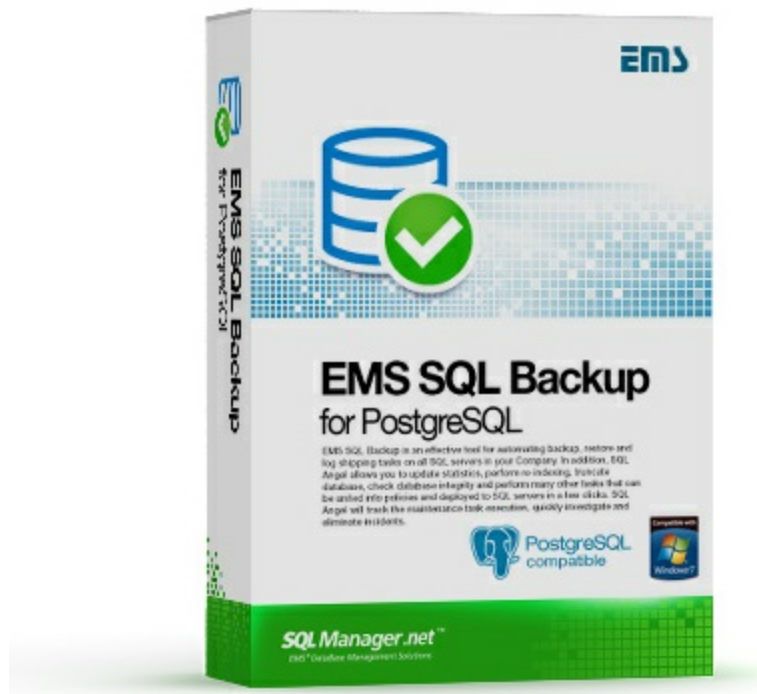


# EMS SQL Backup for PostgreSQL User's Manual



# **EMS SQL Backup for PostgreSQL User's Manual**

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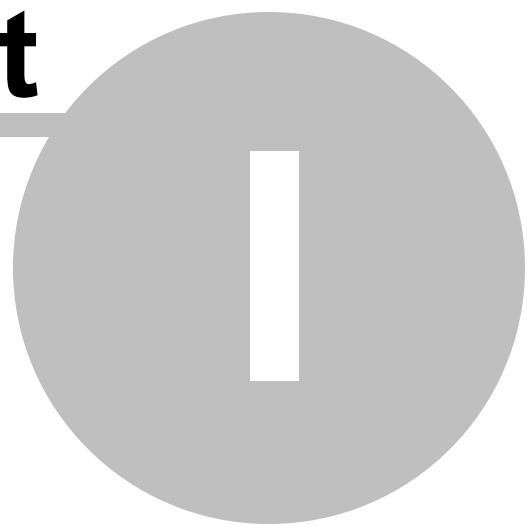
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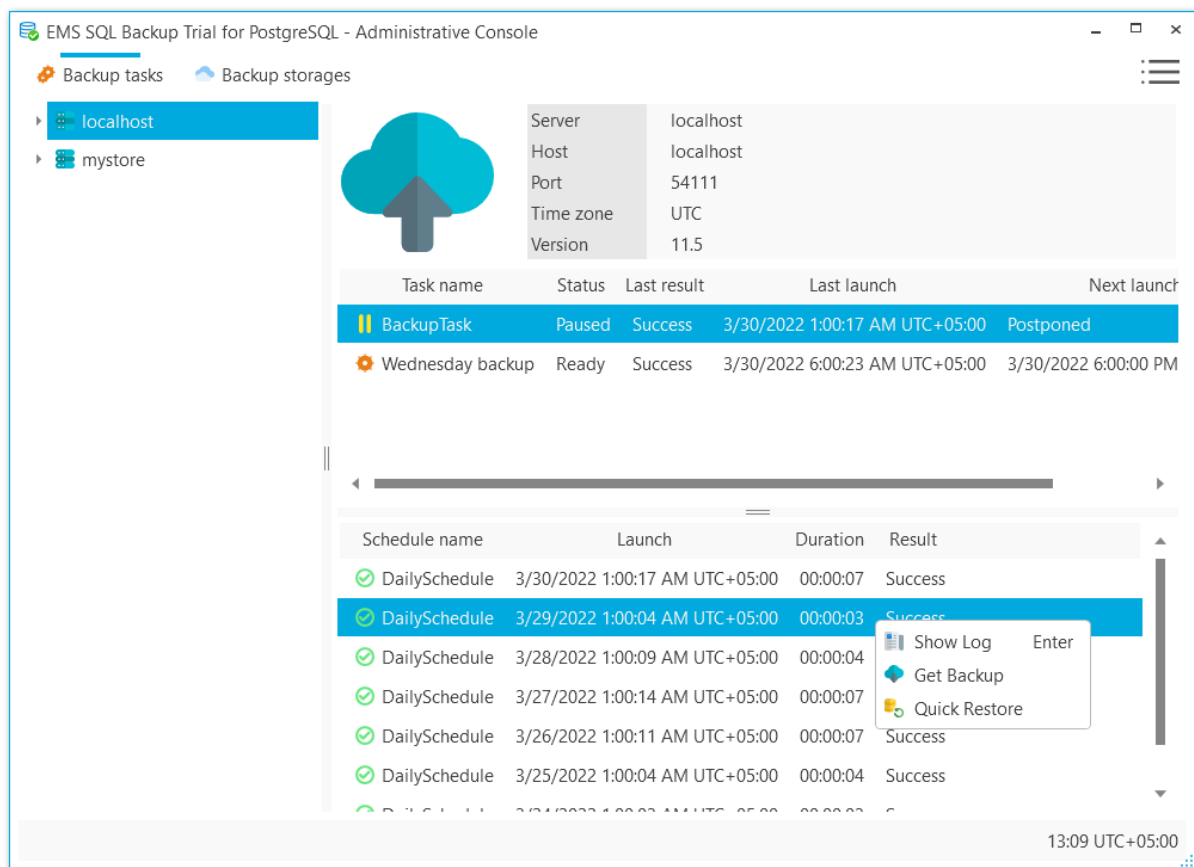


# 1 Welcome to EMS SQL Backup for PostgreSQL!

**EMS SQL Backup for PostgreSQL** is an easy-to-use GUI tool to create backups for multiple PostgreSQL servers from a single console. You can use automatic backup tasks with advanced schedules and store them in local or remote folders or cloud storages.

## Key features

- Easy-to use wizard for creating backup tasks
- Support for most of PostgreSQL server versions: starting with 7.4 up to the latest one
- Secure connection with SSL
- Connecting via SSH tunnelling
- Ability to manage backups of all your servers from a single user-friendly application
- Automation of backup process
- Backup of either data, structure or both
- Implemented compression to reduce backup size
- Support of cloud storages: Dropbox, Amazon S3, Microsoft Azure, Google Drive
- Support of multiple network protocols to store backup files: FTP, SFTP, Windows network folders (CIFS)
- Encryption of backup files with password or Blowfish and AES algorithms
- Displaying of all existing backups for each destination
- Easy wizard to create tasks for scheduled backup process
- All your databases can be backed up within a single task
- Quick backups with pre-defined options
- Quick restore from backup launches history
- Monitoring task execution results in real time
- Desktop and email notifications for task start and completion
- Any task can be paused or re-started at any time



Check the [Get started](#) topic to get quick overview of the application.

#### See also:

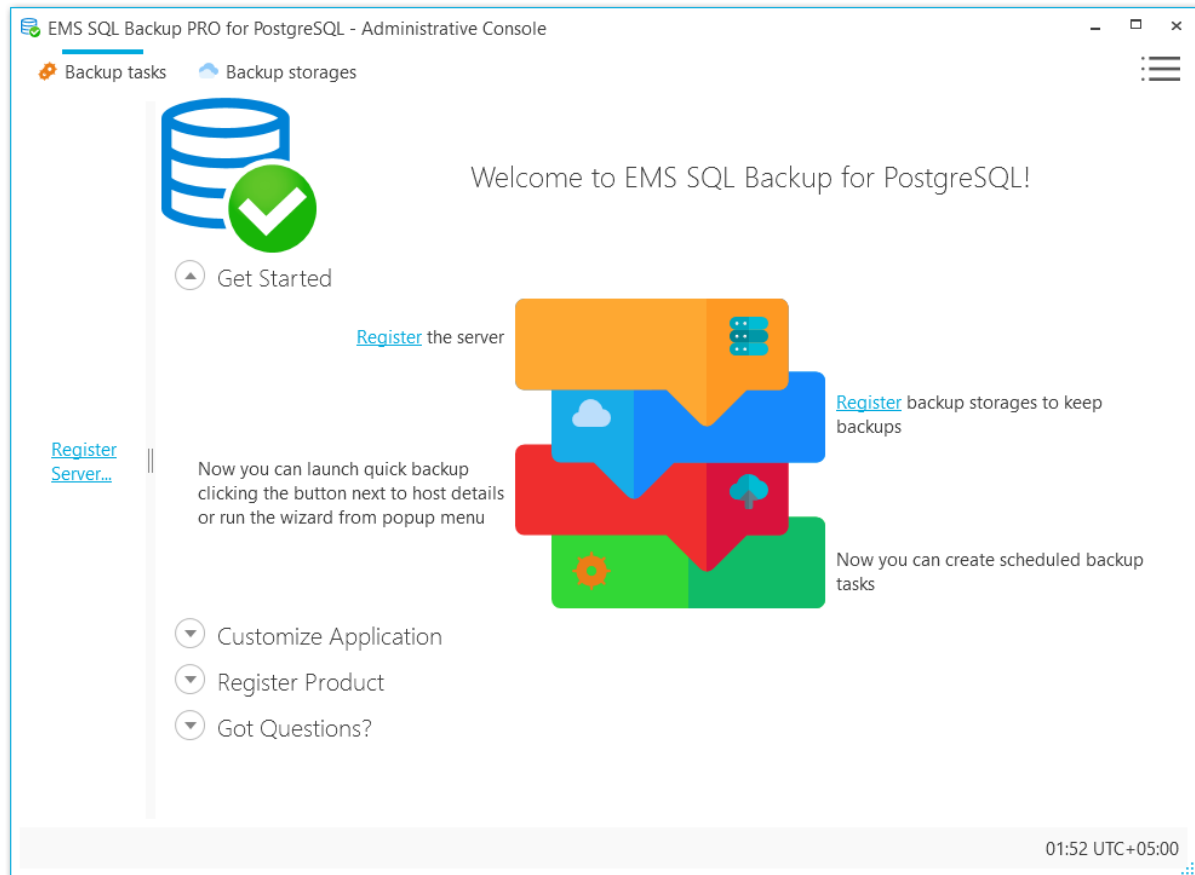
[Get started](#)

[FAQ](#)



## 1.1 Get started

That's how the program looks when you first start it:



The application has two main tabs:

### **Backup tasks**

It displays the list of registered servers in the left section to manage servers and run backups and tasks overview to monitor backup tasks and start/stop/pause them.


### **Backup storages**

This tab stores all storages created for backups. You can create new or edit existing storage, which will be used to store backup files. We would recommend to create backup storages before creating tasks.

### **Options**

From this menu you can change program language and color schema, manage program licenses and check for updates.

### To start working with the program

1. Register the server(s) with [Register server ...](#) link on the left panel.
2. [Create](#) backup storage(s) that will be used to backup files on the  **Backup**

**storages** tab.

3. [Create](#) new backup task from the server popup menu or run the backup process manually.

---

**See also:**

[FAQ](#)

[Register server wizard](#)

## 1.2 What's new

**Program version**

EMS SQL Backup for PostgreSQL 1.7

**Release date**

December 26, 2022

- Support for PostgreSQL 15 implemented.
- The case of the database name was wrong on restoring into a new database. Fixed now.
- The 'No such file or directory' error occurred on restoring from compressed file. Fixed now.
- Other minor fixes and improvements.

## 1.3 System requirements

- Microsoft Windows Server 2008 R2 SP1, Microsoft Windows Server 2012, Microsoft Windows Server 2012 R2, Microsoft Windows Server 2016, Microsoft Windows 7 SP1, Microsoft Windows 8/8.1, Microsoft Windows 10, Microsoft Windows 11
- CPU: x86 or x86-64 processor
- PostgreSQL server starting with 7.4 and up to the 16 version
- 1024 MB RAM or more
- 50 Mb of available disk space for program installation.

## 1.4 Feature matrix

The set of features included in the different versions of the EMS SQL Backup for PostgreSQL are listed in the feature matrix given below.

To browse the **Feature Matrix**, visit the following page: <https://www.sqlmanager.net/products/postgresql/sqlbackup/features>

## 1.5 Installation

If you are **installing EMS SQL Backup for PostgreSQL for the first time** on your PC:

- download the EMS SQL Backup for PostgreSQL installation package from the [download page](#) available at our site;
- unzip the downloaded file to any local directory, e.g. *C:\unzipped*;
- run *EMSPgBackup-1.x.x.xxxx.msi* from the local directory and follow the instructions of the installation wizard.

There are two modes of the EMS SQL Backup for PostgreSQL Console installation: *Typical* и *Custom*. If you choose the *Custom* mode then you will be able to define the destination program folder and specify if the help-files and localizations should be copied there or not.

After the installation process is completed, find the EMS SQL Backup for PostgreSQL shortcut in the corresponding group of Windows Start menu.

If you want to **upgrade an installed copy of EMS SQL Backup for PostgreSQL** to the latest version:

- download the full installation package of EMS SQL Backup for PostgreSQL from the [download page](#) available at our site or use **Check for updates** in the ☰ collapsed menu;
- close EMS SQL Backup for PostgreSQL application if it is running;
- repeat the steps you have made for the first-time installation;
- run EMS SQL Backup for PostgreSQL using its shortcut in the corresponding group of Windows Start menu.

---

**See also:**

[FAQ](#)

## 1.6 Purchasing

All purchases are provided by **PayPro Global** registration service. The **PayPro Global** order process is protected via a secure connection and makes on-line ordering by credit/debit card quick and safe.

**PayPro Global** is a global e-commerce provider for software and shareware sales via the Internet. It accepts payments in US Dollars, Euros, Pounds Sterling, Japanese Yen, Australian Dollars, Canadian Dollars or Swiss Franks by Credit Card (Visa, MasterCard/EuroCard, American Express, Diners Club), Bank/Wire Transfer.

If you want to review your order information, or you have questions about ordering or payments please visit our [PayPro Global Shopper Support](#), provided by **PayPro Global**.

Please note that all of our products are delivered via ESD (Electronic Software Delivery) only. After purchase you will be able to immediately download the registration keys. Also you will receive a copy of registration keys by email. Please make sure to enter a valid email address in your order. If you have not received the keys within 2 hours, please, contact us at [sales@sqlmanager.net](mailto:sales@sqlmanager.net).

Product distribution	PayPro Global
EMS SQL Backup for PostgreSQL (Business license) + 1-Year Maintenance*	<a href="#">Register Now!</a>
EMS SQL Backup for PostgreSQL (Business license) + 2-Year Maintenance*	
EMS SQL Backup for PostgreSQL (Business license) + 3-Year Maintenance*	
EMS SQL Backup for PostgreSQL PRO (Business license) + 1-Year Maintenance*	
EMS SQL Backup for PostgreSQL PRO (Business license) + 2-Year Maintenance*	
EMS SQL Backup for PostgreSQL PRO (Business license) + 3-Year Maintenance*	
EMS SQL Backup for PostgreSQL (Non-commercial license) + 1-Year Maintenance*	
EMS SQL Backup for PostgreSQL (Non-commercial license) + 2-Year Maintenance*	
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EMS SQL Backup for PostgreSQL PRO (Non-commercial license) + 1-Year Maintenance*	
EMS SQL Backup for PostgreSQL PRO (Non-commercial license) + 2-Year Maintenance*	
EMS SQL Backup for PostgreSQL PRO (Non-commercial license) + 3-Year Maintenance*	
EMS SQL Backup for PostgreSQL (Trial/Free version)	<a href="#">Download Now!</a>

**\*EMS Maintenance Program** provides the following benefits:

- Free software bug fixes, enhancements, updates and upgrades during the maintenance period

- Free unlimited communications with technical staff for the purpose of reporting software failure
- Free reasonable number of communications for the purpose of consultation on operational aspects of the software

After your maintenance expires you will not be able to update your software or get technical support. To protect your investments and have your software up-to-date, you need to renew your maintenance online or contact our sales department.

---

**See also:**

[How to register](#)

[FAQ](#)



## 1.7 How to register

After you have received the license key, you need to activate the license from the application:

1. Run EMS SQL Backup for PostgreSQL.
2. Click the ☰ collapsed menu item in the right upper top and open **License management wizard**.
3. Follow the steps in the [Wizard](#).

To remove a license from the application you need to [deactivate](#) it. Later you can activate it again on a new PC.

---

### See also:

[Purchasing](#)

[License activation](#)

[License deactivation](#)

## 1.8 FAQ

Please read this page with frequently asked questions if you have any questions about use of EMS SQL Backup for PostgreSQL.

- [What versions of PostgreSQL server does EMS SQL Backup for PostgreSQL support?](#)
- [Must EMS SQL Backup for PostgreSQL be installed on each server which I want to work with?](#)
- [Whether the servers, EMS SQL Backup for PostgreSQL works with, must be located within one local network?](#)
- [Can EMS SQL Backup for PostgreSQL reduce backup size?](#)
- [Can I restore a backup file with EMS SQL Backup for PostgreSQL?](#)
- [Can I only backup database structure?](#)
- [Can I filter database objects and exclude some objects from backup?](#)
- [My servers are located in different time zones. At what time zone will tasks be launched?](#)
- [Can policy tasks have their own execution schedules?](#)
- [How can I see task status in EMS SQL Backup for PostgreSQL?](#)
- [Is it possible to launch quick backup without defining any options?](#)
- [Can I send backup files to several destinations simultaneously?](#)
- [Where can I see the list of the created backup files?](#)
- [Can I see the backup files created by other software in the backup files list?](#)
- [Can I assign default targets to the server?](#)
- [How can I monitor task execution?](#)
- [What are the differences between different versions of EMS SQL Backup for PostgreSQL?](#)
- [May I not pay the program maintenance?](#)

### Questions & answers

**Q: What versions of PostgreSQL server does EMS SQL Backup for PostgreSQL support?**

A: EMS SQL Backup for PostgreSQL works with all server versions starting with 7.4 up to the latest one.

**Q: Must EMS SQL Backup for PostgreSQL be installed on each server which I want to work with?**

A: No, you need to install the console on the PC, which you want to administer tasks from. You can register all your servers and manage them from a single console.

**Q: Whether the servers, EMS SQL Backup for PostgreSQL works with, must be located within one local network?**

A: Servers can be located anywhere: in the local or remote network.

**Q: Can EMS SQL Backup for PostgreSQL reduce backup size?**

A: You can compress backup files for plain SQL and GZIP archives.

**Q: Can I restore a backup file with EMS SQL Backup for PostgreSQL?**

A: Yes, you can either use [Quick restore](#) or run [Database restore](#) wizards to restore databases with enhanced options.

**Q: Can I only backup database structure?**

A: In the Backup task wizard you can select either to backup data, metadata or both.

**Q: Can I filter database objects and exclude some objects from backup?**

A: Yes, you can filter objects by schema or name using wildcards. Either you could add objects to the black list to exclude them from backup.

**Q: My servers are located in different time zones. At what time zone will tasks be launched?**

A: By default tasks are created and launched in local application time, but you can change it to UTC for any server in the Create schedule wizard. In this case all tasks will be performed in UTC time zone.

**Q: Can backup tasks have their own execution schedules?**

A: Yes, each task can have one or more schedules.

**Q: How can I see task status in EMS SQL Backup for PostgreSQL?**

A: You can see task overview from the main window of the application.

**Q: Is it possible to launch quick backup without defining any options?**

A: Yes, you need to select the required database and click the Quick backup icon on the main pages to launch backup process with pre-defined options for this server. Backup file will be sent to the default storage assigned for the server.

**Q: Can I send backup files to several destinations simultaneously?**

A: Yes, you can select several storages and backup files will be sent to each of them.

**Q: Where can I see the list of the created backup files?**

A: You can see the list of all created backup files for each backup storage on the Backup storages tab.

**Q: Can I see the backup files created by other software in the backup files list?**

A: You can only see the files with BACKUP extension in the files list, created with our software.

**Q: Can I assign default storages to the server?**

A: You need to set at least one default storage for each server to be able to perform Quick backup. The storages can be selected in the Server registration info dialog.

**Q: How can I monitor task execution?**

A: You can view task status and info about launches on the main page of the program. Also you can set desktop or email notifications on task start and completion.

**Q: What are the differences between different versions of EMS SQL Backup for PostgreSQL?**

A: You can view the list of all functional differences between *EMS SQL Backup for PostgreSQL* versions in the [Feature Matrix](#).

**Q: May I not pay the program maintenance?**

A: The basic price of EMS SQL Backup for PostgreSQL includes 1 Year Maintenance. Once the Maintenance term expires, you will be able to continue using the software without any limitations; however, you won't have access to any product updates released after your maintenance expiration date.

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If you still have any questions, contact us at our [Support Center](#).

## 1.9 Other EMS Products

### Quick navigation

[MySQL](#)[Microsoft SQL Server](#)[PostgreSQL](#)[InterBase / FireBird](#)[Oracle](#)[IBM DB2](#)[Tools & components](#)

### MySQL



#### [SQL Management Studio for MySQL](#)

EMS SQL Management Studio for MySQL is a complete solution for database administration and development. SQL Studio unites the must-have tools in one powerful and easy-to-use environment that will make you more productive than ever before!



#### [SQL Manager for MySQL](#)

Simplify and automate your database development process, design, explore and maintain existing databases, build compound SQL query statements, manage database user rights and manipulate data in different ways.



#### [Data Export for MySQL](#)

Export your data to any of 20 most popular data formats, including MS Access, MS Excel, MS Word, PDF, HTML and more.



#### [Data Import for MySQL](#)

Import your data from MS Access, MS Excel and other popular formats to database tables via user-friendly wizard interface.



#### [Data Pump for MySQL](#)

Migrate from most popular databases (MySQL, PostgreSQL, Oracle, DB2, InterBase/Firebird, etc.) to MySQL.



#### [Data Generator for MySQL](#)

Generate test data for database testing purposes in a simple and direct way. Wide range of data generation parameters.



#### [DB Comparer for MySQL](#)

Compare and synchronize the structure of your databases. Move changes on your development database to production with ease.



#### [DB Extract for MySQL](#)

Create database backups in the form of SQL scripts, save your database structure and table data as a whole or partially.



#### [SQL Query for MySQL](#)

Analyze and retrieve your data, build your queries visually, work with query plans, build charts based on retrieved data quickly and more.



#### [Data Comparer for MySQL](#)

Compare and synchronize the contents of your databases. Automate your data migrations from development to production database.

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## Microsoft SQL Server



### [SQL Management Studio for SQL Server](#)

EMS SQL Management Studio for SQL Server is a complete solution for database administration and development. SQL Studio unites the must-have tools in one powerful and easy-to-use environment that will make you more productive than ever before!



### [EMS SQL Backup for SQL Server](#)

Perform backup and restore, log shipping and many other regular maintenance tasks on the whole set of SQL Servers in your company.



### [SQL Administrator for SQL Server](#)

Perform administrative tasks in the fastest, easiest and most efficient way. Manage maintenance tasks, monitor their performance schedule, frequency and the last execution result.



### [SQL Manager for SQL Server](#)

Simplify and automate your database development process, design, explore and maintain existing databases, build compound SQL query statements, manage database user rights and manipulate data in different ways.



### [Data Export for SQL Server](#)

Export your data to any of 20 most popular data formats, including MS Access, MS Excel, MS Word, PDF, HTML and more



### [Data Import for SQL Server](#)

Import your data from MS Access, MS Excel and other popular formats to database tables via user-friendly wizard interface.



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Migrate from most popular databases (MySQL, PostgreSQL, Oracle, DB2, InterBase/Firebird, etc.) to Microsoft® SQL Server™.



### [Data Generator for SQL Server](#)

Generate test data for database testing purposes in a simple and direct way. Wide range of data generation parameters.



### [DB Comparer for SQL Server](#)

Compare and synchronize the structure of your databases. Move changes on your development database to production with ease.



### [DB Extract for SQL Server](#)

Create database backups in the form of SQL scripts, save your database structure and table data as a whole or partially.



### [SQL Query for SQL Server](#)

Analyze and retrieve your data, build your queries visually, work with query plans, build charts based on retrieved data quickly and more.



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## PostgreSQL



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### [EMS SQL Backup for PostgreSQL](#)

Creates backups for multiple PostgreSQL servers from a single console. You can use automatic backup tasks with advanced schedules and store them in local or remote folders or cloud storages



### [SQL Manager for PostgreSQL](#)

Simplify and automate your database development process, design, explore and maintain existing databases, build compound SQL query statements, manage database user rights and manipulate data in different ways.



### [Data Export for PostgreSQL](#)

Export your data to any of 20 most popular data formats, including MS Access, MS Excel, MS Word, PDF, HTML and more



### [Data Import for PostgreSQL](#)

Import your data from MS Access, MS Excel and other popular formats to database tables via user-friendly wizard interface.



### [Data Pump for PostgreSQL](#)

Migrate from most popular databases (MySQL, SQL Server, Oracle, DB2, InterBase/Firebird, etc.) to PostgreSQL.



### [Data Generator for PostgreSQL](#)

Generate test data for database testing purposes in a simple and direct way. Wide range of data generation parameters.



### [DB Comparer for PostgreSQL](#)

Compare and synchronize the structure of your databases. Move changes on your development database to production with ease.



### [DB Extract for PostgreSQL](#)

Create database backups in the form of SQL scripts, save your database structure and table data as a whole or partially.



### [SQL Query for PostgreSQL](#)

Analyze and retrieve your data, build your queries visually, work with query plans, build charts based on retrieved data quickly and more.



### [Data Comparer for PostgreSQL](#)

Compare and synchronize the contents of your databases. Automate your data migrations from development to production database.

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## **InterBase / Firebird**



### [SQL Management Studio for InterBase/Firebird](#)

EMS SQL Management Studio for InterBase and Firebird is a complete solution for database administration and development. SQL Studio unites the must-have tools in one powerful and easy-to-use environment that will make you more productive than ever before!



### [SQL Manager for InterBase/Firebird](#)

Simplify and automate your database development process, design, explore and maintain existing databases, build compound SQL query statements, manage database user rights and manipulate data in different ways.



### [Data Export for InterBase/Firebird](#)

Export your data to any of 20 most popular data formats, including MS Access, MS Excel, MS Word, PDF, HTML and more



### [Data Import for InterBase/Firebird](#)

Import your data from MS Access, MS Excel and other popular formats to database tables via user-friendly wizard interface.



### [Data Pump for InterBase/Firebird](#)

Migrate from most popular databases (MySQL, SQL Server, Oracle, DB2, PostgreSQL, etc.) to InterBase/Firebird.



### [Data Generator for InterBase/Firebird](#)

Generate test data for database testing purposes in a simple and direct way. Wide range of data generation parameters.



### [DB Comparer for InterBase/Firebird](#)

Compare and synchronize the structure of your databases. Move changes on your development database to production with ease.



### [DB Extract for InterBase/Firebird](#)

Create database backups in the form of SQL scripts, save your database structure and table data as a whole or partially.



### [SQL Query for InterBase/Firebird](#)

Analyze and retrieve your data, build your queries visually, work with query plans, build charts based on retrieved data quickly and more.



### [Data Comparer for InterBase/Firebird](#)

Compare and synchronize the contents of your databases. Automate your data migrations from development to production database.

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## Oracle



### [SQL Management Studio for Oracle](#)

EMS SQL Management Studio for Oracle is a complete solution for database administration and development. SQL Studio unites the must-have tools in one powerful and easy-to-use environment that will make you more productive than ever before!



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Simplify and automate your database development process, design, explore and maintain existing databases, build compound SQL query statements, manage database user rights and manipulate data in different ways.



### [Data Export for Oracle](#)

Export your data to any of 20 most popular data formats, including MS Access, MS Excel, MS Word, PDF, HTML and more.



### [Data Import for Oracle](#)

Import your data from MS Access, MS Excel and other popular formats to database tables via



user-friendly wizard interface.



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#### [DB Comparer for Oracle](#)

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#### [DB Extract for Oracle](#)

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#### [SQL Query for Oracle](#)

Analyze and retrieve your data, build your queries visually, work with query plans, build charts based on retrieved data quickly and more.



#### [Data Comparer for Oracle](#)

Compare and synchronize the contents of your databases. Automate your data migrations from development to production database.

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## IBM DB2



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#### [Data Export for DB2](#)

Export your data to any of 20 most popular data formats, including MS Access, MS Excel, MS Word, PDF, HTML and more.



#### [Data Import for DB2](#)

Import your data from MS Access, MS Excel and other popular formats to database tables via user-friendly wizard interface.



#### [Data Pump for DB2](#)

Migrate from most popular databases (MySQL, PostgreSQL, Oracle, MySQL, InterBase/Firebird, etc.) to DB2



#### [Data Generator for DB2](#)

Generate test data for database testing purposes in a simple and direct way. Wide range of data generation parameters.



#### [DB Extract for DB2](#)

Create database backups in the form of SQL scripts, save your database structure and table data as a whole or partially.



#### [SQL Query for DB2](#)

Analyze and retrieve your data, build your queries visually, work with query plans, build charts

based on retrieved data quickly and more.

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## Tools & components



### [Advanced Data Export for RAD Studio VCL](#)

Advanced Data Export for RAD Studio VCL allows you to save your data in the most popular office programs formats.



### [Advanced Data Export .NET](#)

Advanced Data Export .NET is a component for Microsoft Visual Studio .NET that will allow you to save your data in the most popular data formats for the future viewing, modification, printing or web publication. You can export data into MS Access, MS Excel, MS Word (RTF), PDF, TXT, DBF, CSV and more! There will be no need to waste your time on tiresome data conversion - Advanced Data Export will do the task quickly and will give the result in the desired format.



### [Advanced Data Import for RAD Studio VCL](#)

Advanced Data Import for RAD Studio VCL will allow you to import your data to the database from files in the most popular data formats.



### [Advanced PDF Generator for RAD Studio](#)

Advanced PDF Generator for RAD Studio gives you an opportunity to create PDF documents with your applications written on Delphi or C++ Builder.



### [Advanced Query Builder for RAD Studio VCL](#)

Advanced Query Builder for RAD Studio VCL is a powerful component for Delphi and C++ Builder intended for visual building SQL statements for the SELECT, INSERT, UPDATE and DELETE clauses.



### [Advanced Excel Report for RAD Studio](#)

Advanced Excel Report for RAD Studio is a powerful band-oriented generator of template-based reports in MS Excel.



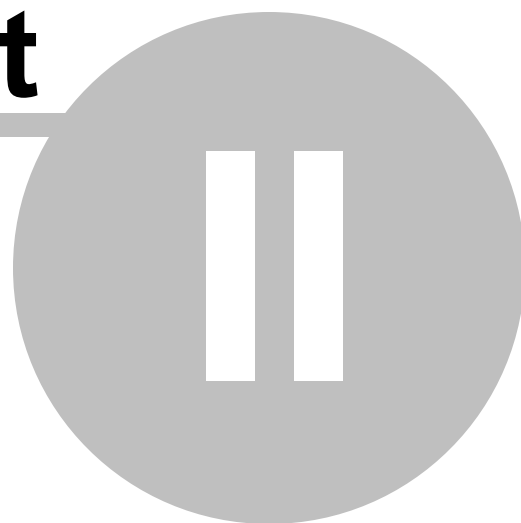
### [Advanced Localizer for RAD Studio VCL](#)

Advanced Localizer for RAD Studio VCL is an indispensable component for Delphi for adding multilingual support to your applications.

[Scroll to top](#)

# Part


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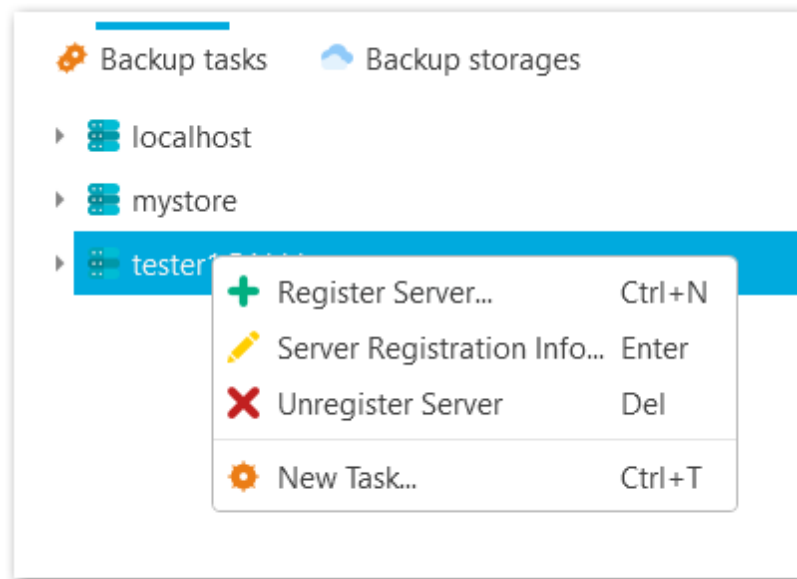


## 2 Servers

To start working with the program you need to register server(s). The full list of available databases will be loaded automatically.

### Server explorer

The Explorer area allows you to access  servers and databases, register new servers, edit existing registrations or unregister them, create scheduled tasks and run backups manually.



---

### See also:

[Getting Started](#)

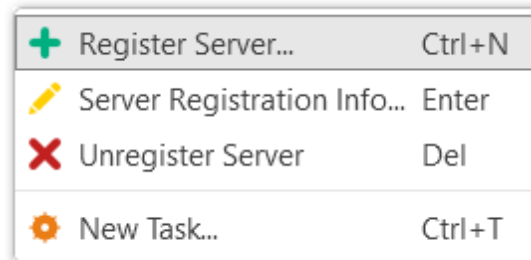
[Backup tasks](#)

[Backup targets](#)

[Options](#)

## 2.1 Register server wizard

This wizard guides you through the server registration. To launch the wizard select the **+** **Register Server** popup menu item in the server explorer area.



### Steps

[Welcome to register wizard server](#)

[Specifying connection parameters](#)

[Specifying tunneling settings](#)

[Selecting backup targets](#)

[Setting general options](#)

[Setting notification options](#)

[Performing operation](#)

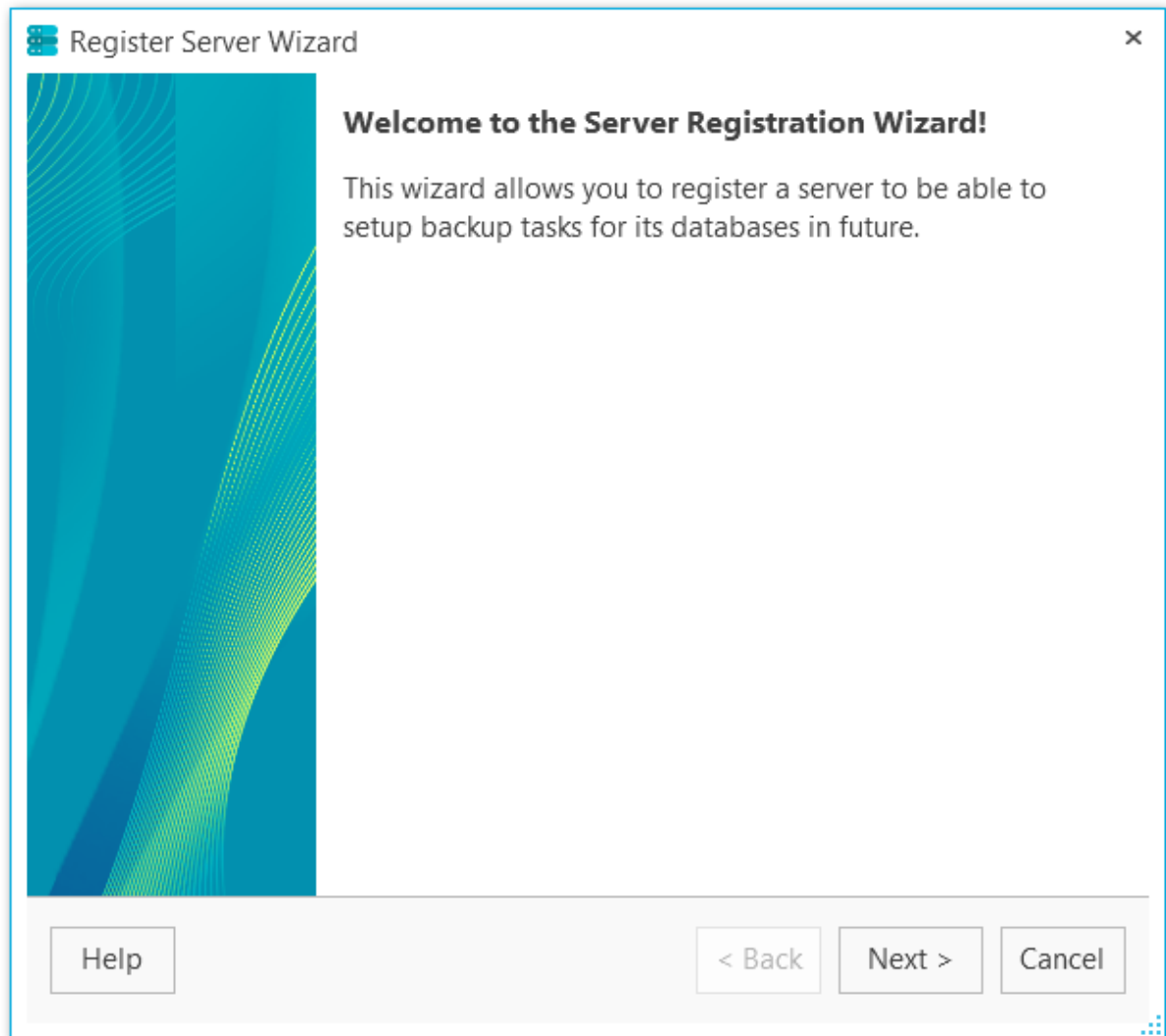
---

### See also:

[Server registration info](#)

### 2.1.1 Welcome to register server wizard

The first step displays general information about the wizard.



