



# Intrasis DbTools User Guide

**intra**sis

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## Introduction

Intrasis DbTools is a command line application used to schedule backups of Intrasis PostgreSQL databases. The tools consist of two exe-files db\_backup.exe and db\_restore.exe. The backup produces one or more zipped SQL dump files and writes them to a chosen folder. The restore function restores the database/s and tablespace/s to the chosen location.

*Please note that Intrasis DbTool is used for backing up and restore the PostgreSQL databases. **The other files in the Intrasis database folder must be backed up separately.***

# 1. Usage

The backup/restore is intended to be used in the command prompt (cmd.exe) on the computer/server where the PostgreSQL databases are stored. The easiest way to start it is to open the Command prompt and then drag and drop the exe-file from the Windows explorer to the open Command prompt. The file must be run from DbTools folder because it needs the dll's in the folder to work.

## 1.1 Backup

The command that can be used for backup are:

```
db_backup [-U POSTGRESUSER] [-P POSTGREPWD] [-L LOGFILE] [-S SINGLE_DB_NAME] [-D] OUTPUT_FOLDER
```

Use -U to specify the PostgreSQL user name, default 'postgres'.

Use -P to specify the PostgreSQL password.

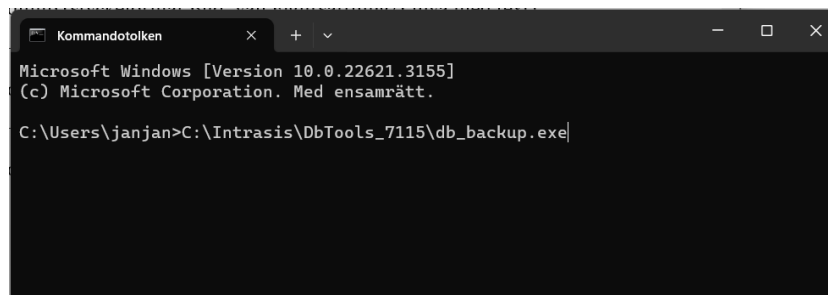
Use -L to specify a file for logging.

Use -S to select a specific database for backup.

Add -D to store the database backups in a subdirectory named by date.

### 1.1.1 Backup example1: Backup of one database on a computer/server

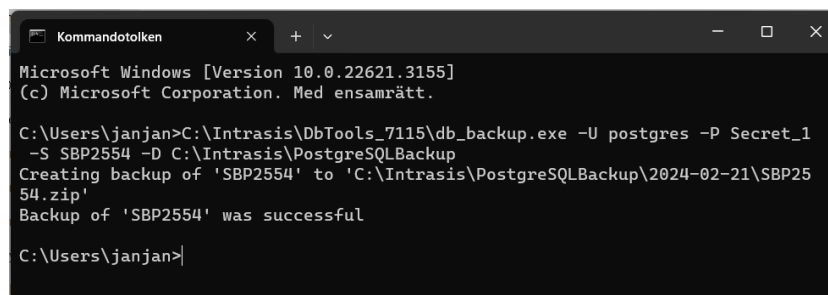
Open the command prompt: Drag and drop the backup.exe file from the Windows explorer to the command prompt. It could look like this, depending on where you have saved the backup scripts:



```
Kommandotolken
Microsoft Windows [Version 10.0.22621.3155]
(c) Microsoft Corporation. Med ensamrätt.

C:\Users\janjan>C:\Intrasis\DbTools_7115\db_backup.exe|
```

Begin typing your syntax by hitting the space bar then choose the appropriate commands. In this example we are going to back up a database called "SBP2554" and store the backup in C:\Intrasis\PostgreSQLBackup.



```
Kommandotolken
Microsoft Windows [Version 10.0.22621.3155]
(c) Microsoft Corporation. Med ensamrätt.

C:\Users\janjan>C:\Intrasis\DbTools_7115\db_backup.exe -U postgres -P Secret_1
-S SBP2554 -D C:\Intrasis\PostgreSQLBackup
Creating backup of 'SBP2554' to 'C:\Intrasis\PostgreSQLBackup\2024-02-21\SBP25
54.zip'
Backup of 'SBP2554' was successful

C:\Users\janjan>|
```

If the backup was successful, you will get a success message and the path to the backupfile.

