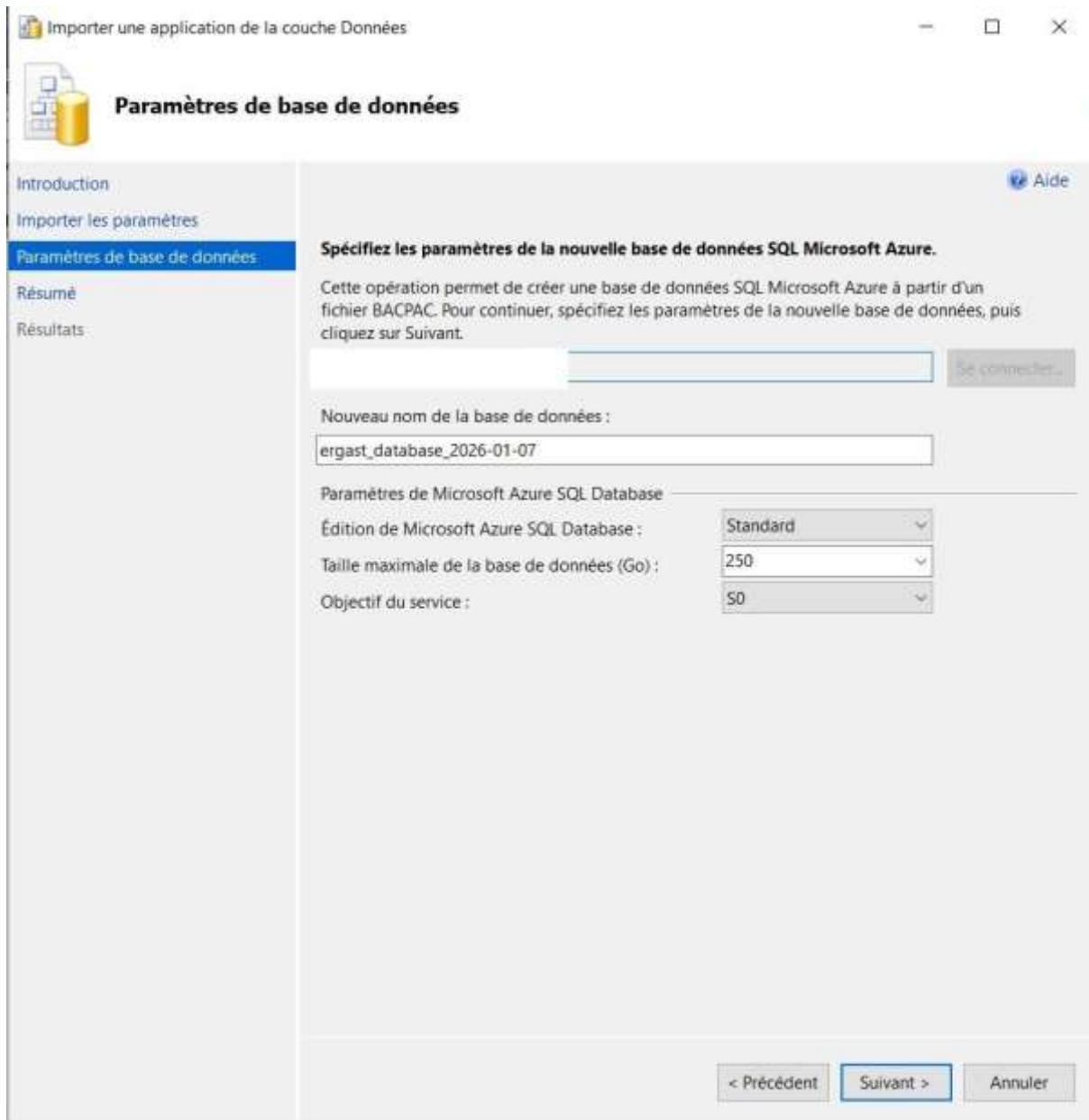


Select your BACPAC file



<https://www.raceoptidata.com>
contact@raceoptidata.com

and click 'Next'.



Warnings :