[Next step >>](#)

### 2.1.2 Specifying connection parameters

This step provides you with major set of options required to register a server.

**Host**

Define the server name or its IP address.

**Alias**

Define the server alias which is displayed in the program. By default, a server alias is the same as <server\_name>.

**DB to connect**

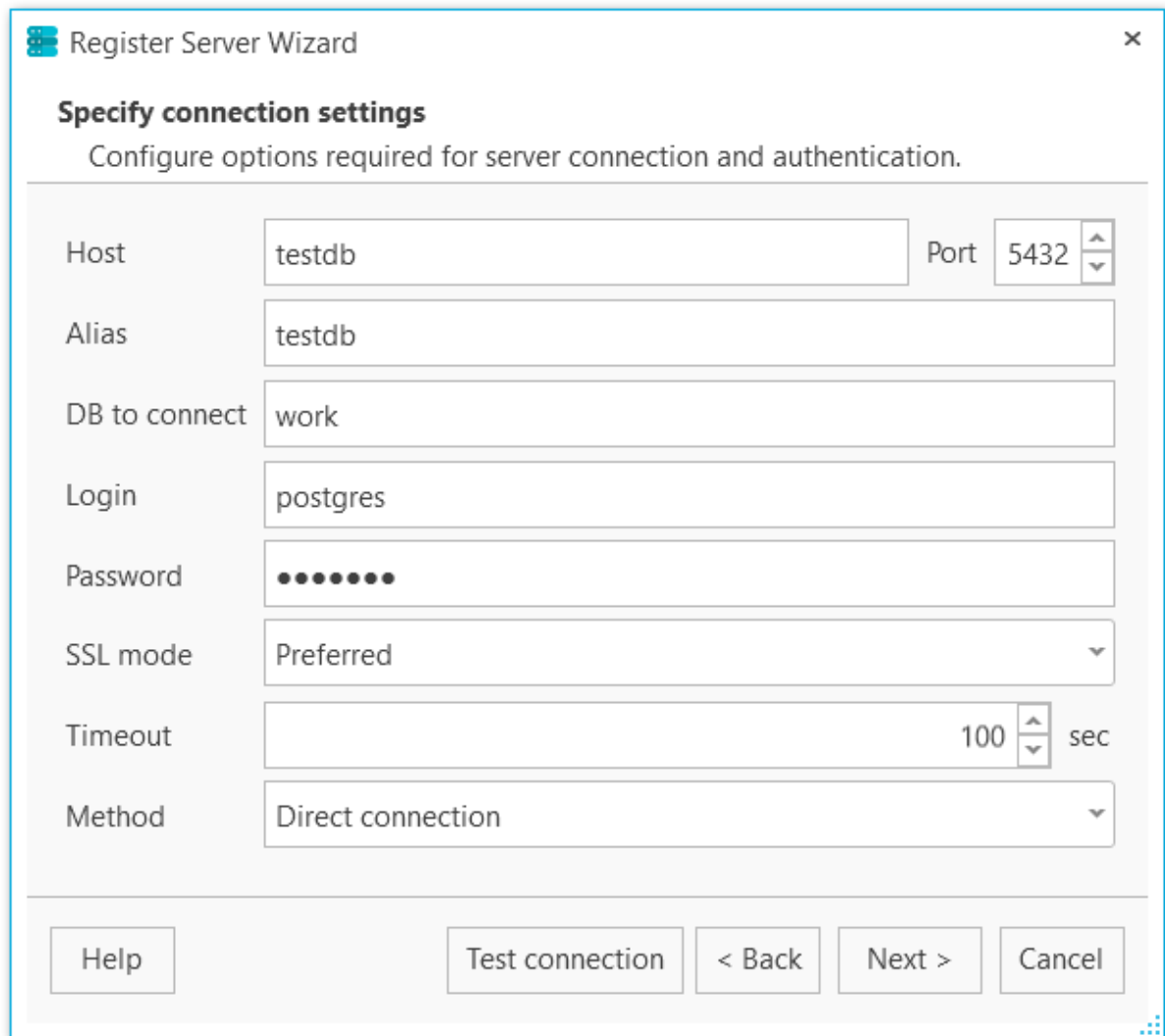
Input the name of the database for automatic connection.

**Login**

Input the user name to connect to the server.

**Password**

Specify the password for the selected user.



The image shows a 'Register Server Wizard' dialog box with a title bar containing a blue icon and a close button. The main title is 'Specify connection settings' with a subtitle 'Configure options required for server connection and authentication.' Below this are several input fields: 'Host' (text box with 'testdb'), 'Port' (spin box with '5432'), 'Alias' (text box with 'testdb'), 'DB to connect' (text box with 'work'), 'Login' (text box with 'postgres'), 'Password' (password field with 8 dots), 'SSL mode' (dropdown menu with 'Preferred' selected), 'Timeout' (spin box with '100' and 'sec' label), and 'Method' (dropdown menu with 'Direct connection' selected). At the bottom are five buttons: 'Help', 'Test connection', '< Back', 'Next >', and 'Cancel'.

Host	testdb	Port	5432
Alias	testdb		
DB to connect	work		
Login	postgres		
Password	••••••••		
SSL mode	Preferred		
Timeout		100	sec
Method	Direct connection		

Buttons: Help, Test connection, < Back, Next >, Cancel

**SSL mode**

Select the required SSL mode: *Disabled*, *Preferred* or *Required*.

**Timeout**

Use this option to restrict time for connecting to the server.

**Method**

Select direct connection to the server or connection via SSH tunnel. Set SSH tunnelling options at the [next step](#).

**Test connection**

You can test specified connection settings by pressing this button.

[<< Previous step](#)

[Next step >>](#)



### 2.1.3 Specifying tunneling settings

Set the tunneling options, if **SSH tunnel** method was selected at the [previous step](#).

**Host**

Input the name of the host where SSH server is running.

**Port**

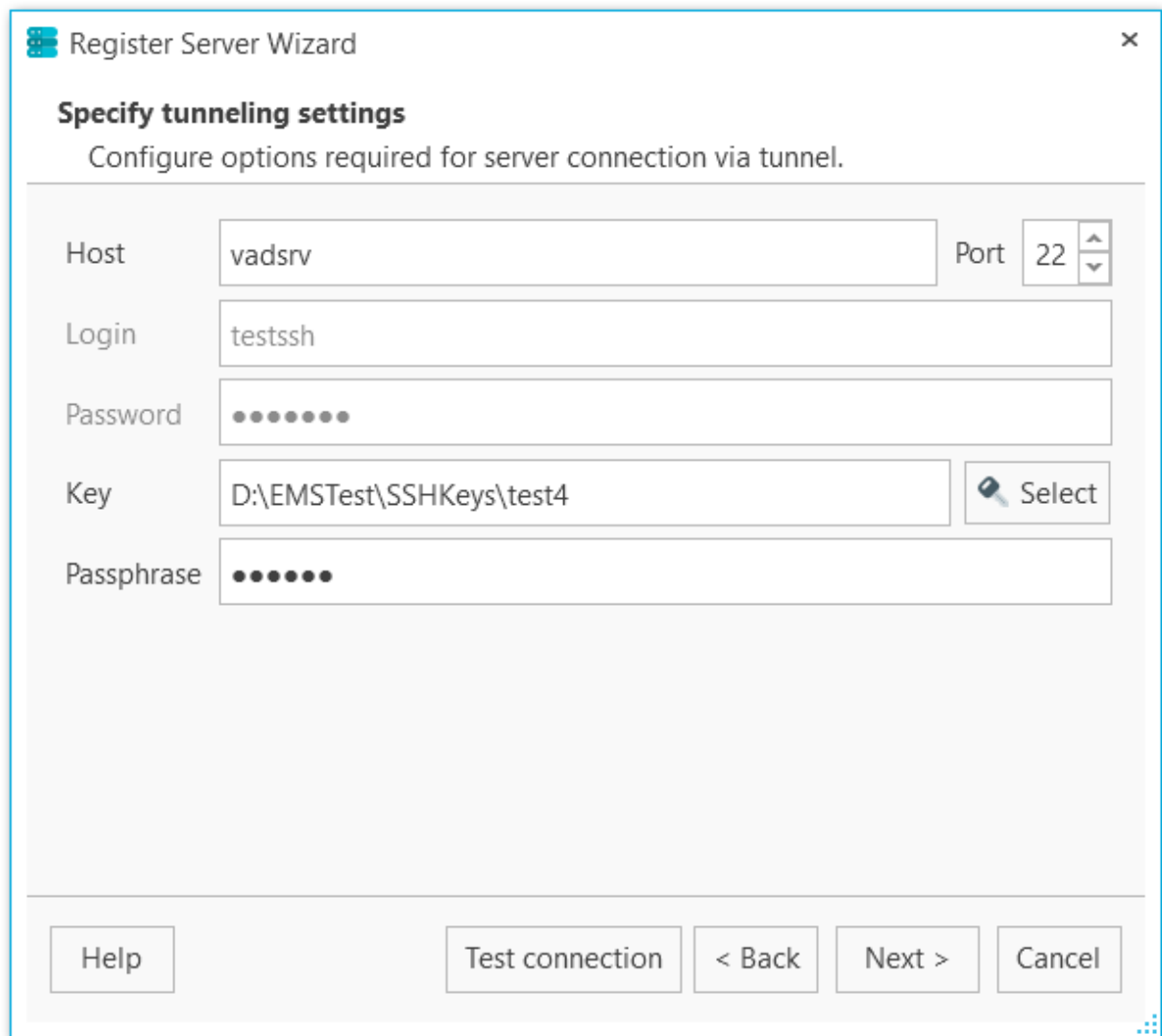
Set the port value where SSH server is activated.

**Login**

Specify the user on the machine where SSH server is running.

**Password**

Specify the password for the selected user.



The image shows a Windows-style dialog box titled "Register Server Wizard" with a close button (X) in the top right corner. Below the title bar, the section "Specify tunneling settings" is displayed, followed by the instruction "Configure options required for server connection via tunnel." The dialog contains several input fields: "Host" with the text "vadsrv", "Port" with a numeric spinner set to "22", "Login" with the text "testssh", "Password" with masked characters (dots), "Key" with the text "D:\EMSTest\SSHKeys\test4" and a "Select" button with a key icon, and "Passphrase" with masked characters (dots). At the bottom of the dialog, there are five buttons: "Help", "Test connection", "< Back", "Next >", and "Cancel".

**Key**

Select the private key file for authentication.


**Passphrase**

Enter the passphrase.


[<< Previous step](#)

[Next step >>](#)

### 2.1.4 Selecting backup storages

At this step you need to select at least one backup storage to store database backup(s). The backup target destination can be created on the  **Backup storages** tab in the main program window.

Use the ☒ **Select All** or ☐ **Unselect All** buttons to select or unselect all the storages at once. The ☒ **Invert Selection** button allows you to reverse the storage selection.

Use the  **Register backup storage** button to launch the [Register backup storage wizard](#).

#### **Backup protection**

Select encryption type for the selected storage(s). Note, that Blowfish and AES algorithms are supported in Standard and Professional license type only.

#### **Password**

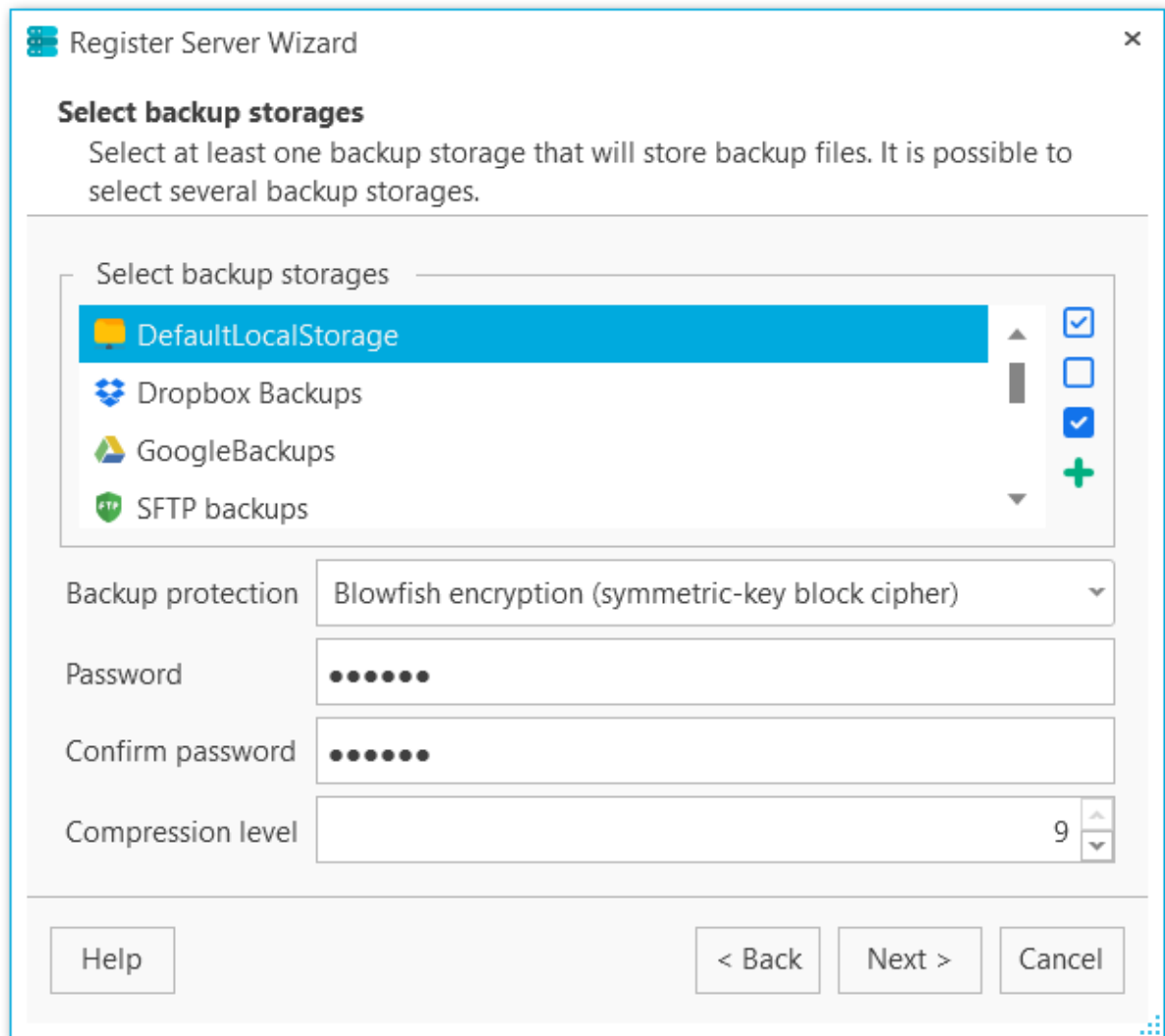
Set the password for backup files.

#### **Confirm password**

Re-enter the password.

#### **Compression level**

This control allows you to set the compression level for all backup files sent to storage. The values are ranged 0-9. Select 0 if no compression is needed.



The image shows a screenshot of the "Register Server Wizard" window, specifically the "Select backup storages" step. The window has a title bar with a close button. Below the title bar, the text "Select backup storages" is followed by instructions: "Select at least one backup storage that will store backup files. It is possible to select several backup storages." Below this is a list of backup storage options: "DefaultLocalStorage" (selected with a blue background and a checkmark), "Dropbox Backups" (with a checkbox), "GoogleBackups" (with a checkbox), and "SFTP backups" (with a checkbox and a green plus icon to its right). Below the list are four input fields: "Backup protection" (set to "Blowfish encryption (symmetric-key block cipher)"), "Password" (masked with dots), "Confirm password" (masked with dots), and "Compression level" (set to 9). At the bottom are four buttons: "Help", "< Back", "Next >", and "Cancel".

Register Server Wizard

**Select backup storages**

Select at least one backup storage that will store backup files. It is possible to select several backup storages.

Select backup storages

- ☒ DefaultLocalStorage
- ☐ Dropbox Backups
- ☐ GoogleBackups
- ☐ SFTP backups

Backup protection: Blowfish encryption (symmetric-key block cipher)

Password: .....

Confirm password: .....

Compression level: 9

Help < Back Next > Cancel

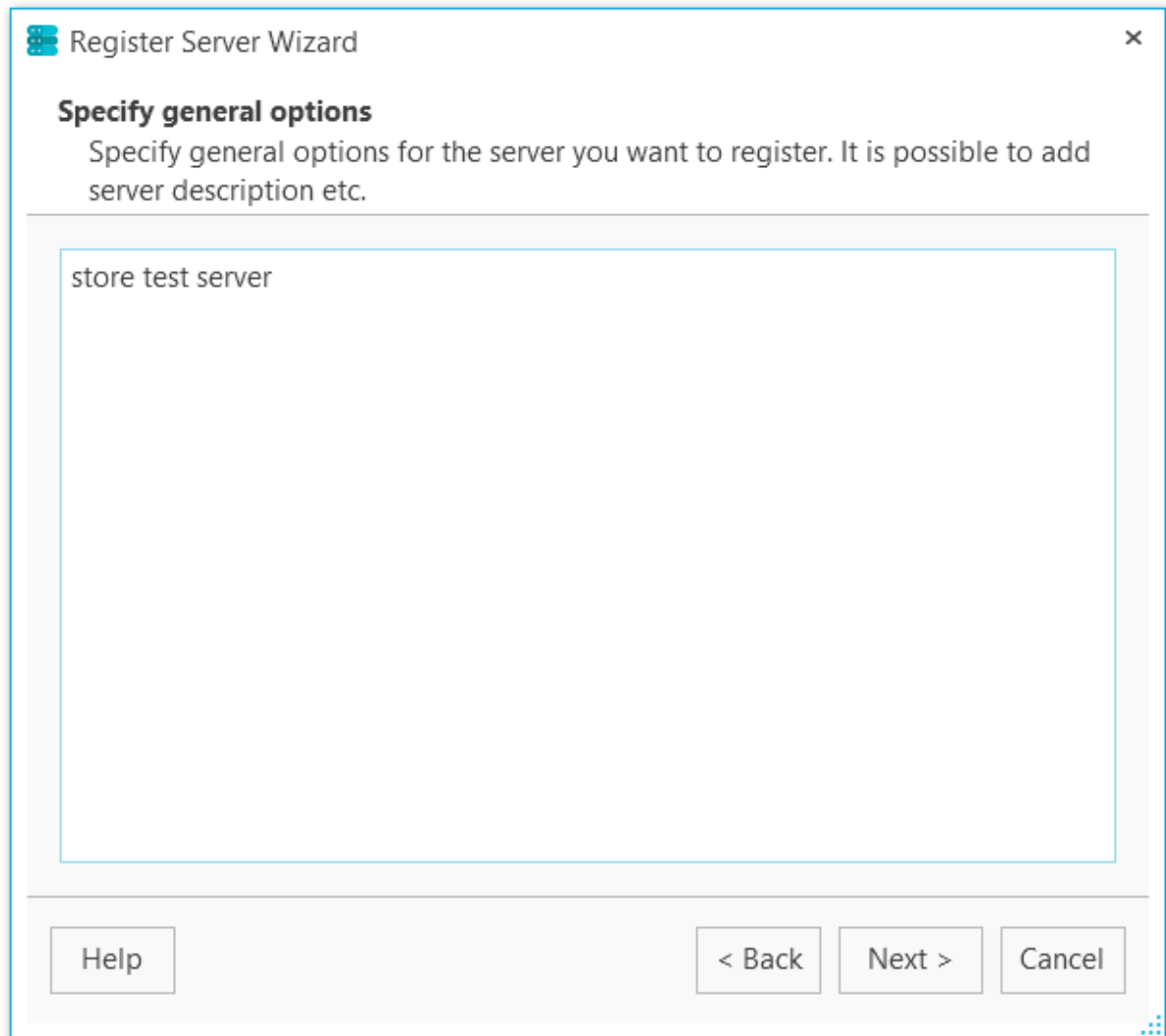
Select one or more targets and click the **Next** button.

[<< Previous step](#)

[Next step >>](#)

### 2.1.5 Setting general options

At this step of the wizard input the description for the server being registered.



The image shows a Windows-style dialog box titled "Register Server Wizard" with a close button (X) in the top right corner. Below the title bar, the text "Specify general options" is displayed in bold, followed by a descriptive sentence: "Specify general options for the server you want to register. It is possible to add server description etc." Below this text is a large, empty text input area. The text "store test server" is visible at the top left of this input area. At the bottom of the dialog box, there are four buttons: "Help" on the left, and "< Back", "Next >", and "Cancel" on the right. A small icon of four dots is located in the bottom right corner of the dialog box.

[<< Previous step](#)

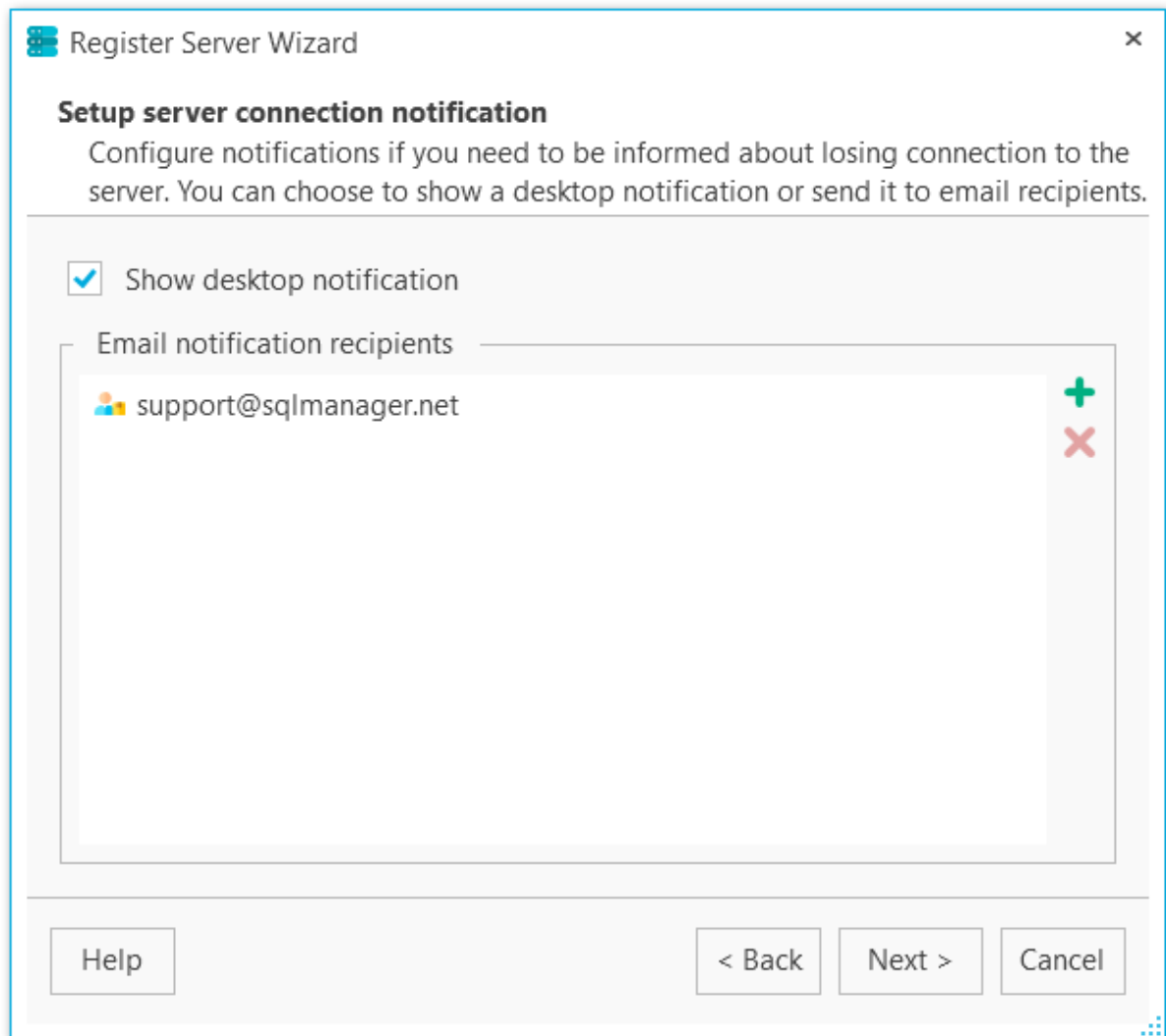
[Next step >>](#)

### 2.1.6 Setting notification options

If needed, enable sending notifications on losing connection to the server being registered.

☒ **Show desktop notification**

Enable the option to display desktop notifications on connection lost.



#### Email notification recipients

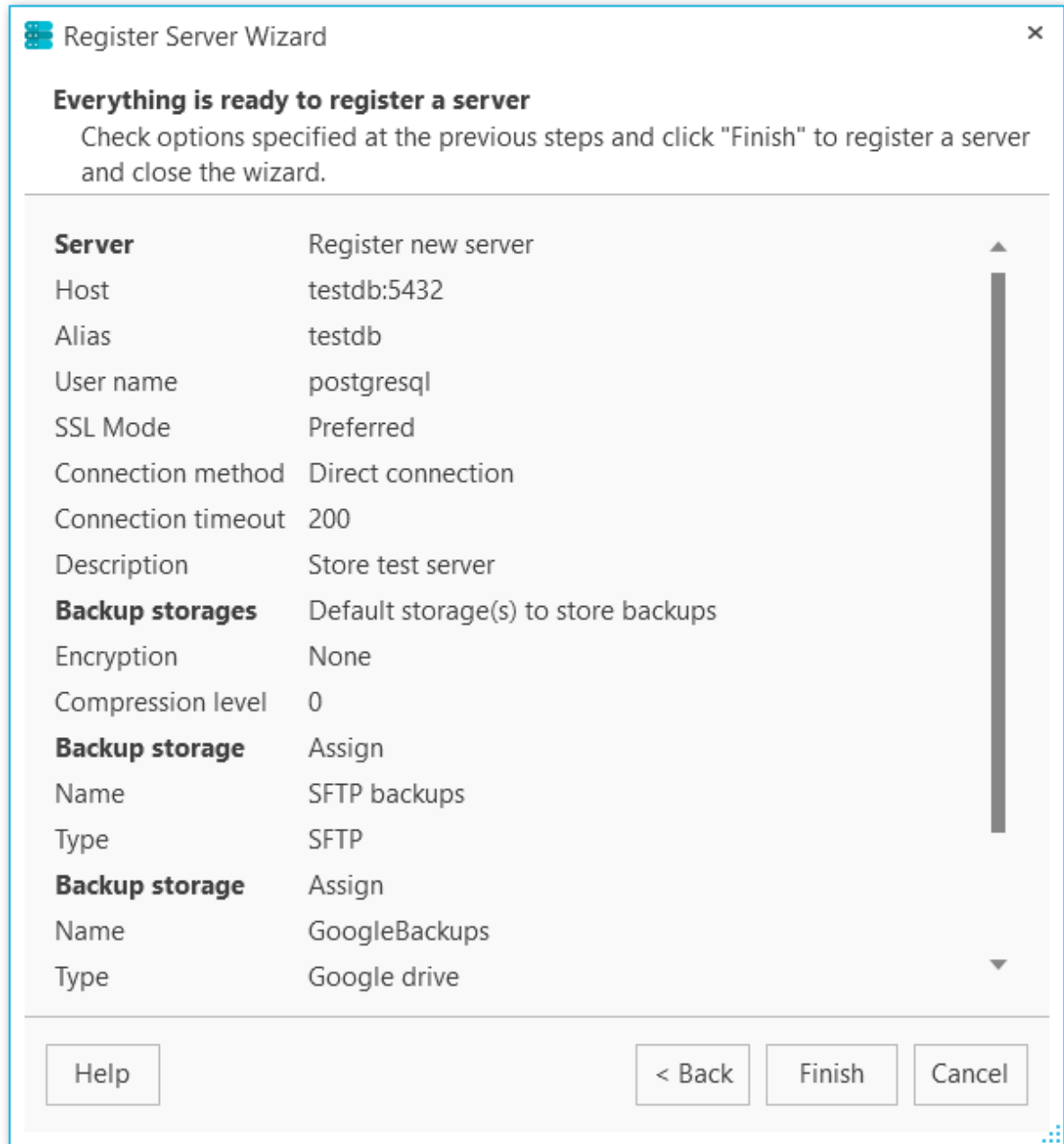
[Add](#) email address for sending out lost connection info messages.

[<< Previous step](#)

[Next step >>](#)

### 2.1.7 Performing the operation


This step informs you that all necessary options have been set, and you can start the process.

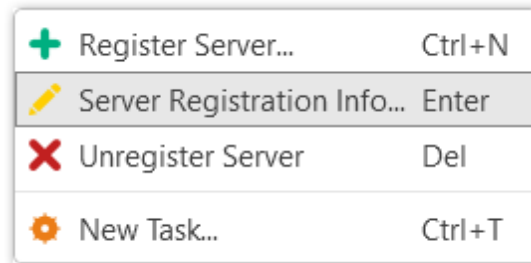


Press the **Finish** button to register the server.

[<< Previous step](#)

## 2.2 Server registration info

**Server registration info** window displays settings that have been defined on [server registration](#). To open it use  **Server registration info** context menu item in server explorer.



Use this dialog to view and edit registration properties of the server:

[Server connection info](#)

[SSH settings](#)

[Backup storages](#)

[General settings](#)

[Notifications](#)

---

### See also:

[Register Server Wizard](#)



## 2.2.1 Server connection info

This tab allows you to view and edit connection properties for the selected server.

### Host

Define the server name or its IP address.

### Alias

Define the server alias which is displayed in the program. By default, a server alias is the same as <server\_name>.

### DB to connect

Input the name of the database for automatic connection.

### Login

Input the user name to connect to the server.

### Password

Specify the password for the selected user.

Server Registration Info Editor

Connection	Host	tester1	Port	54111
SSH settings	Alias	tester1		
Backup storages	DB to connect	postgres		
Description	Login	postgres		
Notifications	Password	••••••••		
	SSL mode	Preferred		
	Timeout	100	sec	
	Method	Direct connection		

Help Test connection OK Cancel

### SSL mode

Select the required SSL mode: *Disabled, Preferred, Required*.

### Timeout

Use this option to restrict time for connecting to the server.

**Method**

Select direct connection to the server or connection via SSH tunnel.

**Test connection**

You can test specified connection settings by pressing this button.

### 2.2.2 SSH settings

At this tab you can edit tunneling options, if SSH tunnel method was selected for the server.

**Host**

Input the name of the host where SSH server is running.

**Port**

Set the port value where SSH server is activated.

**Login**

Specify the user on the machine where SSH server is running.

**Password**

Specify the password for the selected user.

Server Registration Info Editor

Connection Host vadsrv Port 22

SSH settings Login testssh

Backup storages Password .....

Description Key D:\EMS\SSH\sshtest\id\_rsa.ppk Select

Notifications Passphrase .....

Help OK Cancel

**Key**


Select the private key file for authentication.

**Passphrase**


Enter the passphrase.

### 2.2.3 Backup storages

At this tab you can manage backup storages for the selected server. The backups created for this server will be automatically sent to all selected devices.

Also these settings will be used as default for  **Quick backup** operation.

Use the ☒ **Select All** or ☐ **Unselect All** buttons to select or unselect all the storages at once. The ☒ **Invert Selection** button allows you to reverse the storage selection.

Use the  **Register backup storage** button to launch the [Register backup storage wizard](#).

#### **Backup protection**

Select encryption type for the selected storage. Note, that Blowfish and AES algorithms are supported in Standard and Professional license type only.

#### **Password**

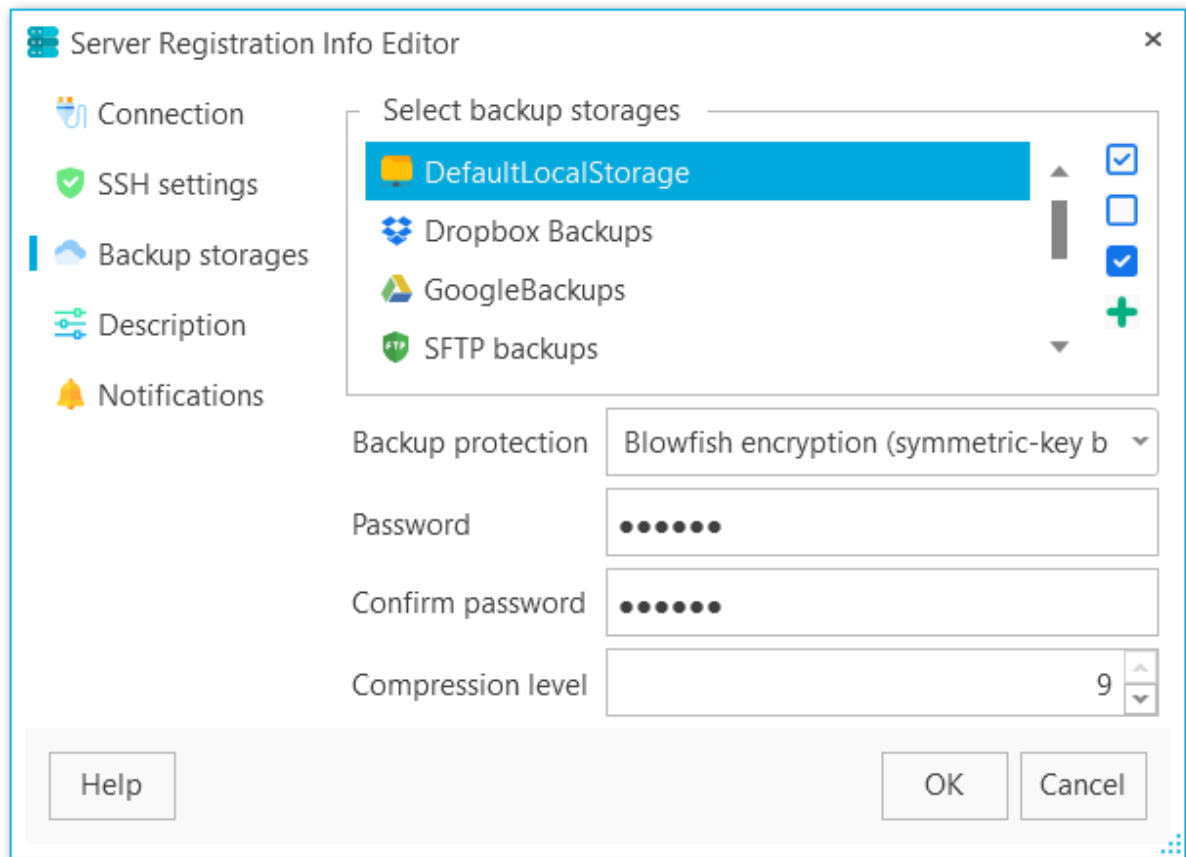
Set the password for backup files.


#### **Confirm password**

Re-enter the password.

#### **Compression level**

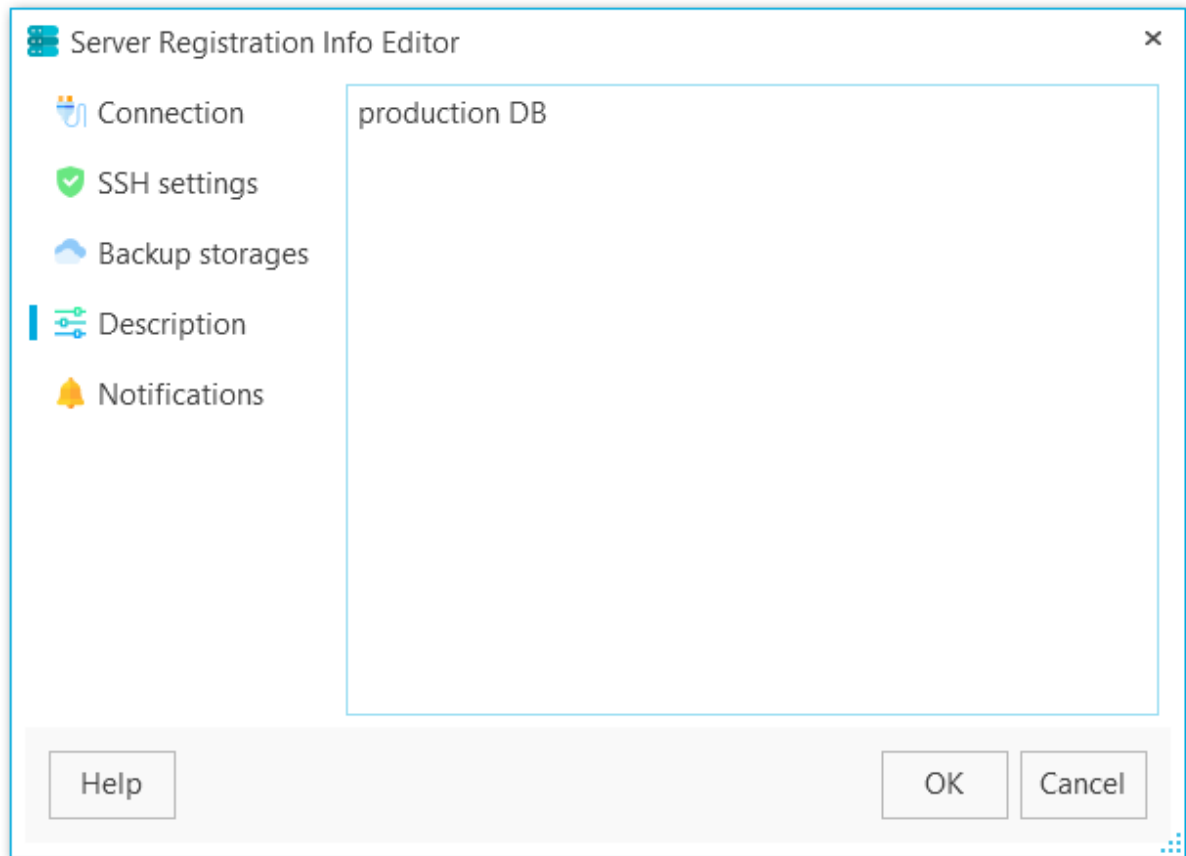
This control allows you to set the compression level for all backup files sent to storage. The values are ranged 0-9. Select 0 if no compression is needed.