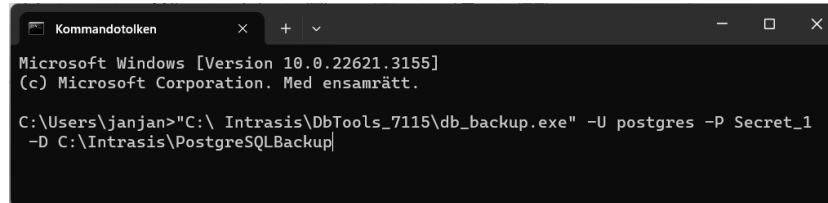
Conveniently, you can copy the following syntax and just edit the path to the backup.exe file and the backup folder 😊 :

```
"C:\Intrasis\DbTools_7115\db_backup.exe" -U postgres -P Secret_1 -S Demo -D C:\Intrasis\PostgreSQLBackup.
```

Skärmdump (styckeformat Bild; välj Figursättning/I nivå med text).

### 1.1.2 Backup example2: Backup of all databases on a computer/server

Open the command prompt: Drag and drop the backup.exe file from the Windows explorer to the command prompt. It should look like this.:



```
Kommandotolken
Microsoft Windows [Version 10.0.22621.3155]
(c) Microsoft Corporation. Med ensamrätt.

C:\Users\janjan>"C:\Intrasis\DbTools_7115\db_backup.exe" -U postgres -P Secret_1
-D C:\Intrasis\PostgreSQLBackup
```

```
"C:\Intrasis\DbTools_7115\db_backup.exe" -U postgres -P Secret_1 -D C:\Intrasis\PostgreSQLBackup.
```

## 1.2 Restore

A restore can easily be made to the same server where the database was backed up. A restore can also be made to a different server or folder.

The commands that can be used for restoring are:

db\_restore restores one or several Intrasis PostgreSQL databases.

**Usage 1** (restore many databases):

```
db_restore
[-S POSTGRESERVER] [-U POSTGRESUSER] [-P POSTGREPWD] [-L LOGFILE] [-D DESTINATIONFOLDER] SOURCEFOLDER
```

**Usage 2** (restore one db):

```
db_restore
[-S POSTGRESERVER] [-U POSTGRESUSER] [-P POSTGREPWD] [-L LOGFILE] [-D DESTINATIONFOLDER] SOURCEFILE
```

Use -U to specify the PostgreSQL user name, default 'postgres'.

Use -S to specify a PostgreSQL server other than default.

Use -P to specify the PostgreSQL password.

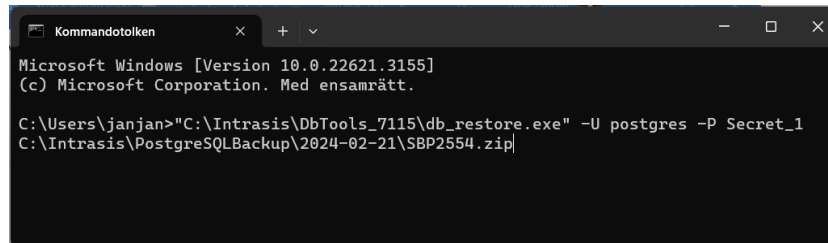
Use -L to specify a file for logging.

Use -D to specify a specific destination folder.

(local folder, i.e. c:\dir, when using default server, \\SERVER\dir otherwise).