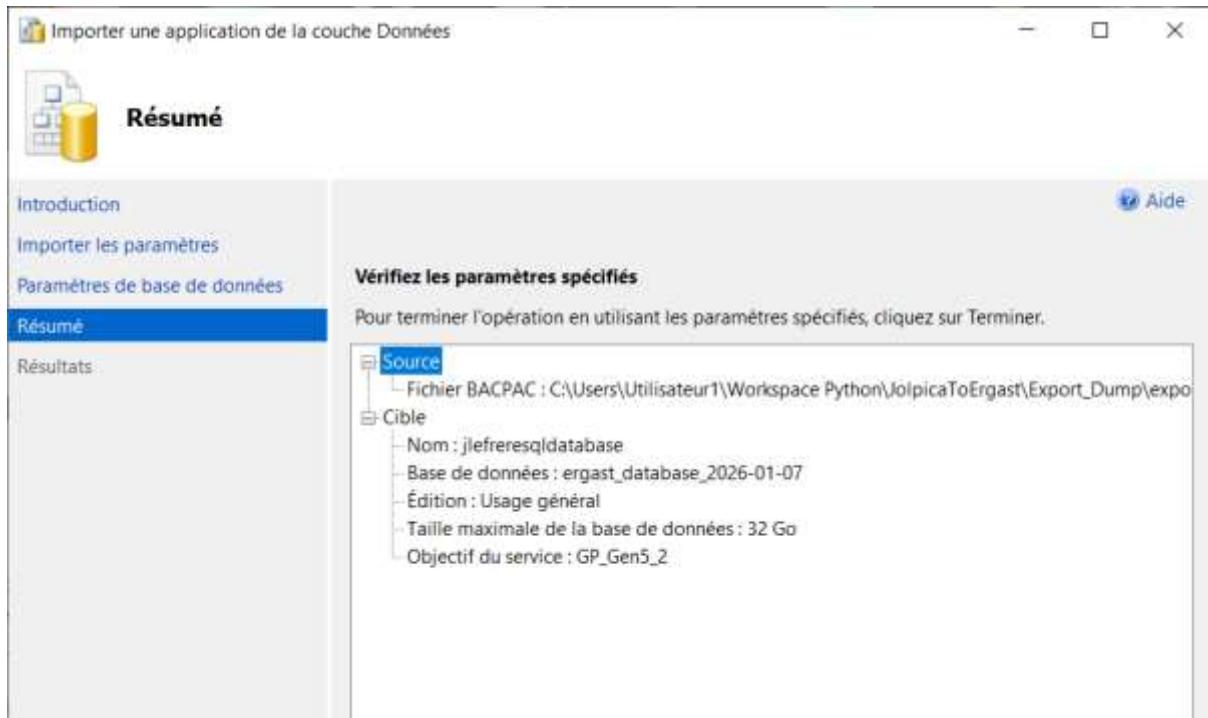
You cannot import a BACPAC file into an existing database. When targeting Azure, SSMS may propose an overprovisioned configuration by default — feel free to resize after import.

Paramètres de Microsoft Azure SQL Database

Édition de Microsoft Azure SQL Database :	Usage général
Taille maximale de la base de données (Go) :	32
Objectif du service :	GP_Gen5_2

Puis ultérieurement, vous pourrez redimensionner votre base.

Click 'Next'.



Then 'Finish'. The import is starting :

Importer une application de la couche Données

État d'avancement

Introduction Importation de la base de données Aide

Importer les paramètres

Paramètres de base de données

Résumé

Résultats

Nom	État
Création du plan de déploiement	Succès
Initialisation de déploiement	Succès
Vérification du plan de déploiement	Succès
Analyse d'un plan de déploiement	Succès
Importation du schéma de package et des données dans la base de do...	En cours
Mise à jour de la base de données	En cours

Wait a few minutes; your database will be ready.

Import une application de la couche Données

Résultats

Introduction Importer les paramètres Paramètres de base de données Résumé Résultats

Aide

Opération terminée

Résumé :

Nom	Résultat
Désactivation d'index.	Succès
Désactivation de l'index 'UQ_circuits_DD7784177C1B769E'.	Succès
Désactivation de l'index 'UQ_construc_72E12F1BBD79376F'.	Succès
Désactivation de l'index 'UQ_drivers_DD778417FC4C68E8'.	Succès
Désactivation de l'index 'UQ_races_DD778417E8CC1542'.	Succès
Désactivation de l'index 'UQ_seasons_url'.	Succès
Traitement de la table « [ergastf1].[circuits] ».	Succès
Traitement de la table « [ergastf1].[constructorresults] ».	Succès
Traitement de la table « [ergastf1].[constructors] ».	Succès
Traitement de la table « [ergastf1].[constructorstandings] ».	Succès
Traitement de la table « [ergastf1].[drivers] ».	Succès
Traitement de la table « [ergastf1].[driverstandings] ».	Succès
Traitement de la table « [ergastf1].[laptimes] ».	Succès
Traitement de la table « [ergastf1].[pitstops] ».	Succès
Traitement de la table « [ergastf1].[qualifying] ».	Succès
Traitement de la table « [ergastf1].[races] ».	Succès
Traitement de la table « [ergastf1].[results] ».	Succès
Traitement de la table « [ergastf1].[seasons] ».	Succès
Traitement de la table « [ergastf1].[sprintresults] ».	Succès
Traitement de la table « [ergastf1].[status] ».	Succès
Activation d'index.	Succès
Activation de l'index 'UQ_circuits_DD7784177C1B769E'.	Succès
Activation de l'index 'UQ_construc_72E12F1BBD79376F'.	Succès
Activation de l'index 'UQ_drivers_DD778417FC4C68E8'.	Succès
Activation de l'index 'UQ_races_DD778417E8CC1542'.	Succès

> Précédent Suivant > Fermer