Click the highlighted item to remove it from the list of active storages. The list of available storages can be edited on  **Backup storages** tab. You can add new destinations with [Register backup storage](#) wizard.

### 2.2.4 General settings

At this tab you can view and edit server description.



## 2.2.5 Notifications

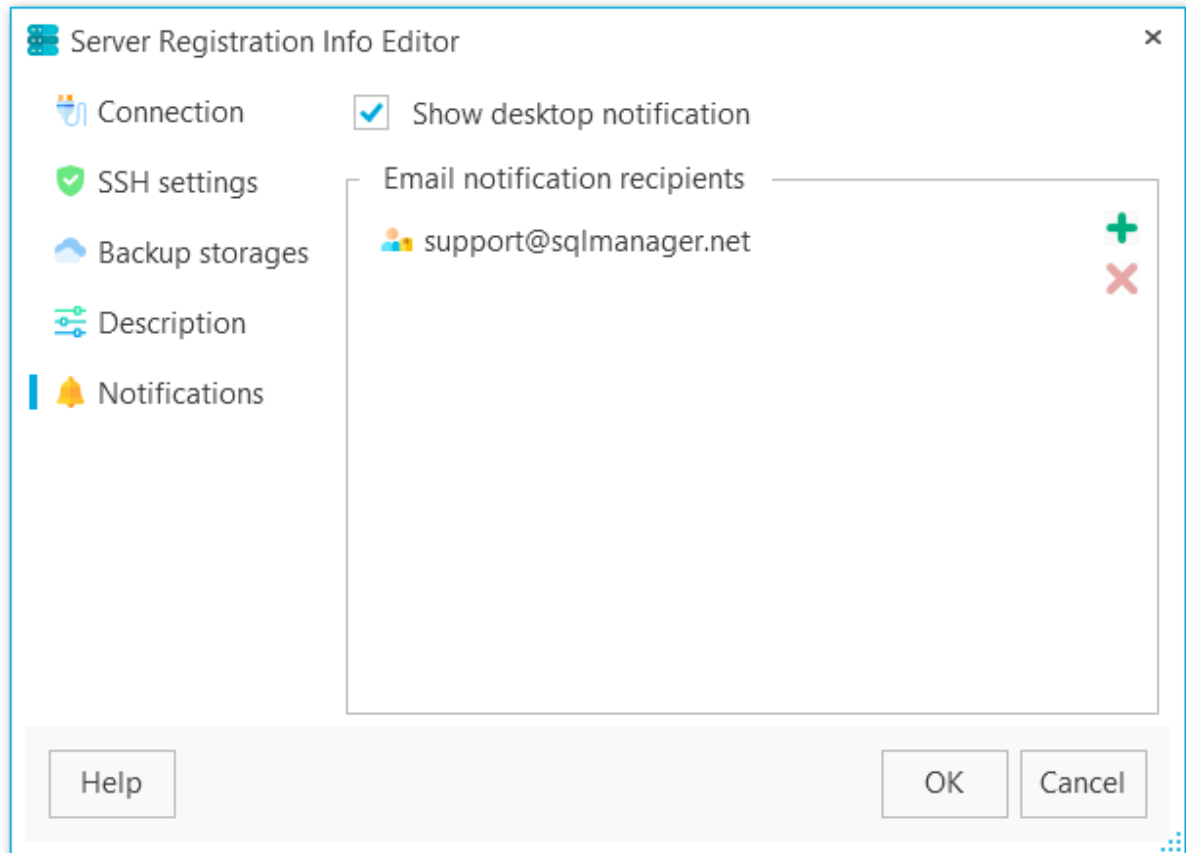
Add or edit notification type to be sent on losing connection to the server.

### ☒ **Show desktop notification**

Enable the option to display desktop notifications on connection lost.

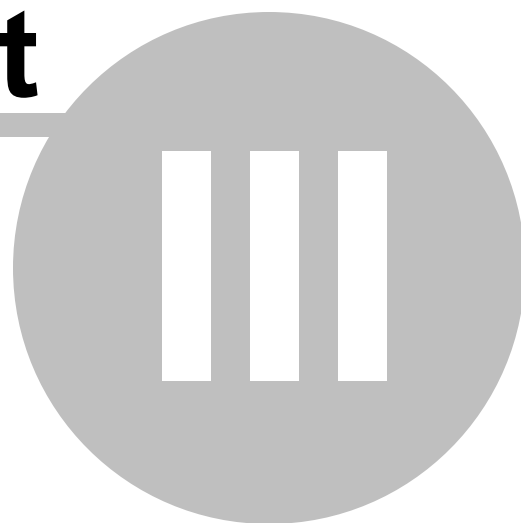
### **Email notification recipients**

[Add](#) or remove email address for sending out lost connection info messages.





# Part

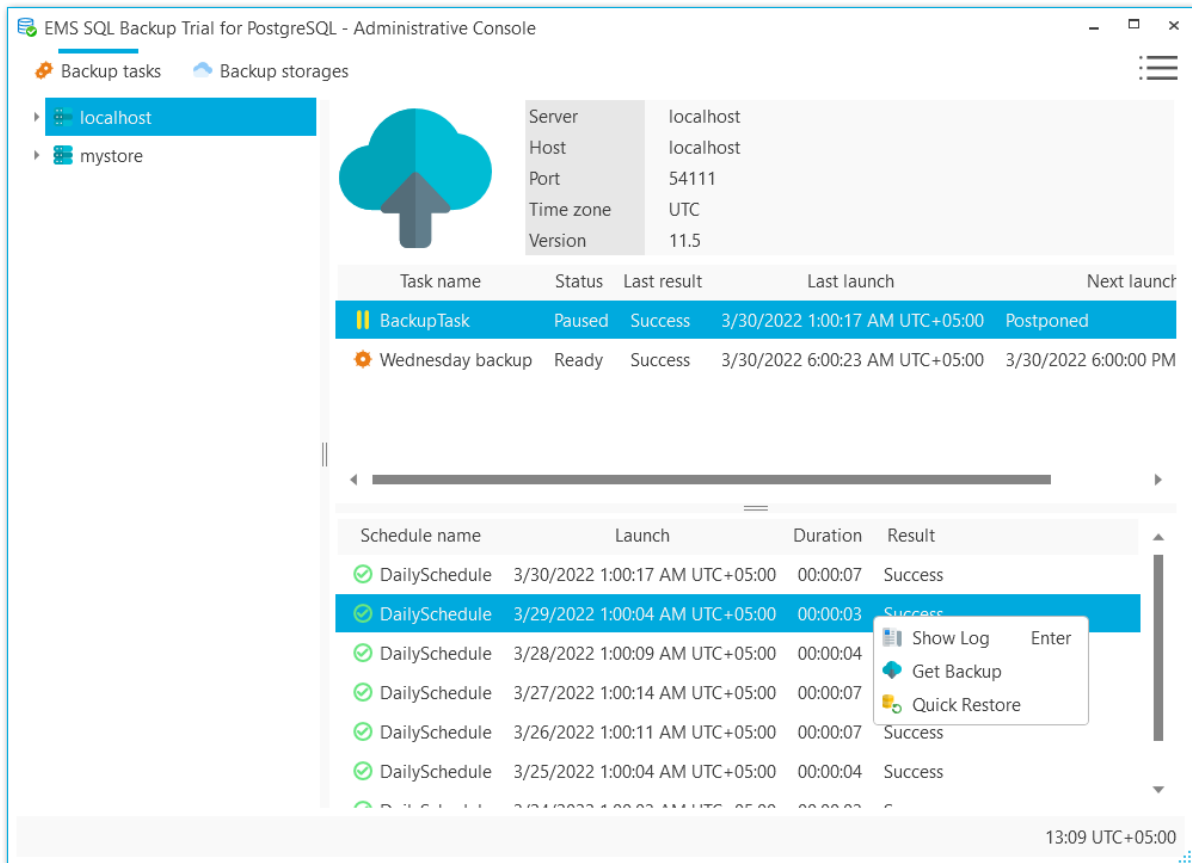
---





### 3 Backup tasks

On the  **Backup tasks** tab you can view general information about the server, launch  **Quick backup**, backup database from the server popup menu (**Backup database...**), create new tasks and get info about currently running tasks.



The screenshot shows the 'Backup tasks' tab in the EMS SQL Backup Trial for PostgreSQL - Administrative Console. The left sidebar shows a tree view with 'localhost' and 'mystore'. The main area displays server information and a table of backup tasks.

Task name	Status	Last result	Last launch	Next launch
BackupTask	Paused	Success	3/30/2022 1:00:17 AM UTC+05:00	Postponed
Wednesday backup	Ready	Success	3/30/2022 6:00:23 AM UTC+05:00	3/30/2022 6:00:00 PM

Schedule name	Launch	Duration	Result
DailySchedule	3/30/2022 1:00:17 AM UTC+05:00	00:00:07	Success
DailySchedule	3/29/2022 1:00:04 AM UTC+05:00	00:00:03	Success
DailySchedule	3/28/2022 1:00:09 AM UTC+05:00	00:00:04	Success
DailySchedule	3/27/2022 1:00:14 AM UTC+05:00	00:00:07	Success
DailySchedule	3/26/2022 1:00:11 AM UTC+05:00	00:00:07	Success
DailySchedule	3/25/2022 1:00:04 AM UTC+05:00	00:00:04	Success

A context menu is open over the 'DailySchedule' row, showing options: 'Show Log', 'Get Backup', and 'Quick Restore'. The 'Show Log' option is highlighted.

All task launches are displayed in the area below. To get [extended info](#) about backup process use **Show log** popup menu item.

You can use [Quick restore](#) from the launches popup menu to restore the database to the selected state or download the backup file with [Get Backup](#) option.

#### See also:

[Backup database wizard](#)

[Create task wizard](#)

[Task editor](#)

[Create schedule wizard](#)


[Executing tasks](#)

[Getting backup from history](#)

[Quick restore](#)

[Backup log](#)

## 3.1 Backup database wizard

This wizard guides you through backup process. To launch the wizard select the database in the Database explorer and select  **Backup database** item from the popup menu.

### Steps

[Welcome step](#)

[Specifying backup source](#)

[Specifying backup storage](#)

[Defining backup file options](#)

[Specifying content of backup](#)

[Configuring objects filter](#)

[Configuring structure of backup script](#)

[Configuring backup security options](#)

[Performing operation](#)

[Backup process log](#)

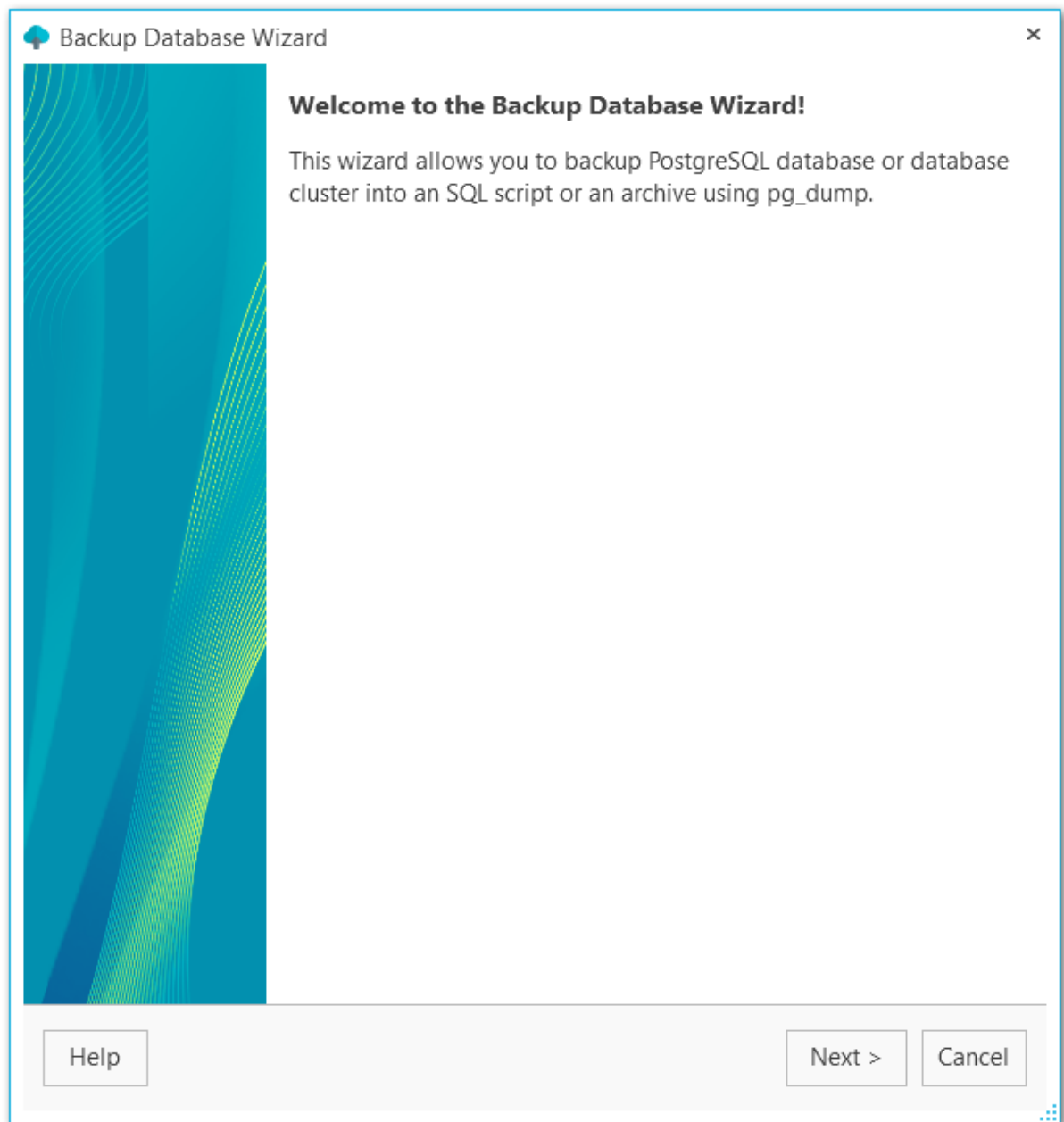
---

### See also:

[Create task wizard](#)

### 3.1.1 Welcome step

The first step displays general information about the wizard.



[Next step >>](#)

### 3.1.2 Specifying backup source

At this step you need to select the database(s) to create backup for.

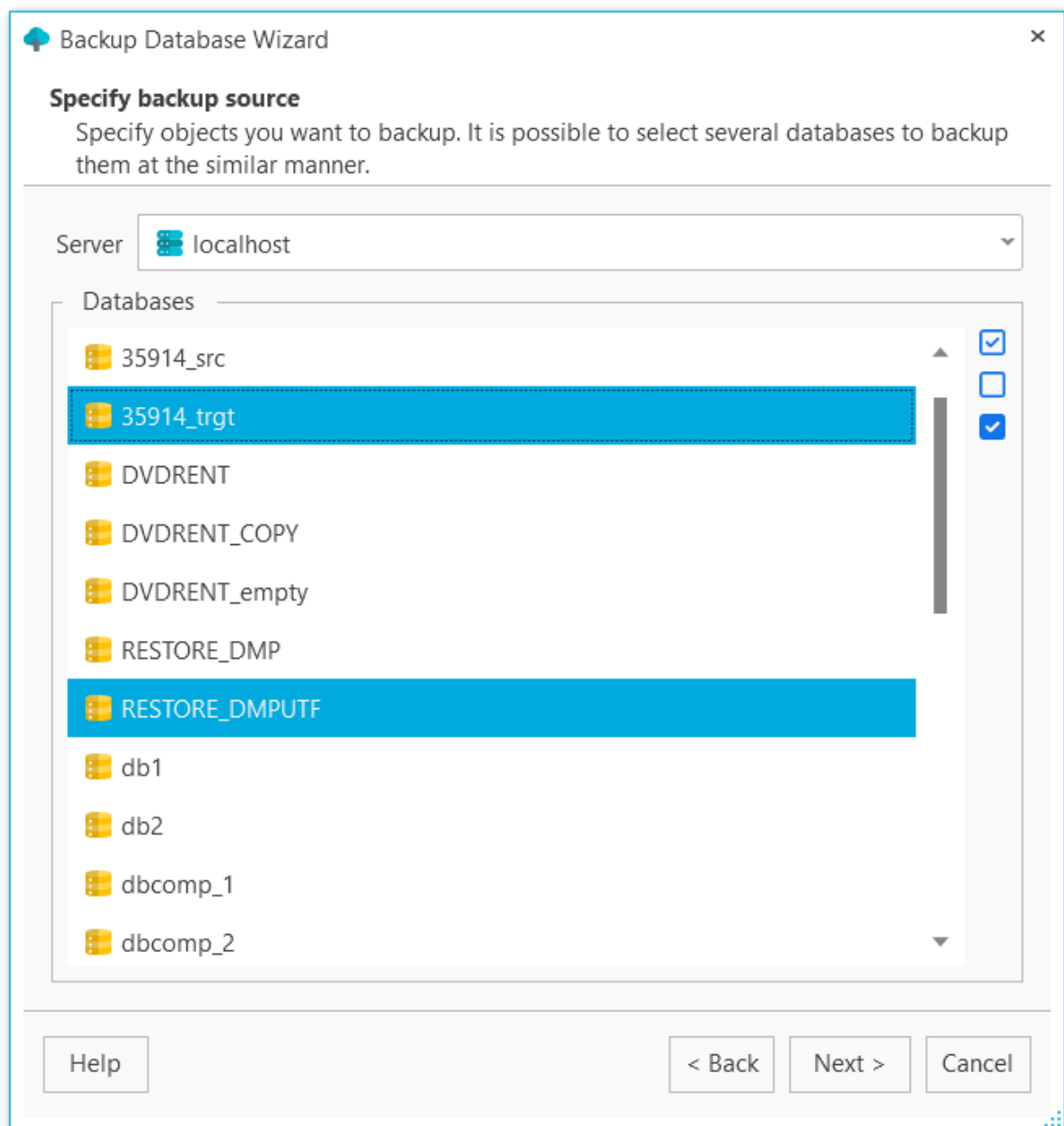
Use the ☒ **Select All** or ☐ **Unselect All** buttons to select or unselect all the servers at once. The ☒ **Invert Selection** button allows you to reverse the server selection.

#### Server

Select the server for creating backup.

#### Databases

Highlight the database name to add it to the list for creating backups.




[<< Previous step](#)[Next step >>](#)

### 3.1.3 Specifying backup storage

Select the storage(s) to send backup files to. You can select more than one [storage](#).

Use the ☒ **Select All** or ☐ **Unselect All** buttons to select or unselect all the storages at once. The ☒ **Invert Selection** button allows you to reverse the storage selection.

Use the  **Register backup storage** button to launch the [Register backup storage wizard](#).

#### **Backup protection**

Select encryption type for the selected storage. Note, that Blowfish and AES algorithms are supported in Standard and Professional license type only.

#### **Password**

Set the password for backup files.

#### **Confirm password**

Re-enter the password.

#### **Compression level**

This control allows you to set the compression level for all backup files sent to storage. The values are ranged 0-9. Select 0 if no compression is needed.

The screenshot shows the 'Backup Database Wizard' window. The title bar says 'Backup Database Wizard' with a close button. The main heading is 'Select backup storages'. Below it, a text box says: 'Select at least one backup storage that will store backup files. It is possible to select several backup storages.'

Below the text is a list of backup storage options, each with an icon and a checkbox on the right:

- DefaultLocalStorage (checked)
- Dropbox (unchecked)
- Google Drive (checked)
- SFTP (unchecked)
- Local folder (unchecked)

There is a green plus sign at the bottom right of the list, indicating more options can be added.

Below the list are four input fields:

- Backup protection: A dropdown menu showing 'Password protected Zip archive ("Deflate" algorithm)'.
- Password: A text box with 10 dots.
- Confirm password: A text box with 10 dots.
- Compression level: A text box with '9' and up/down arrows.

At the bottom are four buttons: 'Help', '< Back', 'Next >' (highlighted with a dashed blue border), and 'Cancel'.

[<< Previous step](#)[Next step >>](#)

### 3.1.4 Defining backup file options

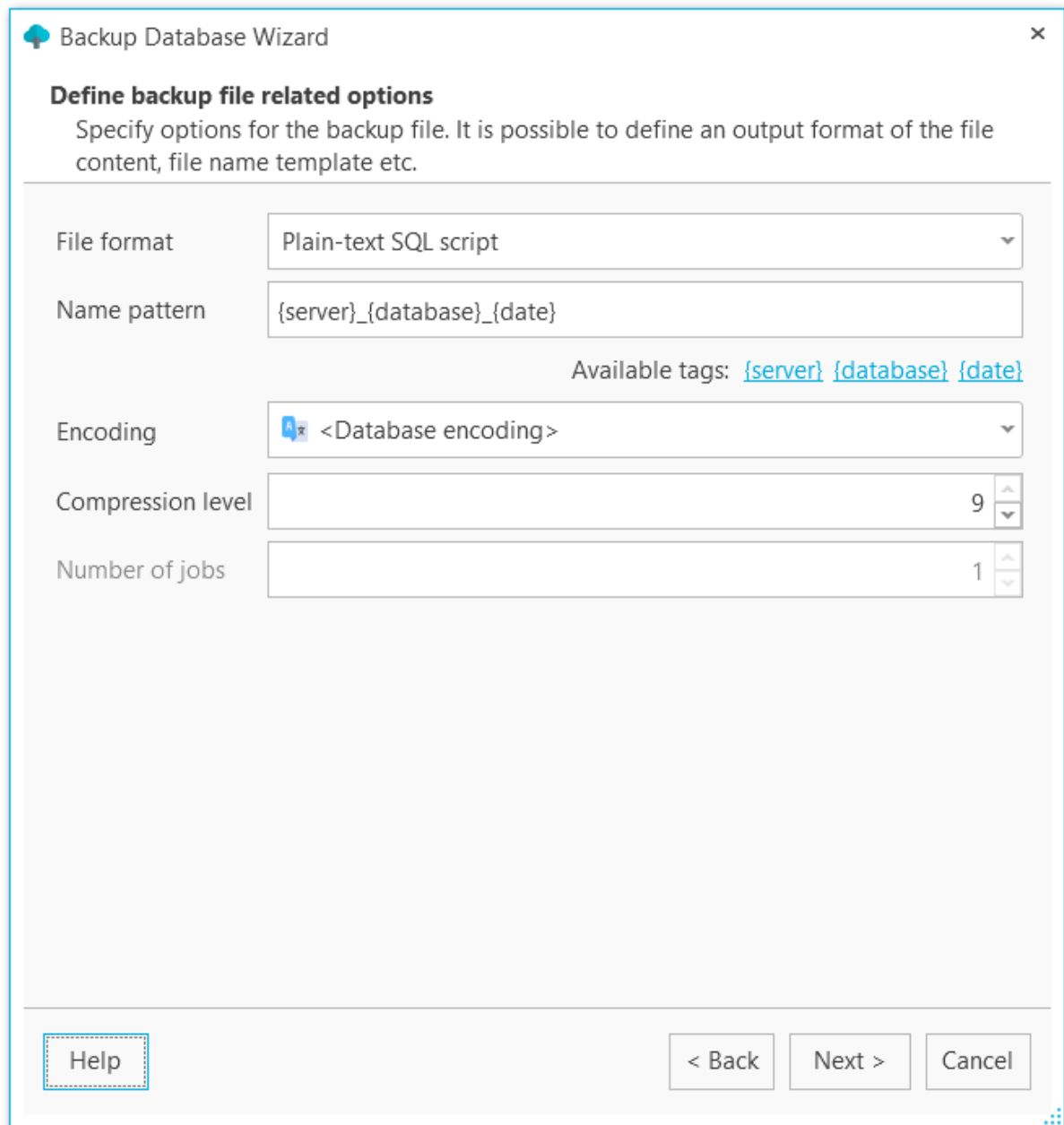
At this step you can set options for the backup result file.

#### File format

Select the output file format: *Plain-text SQL script*, *Custom gzip archive file*, *Tar archive* or *Directory-format archive file*.

#### Name pattern

Set the name for the output file. You can use {server}, {database}, {date} tags.



The screenshot shows a window titled "Backup Database Wizard" with a close button (X) in the top right corner. The main heading is "Define backup file related options", followed by a descriptive text: "Specify options for the backup file. It is possible to define an output format of the file content, file name template etc." Below this, there are several configuration fields:

- File format:** A dropdown menu currently showing "Plain-text SQL script".
- Name pattern:** A text input field containing "{server}\_{database}\_{date}".
- Available tags:** A label with three blue links: [{server}](#), [{database}](#), and [{date}](#).
- Encoding:** A dropdown menu showing "<Database encoding>" with a small icon to its left.
- Compression level:** A numeric input field with "9" and up/down arrow buttons.
- Number of jobs:** A numeric input field with "1" and up/down arrow buttons.

At the bottom of the window, there are four buttons: "Help" (highlighted with a dashed border), "< Back", "Next >", and "Cancel".

#### Encoding



Use the drop-down list to select the character set encoding for the output file.

**Compression level**

This control allows you to set the compression level for the backup file. The values are ranged 0-9. Select 0 if no compression is needed.

**Number of jobs**

This options is only available for directory-format backup files and sets the number of executing threads to increase backup speed.

[<< Previous step](#)

[Next step >>](#)

### 3.1.5 Specifying content of backup

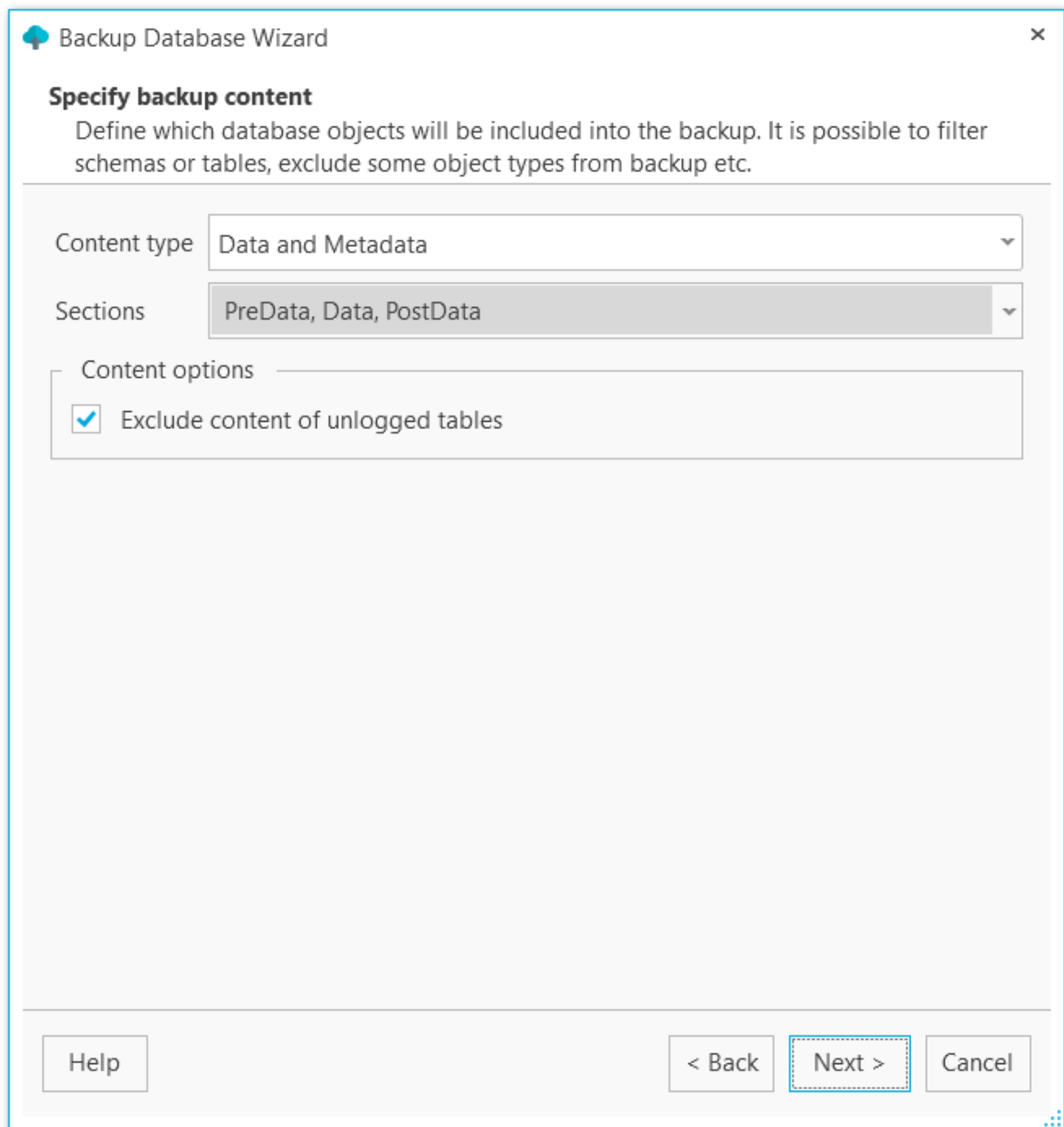
Select what type of data must be backed up.

#### **Content type**

Select whether only data will be backed up (table data, large objects and sequence values), metadata (without table data) or both data and metadata will be added to the backup.

#### **Sections**

Select the sections names to be included into the backup: pre-data (includes all data definition items), data (includes actual table data, large-object contents, and sequence values) or post-data (includes definitions of indexes, triggers, rules, and constraints other than validated check constraints).



The screenshot shows a window titled "Backup Database Wizard" with a close button (X) in the top right corner. The main heading is "Specify backup content", followed by a descriptive text: "Define which database objects will be included into the backup. It is possible to filter schemas or tables, exclude some object types from backup etc." Below this, there are three main sections: "Content type" with a dropdown menu showing "Data and Metadata"; "Sections" with a dropdown menu showing "PreData, Data, PostData"; and "Content options" which contains a list of checkboxes. The first checkbox, "Exclude content of unlogged tables", is checked. At the bottom of the window, there are four buttons: "Help", "< Back", "Next >" (which is highlighted with a dashed blue border), and "Cancel".

**Backup Database Wizard**

**Specify backup content**  
Define which database objects will be included into the backup. It is possible to filter schemas or tables, exclude some object types from backup etc.

Content type: Data and Metadata

Sections: PreData, Data, PostData

Content options

- ☒ Exclude content of unlogged tables

Help      < Back      Next >      Cancel

### Content options

- ☒ **Exclude content of unlogged tables**  
Enable this option not to backup the content of unlogged tables.
- ☒ **Exclude publications**  
Do not include publications into backup.
- ☒ **Exclude subscriptions**  
Do not include subscriptions into backup.
- ☒ **Exclude BLOBs**

Exclude large BLOB objects from the dump.

[<< Previous step](#)

[Next step >>](#)

### 3.1.6 Configuring objects filter

If you don't need to add all data to the backup file you can set filters what data must be excluded or included.

#### **Objects selection**

Select whether white and black list must be applied to tables or schemas. If you select *Schemas*, it will include all objects that it contains, but doesn't extract any objects it depends on.

#### **White list**

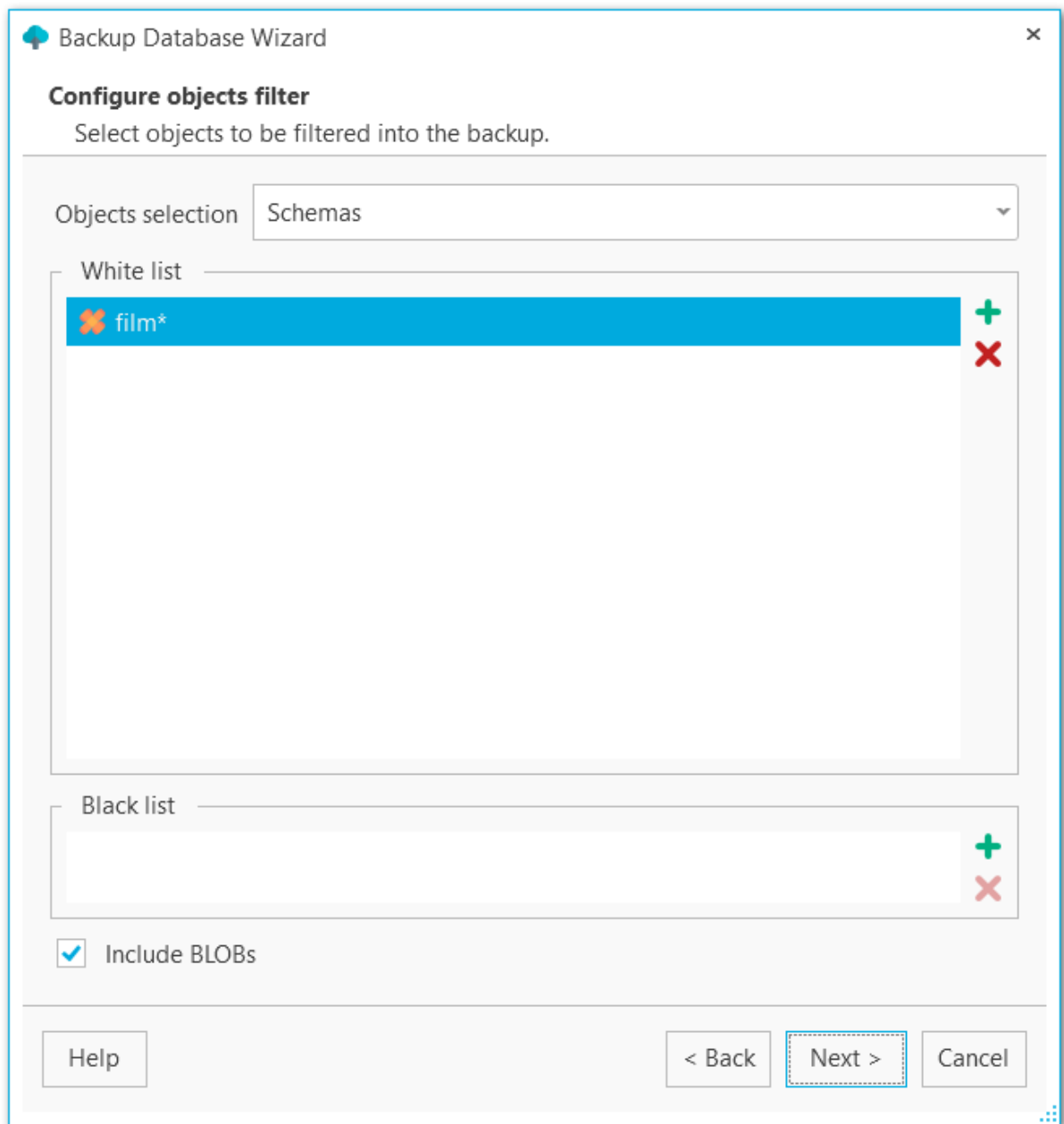
Add object name patterns. Only objects matching the name will be backed up.

#### **Black list**

Add object name patterns. Objects matching the pattern will not be backed up.

**NOTE:** If both white and black lists are added, then the objects that match the white list, but don't match the black list are added to the backup file.

**NOTE:** Tables specified in the white list will be backed up regardless of the filters set for Schemas.



☒ **Include BLOBs**

Set this option to include large objects into the backup.

[<< Previous step](#)

[Next step >>](#)

### 3.1.7 Configuring structure of backup script

Select options for detailed configuring of statements in the backup.

#### **Data queries statement**

Select statements type for data form the list.

##### *COPY*

Dump data as COPY command. This is the fastest way to restore data.

##### *INSERT*

Dump data as INSERT commands. With this option selected the program generates separate commands for each row, which is rather safe, but slow.

##### *INSERT with column names*

Dump data as INSERT commands with explicit column names (INSERT INTO table (column, ...) VALUES ...). It is safe in case of reordering the columns, but very slow.

The screenshot shows a window titled "Backup Database Wizard" with a close button (X) in the top right corner. Below the title bar, the text "Configure structure of the backup script" is displayed, followed by a description: "Specify backup script content. It is possible to choose type of data queries, force to drop objects before creation etc." Below this, there is a "Data queries statement" dropdown menu with "COPY" selected. Underneath, a "Structure options" section contains a list of checkboxes. The checked options are "Drop objects before creation" and "Add IF EXISTS". The unchecked options are "Force to create new database", "Include OIDs into table data", "Disable triggers temporarily", "Disable dollar quoting", "Exclude tablespaces", "Force quoting of all identifiers", "Load data via partition root", and "Add detailed object comments". At the bottom of the window, there are four buttons: "Help", "< Back", "Next >" (which is highlighted with a dashed blue border), and "Cancel".

Backup Database Wizard

**Configure structure of the backup script**  
Specify backup script content. It is possible to choose type of data queries, force to drop objects before creation etc.

Data queries statement: COPY

Structure options

- ☐ Force to create new database
- ☐ Include OIDs into table data
- ☒ Drop objects before creation
  - ☒ Add IF EXISTS
- ☐ Disable triggers temporarily
- ☐ Disable dollar quoting
- ☐ Exclude tablespaces
- ☐ Force quoting of all identifiers
- ☐ Load data via partition root
- ☐ Add detailed object comments

Help      < Back      Next >      Cancel

### Structure options

☒ **Force to create new database**

The script for creating and connecting to the new database will be added.

☒ **Include OIDs to table data**

Enables dumping of object identifiers (OIDs) for tables.

☒ **Drop objects before creation**

The script will contain commands to drop database objects before creating them.