### 1.2.1 Restore example1: Restore one database on the same server it was backed up

In this example we are going to restore the database that was backed up in Backup example1:

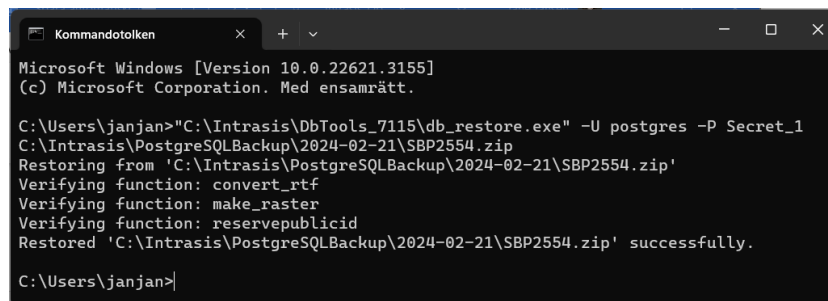


```
Kommandotolken
Microsoft Windows [Version 10.0.22621.3155]
(c) Microsoft Corporation. Med ensamrätt.

C:\Users\janjan>"C:\Intrasis\DbTools_7115\db_restore.exe" -U postgres -P Secret_1
C:\Intrasis\PostgreSQLBackup\2024-02-21\SBP2554.zip
```

*"C:\Intrasis\DbTools\_7115\db\_restore.exe" -U postgres -P Secret\_1  
C:\Intrasis\PostgreSQLBackup\2024-02-21\SBP2554.zip*

If the restore was successful you will get a success message:



```
Kommandotolken
Microsoft Windows [Version 10.0.22621.3155]
(c) Microsoft Corporation. Med ensamrätt.

C:\Users\janjan>"C:\Intrasis\DbTools_7115\db_restore.exe" -U postgres -P Secret_1
C:\Intrasis\PostgreSQLBackup\2024-02-21\SBP2554.zip
Restoring from 'C:\Intrasis\PostgreSQLBackup\2024-02-21\SBP2554.zip'
Verifying function: convert_rtf
Verifying function: make_raster
Verifying function: reservepublicid
Restored 'C:\Intrasis\PostgreSQLBackup\2024-02-21\SBP2554.zip' successfully.

C:\Users\janjan>
```

### 1.2.2 Restore example2: Restore several databases on the same server it was backed up

*"C:\Intrasis\DbTools\_7115\db\_restore.exe" -U postgres -P Secret\_1  
C:\Intrasis\PostgreSQLBackup\2024-02-21\*

### 1.2.3 Restore example3: Restore several databases to a different server

*"C:\Intrasis\DbTools\_7115\db\_restore.exe" -S OtherServerName -U postgres -P  
Secret\_1 C:\Intrasis\PostgreSQLBackup\2024-02-21\*

In this case, the database is restored to the same path on the other server. This is something you need when setting up a new server. First, you need to copy the Intrasis folders to the new server. If you have the same path for the folders, you can use the command line above.

### 1.2.4 Restore example4: Restore several databases to a different server and path

If the database should be restored to a different folder –

*"C:\Intrasis\DbTools\_7115\db\_restore.exe" -S OtherServerName -U postgres -P  
Secret\_1 -D ||OtherServerName\OtherFolder| C:\Intrasis\PostgreSQLBackup\2024-  
02-21\*

During restore the database folder and subfolder *System* is created. All other folders and files for the database must be copied/restored from your ordinary file backup. Please note! Do not replace the folder *System*.

## 1.3 Scheduling

There is an easy way to schedule a backup with Intrasis DbTools by using a bat-file and the Windows Task scheduler (Taskschd.msc). When scheduling a backup with backup.exe it could be good to also specify a file for logging (-L).

To be able to schedule backup.exe with Task Scheduler we must first create an executable file. The easiest way is to create a bat-file. Start by opening Notepad and write your syntax (or copy from above examples). The bat-file should only contain the syntax, nothing else. When finished select *Save as* from the *File* menu. Select *All files* from the *File name* drop down box and then write an appropriate filename for instance *IntrasisScheduledBackup.bat* (it's important that you use the file suffix .bat).

A very good example can be found here:

<http://technet.microsoft.com/en-us/library/cc748993.aspx>

If you need assistance, please contact us at:

[helpdesk@intrasis.com](mailto:helpdesk@intrasis.com) or

phone +46104808080.

Our opening hours are from 08:00 to 16:00 CET.

Lunch break from 12:00 to 13:00 CET.

If you are changing to a new PostgreSQL version and/or a new Windows server, please contact us in advance for guidance.