☒ **Add IF EXISTS**



DROP IF EXISTS statements will be generated instead of DROP statements.

☒ **Disable triggers temporarily**

This option can be enabled only for data dump in plain-text format. It adds command to temporarily disable triggers on the target tables while data is being loaded.

☒ **Disable dollar quoting**

This option disables the use of dollar quoting for function bodies, and forces them to be quoted using SQL standard string syntax.

☒ **Exclude tablespaces**

With this option enabled commands for selecting tablespace are not added to the result file.

☒ **Force quoting of all identifiers**

Adds quotes to all identifiers to keep compatibility between different server versions.

☒ **Load data via partition root**

Makes COPY or INSERT statements target the root of the partitioning hierarchy that contains it, rather than the partition itself. This causes the appropriate partition to be re-determined for each row on loading data.

☒ **Add detailed object comments**

Adds detailed logs on backup process to the backup file. Enabling this option considerably increases the result file size.

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### 3.1.8 Configuring backup security options

Set security-related options for the target backup file.

#### Creator role name

Set the role to be used on creating the dump.

#### Superuser

Set the superuser name to disable triggers successfully.

The screenshot shows a window titled "Backup Database Wizard" with a close button in the top right corner. The main heading is "Configure backup security options". Below the heading is a descriptive text: "Specify security related options for the backup. It is possible to choose a role for the backup file creation, disable commands that determine objects ownership etc.".

There are two input fields:

- "Creator role name" with a dropdown menu showing a role icon and "<Session Role>".
- "Superuser" with a text input field containing the placeholder text "Enter superuser user name".

Below these fields is a section titled "Security options" containing a list of checkboxes:

- ☐ Disable object ownership commands
- ☐ Exclude privileges
- ☐ Use session auth for object ownership
- ☒ Exclude security labels
- ☒ Enable row security

At the bottom of the window are four buttons: "Help", "< Back", "Next >" (which is highlighted with a dashed border), and "Cancel".

#### Security options

- ☒ **Disable object ownership commands**

Check this option to restrict adding commands to set objects ownership. This allows script to be restored by any user, providing ownership for all objects.

☒ **Exclude privileges**

Enable this option if you don't need to dump access privileges.

☒ **Use session auth for object ownership**

With this option enabled SET SESSION AUTHORIZATION command is used instead of ALTER OWNER statement.

☒ **Exclude security labels**

Enable this option, if you don't need security labels to be added to the backup file.

☒ **Enable row security**

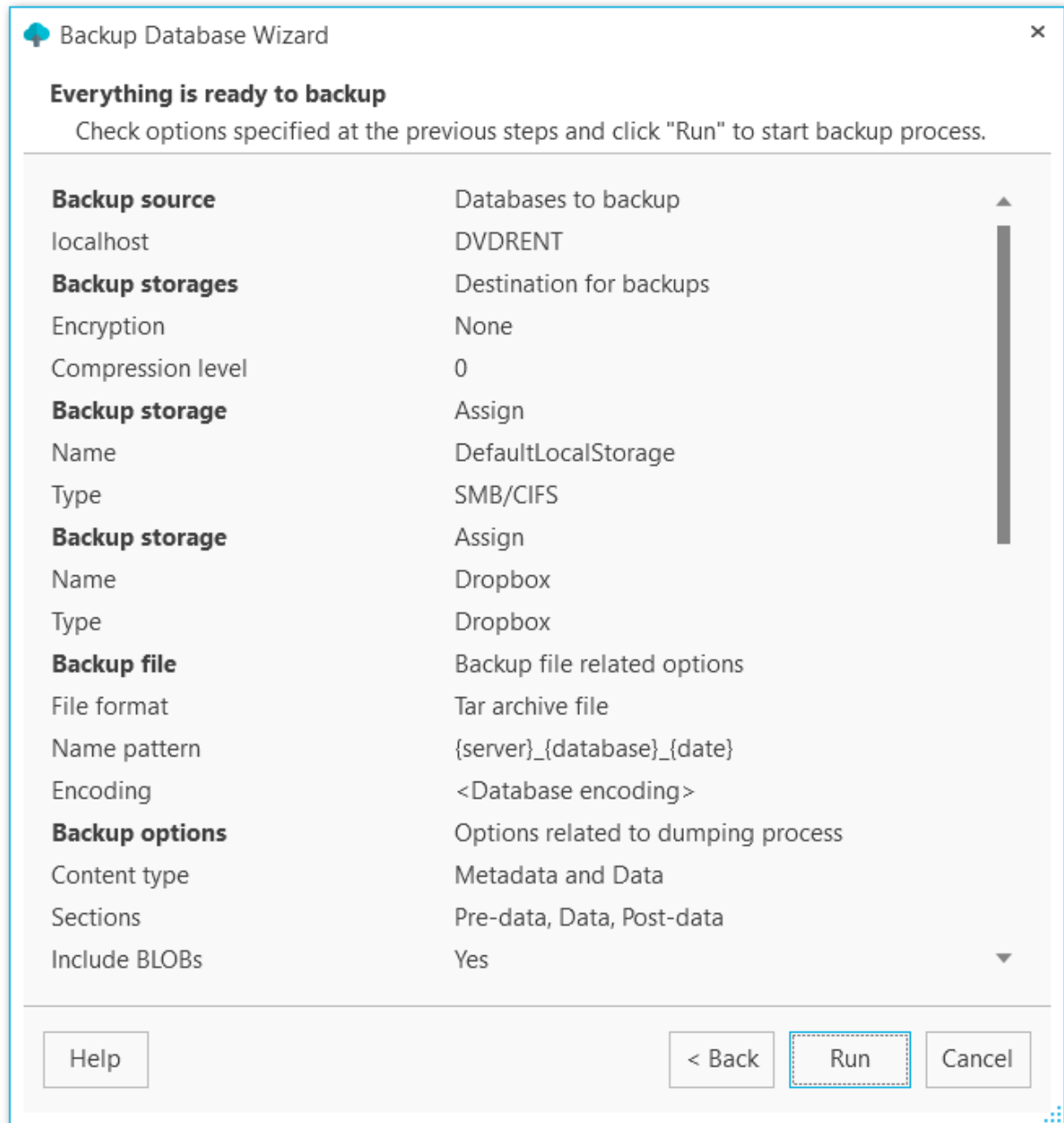
This option enables row security to allow user to create backup for the content he has access to.

[<< Previous step](#)

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### 3.1.9 Performing operation

This step informs you that all necessary options have been set, and you can start the process clicking the **Run** button.

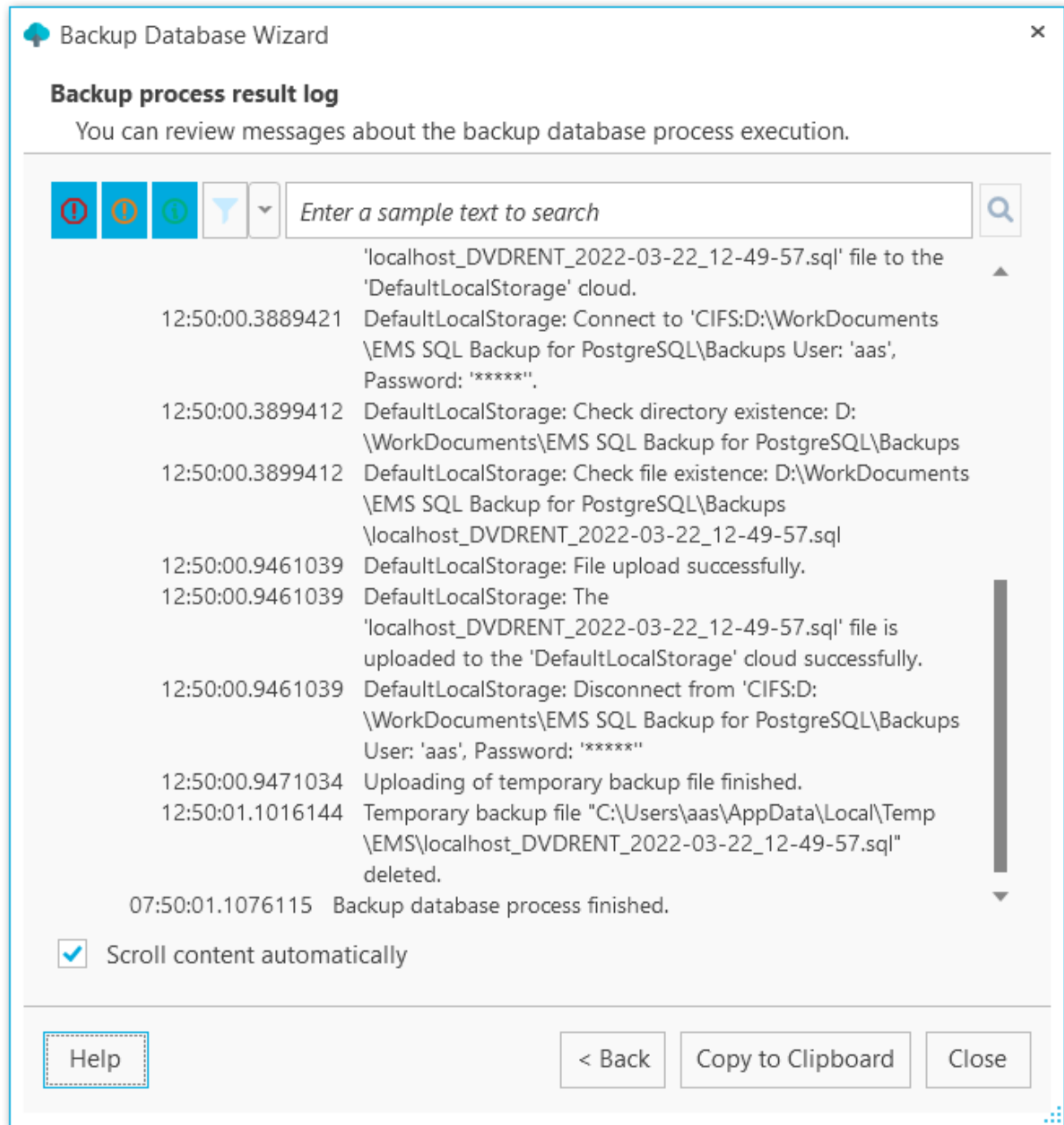


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### 3.1.10 Backup process log

At this step you can see the detailed log about backup process. If needed, enable ☒ **Scroll content automatically** to follow the log output automatically.





You can apply date or text filter for operations list with the **Filter** button. The filter is applied when the button is pressed.



Set dates range with **From** and **Till** parameters or input the text in the **Sample** field to display records containing this text.



From

Tuesday, March 1, 2022 1:24:02 PM  

Till ☒

Sunday, March 13, 2022 2:24:02 PM  

Sample

tester1

Use the search path for **incremental search** in the log.



Use **Copy to Clipboard** button to copy all log content or selected records to the clipboard.

[<< Previous step](#)

## 3.2 Create task wizard

This wizard guides you through creating the automated backup task, that is run by the schedule. To launch the wizard open the popup menu in the Database explorer and select

 **New task** item.

### Steps

[Welcome step](#)

[Specifying backup source](#)

[Specifying backup storage](#)

[Specifying backup task name](#)

[Defining backup file options](#)

[Specifying backup content](#)

[Configuring objects filter](#)

[Configuring script structure](#)

[Configuring backup security options](#)

[Scheduling backup task execution](#)

[Performing operation](#)

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### See also:

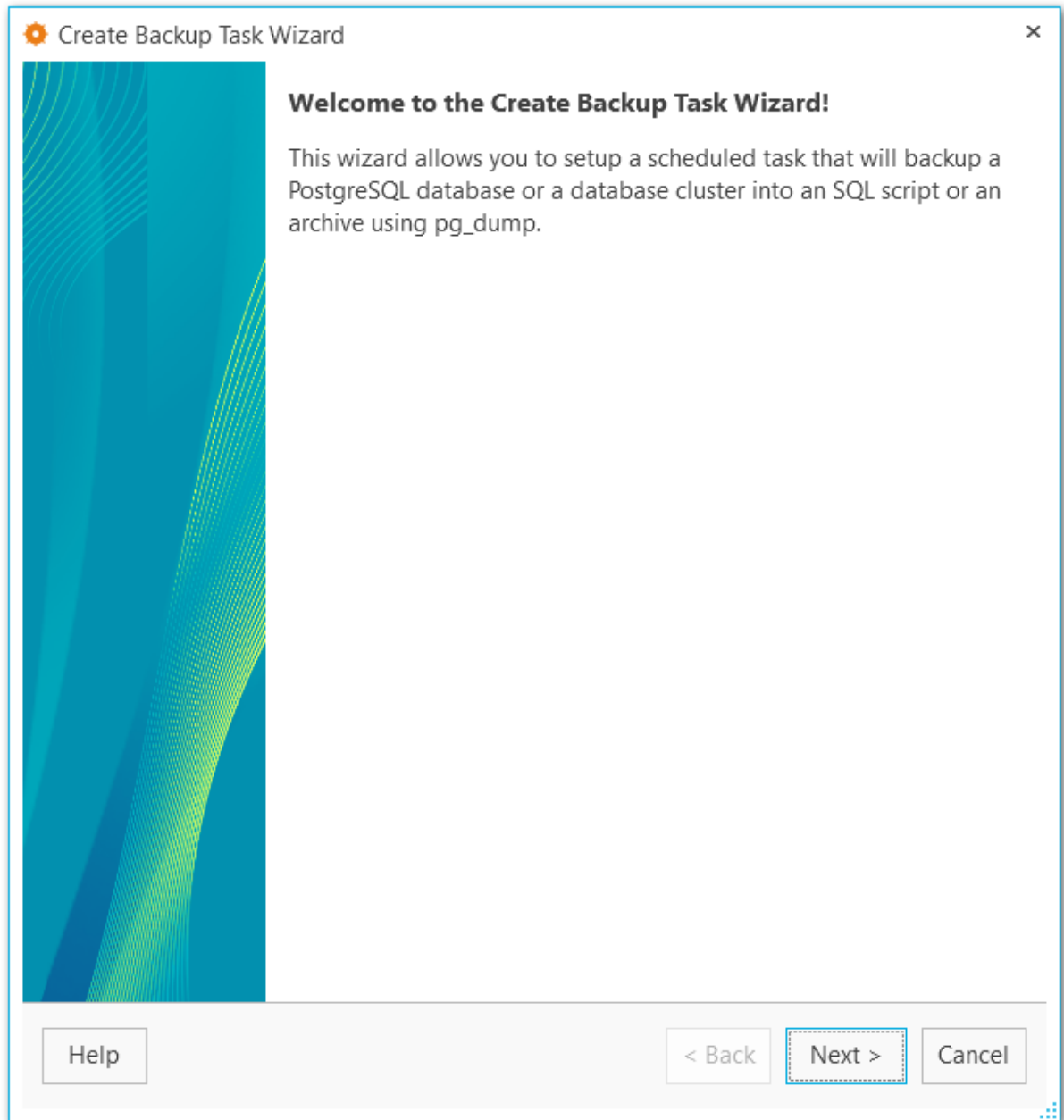
[Backup database wizard](#)

[Task editor](#)

[Executing tasks](#)

### 3.2.1 Welcome step

The first step displays general information about the wizard.



[Next step >>](#)



### 3.2.2 Specifying backup source

At this step you need to select the database(s) to create backup for.

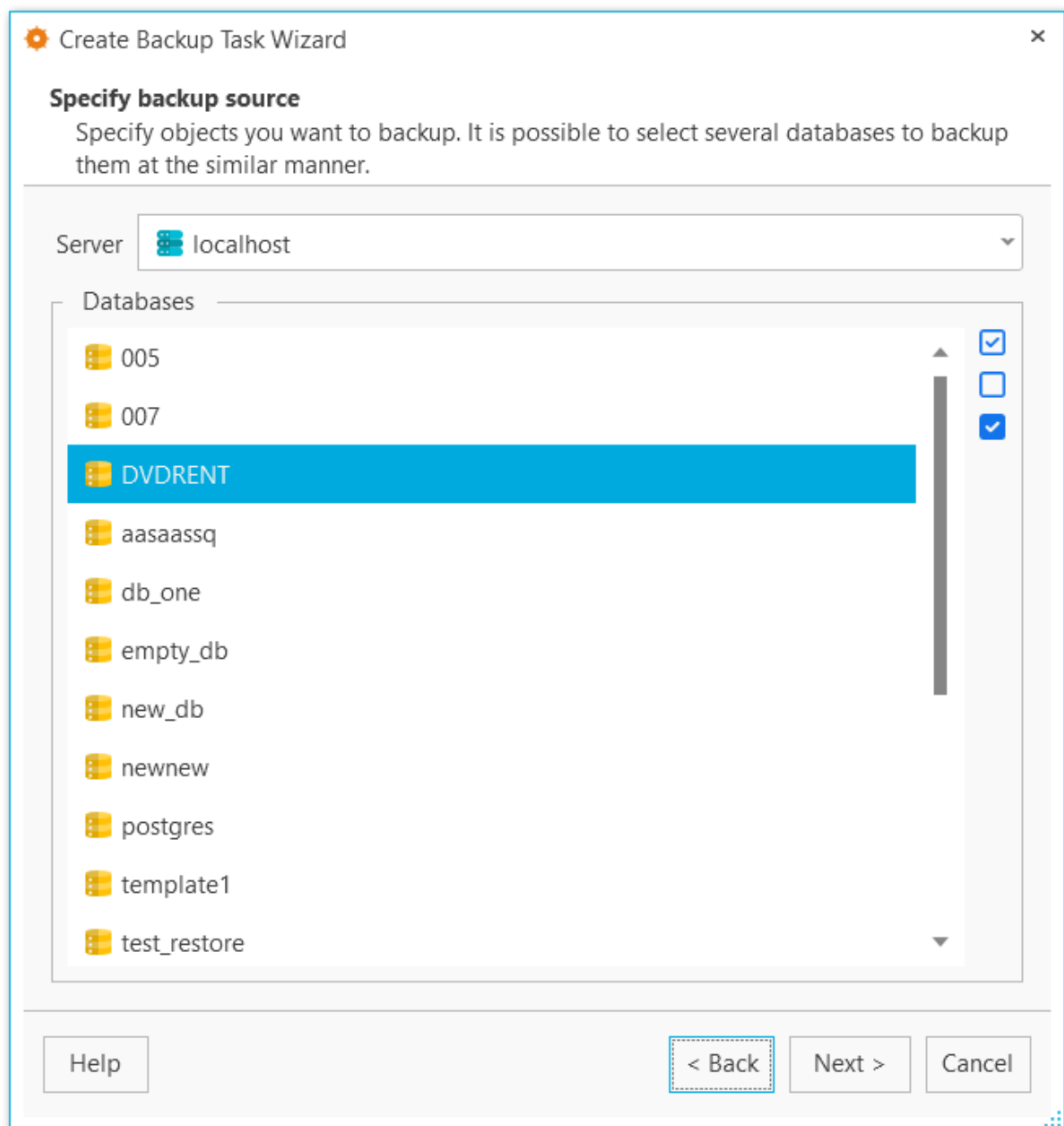
Use the ☒ **Select All** or ☐ **Unselect All** buttons to select or unselect all the servers at once. The ☒ **Invert Selection** button allows you to reverse the server selection.

#### Server

Select the server to create the scheduled backup task for.

#### Databases

Highlight the database name(s) to add it to the list to create scheduled backup for.



[<< Previous step](#)[Next step >>](#)

### 3.2.3 Specifying backup storage

Select the storage(s) to send backup files to. You can select more than one [storage](#).

The screenshot shows the 'Create Backup Task Wizard' dialog box, specifically the 'Select backup storages' step. The title bar reads 'Create Backup Task Wizard' with a close button. Below the title, the section is titled 'Select backup storages' with a subtitle: 'Select at least one backup storage that will store backup files. It is possible to select several backup storages.' The main area contains a list of storage options, each with an icon and a checkbox on the right. The options are: 'DefaultLocalStorage' (selected, blue background), 'Dropbox Backups', 'GoogleBackups', 'SFTP backups', 'Local folder', 'AmazonBackups', 'MSAzureBackups', and 'FtpStorage'. To the right of the list is a vertical toolbar with a checked checkbox, an unchecked checkbox, a checked checkbox, and a green plus sign. Below the list, there are four fields: 'Backup protection' (set to 'AES encryption (Advanced Encryption Standard)'), 'Password' (masked with dots), 'Confirm password' (masked with dots), and 'Compression level' (set to 9). At the bottom, there are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'.

Use the ☒ **Select All** or ☐ **Unselect All** buttons to select or unselect all the storages at once. The ☒ **Invert Selection** button allows you to reverse the storage selection.

Use the Register backup storage button to launch the [Register backup storage wizard](#).

#### Backup protection

Select encryption type for the selected storage. Note, that Blowfish and AES algorithms are supported in Standard and Professional license type only.

**Password**

Set the password for backup files.

**Confirm password**

Re-enter the password.

**Compression level**

This control allows you to set the compression level for all backup files sent to storage. The values are ranged 0-9. Select 0 if no compression is needed.

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[Next step >>](#)

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### 3.2.4 Specifying backup task name

Set the name and the details of the newly created scheduled task.

**Name**

Set the backup task name.

**Description**

Use the description for the backup task if needed.

The screenshot shows a Windows-style dialog box titled "Create Backup Task Wizard" with a close button (X) in the top right corner. The main heading is "Specify backup task name" followed by the instruction "Set the name for the backup task. Optionally you can add task description." Below this, there are two input fields. The first is labeled "Name" and contains the text "Weekend local backup". The second is labeled "Description" and contains the text "Sunday, local dbs". At the bottom of the dialog, there are four buttons: "Help", "< Back", "Next >" (which is highlighted with a dashed blue border), and "Cancel".

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[Next step >>](#)

### 3.2.5 Defining backup file options

At this step you can set options for the backup result file.

#### File format

Select the output file format: *Plain-text SQL script*, *Custom gzip archive file* or *Tar archive*.

#### Name pattern

Set the name for the output file. You can use {server}, {database}, {date} tags.

The screenshot shows a 'Create Backup Task Wizard' dialog box with a close button (X) in the top right corner. The title bar says 'Create Backup Task Wizard'. The main heading is 'Define backup file related options'. Below the heading is a descriptive text: 'Specify options for the backup file. It is possible to define an output format of the file content, file name template etc.'

The dialog contains several input fields:

- File format:** A dropdown menu with 'Plain-text SQL script' selected.
- Name pattern:** A text box containing '{server}\_{database}\_{date}'. Below this text box, it says 'Available tags: {server} {database} {date}'.
- Encoding:** A dropdown menu with '<Database encoding>' selected.
- Compression level:** A numeric input field with '0' and up/down arrow buttons.
- Number of jobs:** A numeric input field with '1' and up/down arrow buttons.

At the bottom of the dialog, there are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'.

#### Encoding

Use the drop-down list to select the character set encoding for the output file.

**Compression level**

This control allows you to set the compression level for the backup file. The values are ranged 0-9. Select 0 if no compression is needed.

**Number of jobs**

This options is only available for directory-format backup files and sets the number of executing threads to increase backup speed.

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### 3.2.6 Specifying backup content

At this step select what type of data must be backed up.

#### **Content type**

Select whether only data will be backed up (table data, large objects and sequence values), metadata (without table data) or both data and metadata will be added to the backup.

#### **Sections**

Select the sections names to be included into the backup: pre-data (includes all data definition items), data (includes actual table data, large-object contents, and sequence values) or post-data (includes definitions of indexes, triggers, rules, and constraints other than validated check constraints).



The screenshot shows a 'Create Backup Task Wizard' window with a close button (X) in the top right corner. The title bar says 'Create Backup Task Wizard'. The main heading is 'Specify backup content'. Below it is a descriptive text: 'Define which database objects will be included into the backup. It is possible to filter schemas or tables, exclude some object types from backup etc.' There are two dropdown menus: 'Content type' set to 'Data and Metadata' and 'Sections' set to 'PreData, Data, PostData'. Below these is a 'Content options' section with five checkboxes: 'Exclude BLOBs' (unchecked), 'Exclude content of unlogged tables' (checked), 'Exclude publications' (checked), 'Exclude subscriptions' (checked), and 'Exclude comments' (unchecked). At the bottom, there are three buttons: 'Help', '< Back', and 'Next >' (which is highlighted with a dashed red border), and a 'Cancel' button.

### Content options

- ☒ **Exclude content of unlogged tables**  
Enable this option not to backup the content of unlogged tables.
- ☒ **Exclude publications**  
Do not include publications into backup.
- ☒ **Exclude subscriptions**  
Do not include subscriptions into backup.
- ☒ **Exclude BLOBs**

Exclude large BLOB objects from the dump.

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### 3.2.7 Configuring objects filter

If you don't need to add all data to the backup file you can set filters what data must be excluded or included at this step of the wizard.

#### **Objects selection**

Select whether white and black list must be applied to tables or schemas. If you select *Schemas*, it will include all objects that it contains, but doesn't extract any objects it depends on.

#### **White list**

Add object name patterns. Only objects matching the name will be backed up.

#### **Black list**

Add object name patterns. Objects matching the pattern will not be backed up.

**NOTE:** If both white and black lists are added, then the objects that match the white list, but don't match the black list are added to the backup file.

**NOTE:** Tables specified in the white list will be backed up regardless of the filters set for Schemas.

#### ☒ **Include BLOBs**

Set this option to include large objects into the backup.

The screenshot shows a window titled "Create Backup Task Wizard" with a close button (X) in the top right corner. The main heading is "Configure objects filter" with the instruction "Select objects to be filtered into the backup." Below this, there is a section labeled "Objects selection" with a dropdown menu currently set to "Tables". Underneath, there are two list boxes: "White list" and "Black list". The "White list" contains one entry, "film\*", preceded by an orange asterisk icon. To the right of the "White list" is a vertical toolbar with a green plus icon and a red minus icon. The "Black list" is currently empty, with a green plus icon and a red minus icon to its right. Below the lists, there is a checkbox labeled "Include BLOBs" which is checked. At the bottom of the window, there are four buttons: "Help", "< Back", "Next >", and "Cancel".

Create Backup Task Wizard

**Configure objects filter**  
Select objects to be filtered into the backup.

Objects selection: Tables

White list

- film\*

Black list

☒ Include BLOBs

Help < Back Next > Cancel

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### 3.2.8 Configuring script structure

Select options for detailed configuring of statements in the backup.

#### **Data queries statement**

Select statements type for data form the list.

##### *COPY*

Dump data as COPY command. This is the fastest way to restore data.

##### *INSERT*

Dump data as INSERT commands. With this option selected the program generates separate commands for each row, which is rather safe, but slow.

##### *INSERT with column names*

Dump data as INSERT commands with explicit column names (INSERT INTO table (column, ...) VALUES ...). It is safe in case of reordering the columns, but very slow.

The screenshot shows a window titled "Create Backup Task Wizard" with a close button (X) in the top right corner. The main heading is "Configure structure of the backup script", followed by the instruction: "Specify backup script content. It is possible to choose type of data queries, force to drop objects before creation etc." Below this is a "Data queries statement" dropdown menu set to "COPY". Under the "Structure options" section, there is a list of checkboxes: "Force to create new database" (unchecked), "Include OIDs into table data" (unchecked), "Drop objects before creation" (checked), "Add IF EXISTS" (checked), "Disable triggers temporarily" (unchecked), "Disable dollar quoting" (unchecked), "Exclude tablespaces" (unchecked), "Force quoting of all identifiers" (unchecked), "Load data via partition root" (unchecked), and "Add detailed object comments" (unchecked). At the bottom, there are four buttons: "Help", "< Back", "Next >" (which is highlighted with a dashed blue border), and "Cancel".

### Structure options

☒ **Force to create new database**

The script for creating and connecting to the new database will be added.

☒ **Include OIDs to table data**

Enables dumping of object identifiers (OIDs) for tables.

☒ **Drop objects before creation**

The script will contain commands to drop database objects before creating them.

☒ **Add IF EXISTS**

DROP IF EXISTS statements will be generated instead of DROP statements.

☒ **Disable triggers temporarily**

This option can be enabled only for data dump in plain-text format. It adds command to temporarily disable triggers on the target tables while data is being loaded.

☒ **Disable dollar quoting**

This option disables the use of dollar quoting for function bodies, and forces them to be quoted using SQL standard string syntax.

☒ **Exclude tablespaces**

With this option enabled commands for selecting tablespace are not added to the result file.

☒ **Force quoting of all identifiers**

Adds quotes to all identifiers to keep compatibility between different server versions.

☒ **Load data via partition root**

Makes COPY or INSERT statements target the root of the partitioning hierarchy that contains it, rather than the partition itself. This causes the appropriate partition to be re-determined for each row on loading data.

☒ **Add detailed object comments**

Adds detailed logs on backup process to the backup file. Enabling this option considerably increases the result file size.

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### 3.2.9 Configuring backup security options

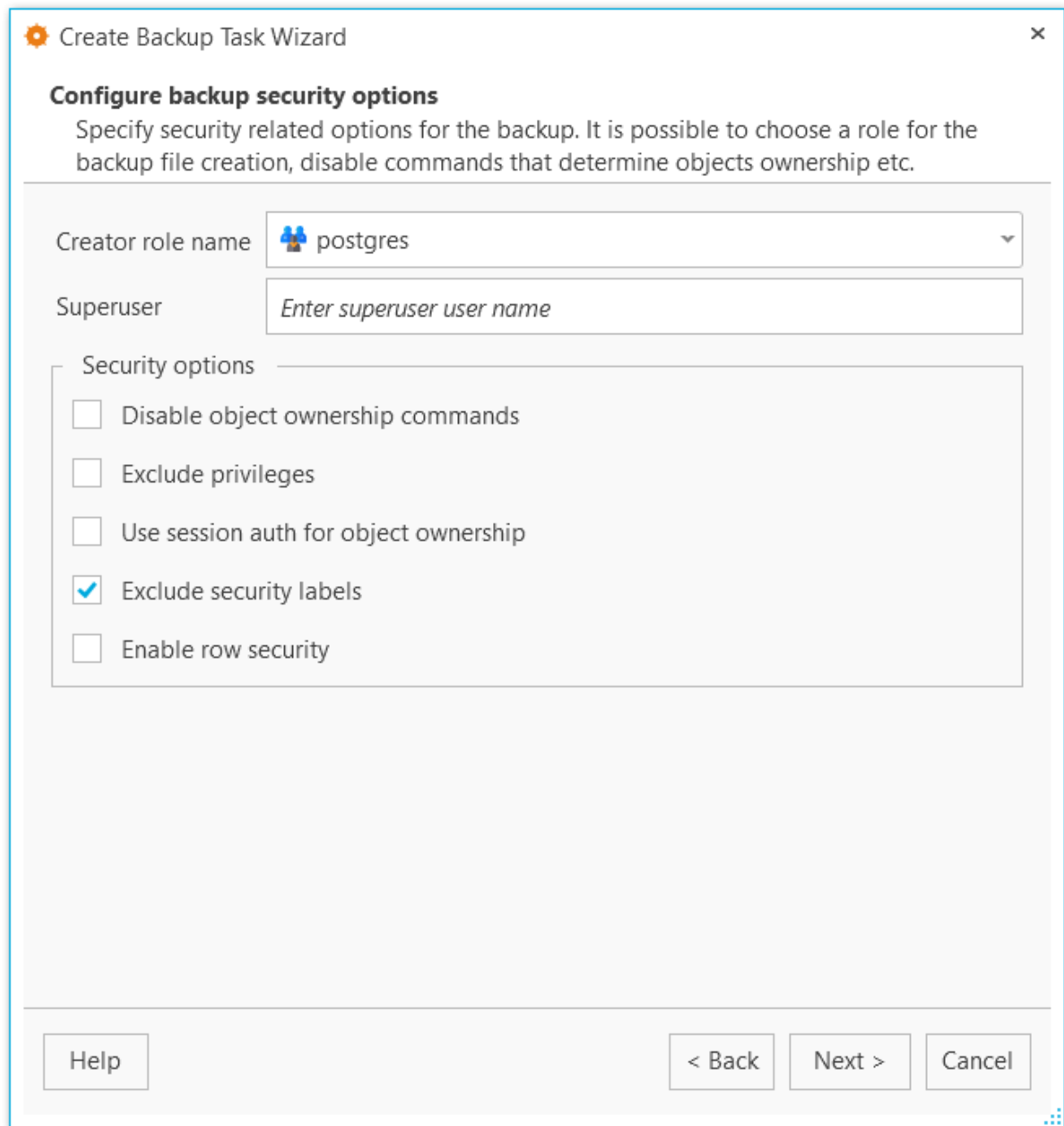
Set security-related options for the target backup file.

#### Creator role name

Set the role to be used on creating the dump.

#### Superuser

Set the superuser name to disable triggers successfully.



**Create Backup Task Wizard**

**Configure backup security options**  
Specify security related options for the backup. It is possible to choose a role for the backup file creation, disable commands that determine objects ownership etc.

Creator role name: postgres

Superuser: Enter superuser user name

**Security options**

- ☐ Disable object ownership commands
- ☐ Exclude privileges
- ☐ Use session auth for object ownership
- ☒ Exclude security labels
- ☐ Enable row security

Help    < Back    Next >    Cancel

#### Security options

- ☒ **Disable object ownership commands**



Check this option to restrict adding commands to set objects ownership. This allows script to be restored by any user, providing ownership for all objects.

☒ **Exclude privileges**

Enable this option if you don't need to dump access privileges.

☒ **Use session auth for object ownership**

With this option enabled SET SESSION AUTHORIZATION command is used instead of ALTER OWNER statement.

☒ **Exclude security labels**

Enable this option, if you don't need security labels to be added to the backup file.

☒ **Enable row security**

This option enables row security to allow user to create backup for the content he has access to.

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### 3.2.10 Scheduling backup task execution

At this step you need to create schedule for the automated backup execution. Use the buttons on the right panel to create, edit or delete schedules. You can set several schedules for the task.

☒ **Task is scheduled in UTC**

Enable this option to use UTC time format for the backup task. Otherwise local application time will be used for scheduling.

**NOTE** You can check local and UTC time at the right bottom part of the application.

The screenshot shows the 'Create Backup Task Wizard' dialog box, specifically the 'Manage backup task schedules and launches history' step. The dialog has a title bar with a gear icon and the text 'Create Backup Task Wizard'. Below the title bar, the section 'Manage backup task schedules and launches history' is displayed, followed by the instructions: 'Create a powerful and flexible plan for backup task execution with at least one schedule. Set up cleanup parameters for launches history and backup files.' Below this, there is a 'Schedules' section with a list box containing one item, 'DailySchedule', which is highlighted in blue. To the right of the list box are three icons: a green plus sign, a yellow pencil, and a red X. Below the list box, there is a checkbox labeled 'Task is scheduled in UTC' which is checked. Below this, there is a 'Cleanup strategy for launches history' section with two radio buttons. The first radio button is selected and labeled 'Remove launches after' followed by a spinner box containing '180' and the text 'day(s)'. The second radio button is labeled 'Keep only' followed by a spinner box containing '10' and the text 'recent launch(es)'. Below this, there is a checkbox labeled 'Remove related backup files from storages' which is checked. At the bottom of the dialog, there are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'.

Create Backup Task Wizard

**Manage backup task schedules and launches history**  
Create a powerful and flexible plan for backup task execution with at least one schedule.  
Set up cleanup parameters for launches history and backup files.

Schedules

- DailySchedule

☒ Task is scheduled in UTC

Cleanup strategy for launches history

☒ Remove launches after 180 day(s)

☐ Keep only 10 recent launch(es)

☒ Remove related backup files from storages

Help < Back Next > Cancel

### Cleanup strategy for launches history

☒ **Remove launches after ... days**

Set this option to cleanup task launches older than the specified value.

☐ **Keep only ... recent launches**

Set the limit for displaying task launches in the history.

☒ **Remove related backup files from storages**

On cleaning up launches history for the task the corresponding backup files are deleted from the storages, otherwise they are still kept in the storage.

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### 3.2.11 Adding notifications

At this step you can add notifications about task execution, if needed.

**Create Backup Task Wizard**

**Set up backup task execution notification**

Configure notifications if you want to be informed about backup task execution. It is possible to set up task launch or task completion notifications. You can choose to show the notification on the desktop or send it to email recipients.

**Task launch**

☒ Show desktop notification

Email notification recipients

- support@sqlmanager.net

**Task completion**

☒ Show desktop notification

Email notification recipients

- support@sqlmanager.net

Help < Back Next > Cancel

#### Task launch

☒ **Show desktop notification**

Select this option to display desktop notifications on task launch.

#### Email notification recipients

Use the buttons on the right panel to add or remove email addresses to send notifications about task launch.

**Task completion**☒ **Show desktop notification**

Select this option to display desktop notifications after the task is completed.

**Email notification recipients**

Use the buttons on the right panel to add or remove email addresses to send notifications about task completion.

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### 3.2.12 Performing operation

This step informs you that all necessary options have been set, you can view the result summary and click **Finish** button to create the scheduled backup task.

You can [edit](#) tasks with task editor from the main program window.

The list of current tasks is [displayed](#) for each server on the main screen of the program.

**Create Backup Task Wizard**


**Everything is ready to create a backup task**  
Check options specified at the previous steps and click "Finish" to create a backup task and close the wizard.

<b>Backup task</b>	Create new
Name	Weekend local backup
Description	Sunday, local dbs
<b>Backup source</b>	Databases to backup
localhost	DVDRENT
<b>Backup storages</b>	Destination for backups
Encryption	None
Compression level	0
<b>Backup storage</b>	Assign
Name	Dropbox Backups
Type	Dropbox
<b>Backup storage</b>	Assign
Name	SFTP backups
Type	SFTP
<b>Backup file</b>	Backup file related options
File format	Plain-text SQL script
Name pattern	{server}_{database}_{date}
Encoding	<Database encoding>

Help      < Back      **Finish**      Cancel

[<< Previous step](#)

### 3.3 Task editor

You can edit tasks created with [Create task wizard](#) on the main window of the program. Double click the task or use the  **Edit task** popup menu item.

- [General settings](#)
- [Backup source](#)
- [Backup storages](#)
- [Backup file](#)
- [Backup content](#)
- [Objects filter](#)
- [Script structure](#)
- [Backup security](#)
- [Scheduling and history](#)
- [Notifications](#)

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**See also:**

- [Create task wizard](#)
- [Executing tasks](#)

### 3.3.1 General settings

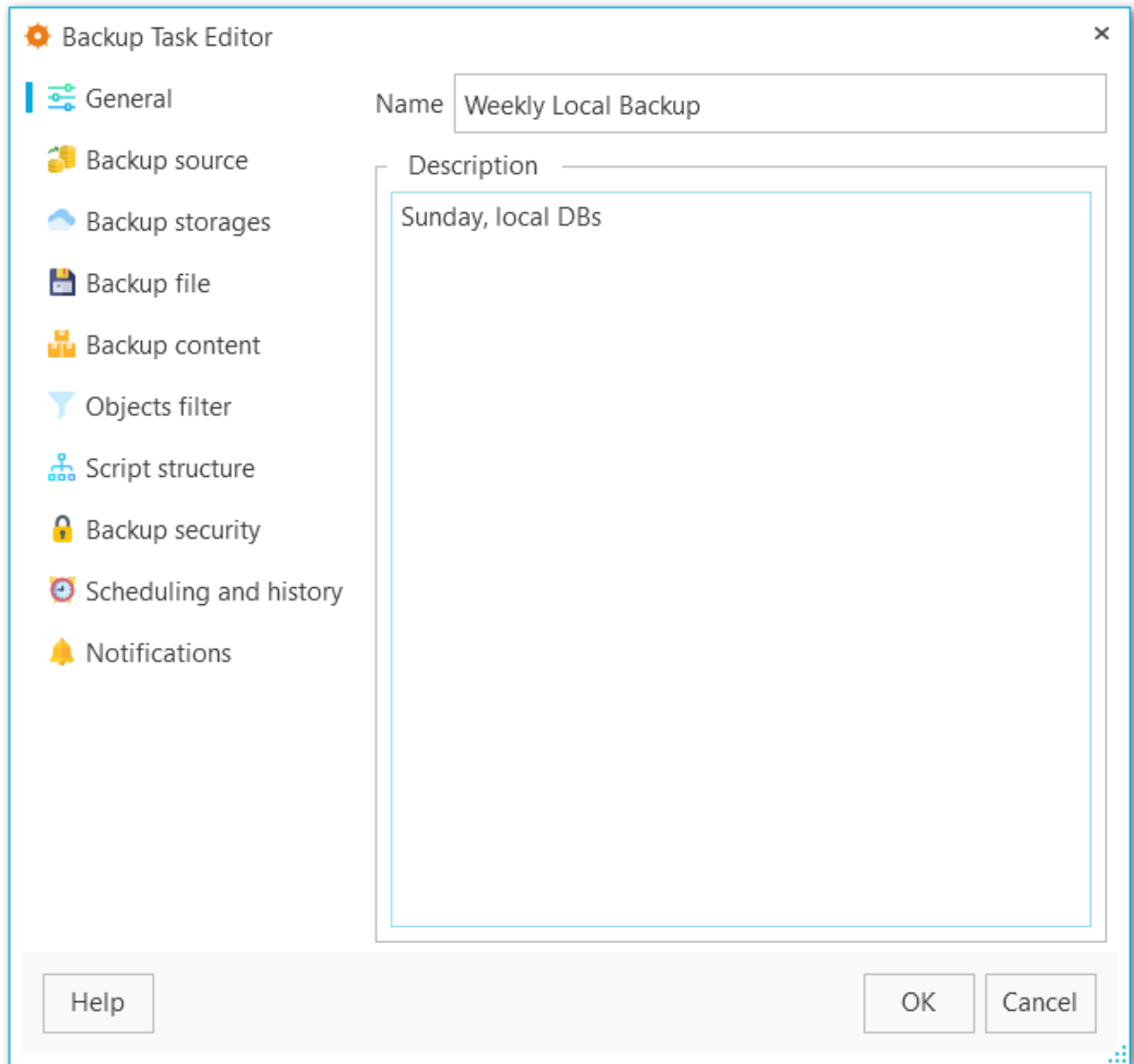
This tab allows you to view and edit details for the backup task.

**Name**

Set the backup task name.

**Description**

Edit the description for the backup task if needed.



The screenshot shows the 'Backup Task Editor' dialog box with the 'General' tab selected. The 'Name' field contains 'Weekly Local Backup' and the 'Description' field contains 'Sunday, local DBs'. The left sidebar lists various settings: General, Backup source, Backup storages, Backup file, Backup content, Objects filter, Script structure, Backup security, Scheduling and history, and Notifications. At the bottom are 'Help', 'OK', and 'Cancel' buttons.

**Backup Task Editor**

**General**

Name: Weekly Local Backup

Description: Sunday, local DBs

Help OK Cancel



### 3.3.2 Backup source

At this tab you can edit the set of databases to create backup for.

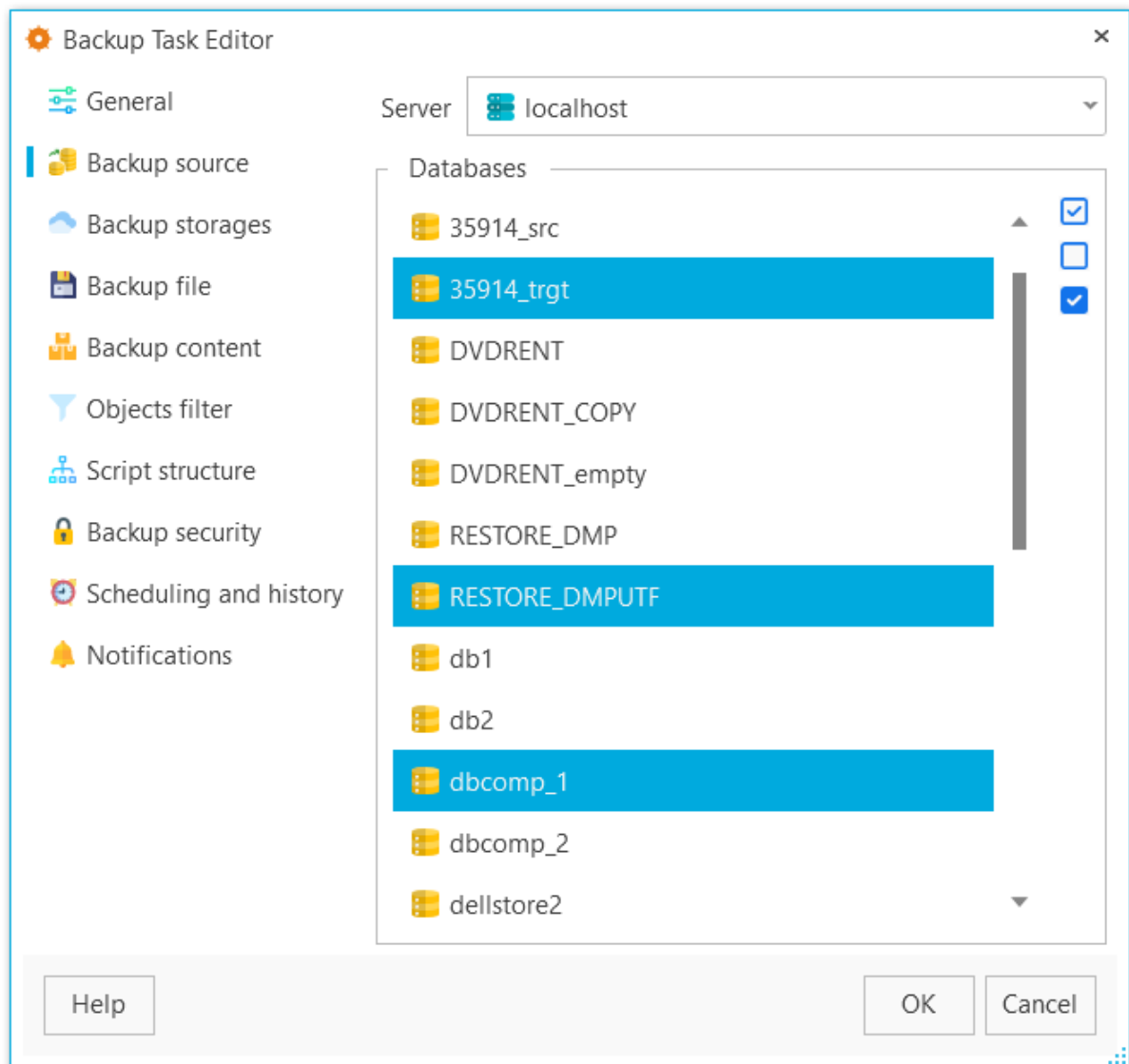
Use the ☒ **Select All** or ☐ **Unselect All** buttons to select or unselect all the databases at once. The ☒ **Invert Selection** button allows you to reverse the database selection.

#### Server

Select the server to create the scheduled backup task for.

#### Databases


Edit the list of databases to create scheduled backup for.



### 3.3.3 Backup storages

At this step you can edit storages to send backup files to. You can select more than one [storage](#).

Use the ☒ **Select All** or ☐ **Unselect All** buttons to select or unselect all the storages at once. The ☒ **Invert Selection** button allows you to reverse the storage selection.

Use the  **Register backup storage** button to launch the [Register backup storage wizard](#).

#### **Backup protection**

Select encryption type for the selected storage. Note, that Blowfish and AES algorithms are supported in Standard and Professional license type only.

#### **Password**

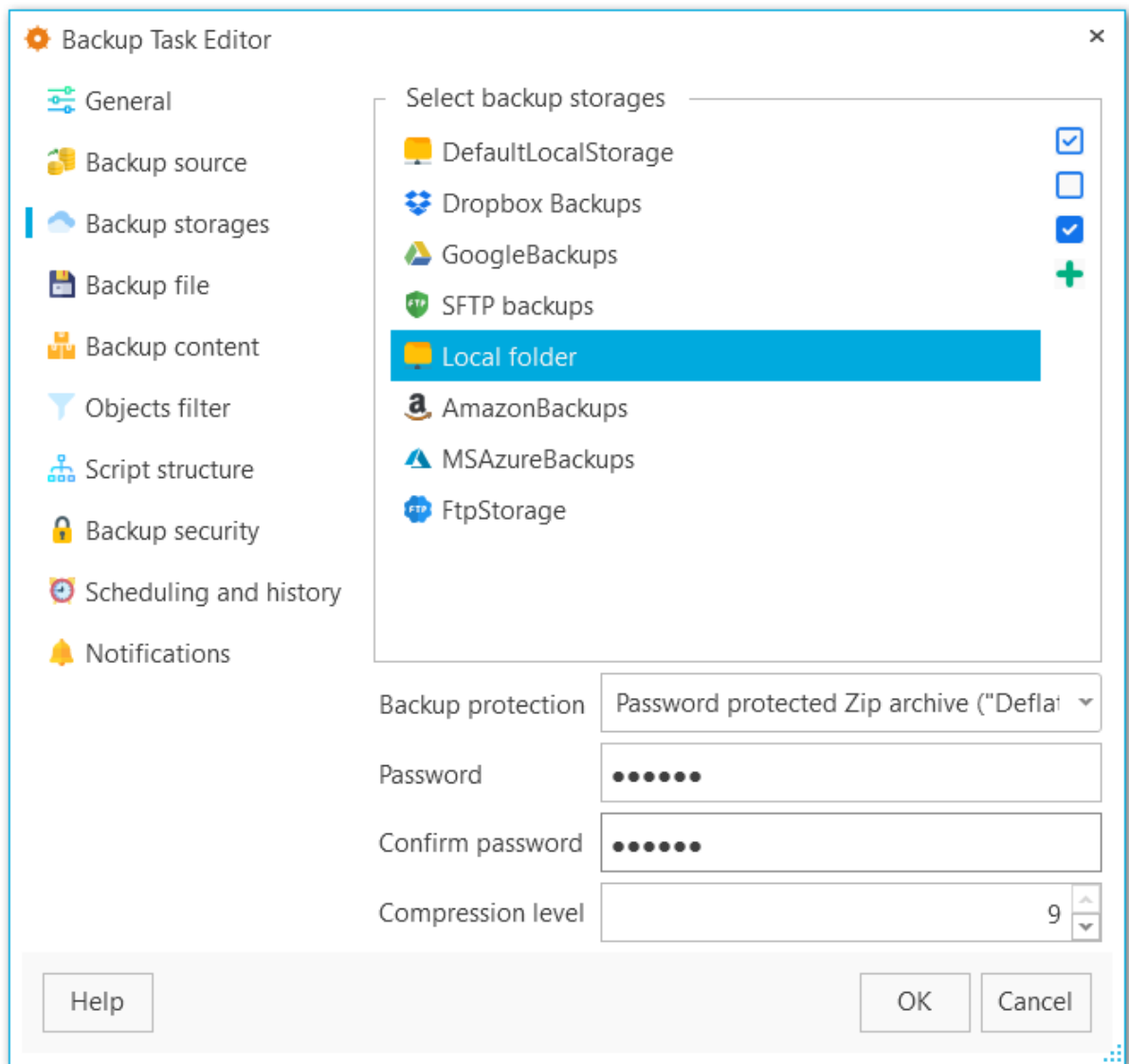
Set the password for backup files.

#### **Confirm password**

Re-enter the password.

#### **Compression level**

This control allows you to set the compression level for all backup files sent to storage. The values are ranged 0-9. Select 0 if no compression is needed.



### 3.3.4 Backup file

At this step you can view or change options for the backup result file.

**File format**

Select the output file format: *Plain-text SQL script*, *Custom gzip archive file*, *Tar archive* or *Directory-format archive file*.

**Name pattern**

Set the name for the output file. You can use {server}, {database}, {date} tags.

**Encoding**

Use the drop-down list to select the character set encoding for the output file.

**Compression level**

This control allows you to set the compression level for the backup file. The values are ranged 0-9. Select 0 is no compression is needed.

**Number of jobs**

This options is only available for directory-format backup files and sets the number of executing threads to increase speed.

The screenshot shows the 'Backup Task Editor' dialog box with a sidebar on the left containing icons and labels for various settings: General, Backup source, Backup storages, Backup file (highlighted with a blue bar), Backup content, Objects filter, Script structure, Backup security, Scheduling and history, and Notifications. The main area on the right contains settings for 'File format' (a dropdown menu set to 'Custom gzip archive file'), 'Name pattern' (a text box containing '{server}\_{database}\_{date}' with a note 'Available tags: {server} {database} {date}' below it), 'Encoding' (a dropdown menu set to '<Database encoding>'), 'Compression level' (a numeric spinner set to 5), and 'Number of jobs' (a numeric spinner set to 1). At the bottom of the dialog are three buttons: 'Help', 'OK', and 'Cancel'.

Backup Task Editor

General

File format: Custom gzip archive file

Backup source

Name pattern: {server}\_{database}\_{date}

Backup storages

Available tags: {server} {database} {date}

Backup file

Encoding: <Database encoding>

Backup content

Compression level: 5

Objects filter

Number of jobs: 1

Script structure

Backup security

Scheduling and history

Notifications

Help OK Cancel

### 3.3.5 Backup content

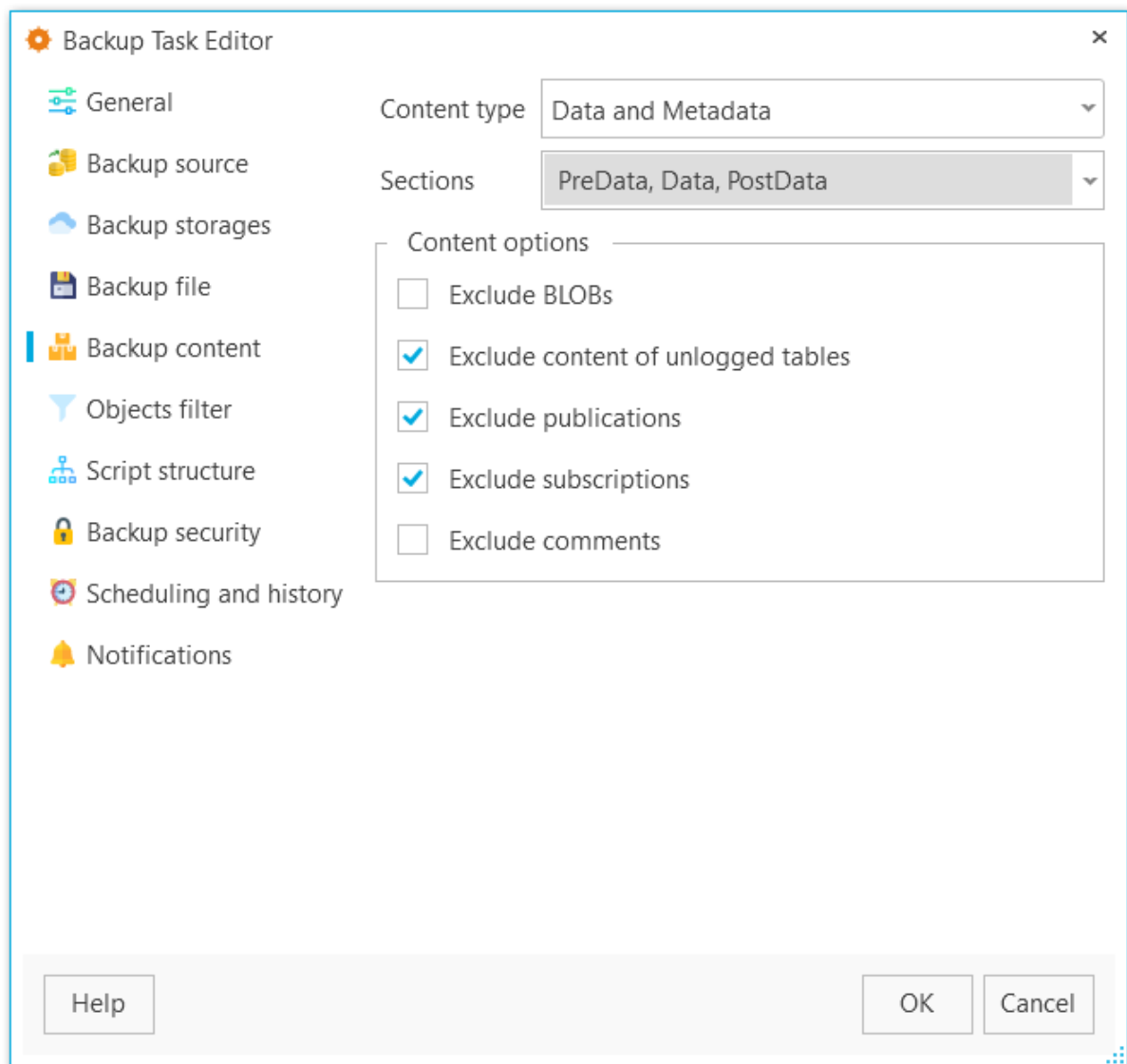
At this tab you can view and edit type of data that must be backed up.

#### Content type

Select whether only data will be backed up (table data, large objects and sequence values), metadata (without table data) or both data and metadata will be added to the backup.

#### Sections

Select the sections names to be included into the backup: pre-data (includes all data definition items), data (includes actual table data, large-object contents, and sequence values) or post-data (includes definitions of indexes, triggers, rules, and constraints other than validated check constraints).



#### Content options

☒ **Exclude content of unlogged tables**

Enable this option not to backup the content of unlogged tables.

☒ **Exclude publications**

Do not include publications into backup.

☒ **Exclude subscriptions**

Do not include subscriptions into backup.

☒ **Exclude BLOBs**

Exclude large BLOB objects from the dump.

☒ **Exclude comments**

Exclude comments from the dump.

### 3.3.6 Objects filter

At this tab you can edit filters to exclude or include data.

#### **Objects selection**

Select whether white and black list must be applied to tables or schemas. If you select *Schemas*, it will include all objects that it contains, but doesn't extract any objects it depends on.

#### **White list**

Add object name patterns. Only objects matching the name will be backed up.

#### **Black list**

Add object name patterns. Objects matching the pattern will not be backed up.

**NOTE** If both white and black lists are added, then the objects that match the white list, but don't match the black list are added to the backup file.

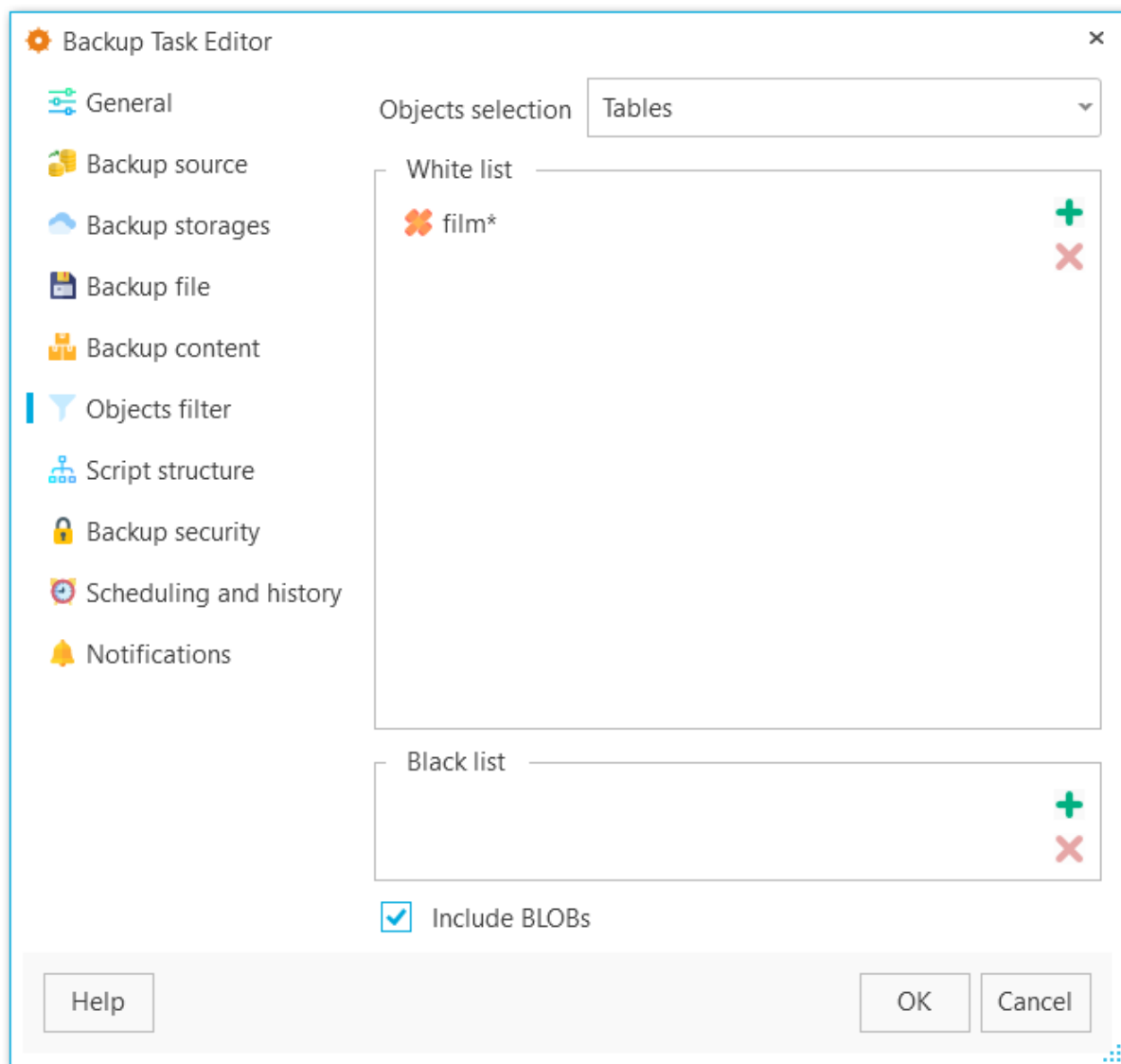
**NOTE** Tables specified in the white list will be backed up regardless of the filters set for Schemas.



#### **Include BLOBs**

Set this option to include large objects into the backup.





### 3.3.7 Script structure

Select options for detailed configuring of statements in the backup.

#### **Data queries statement**

Select statements type for data form the list.

##### *COPY*

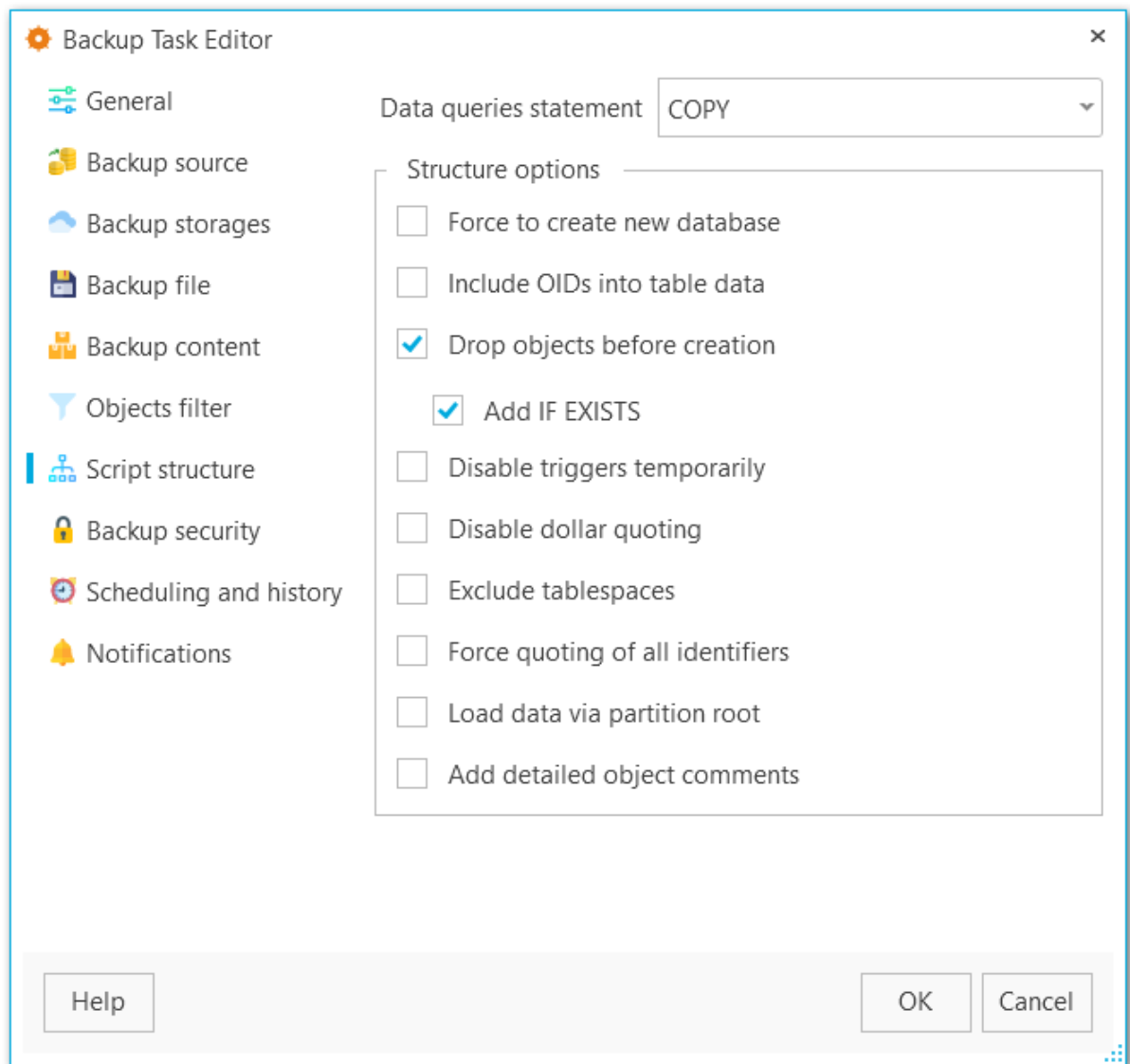
Dump data as COPY command. This is the fastest way to restore data.

##### *INSERT*

Dump data as INSERT commands. With this option selected the program generates separate commands for each row, which is rather safe, but slow.

##### *INSERT with column names*

Dump data as INSERT commands with explicit column names (INSERT INTO table (column, ...) VALUES ...). It is safe in case of reordering the columns, but very slow.



### Structure options

☒ **Force to create new database**

The script for creating and connecting to the new database will be added.

☒ **Include OIDs to table data**

Enables dumping of object identifiers (OIDs) for tables.

☒ **Drop objects before creation**

The script will contain commands to drop database objects before creating them.

☒ **Add IF EXISTS**

DROP IF EXISTS statements will be generated instead of DROP statements.

☒ **Disable triggers temporarily**

This option can be enabled only for data dump in plain-text format. It adds command to

temporarily disable triggers on the target tables while data is being loaded.

☒ **Disable dollar quoting**

This option disables the use of dollar quoting for function bodies, and forces them to be quoted using SQL standard string syntax.

☒ **Exclude tablespaces**

With this option enabled commands for selecting tablespace are not added to the result file.

☒ **Force quoting of all identifiers**

Adds quotes to all identifiers to keep compatibility between different server versions.

☒ **Load data via partition root**

Makes COPY or INSERT statements target the root of the partitioning hierarchy that contains it, rather than the partition itself. This causes the appropriate partition to be re-determined for each row on loading data.

☒ **Add detailed object comments**

Adds detailed logs on backup process to the backup file. Enabling this option considerably increases the result file size.

### 3.3.8 Backup security

This tab allows editing security-related options for the target backup file.

#### Creator role name

Set the role to be used on creating the dump.

#### Superuser

Set the superuser name to disable triggers successfully.

The screenshot shows the 'Backup Task Editor' dialog box with the 'Security options' tab selected. The left sidebar lists various configuration categories: General, Backup source, Backup storages, Backup file, Backup content, Objects filter, Script structure, Backup security (highlighted), Scheduling and history, and Notifications. The main area contains the following fields and options:

- Creator role name:** A dropdown menu showing '<Session Role>'.
- Superuser:** A text input field with the placeholder 'Enter superuser user name'.
- Security options:** A group box containing five checkboxes:
  - ☐ Disable object ownership commands
  - ☒ Exclude privileges
  - ☐ Use session auth for object ownership
  - ☐ Exclude security labels
  - ☐ Enable row security

At the bottom of the dialog are three buttons: 'Help', 'OK', and 'Cancel'.

#### Security options

##### ☒ Disable object ownership commands

Check this option to restrict adding commands to set objects ownership. This allows script to be restored by any user, providing ownership for all objects.

##### ☒ Exclude privileges

Enable this option if you don't need to dump access privileges.

☒ **Use session auth for object ownership**

With this option enabled SET SESSION AUTHORIZATION command is used instead of ALTER OWNER statement.

☒ **Exclude security labels**

Enable this option, if you don't need security labels to be added to the backup file.

☒ **Enable row security**

This option enables row security to allow user to create backup for the content he has access to.

### 3.3.9 Scheduling and history

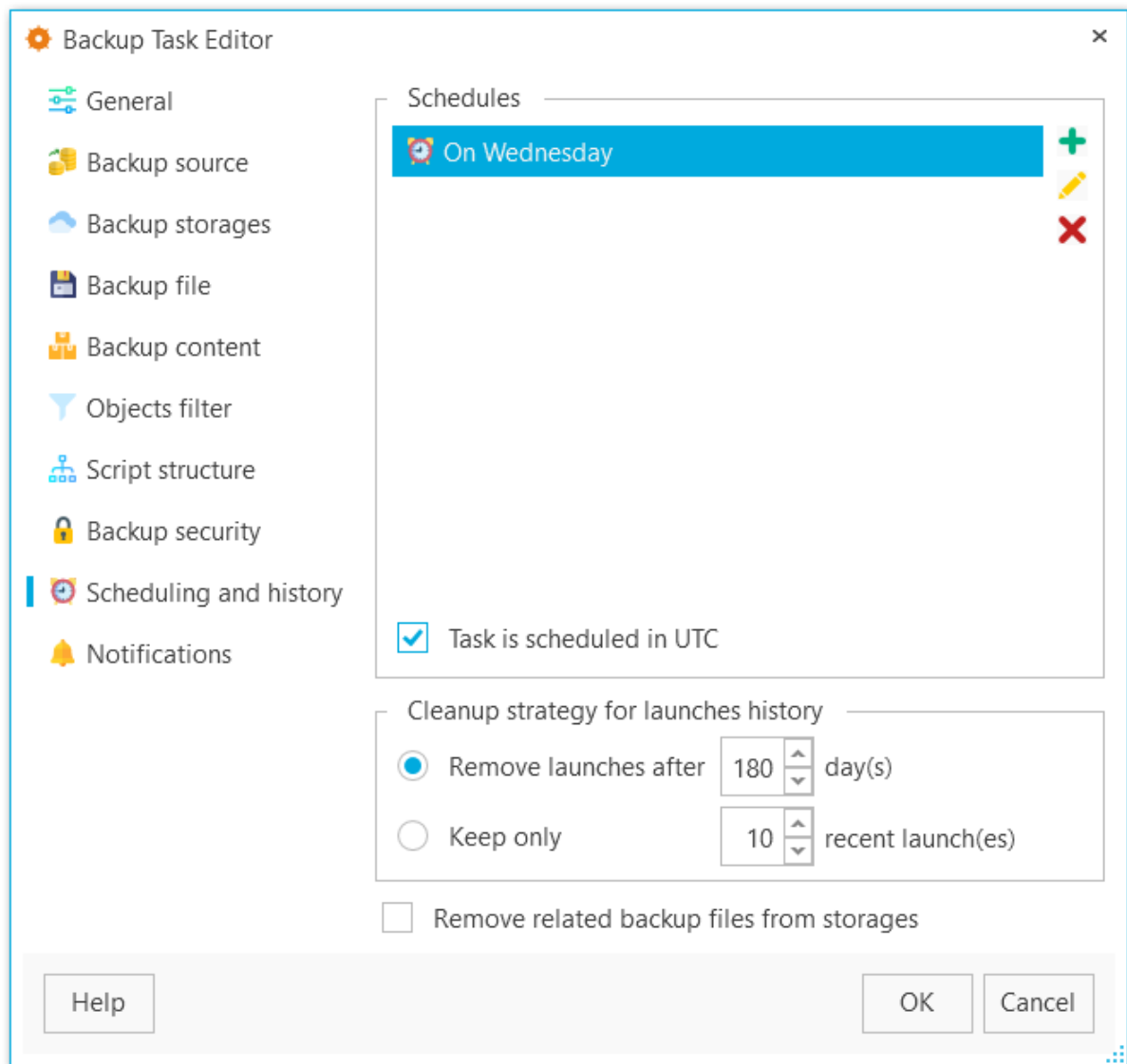
At this tab you can change schedules for the scheduled backup task.

Use the buttons on the right panel to create, edit or delete schedules. You can set several schedules for the task.

☒ **Task is scheduled in UTC**

Enable this option to use UTC time format for the backup task. Otherwise local application time will be used for scheduling.

**NOTE** You can check local and UTC time at the right bottom part of the application.



#### Cleanup strategy for launches history

☒ **Remove launches after ... days**

Set this option to cleanup task launches older than the specified value.

☒ **Keep only ... recent launches**

Set the limit for displaying task launches in the history.

☒ **Remove related backup files from storages**

On cleaning up launches history for the task the corresponding backup files are deleted from the storages, otherwise they are still kept in the storage.



### 3.3.10 Notifications

Edit or set notification settings for task execution at this tab.

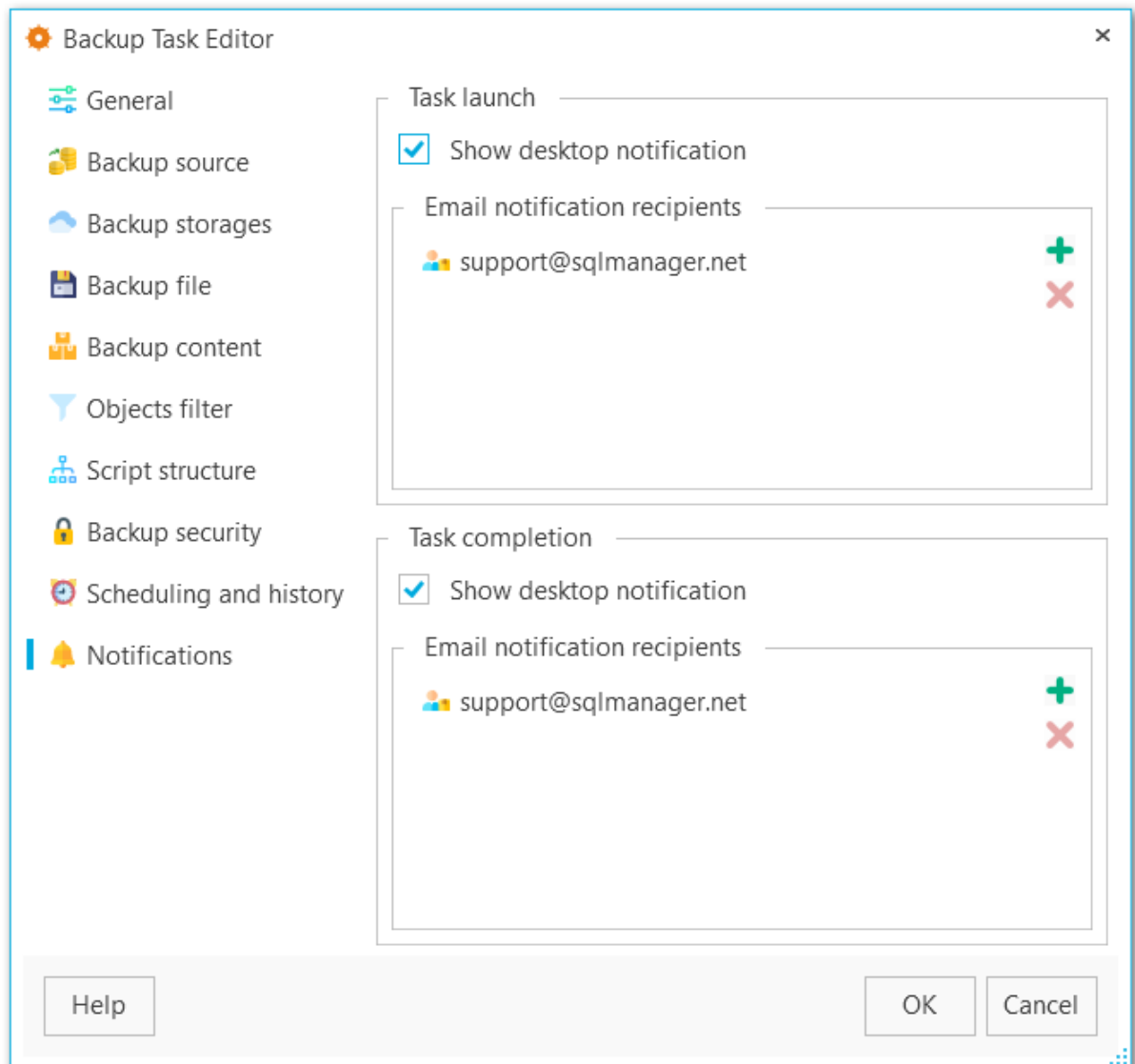
#### Task launch

☒ **Show desktop notification**

Select this option to display desktop notifications on task launch.

#### Email notification recipients

Use the buttons on the right panel to add or remove email addresses to send notifications about task launch.



#### Task completion

☒ **Show desktop notification**

Select this option to display desktop notifications after the task is completed.

**Email notification recipients**

Use the buttons on the right panel to add or remove email addresses to send notifications about task completion.

## 3.4 Create schedule wizard

Schedules can be created in the [Create task wizard](#) and edited in the [Task editor](#).

### Steps

[Welcome step](#)

[Specifying name](#)

[Specifying time-dependent options](#)

[Performing operation](#)

---

### See also:

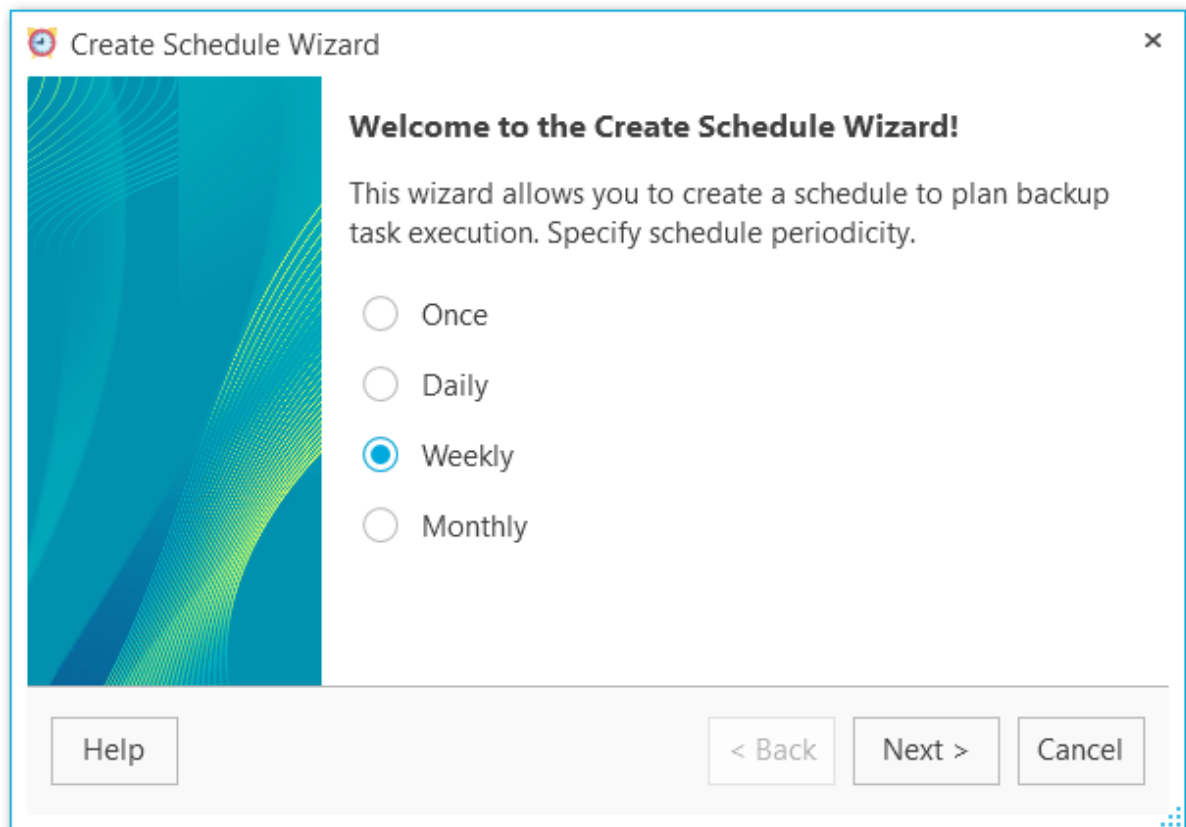
[Create task wizard](#)

[Task editor](#)

### 3.4.1 Welcome step

At this step you need to select periodicity of executing the backup task: *Once, Daily, Weekly, Monthly*.

**NB** If you need to perform backup **several times a day** you need to create several schedules with each time.



[Next step >>](#)

### 3.4.2 Specifying name

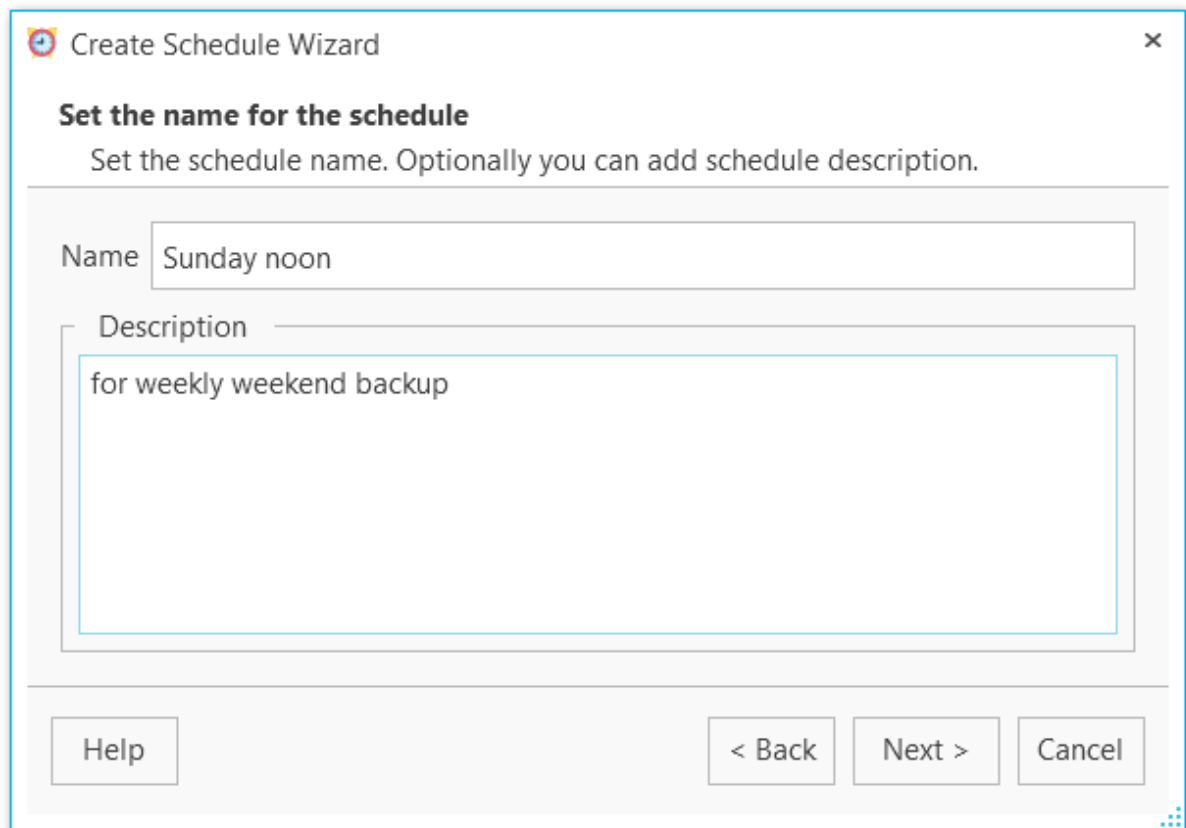
Set general information about the schedule at this step.

**Name**

Set schedule name.

**Description**

Use description for the schedule if needed.



The screenshot shows a Windows-style dialog box titled "Create Schedule Wizard" with a close button (X) in the top right corner. The main heading is "Set the name for the schedule". Below this, a subtitle reads: "Set the schedule name. Optionally you can add schedule description." The dialog contains two input fields: a "Name" text box with the value "Sunday noon" and a "Description" text area with the value "for weekly weekend backup". At the bottom, there are four buttons: "Help", "< Back", "Next >", and "Cancel".

[<< Previous step](#)

[Next step >>](#)

### 3.4.3 Specifying time-dependent options

Set the details of the schedule.

**From**

Select the start date for schedule.

**Till**

If needed, select the last date for the schedule. The dependent backup task will finish on this date.

**Run at**

Select the time for schedule running. You can set if the time value will be processed in UTC format or local console time at [Create task wizard](#).

**Repeat each**

Select the periodicity of task execution in weeks and select the days of the week.

The screenshot shows a window titled "Create Schedule Wizard" with a close button (X) in the top right corner. The main heading is "Specify schedule time-dependent options" with a subtitle "Define the detailed options for schedule periodicity." Below this, there are four rows of input fields:

- From:** A text box containing "Saturday, January 1, 2022" with up/down arrow buttons on the right.
- Till:** A checked checkbox followed by a text box containing "Saturday, December 31, 2022" with up/down arrow buttons on the right.
- Run at:** A text box containing "12:00 AM" with up/down arrow buttons on the right.
- Repeat each:** A spinner box set to "1" followed by the text "week(s) on" and a dropdown menu currently showing "Monday".

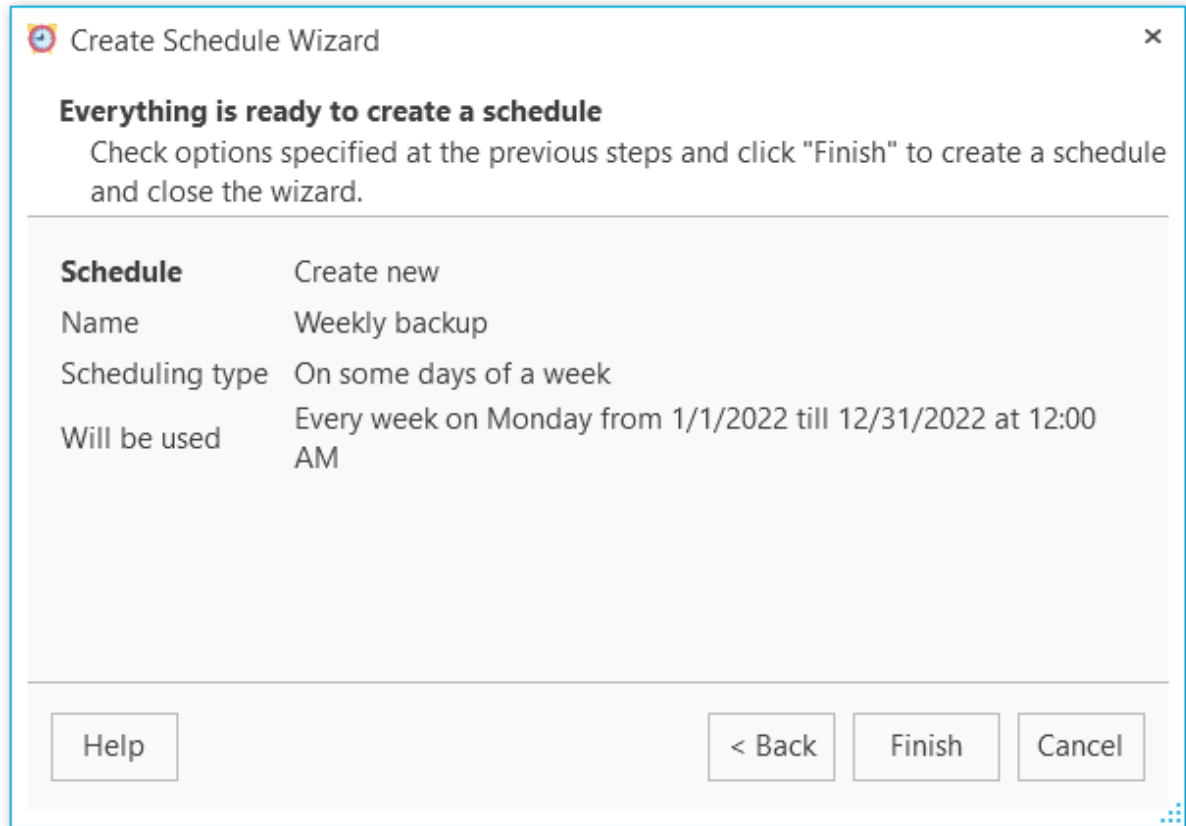
At the bottom of the dialog, there are four buttons: "Help", "< Back", "Next >", and "Cancel".

[<< Previous step](#)

[Next step >>](#)

### 3.4.4 Performing operation

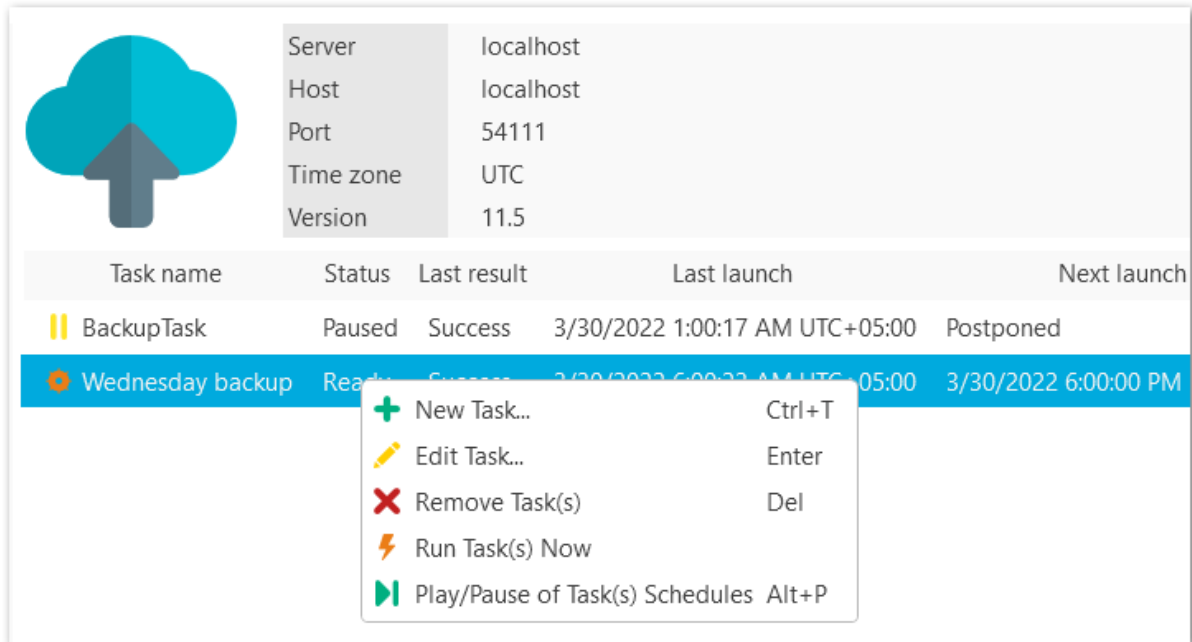
At this step you can check the necessary options and click **Finish** to create the schedule.



[<< Previous step](#)

### 3.5 Executing tasks

You can monitor tasks execution for the selected server in the main program window.



The screenshot shows the main window of EMS SQL Backup for PostgreSQL. On the left is a cloud icon with an upward arrow. To its right, server details are listed: Server (localhost), Host (localhost), Port (54111), Time zone (UTC), and Version (11.5). Below this is a table of tasks.

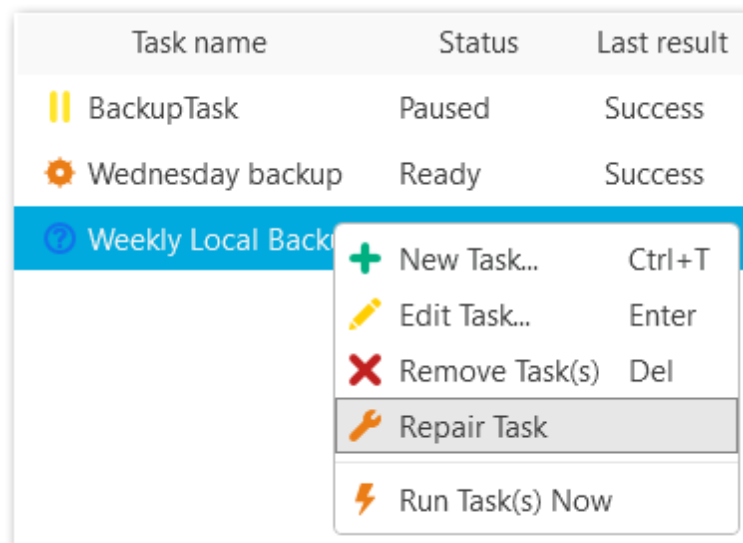
Task name	Status	Last result	Last launch	Next launch
BackupTask	Paused	Success	3/30/2022 1:00:17 AM UTC+05:00	Postponed
Wednesday backup	Ready	Success	3/30/2022 6:00:00 AM UTC+05:00	3/30/2022 6:00:00 PM

A context menu is open over the 'Wednesday backup' task, showing the following options:

- + New Task... (Ctrl+T)
- ✎ Edit Task... (Enter)
- ✖ Remove Task(s) (Del)
- ⚡ Run Task(s) Now
- ▶ Play/Pause of Task(s) Schedules (Alt+P)

Each task can be **paused** and **started** from the popup menu.

If the schedule was damaged in the OS and the task status is **Unscheduled**, you can **Repair** it from the task popup menu.



This screenshot shows a portion of the task list from the previous image. The 'Weekly Local Backup' task is selected, and its context menu is open. The 'Repair Task' option, represented by a wrench icon, is highlighted.

Task name	Status	Last result
BackupTask	Paused	Success
Wednesday backup	Ready	Success
Weekly Local Backup	Unscheduled	Unscheduled

The context menu for 'Weekly Local Backup' includes:

- + New Task... (Ctrl+T)
- ✎ Edit Task... (Enter)
- ✖ Remove Task(s) (Del)
- 🔧 Repair Task (highlighted)
- ⚡ Run Task(s) Now



**See also:**

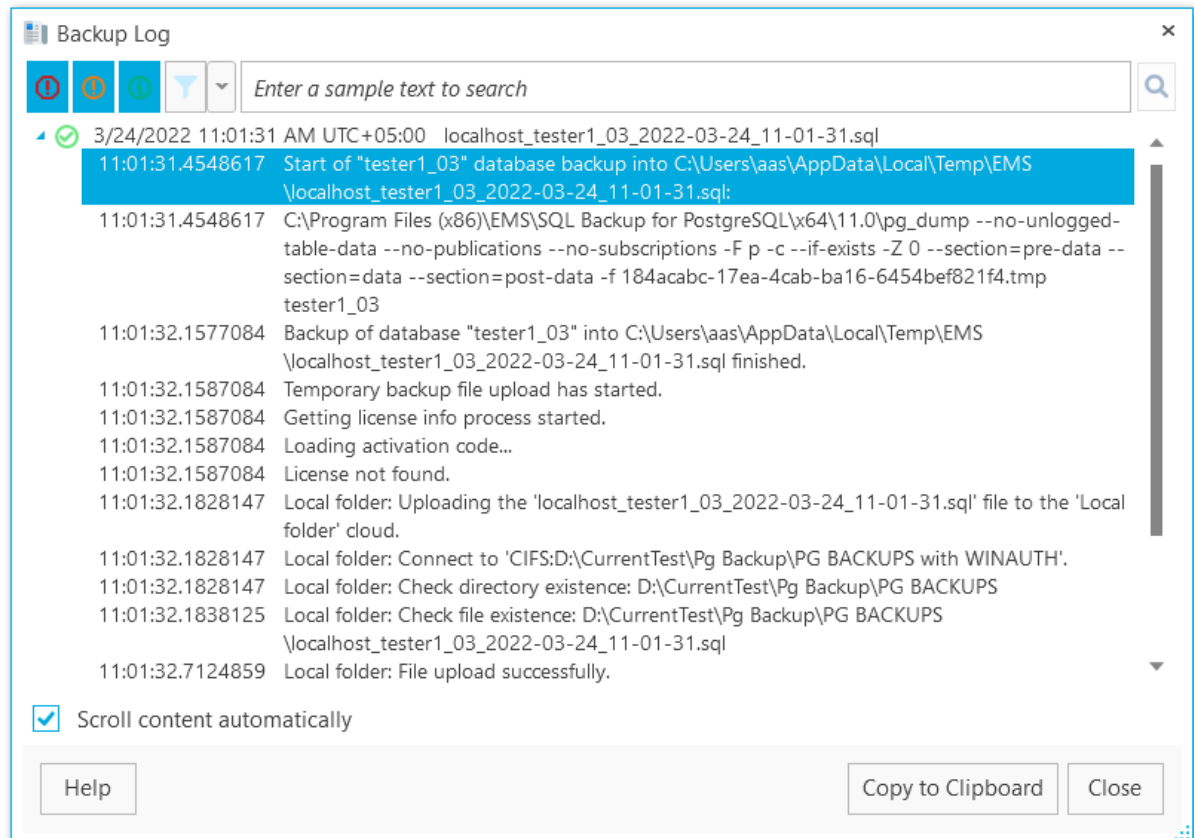
[Create task wizard](#)

### 3.6 Backup log

This dialog displays detailed information about backup operation process. To open the log use **Show log** button in the [launch history](#) popup menu. To follow log retrieving use the

☒ **Scroll content automatically** option.

Exclude or enable displaying of errors, warning and information messages with the corresponding buttons: **Show errors**, **Show warnings**, **Show infos**.



You can apply date or text filter for operations list with the **Filter** button. The filter is applied when the button is pressed.

Set dates range with **From** and **Till** parameters or input the text in the **Sample** field to display records containing this text.

The screenshot shows a filter dialog box. It has a filter type dropdown menu set to 'OID'. Below this are three input fields: 'From' with the date and time 'Tuesday, March 1, 2022 1:24:02 PM', 'Till' with a checked checkbox and the date and time 'Sunday, March 13, 2022 2:24:02 PM', and 'Sample' with the text 'tester1'.

Use the search path for **incremental search** in the log.



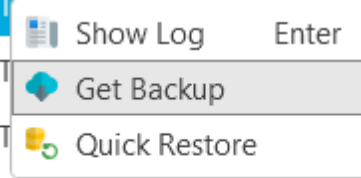
Use **Copy to Clipboard** button to copy all log content or selected records to the clipboard.

### 3.7 Getting backup from history

You can get the backup file from the Launches history on the Backup tasks tab.

Select the task in the Tasks list and then select the required launch. Select **Get Backup** from the popup menu.

Schedule name	Launch	Duration	Result
✓ DailySchedule	3/30/2022 1:00:17 AM UT		Success
✓ DailySchedule	3/29/2022 1:00:04 AM UT		Success
✓ DailySchedule	3/28/2022 1:00:09 AM UT		Success

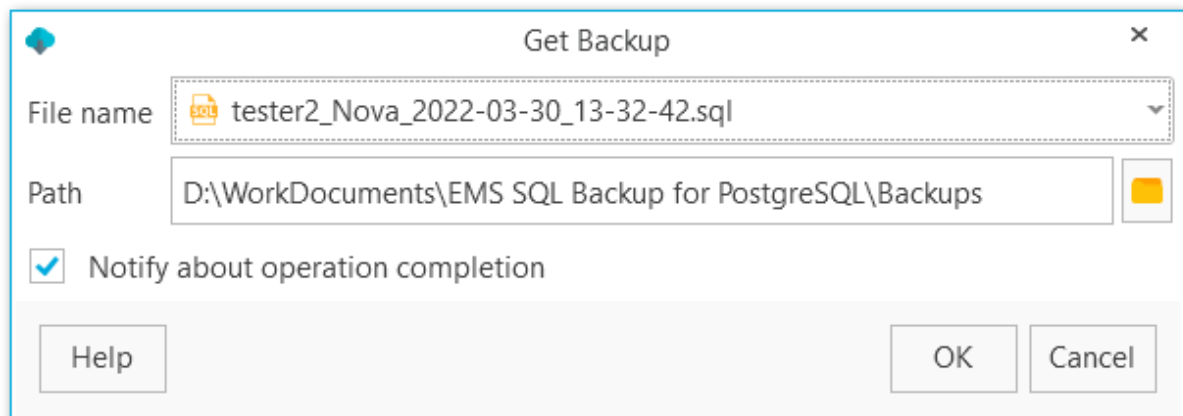


#### File name

The name of the downloading backup file.

#### Path

The location of the backup file.



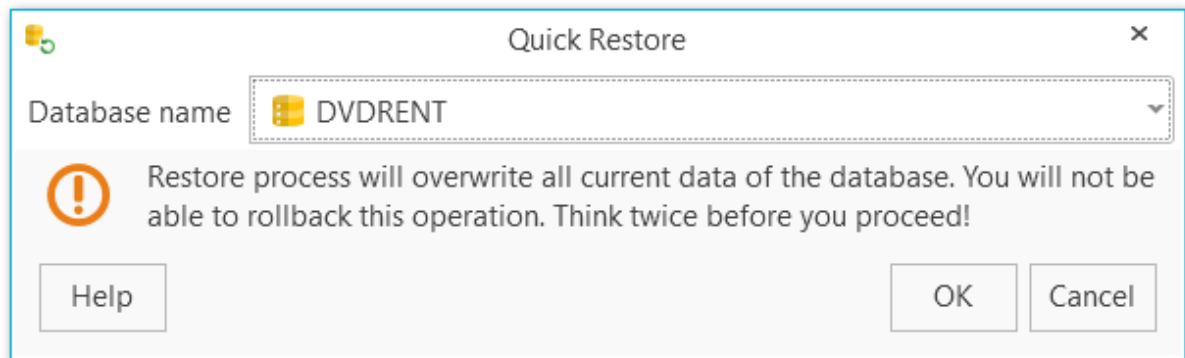
#### ☒ **Notify about operation completion**

Enable this option to get desktop notification on download complete.

### 3.8 Quick restore

Use **Quick Restore** from the launch history to restore the database to the selected state.

**NB:** This operation cannot be rolled back! The database will be restored to the selected state immediately.



**Database name**

Select the name of the database to be restored.

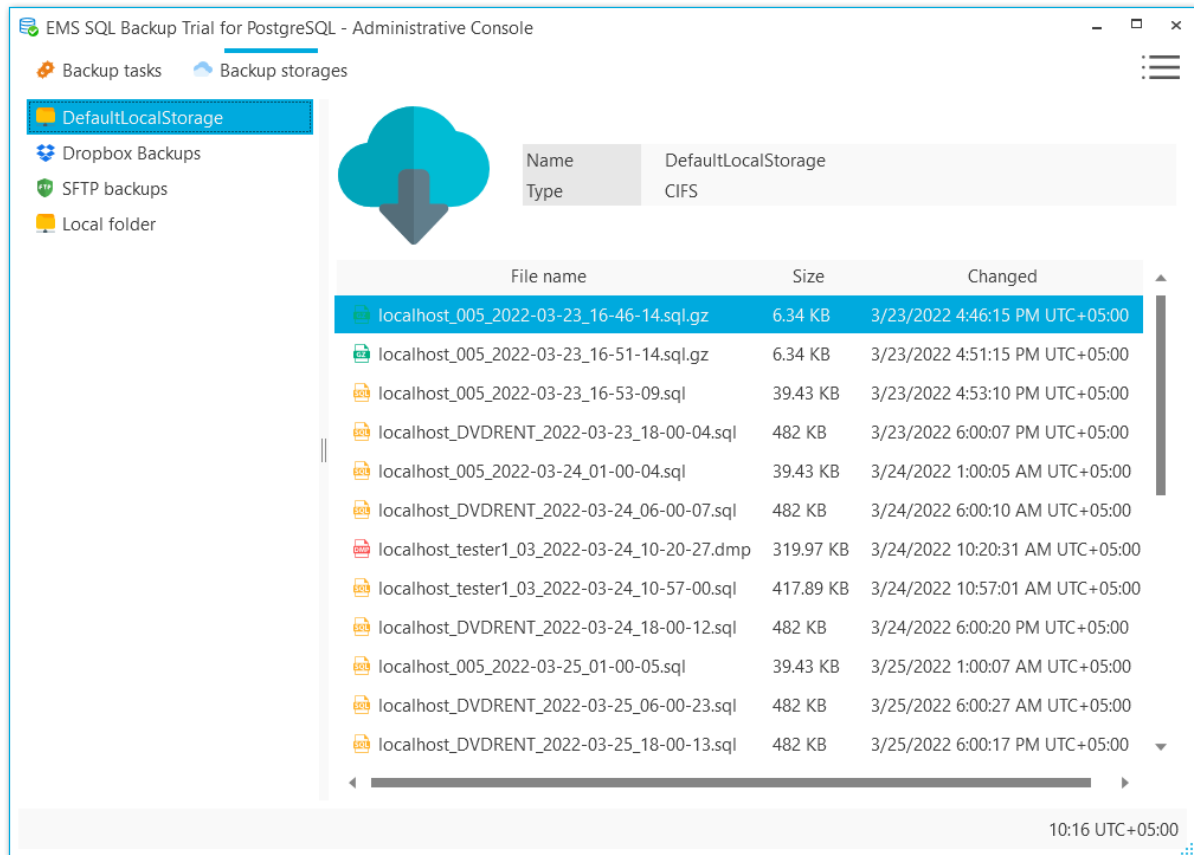
**Part**

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**IV**

## 4 Backup storages

At this tab you can create new backup storages, manage existing ones (edit and delete them from the popup menu) and view the list of available backups for each storage.



By default the DefaultLocalStorage is available, which stores backups in the C:\Users\<user\_name>\Documents\EMS Backup for PostgreSQL\Backups folder.



The default storages must be selected for each server before launching the [backup](#). Note, that you can select several default targets and backup files will be stored in each of them.

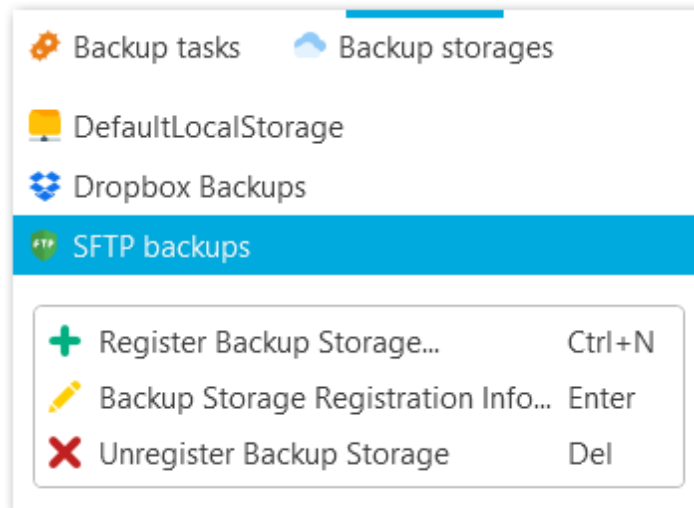
### See also:

[Register backup storage wizard](#)

[Backup storage editor](#)

## 4.1 Register backup storage wizard

This wizard guides you through creating a new backup storage. To create a new storage proceed to the  **Backup storages** section and select the  **Register backup storage** item from the popup menu.



### Steps

[Specify backup target type](#)

[Specifying backup storage name](#)

[SMB/CIFS settings](#)

[FTP settings](#)

[SFTP settings](#)

[Amazon S3 cloud settings](#)

[Microsoft Azure cloud settings](#)

[Dropbox settings](#)

[Google drive settings](#)

[Performing operation](#)

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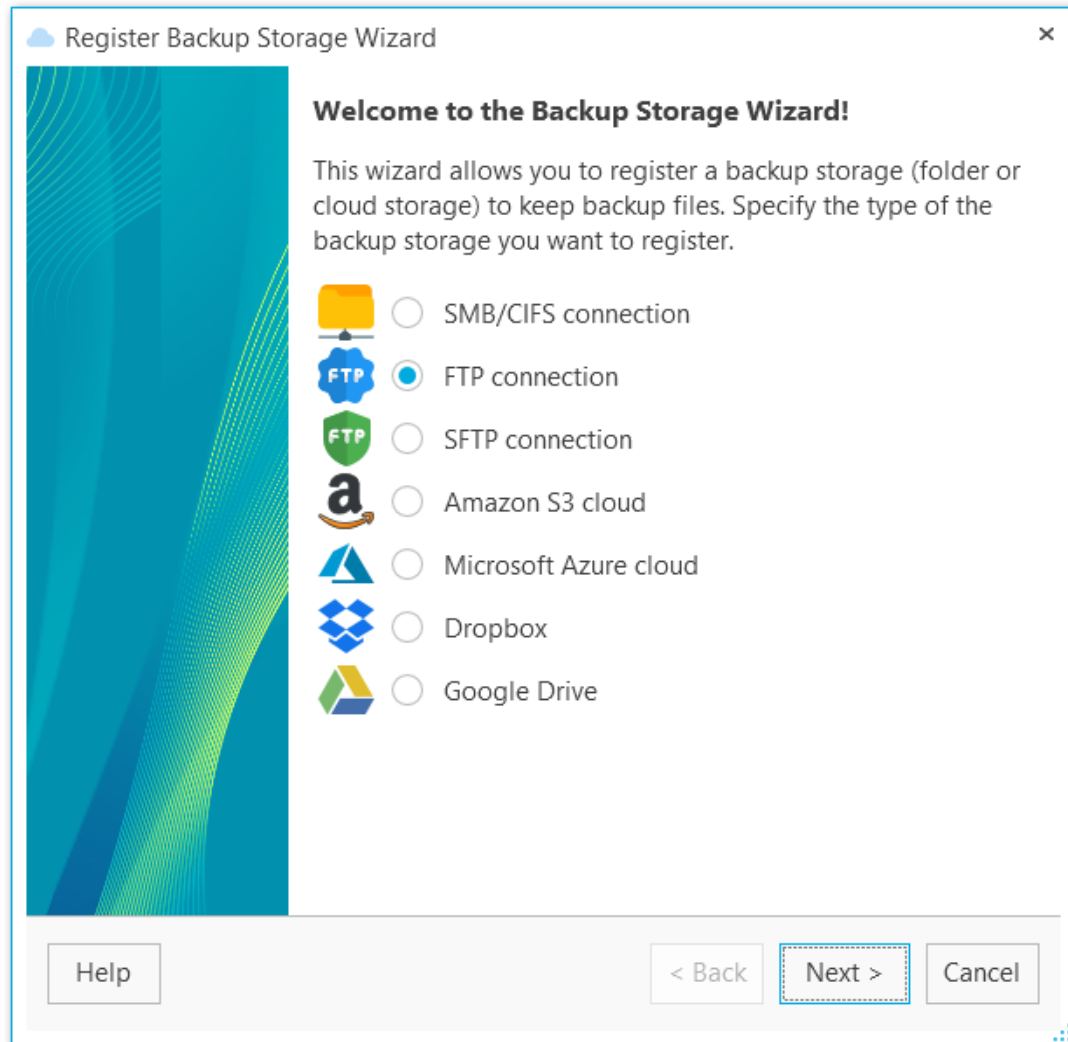
### See also:

[Backup storage editor](#)



### 4.1.1 Specify backup target type

Select the required backup storage from the list. It will be saved in the storages list for future use.



You can select one of the following destination types:

- ☒ SMB or CIFS
- ☒ FTP
- ☒ SFTP cloud
- ☒ Amazon S3
- ☒ Microsoft Azure cloud
- ☒ Dropbox
- ☒ Google Drive

**NB:** **Amazon S3** and **Microsoft Azure** is only available in PRO version. **SFTP** storage is only available in Standard and PRO versions. See the [differences](#).

[Next step >>](#)

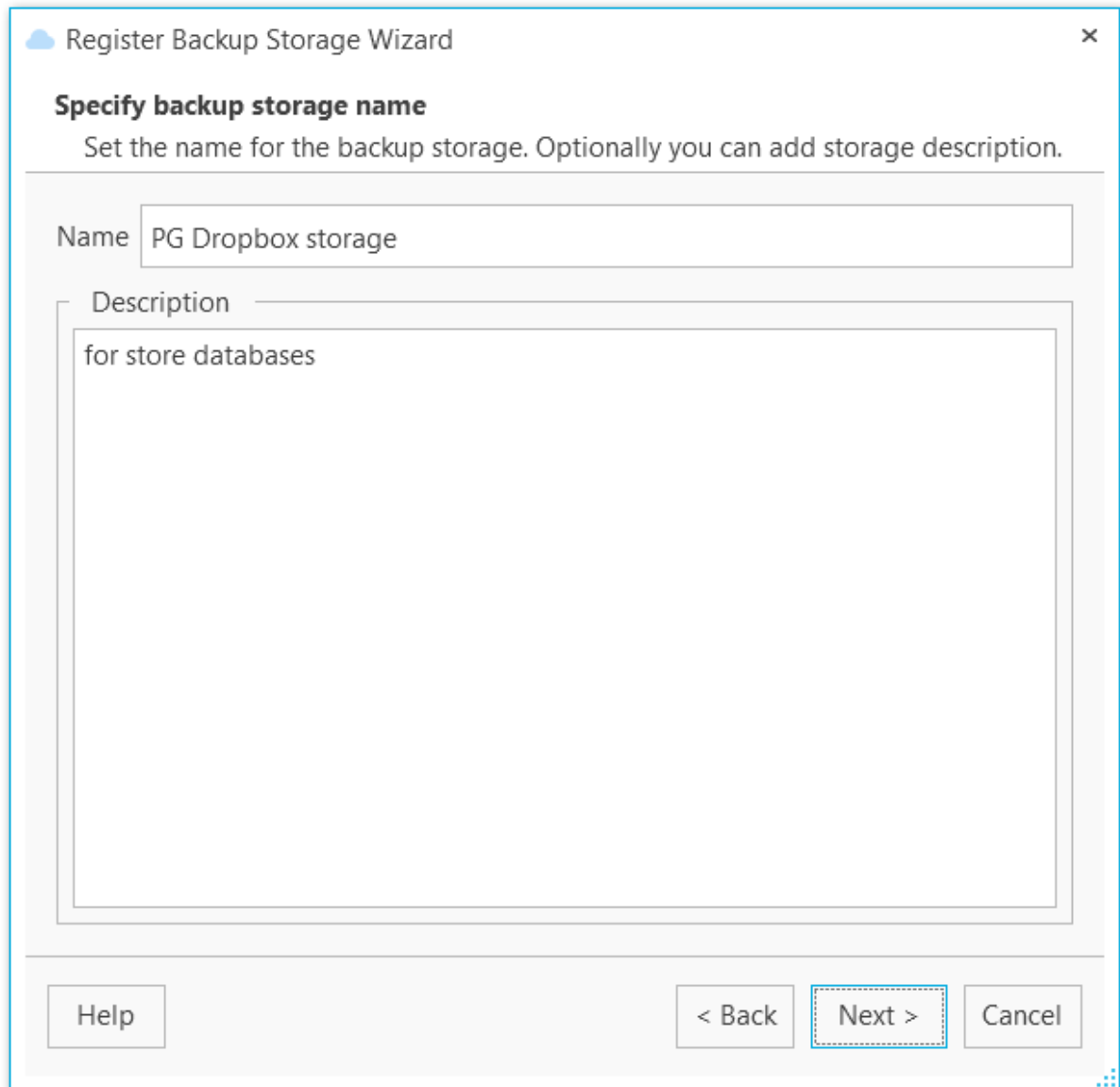
### 4.1.2 Specifying backup storage name

**Name**

Set the backup storage name

**Description**

Add extended description for the storage if needed.



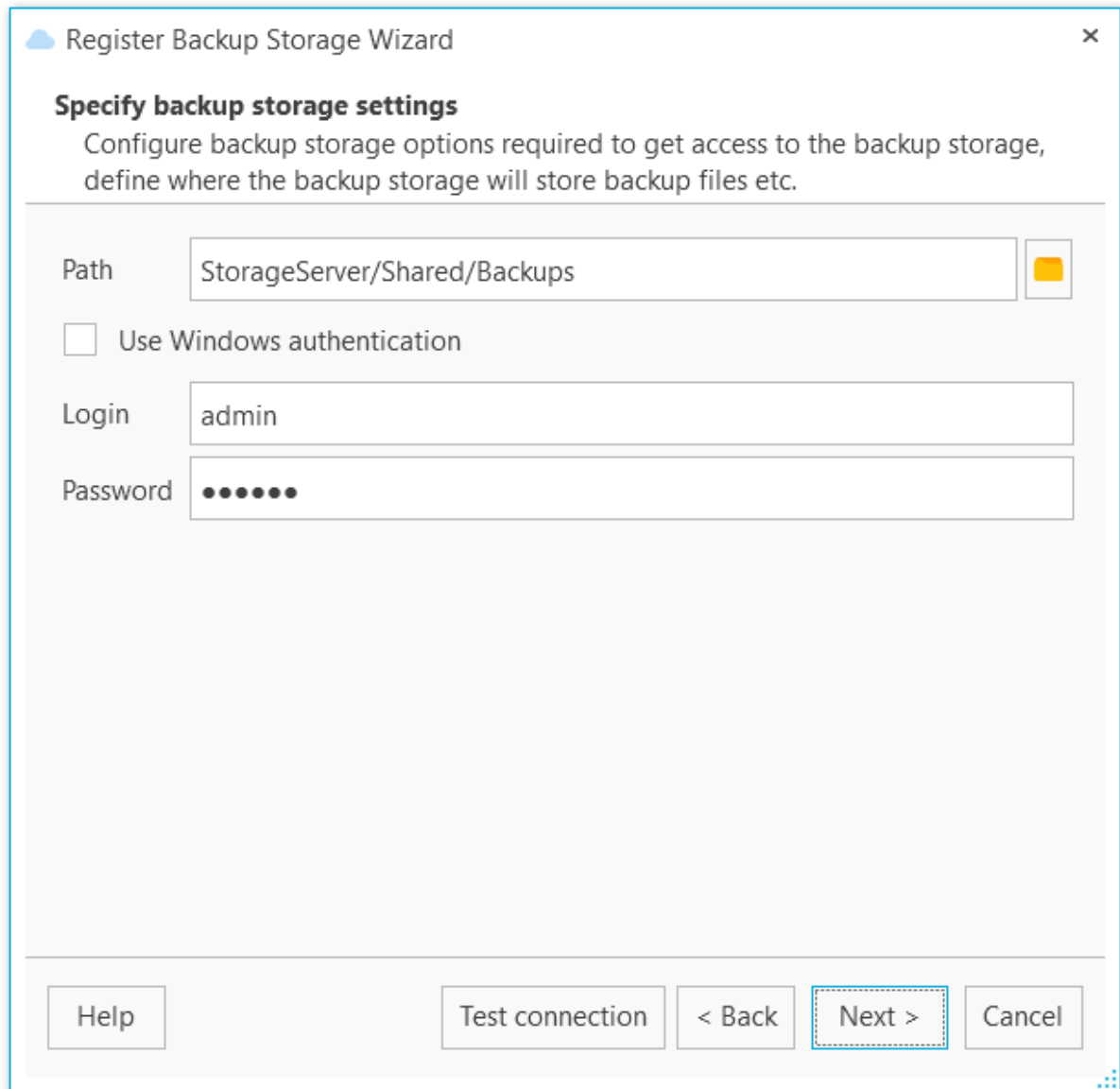
The image shows a Windows-style dialog box titled "Register Backup Storage Wizard". Inside the dialog, the title "Specify backup storage name" is followed by the instruction "Set the name for the backup storage. Optionally you can add storage description." Below this, there is a text input field labeled "Name" containing the text "PG Dropbox storage". Underneath the name field is a larger text area labeled "Description" containing the text "for store databases". At the bottom of the dialog, there are four buttons: "Help", "< Back", "Next >" (which is highlighted with a dashed blue border), and "Cancel".

[<< Previous step](#)

[Next step >>](#)

### 4.1.3 SMB/CIFS settings

The SMB/CIFS Connection Settings dialog is provided for configuring local or remote network folders.



The image shows a Windows-style dialog box titled "Register Backup Storage Wizard". It has a close button (X) in the top right corner. The main heading is "Specify backup storage settings", followed by a descriptive text: "Configure backup storage options required to get access to the backup storage, define where the backup storage will store backup files etc." Below this, there are several input fields: a "Path" field containing "StorageServer/Shared/Backups" with a yellow folder icon button to its right; a checkbox labeled "Use Windows authentication" which is currently unchecked; a "Login" field containing "admin"; and a "Password" field with seven dots representing masked text. At the bottom of the dialog, there are five buttons: "Help", "Test connection", "< Back", "Next >" (which is highlighted with a dashed border), and "Cancel".

#### Path

Set the local or network folder for storing backup copies. Use the Select folder button to browse for the folder. Note that a path to a network folder must be specified in the UNC format.

#### ☒ Use Windows authentication

Check this option to use Windows authentication to access the folder, otherwise set the **Login** and **Password**. Note that the specified user should have sufficient rights to write to the target folder.

Click the **Test connection** button to check connection to the selected folder with the settings defined above.

[<< Previous step](#)

[Next step >>](#)

#### 4.1.4 FTP settings

The FTP settings dialog is provided for configuring FTP server connection.

**Host**

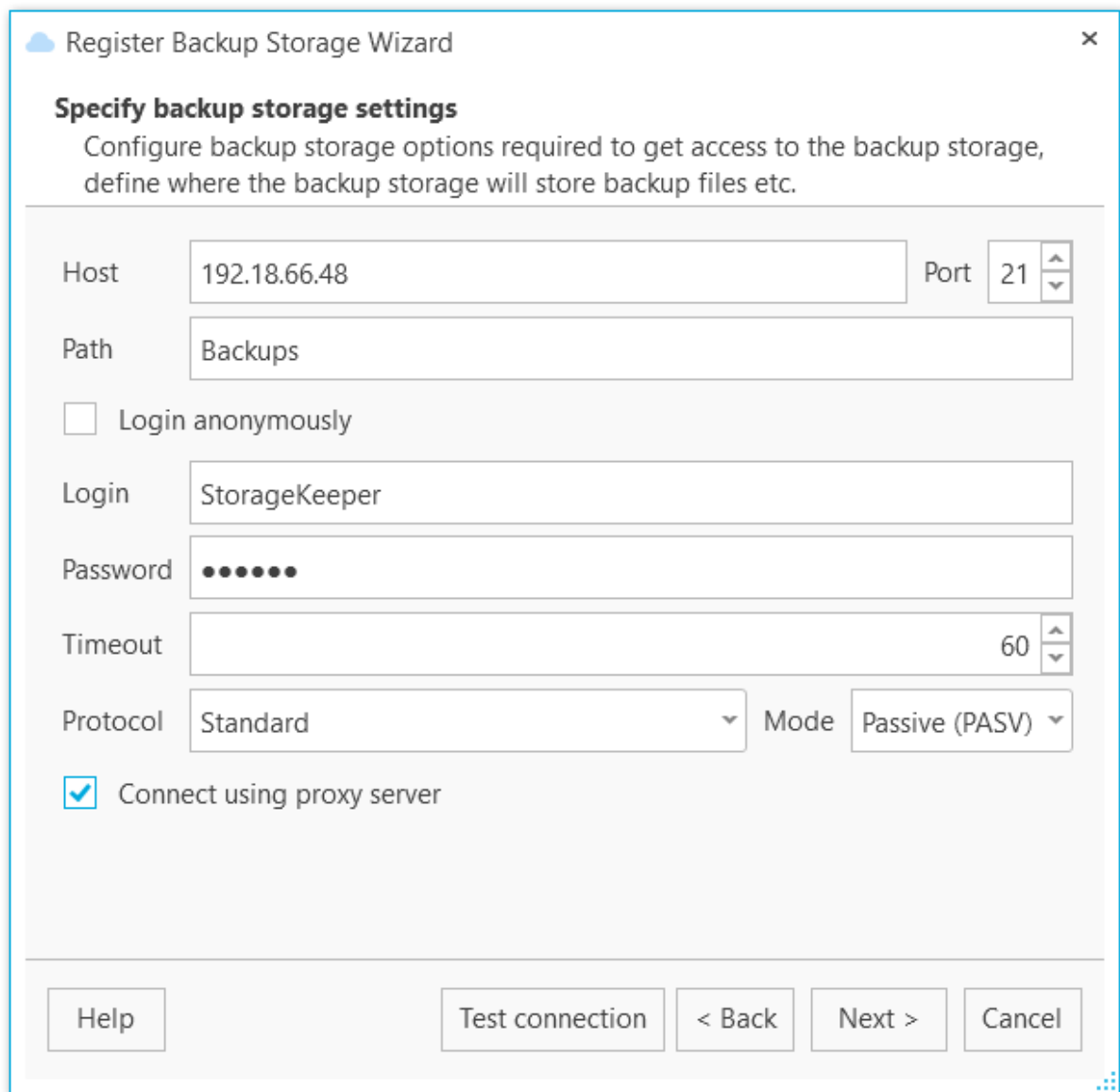
Specify the FTP server name or its IP.

**Port**

Set the port value for FTP server.

**Path**

Specify the folder on the FTP server where backup files will be uploaded. If the specified directory does not exist on the server it will be created on the first upload process.



The image shows a screenshot of the 'Register Backup Storage Wizard' dialog box. The title bar says 'Register Backup Storage Wizard' with a close button. The main heading is 'Specify backup storage settings' with a subtitle: 'Configure backup storage options required to get access to the backup storage, define where the backup storage will store backup files etc.' The form contains the following fields and controls:

- Host:** Text input field containing '192.18.66.48'.
- Port:** Spin box containing '21'.
- Path:** Text input field containing 'Backups'.
- Login anonymously:** A checkbox that is currently unchecked.
- Login:** Text input field containing 'StorageKeeper'.
- Password:** Text input field with masked characters (dots).
- Timeout:** Spin box containing '60'.
- Protocol:** Dropdown menu set to 'Standard'.
- Mode:** Dropdown menu set to 'Passive (PASV)'.
- Connect using proxy server:** A checkbox that is currently checked.

At the bottom of the dialog are five buttons: 'Help', 'Test connection', '< Back', 'Next >', and 'Cancel'.

☒ **Login anonymously**

Select this option if you don't need to enter login and password to access to the server, otherwise provide valid **Login** and **Password** values in the corresponding fields. Note that the specified user should have sufficient rights to write to the target folder.

**Timeout**

Specify the timeout in seconds for inactivity of data channel.

**Protocol**

Select the protocol that should be used for backup files transferring. The possible values are: *Standard FTP*, *Implicit SSL/TLS*, *Explicit SSL/TLS*.

**Mode**

Select the mode of the FTP connection: *Passive (PASV)*, *Active (PORT)*.

☒ **Connect using proxy server**

Check this option to use proxy settings set at [Proxy server](#) options.

Click the **Test connection** button to check connection to the selected folder with the settings defined above.

[<< Previous step](#)

[Next step >>](#)

### 4.1.5 SFTP settings

The SFTP settings dialog is provided for configuring SFTP (Secure File Transfer Protocol) server connection for uploading backup files.

**Host**

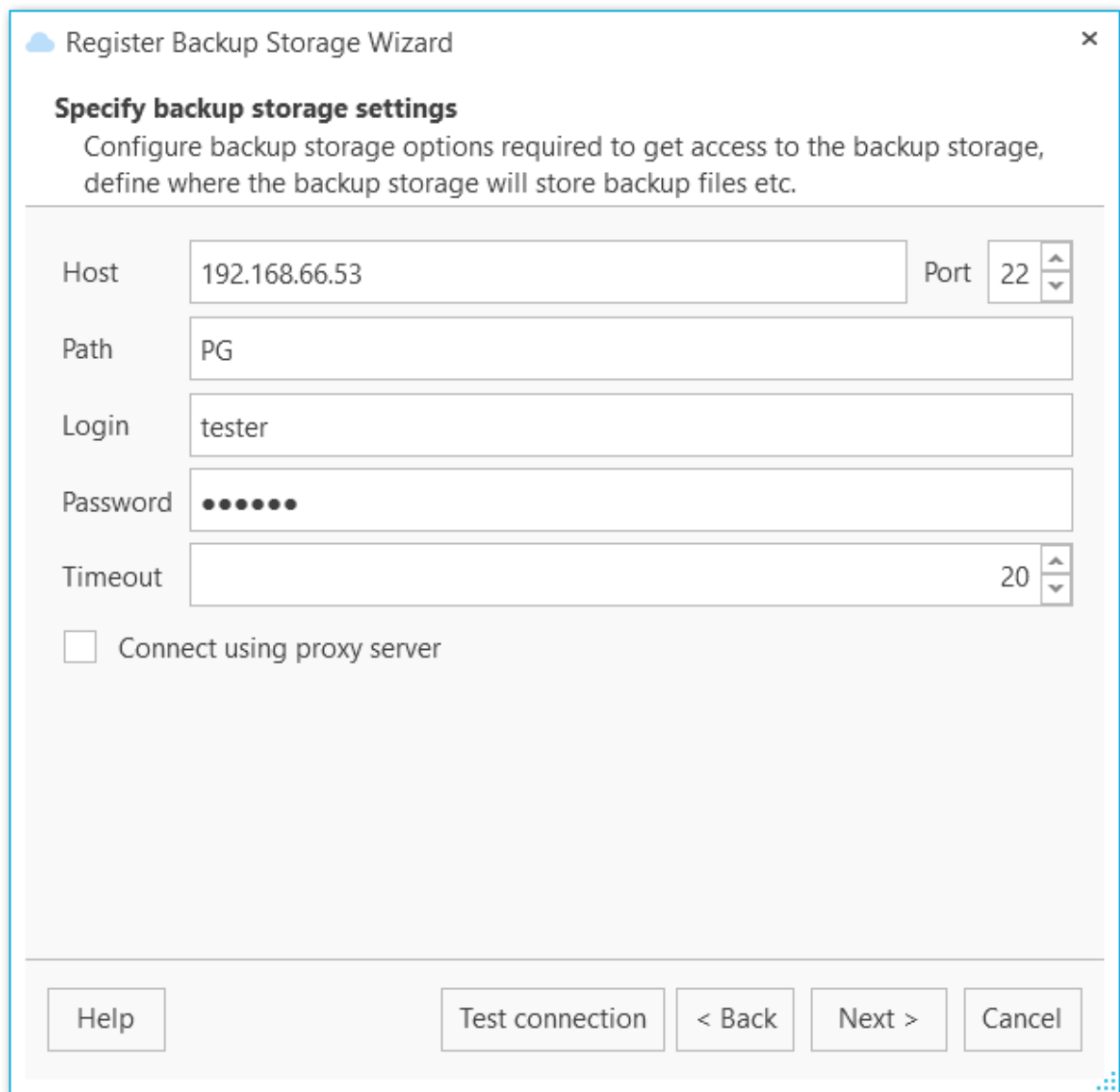
Input server name or its IP address.

**Port**

Specify the port to connect to SFTP server.

**Path**

Define the directory on the SFTP server where backup files will be uploaded to. If the specified directory does not exist on the server it will be created on the first upload.



The image shows a screenshot of the 'Register Backup Storage Wizard' dialog box. The title bar includes a cloud icon and the text 'Register Backup Storage Wizard' with a close button. The main heading is 'Specify backup storage settings', followed by a descriptive text: 'Configure backup storage options required to get access to the backup storage, define where the backup storage will store backup files etc.' Below this, there are several input fields: 'Host' with the value '192.168.66.53', 'Port' with a spinner set to '22', 'Path' with the value 'PG', 'Login' with the value 'tester', 'Password' with masked characters '••••••', and 'Timeout' with a spinner set to '20'. At the bottom left, there is a checkbox labeled 'Connect using proxy server' which is currently unchecked. At the bottom right, there are five buttons: 'Help', 'Test connection', '< Back', 'Next >', and 'Cancel'.

Register Backup Storage Wizard

**Specify backup storage settings**  
Configure backup storage options required to get access to the backup storage, define where the backup storage will store backup files etc.

Host: 192.168.66.53 Port: 22

Path: PG

Login: tester

Password: ••••••

Timeout: 20

☐ Connect using proxy server

Help Test connection < Back Next > Cancel



**Login**

Input user name for SFTP server.

**Password**

Input password for the specified user of SFTP server.

**Timeout**

Specify the timeout in seconds for inactivity of data channel.

**Connect using proxy server**

Check this option to use proxy settings set at [Proxy server](#) options.

Click the **Test connection** button to check connection to the selected folder with the settings defined above.

[<< Previous step](#)

[Next step >>](#)

### 4.1.6 Amazon S3 cloud settings

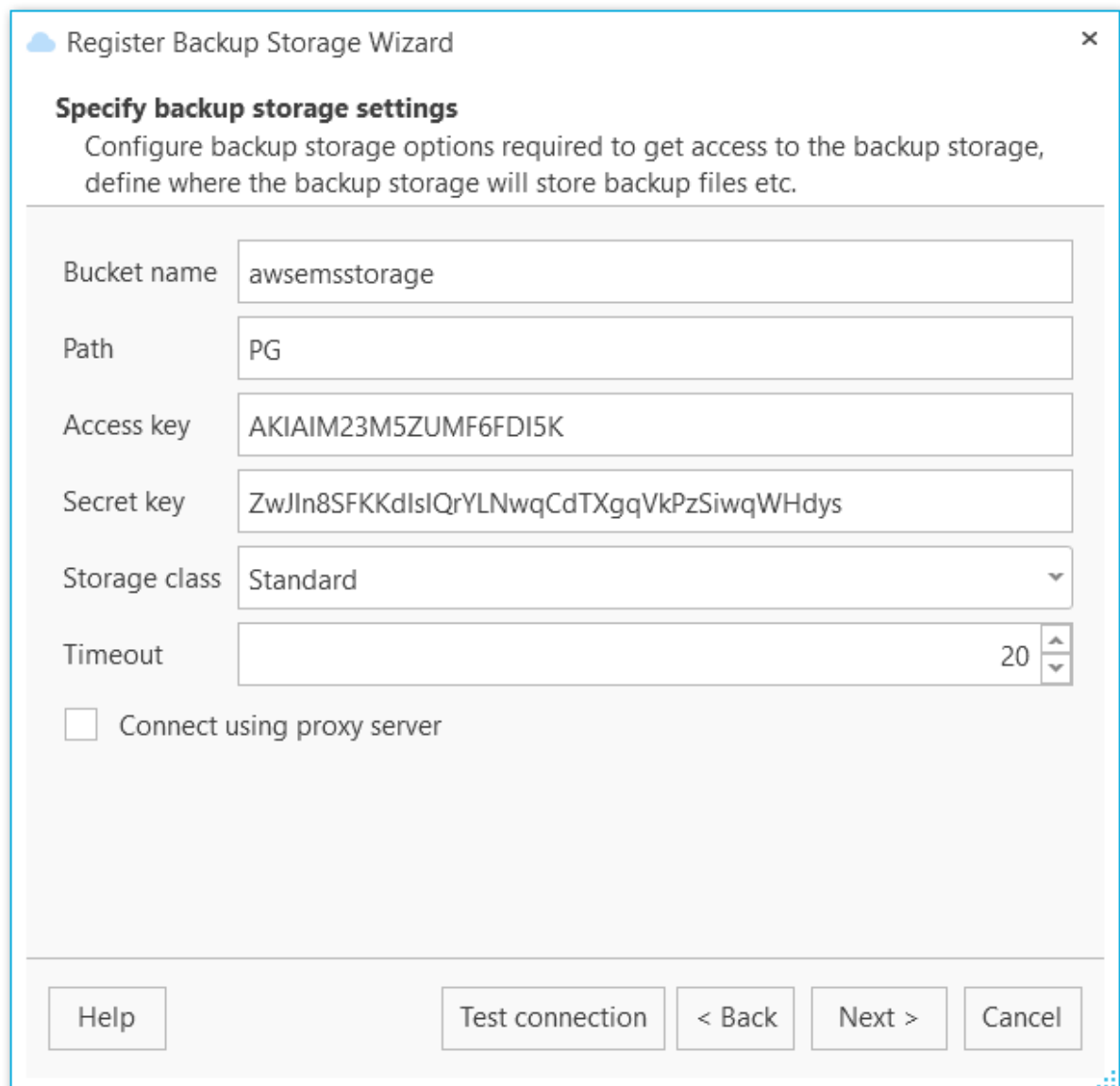
The Amazon S3 cloud settings dialog is provided for configuring connection to Amazon S3 bucket.

**Bucket name**

Define the bucket that will be used for storing backups. You can create a bucket on the Amazon website. If the specified bucket does not exist it will be created automatically in US Standard region. Note that the bucket name must be unique among all Amazon S3 buckets.

**Path**

If you want backup files to be stored in a folder then set the path to the folder within the specified bucket. The folder will be created automatically on file upload. Use the '/' as a directory separator. For example, 'backups/Adventure Works'.



The image shows a 'Register Backup Storage Wizard' dialog box. It has a title bar with a cloud icon and a close button. The main heading is 'Specify backup storage settings', followed by a descriptive text: 'Configure backup storage options required to get access to the backup storage, define where the backup storage will store backup files etc.' Below this are several input fields: 'Bucket name' with the value 'awsemsstorage', 'Path' with 'PG', 'Access key' with 'AKIAIM23M5ZUMF6FDI5K', 'Secret key' with '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', 'Storage class' with a dropdown menu showing 'Standard', and 'Timeout' with a numeric input field set to '20' and up/down arrows. At the bottom left is a checkbox labeled 'Connect using proxy server' which is unchecked. At the bottom are five buttons: 'Help', 'Test connection', '< Back', 'Next >', and 'Cancel'.

Register Backup Storage Wizard

**Specify backup storage settings**  
Configure backup storage options required to get access to the backup storage, define where the backup storage will store backup files etc.

Bucket name: awsemsstorage

Path: PG

Access key: AKIAIM23M5ZUMF6FDI5K

Secret key: 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

Storage class: Standard

Timeout: 20

☐ Connect using proxy server

Buttons: Help, Test connection, < Back, Next >, Cancel

**Access key**

Input access key to get access to the bucket. You can find this information on the Security Credentials page of your Amazon Web Services account.

**Secret key**

Input secret key to get access to the bucket. You can find this information on the Security Credentials page of your Amazon Web Services account.

**Storage class**

Select the storage class for uploaded backup files: *Standard* or *Reduced redundancy*.

**Timeout**

Specify the timeout in seconds for inactivity of data channel.

**Connect using proxy server**

Check this option to use proxy settings set at [Proxy server](#) options.

Click the **Test connection** button to check connection to the selected folder with the settings defined above.

[<< Previous step](#)

[Next step >>](#)

### 4.1.7 Microsoft Azure cloud settings

Use this step to configure connection to Microsoft Azure BLOB storage container.

**Account name**

Enter the name of the Microsoft Azure storage account.

**Account key**

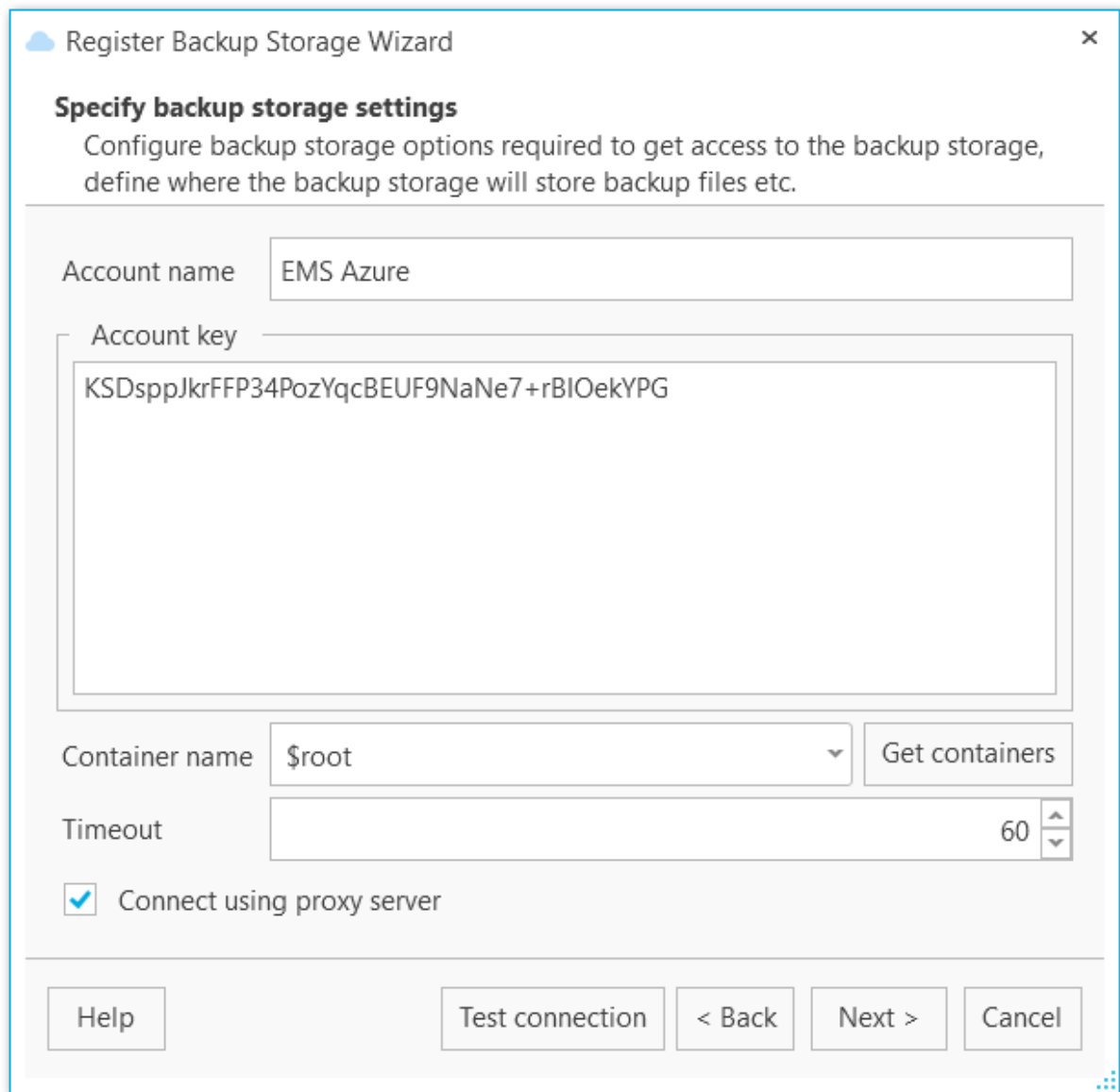
Enter the storage access key. Either primary or secondary key can be used.

**Container name**

Every blob in Azure storage resides in a container. Enter the existing container name or any new valid name.

**Get containers**

Use the button to get the list of Azure containers automatically.



The image shows a 'Register Backup Storage Wizard' dialog box. It has a title bar with a cloud icon and a close button. The main heading is 'Specify backup storage settings' with a subtitle: 'Configure backup storage options required to get access to the backup storage, define where the backup storage will store backup files etc.' The form contains several fields: 'Account name' with the value 'EMS Azure'; 'Account key' with a large text area containing 'KSDsppJkrFFP34PozYqcBEUF9NaNe7+rBIOekYPG'; 'Container name' with a dropdown menu showing '\$root' and a 'Get containers' button; 'Timeout' with a numeric input field set to '60' and up/down arrows; and a checked checkbox labeled 'Connect using proxy server'. At the bottom, there are five buttons: 'Help', 'Test connection', '< Back', 'Next >', and 'Cancel'.

Register Backup Storage Wizard

**Specify backup storage settings**  
Configure backup storage options required to get access to the backup storage, define where the backup storage will store backup files etc.

Account name: EMS Azure

Account key: KSDsppJkrFFP34PozYqcBEUF9NaNe7+rBIOekYPG

Container name: \$root (Get containers)

Timeout: 60

☒ Connect using proxy server

Buttons: Help, Test connection, < Back, Next >, Cancel

**Timeout**

Specify the timeout in seconds for inactivity of data channel.

☒ **Connect using proxy server**

Check this option to use proxy settings set at [Proxy server](#) options.

Click the **Test connection** button to check connection to the selected folder with the settings defined above.

[<< Previous step](#)

[Next step >>](#)


### 4.1.8 Dropbox settings

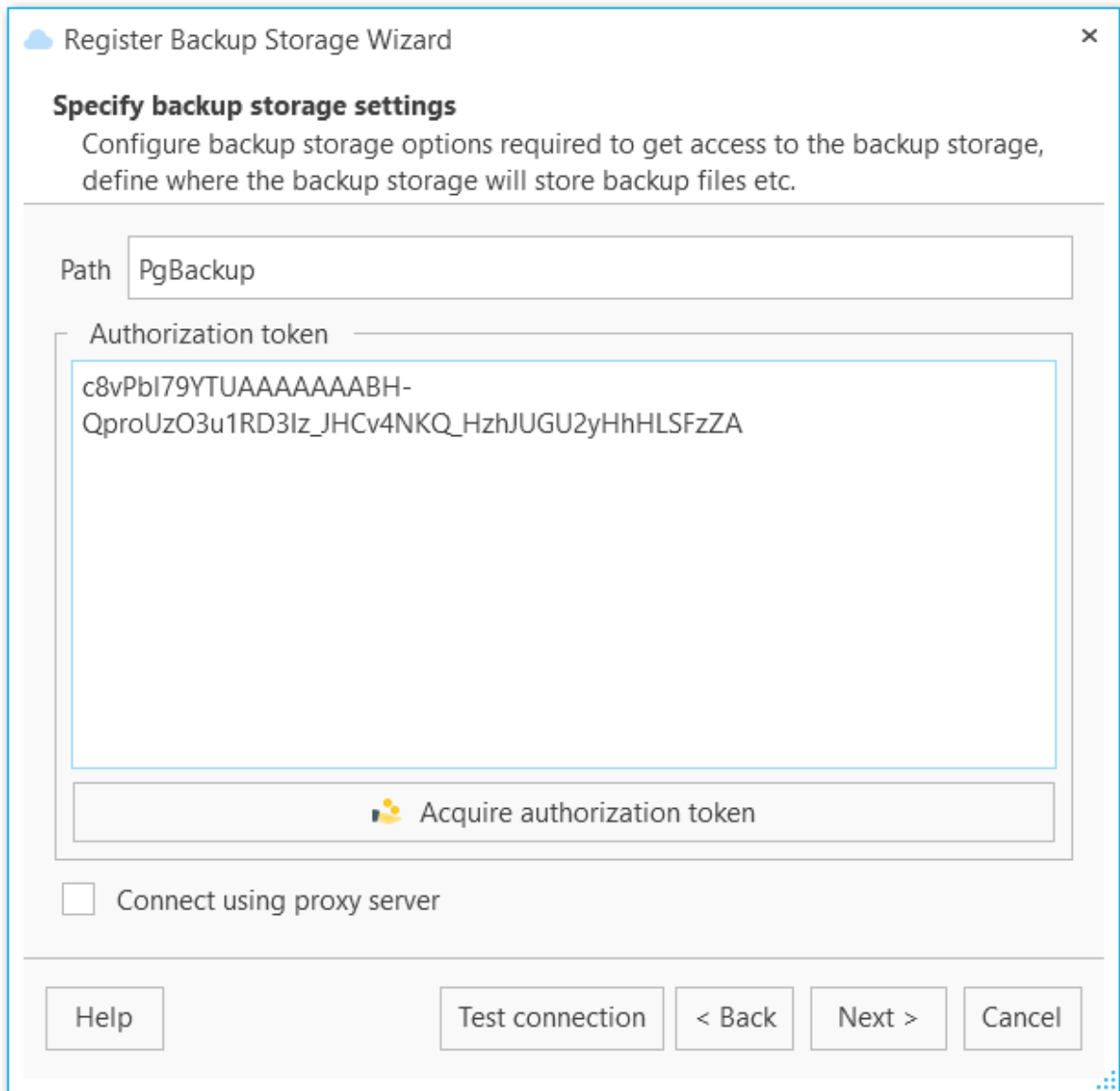
Use this step to configure connection to Dropbox account.

#### Path

EMS SQL Backup uploads files to the 'Apps/EMS SQL Backup' folder in Dropbox by default. If you need to store backup files in its subfolder, set the relative path in this field. If the specified folder doesn't exist, it will be created automatically on uploading the files. Use '/' as a path separator. For example, if you set 'backups/Adventure Works' in this field the files will be uploaded to 'Apps/EMS SQL Backup/backups/Adventure Works'.

#### Authorization token

Input Dropbox authorization token manually or use  **Acquire authorization token** button to get it automatically.



The image shows a 'Register Backup Storage Wizard' dialog box. It has a title bar with a cloud icon and a close button. The main content area is titled 'Specify backup storage settings' and includes a description: 'Configure backup storage options required to get access to the backup storage, define where the backup storage will store backup files etc.' There are two input fields: 'Path' with the value 'PgBackup' and 'Authorization token' with a long alphanumeric string. Below the 'Authorization token' field is a button with a person icon and the text 'Acquire authorization token'. At the bottom left is a checkbox labeled 'Connect using proxy server'. The bottom of the dialog features five buttons: 'Help', 'Test connection', '< Back', 'Next >', and 'Cancel'.


Register Backup Storage Wizard

**Specify backup storage settings**  
Configure backup storage options required to get access to the backup storage, define where the backup storage will store backup files etc.

Path PgBackup

Authorization token

c8vPbI79YTUAAAAAABH-  
QproUzO3u1RD3Iz\_JHCv4NKQ\_HzhJUGU2yHhHLSFzZA

 Acquire authorization token

☐ Connect using proxy server

Help Test connection < Back Next > Cancel

☒ **Connect using proxy server**

Check this option to use proxy settings set at [Proxy server](#) options.

Click the **Test connection** button to check connection to the selected folder with the settings defined above.

[<< Previous step](#)

[Next step >>](#)


### 4.1.9 Google drive settings

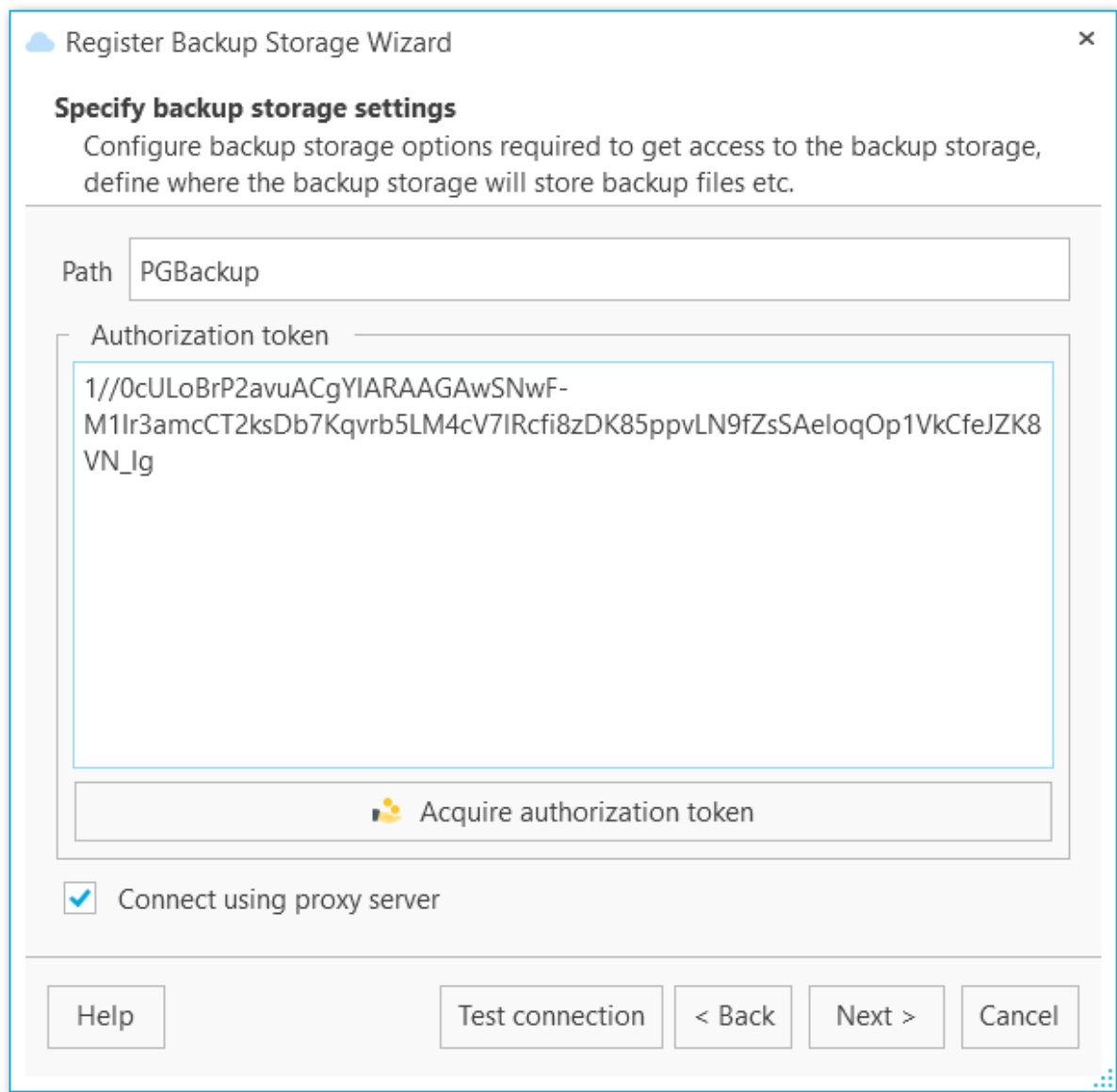
Use this step to configure connection to Google Drive account.

#### Path

EMS SQL Backup uploads files to the root folder in Google Drive by default. If you need to store backup files in subfolder, set the path in this field. If the specified folder doesn't exist, it will be created automatically on uploading the files. Use '/' as a path separator (for example, 'backups/Adventure Works').

#### Authorization token

Input Google drive authorization token manually or use  **Acquire authorization token** button to get it automatically.



The image shows a 'Register Backup Storage Wizard' dialog box. It has a title bar with a cloud icon and a close button. The main title is 'Specify backup storage settings' with a subtitle 'Configure backup storage options required to get access to the backup storage, define where the backup storage will store backup files etc.' Below this, there is a 'Path' field with the text 'PGBackup'. Underneath is an 'Authorization token' section with a large text area containing a long alphanumeric string: '1//0cULoBrP2avuACgYIARAAGAwSNwF-M1lr3amcCT2ksDb7KqvrB5LM4cV7IRcfi8zDK85ppvLN9fZsSAeloqOp1VkCfeJZK8VN\_Ig'. Below the text area is a button with a person icon and the text 'Acquire authorization token'. At the bottom left, there is a checked checkbox labeled 'Connect using proxy server'. The bottom of the dialog features five buttons: 'Help', 'Test connection', '< Back', 'Next >', and 'Cancel'.


Register Backup Storage Wizard

**Specify backup storage settings**  
Configure backup storage options required to get access to the backup storage, define where the backup storage will store backup files etc.

Path PGBackup

Authorization token

1//0cULoBrP2avuACgYIARAAGAwSNwF-M1lr3amcCT2ksDb7KqvrB5LM4cV7IRcfi8zDK85ppvLN9fZsSAeloqOp1VkCfeJZK8VN\_Ig

 Acquire authorization token

☒ Connect using proxy server

Help Test connection < Back Next > Cancel



☒ **Connect using proxy server**

Check this option to use proxy settings set at [Proxy server](#) options.

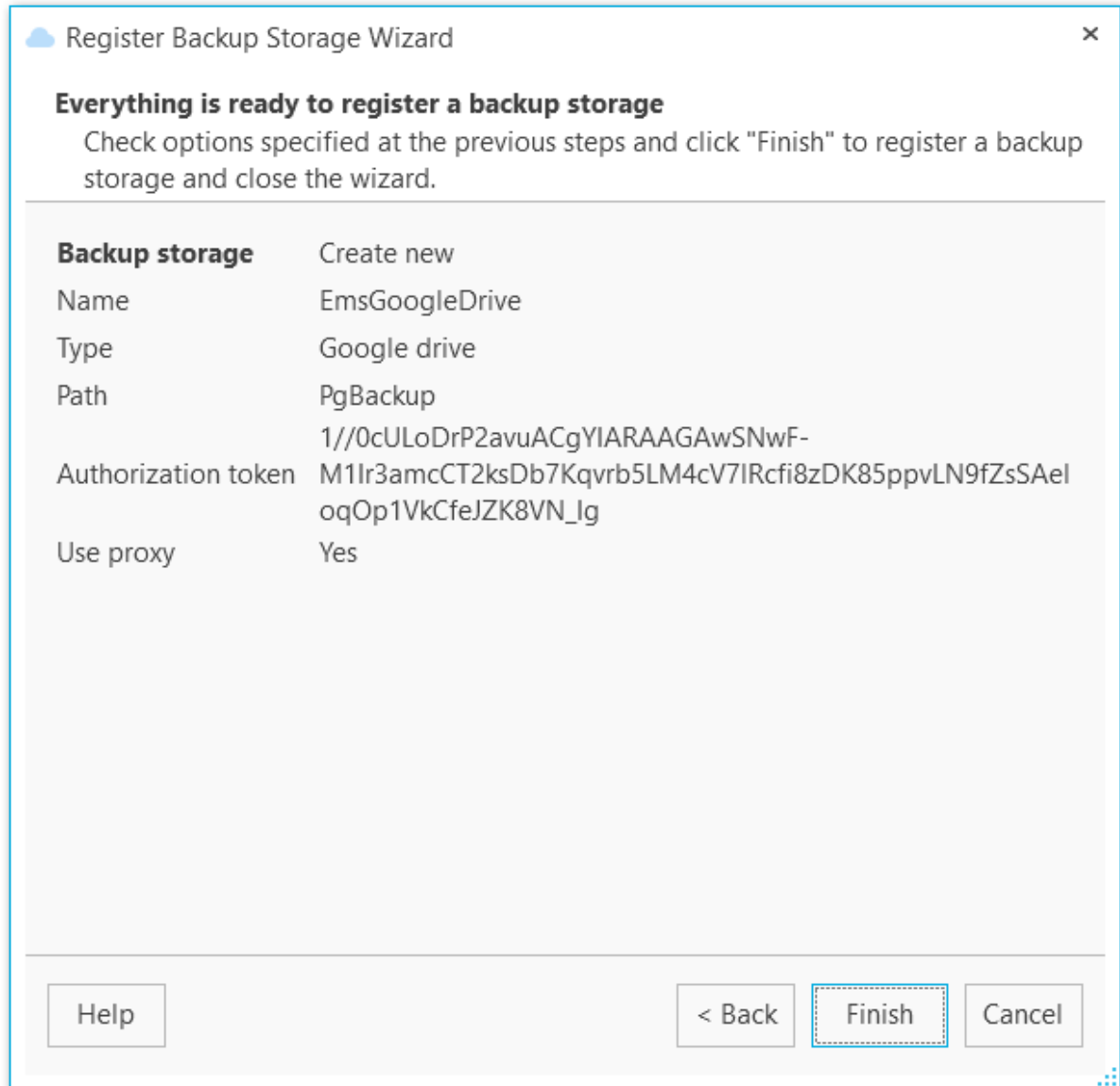
Click the **Test connection** button to check connection to the selected folder with the settings defined above.

[<< Previous step](#)


[Next step >>](#)

#### 4.1.10 Performing operation

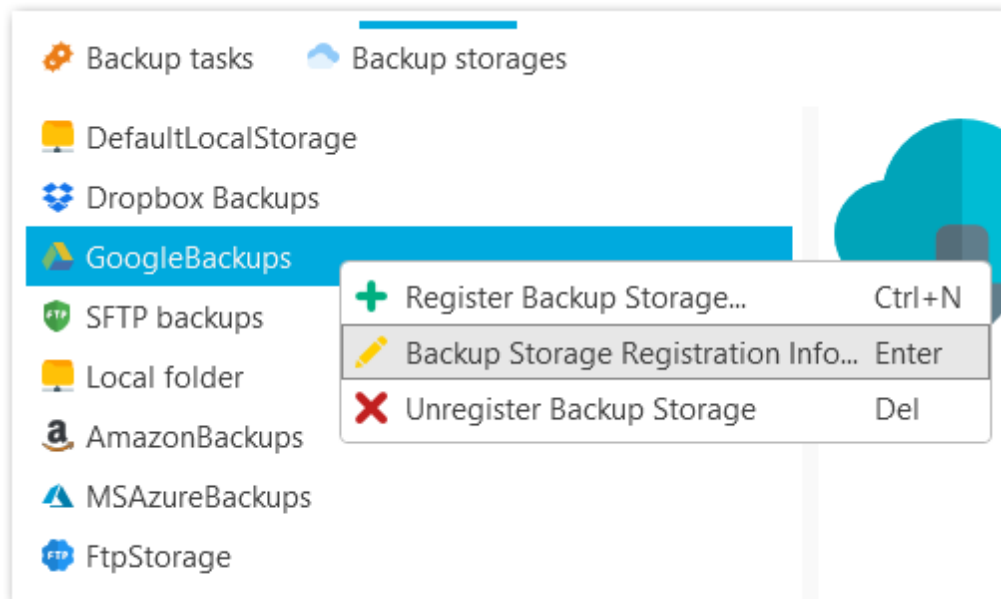
This step informs you that all necessary options have been set, you can view the result summary and click **Finish** button to create the backup storage.



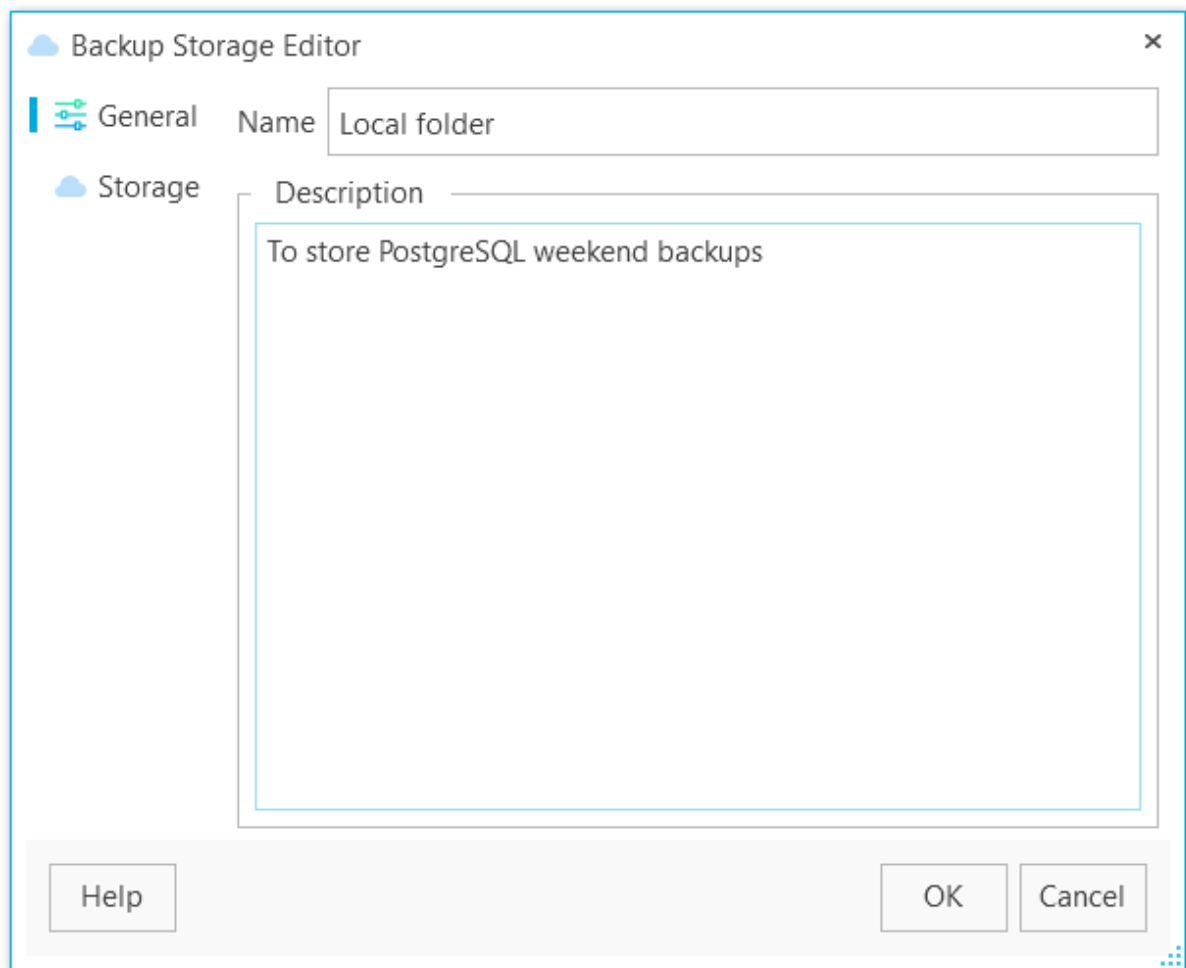
## 4.2 Backup storage editor

You can edit storages created with [Register backup storage wizard](#) on the  **Backup storages** tab of the program.

Double-click the storage or use Backup Storage Registration Info from the popup menu to view the details or edit the storage.



The **General** tab of the Backup Storage Editor displays Name and Description, which can be changed.



The **Storage** tab displays connection information, which depends on storage type:

[SMB/CIFS storage info](#)

[FTP storage info](#)

[SFTP storage info](#)

[Amazon S3 storage info](#)

[Microsoft Azure storage info](#)

[Dropbox storage info](#)

[Google drive storage info](#)

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**See also:**

[Register backup storage wizard](#)

### 4.2.1 SMB/CIFS storage info

At this tab you can edit SMB/CIFS storage connection settings.

The screenshot shows the 'Backup Storage Editor' dialog box with the 'Storage' tab selected. The 'Path' field is set to 'C:\Users\tester\Documents\EMS SQL Backup for Postg'. The 'Use Windows authentication' checkbox is checked. The 'Login' and 'Password' fields are empty. The 'Test connection' button is highlighted.

Backup Storage Editor

General Path C:\Users\tester\Documents\EMS SQL Backup for Postg

Storage ☒ Use Windows authentication

Login

Password

Help Test connection OK Cancel

#### Path

Set the local or network folder for storing backup copies. Use the Select folder button to browse for the folder. Note that a path to a network folder must be specified in the UNC format.

#### ☒ Use Windows authentication

Check this option to use Windows authentication to access the folder, otherwise set the **Login** and **Password**. Note that the specified user should have sufficient rights to write to the target folder.

Click the **Test connection** button to check connection to the selected folder with the settings defined above.

### 4.2.2 FTP storage info

At this tab you can edit FTP storage connection settings.

**Host**

Specify the FTP server name or its IP.

**Port**

Set the port value for FTP server.

**Path**

Specify the folder on the FTP server where backup files will be uploaded. If the specified directory does not exist on the server it will be created on the first upload process.

The screenshot shows the 'Backup Storage Editor' dialog box with the 'Storage' tab selected. The 'Host' field contains '192.18.66.48' and the 'Port' field contains '21'. The 'Path' field contains 'Backups'. The 'Login anonymously' checkbox is checked. The 'Login' and 'Password' fields are empty. The 'Timeout' field contains '60'. The 'Protocol' dropdown is set to 'Standard' and the 'Mode' dropdown is set to 'Passive (PASV)'. The 'Connect using proxy server' checkbox is unchecked. At the bottom, there are buttons for 'Help', 'Test connection', 'OK', and 'Cancel'.

Field	Value
Host	192.18.66.48
Port	21
Path	Backups
Login anonymously	<input checked="" type="checkbox"/>
Login	
Password	••••••••
Timeout	60
Protocol	Standard
Mode	Passive (PASV)
Connect using proxy server	<input type="checkbox"/>

☒ **Login anonymously**

Select this option if you don't need to enter login and password to access to the server, otherwise provide valid **Login** and **Password** values in the corresponding fields. Note that the specified user should have sufficient rights to write to the target folder.

**Timeout**

Specify the timeout in seconds for inactivity of data channel.

**Protocol**

Select the protocol that should be used for backup files transferring. The possible values are: *Standard FTP*, *Implicit SSL/TLS*, *Explicit SSL/TLS*.

**Mode**

Select the mode of the FTP connection: *Passive (PASV)*, *Active (PORT)*.

**Connect using proxy server**

Check this option to use proxy settings set at [Proxy server](#) options.

Click the **Test connection** button to check connection to the selected folder with the settings defined above.

### 4.2.3 SFTP storage info

At this tab you can edit SFTP storage connection settings.

**Host**

Input server name or its IP address.

**Port**

Specify the port to connect to SFTP server.

**Path**

Define the directory on the SFTP server where backup files will be uploaded to. If the specified directory does not exist on the server it will be created on the first upload.

The screenshot shows the 'Backup Storage Editor' dialog box with the 'Storage' tab selected. The dialog has a title bar with a cloud icon and a close button. On the left, there are two tabs: 'General' (with a gear icon) and 'Storage' (with a cloud icon). The 'Storage' tab contains the following fields and controls:

- Host:** A text input field containing '192.168.66.53'.
- Port:** A numeric input field with up/down arrows, containing '22'.
- Path:** A text input field containing 'backup'.
- Login:** A text input field containing 'tester'.
- Password:** A text input field with masked characters (dots).
- Timeout:** A numeric input field with up/down arrows, containing '60'.
- Connect using proxy server:** An unchecked checkbox.

At the bottom of the dialog, there are four buttons: 'Help', 'Test connection', 'OK', and 'Cancel'.

**Login**

Input user name for SFTP server.

**Password**

Input password for the specified user of SFTP server.



**Timeout**

Specify the timeout in seconds for inactivity of data channel.

**Connect using proxy server**

Check this option to use proxy settings set at [Proxy server](#) options.

Click the **Test connection** button to check connection to the selected folder with the settings defined above.

#### 4.2.4 Amazon S3 storage info

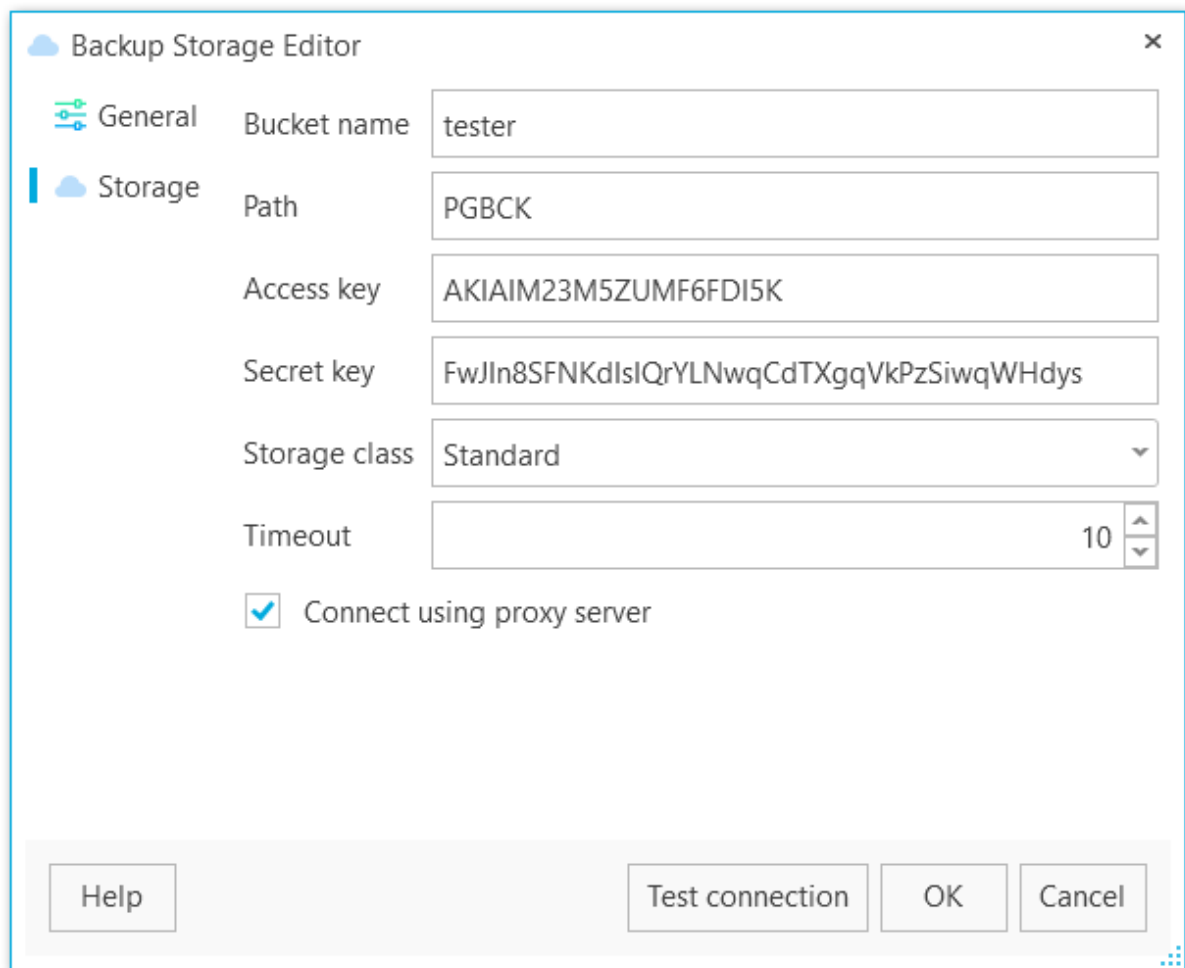
At this tab you can edit Amazon S3 cloud connection settings.

**Bucket name**

Define the bucket that will be used for storing backups. You can create a bucket on the Amazon website. If the specified bucket does not exist it will be created automatically in US Standard region. Note that the bucket name must be unique among all Amazon S3 buckets.

**Path**

If you want backup files to be stored in a folder then set the path to the folder within the specified bucket. The folder will be created automatically on file upload. Use the '/' as a directory separator. For example, 'backups/Adventure Works'.



The screenshot shows a dialog box titled "Backup Storage Editor" with a close button (X) in the top right corner. On the left, there are two tabs: "General" (with a gear icon) and "Storage" (with a cloud icon and a blue vertical bar). The "Storage" tab is selected. The form contains the following fields and controls:

- Bucket name:** A text input field containing the value "tester".
- Path:** A text input field containing the value "PGBCK".
- Access key:** A text input field containing the value "AKIAIM23M5ZUMF6FDI5K".
- Secret key:** A text input field containing the value "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".
- Storage class:** A dropdown menu with "Standard" selected.
- Timeout:** A text input field containing "10", followed by up and down arrow buttons.
- Connect using proxy server:** A checkbox that is checked.

At the bottom of the dialog, there are four buttons: "Help", "Test connection", "OK", and "Cancel".

**Access key**

Input access key to get access to the bucket. You can find this information on the Security Credentials page of your Amazon Web Services account.

**Secret key**

Input secret key to get access to the bucket. You can find this information on the Security Credentials page of your Amazon Web Services account.

**Storage class**

Select the storage class for uploaded backup files: *Standard* or *Reduced redundancy*.

**Timeout**

Specify the timeout in seconds for inactivity of data channel.

☒ **Connect using proxy server**

Check this option to use proxy settings set at [Proxy server](#) options.

Click the **Test connection** button to check connection to the selected folder with the settings defined above.

## 4.2.5 Microsoft Azure storage info

At this tab you can edit Microsoft Azure cloud connection settings.

### Account name

Enter the name of the Microsoft Azure storage account.

### Account key

Enter the storage access key. Either primary or secondary key can be used.

### Container name

Every blob in Azure storage resides in a container. Enter the existing container name or any new valid name.

### Get containers

Use the button to get the list of Azure containers automatically.

The screenshot shows the 'Backup Storage Editor' dialog box with the 'Storage' tab selected. The 'Account name' field contains 'tester'. The 'Account key' field contains 'KSDsppJkrFFP34PozYqcBEUF9NaN7+rBIOekYPG'. The 'Container name' dropdown menu is set to 'pg\_backup'. The 'Get containers' button is visible next to the container name field. The 'Timeout' field is set to 60. The 'Connect using proxy server' checkbox is checked. At the bottom, there are buttons for 'Help', 'Test connection', 'OK', and 'Cancel'.

Backup Storage Editor

General

Storage

Account name: tester

Account key: KSDsppJkrFFP34PozYqcBEUF9NaN7+rBIOekYPG

Container name: pg\_backup

Get containers

Timeout: 60

☒ Connect using proxy server

Help Test connection OK Cancel

### Timeout

Specify the timeout in seconds for inactivity of data channel.

☒ **Connect using proxy server**

Check this option to use proxy settings set at [Proxy server](#) options.

Click the **Test connection** button to check connection to the selected folder with the settings defined above.

## 4.2.6 Dropbox storage info

At this tab you can edit Dropbox connection settings.

### Path

EMS SQL Backup uploads files to the 'Apps/EMS SQL Backup' folder in Dropbox by default. If you need to store backup files in its subfolder, set the relative path in this field. If the specified folder doesn't exist, it will be created automatically on uploading the files. Use '/' as a path separator. For example, if you set 'backups/Adventure Works' in this field the files will be uploaded to 'Apps/EMS SQL Backup/backups/Adventure Works'.

### Authorization token

Input Dropbox authorization token manually or use **Acquire authorization token** button to get it automatically.

The screenshot shows the 'Backup Storage Editor' dialog box with the 'Storage' tab selected. The 'Path' field contains 'PG'. The 'Authorization token' field contains a long alphanumeric string. Below the token field is a button labeled 'Acquire authorization token'. At the bottom, there is a checkbox labeled 'Connect using proxy server' which is checked. The dialog box has 'Help', 'Test connection', 'OK', and 'Cancel' buttons at the bottom.

Backup Storage Editor

General Path PG

Storage

Authorization token

c8vPbI79YTUAAAAAABH-  
QproUzO3u1RD3Iz\_JHCv4NKQ\_HzhJUGU2yHhHLSFzZA

Acquire authorization token

☒ Connect using proxy server

Help Test connection OK Cancel

### ☒ Connect using proxy server

Check this option to use proxy settings set at [Proxy server](#) options.

Click the **Test connection** button to check connection to the selected folder with the

settings defined above.

## 4.2.7 Google drive storage info

At this tab you can edit Google Drive cloud connection settings.

### Path

EMS SQL Backup uploads files to the root folder in Google Drive by default. If you need to store backup files in subfolder, set the path in this field. If the specified folder doesn't exist, it will be created automatically on uploading the files. Use '/' as a path separator (for example, 'backups/Adventure Works').

### Authorization token

Input Google drive authorization token manually or use **Acquire authorization token** button to get it automatically.

The screenshot shows the 'Backup Storage Editor' dialog box with the 'Storage' tab selected. The 'Path' field contains 'PG'. The 'Authorization token' field contains a long alphanumeric string. Below the token field is a button labeled 'Acquire authorization token'. At the bottom, there is a checkbox labeled 'Connect using proxy server' which is checked. The dialog box has buttons for 'Help', 'Test connection', 'OK', and 'Cancel'.

Backup Storage Editor

General Path PG

Storage

Authorization token

1//0cULoBrP2avuACgYIARAAGAwSNwF-M1lr3amcCT2ksDb7Kqvr5LM4cV7IRcfi8zDK85ppvLN9fZsSAelOqOp1VkcFeJZK8VN\_Ig

Acquire authorization token

☒ Connect using proxy server

Help Test connection OK Cancel

### ☒ Connect using proxy server

Check this option to use proxy settings set at [Proxy server](#) options.

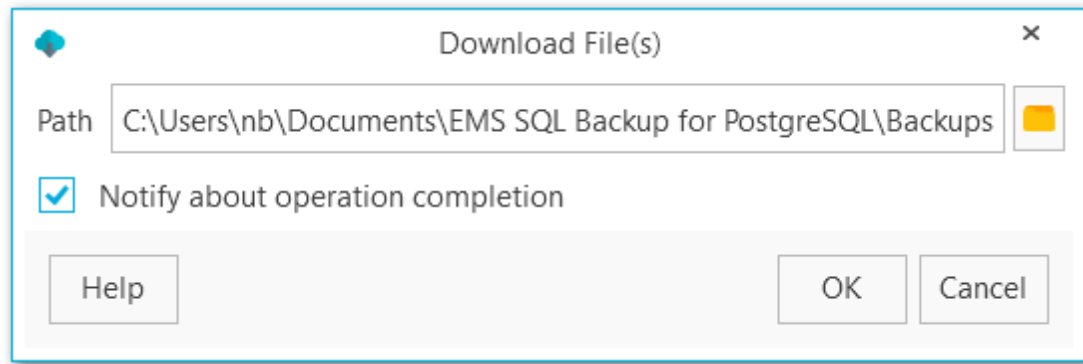
Click the **Test connection** button to check connection to the selected folder with the settings defined above.





## 4.3 Downloading files

In this dialog you can set options for downloading backup files. To download the file select the Backup storage on the Storages tab, select the required file from the list and select **Download file** from popup menu.



### **Path**

Select the location for downloading the file.




### **Notify about download completion**

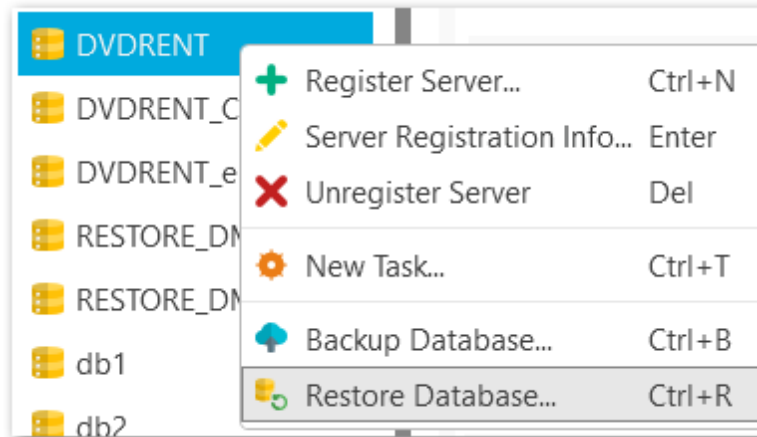
Check this option to get desktop notifications about file downloading.

**Part**

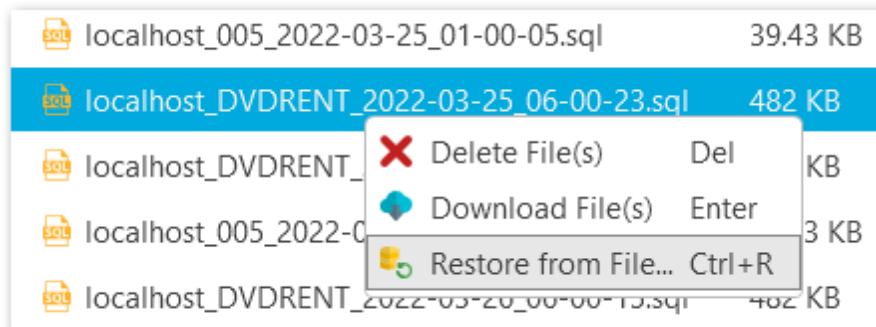
**V**

## 5 Database restore

To select a backup and easily restore a database, use the **Restore Database Wizard** at the  **Backup tasks** tab of the DB explorer popup menu.



and **Restore from file** item on the  **Backup storages** tab of the backup popup menu.



**NOTE:** These Wizards are available in Standard and PRO versions only.

### See also:

[Restore Database Wizard of selected database](#)

[Restore Database Wizard from backup](#)

## 5.1 Restore database wizard of selected database

The Wizard allows you to restore a database from a backup. To launch the Wizard, select the Restore database item of the database popup menu.

Steps:

[Selecting a backup](#)

[Setting options for binary backups](#)

[Setting options for plain-text backups](#)

[Performing operation](#)

[Restore process log](#)

### 5.1.1 Selecting a backup

At this step, you need to select the storage and the backup file which the database will be restored from.

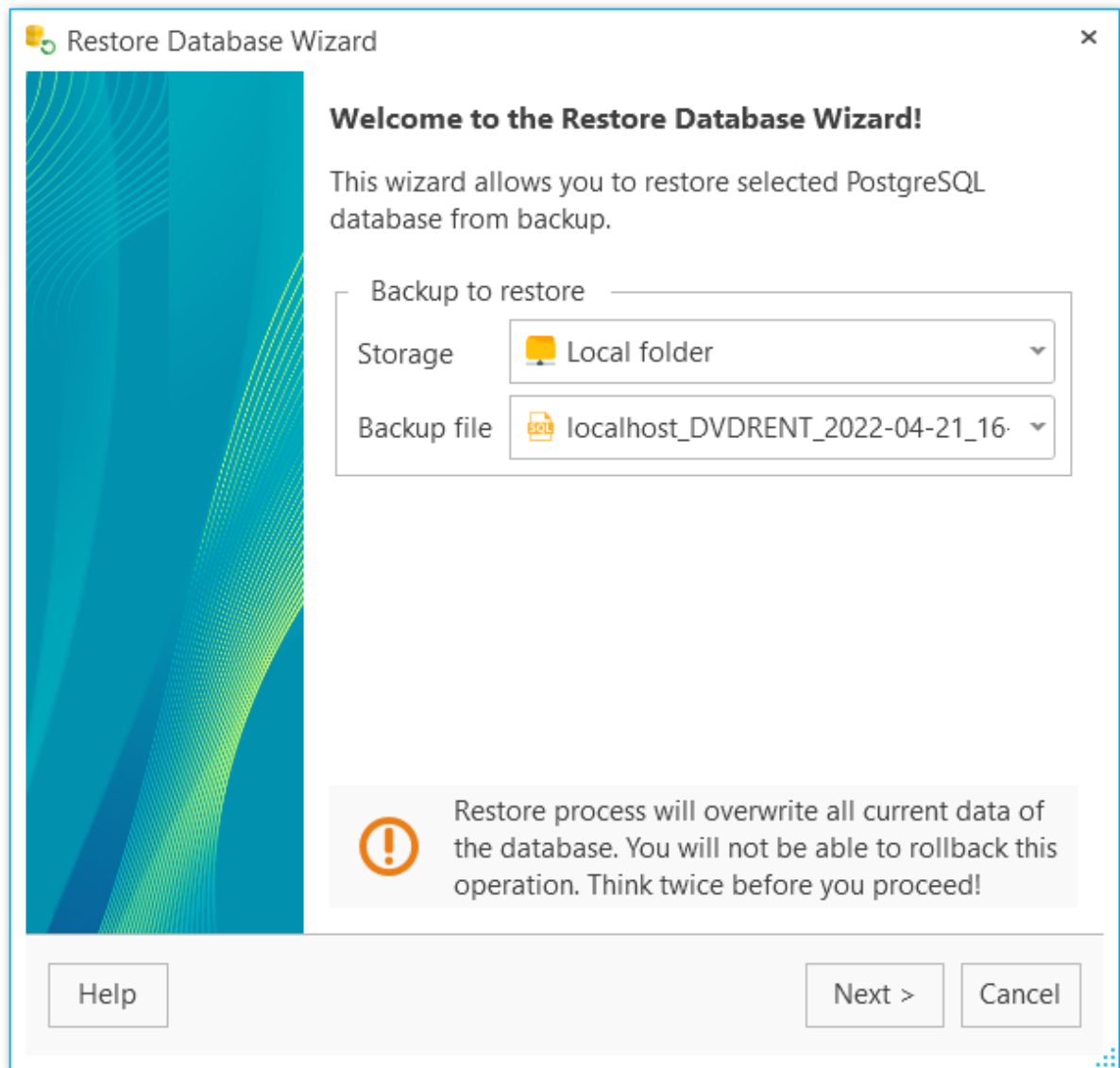
#### Backup to restore

##### Storage

Select the storage where the backup file is stored.

##### Backup file

Specify the backup file.



[Next step >>](#)

### 5.1.2 Setting restore procedure options

When restoring databases, you are able to specify the options related to binary or plain-text formats.

[Setting options for binary backups](#)

[Setting options for plain-text backups](#)

[<< Previous step](#)

[Next step >>](#)

#### 5.1.2.1 Binary backups

At this step, you should set the necessary options related to the database restore procedure from the binary backup.

**Creator role name**

Use this option to define the role that will be used to perform the restore.

**Number of jobs**

Indicates the number of threads executed in parallel.

**Use single transaction**

This option allows you to restore a database within a single transaction.

**Exit on error**

If this option is enabled, the program will stop the database restore process if an error occurs.

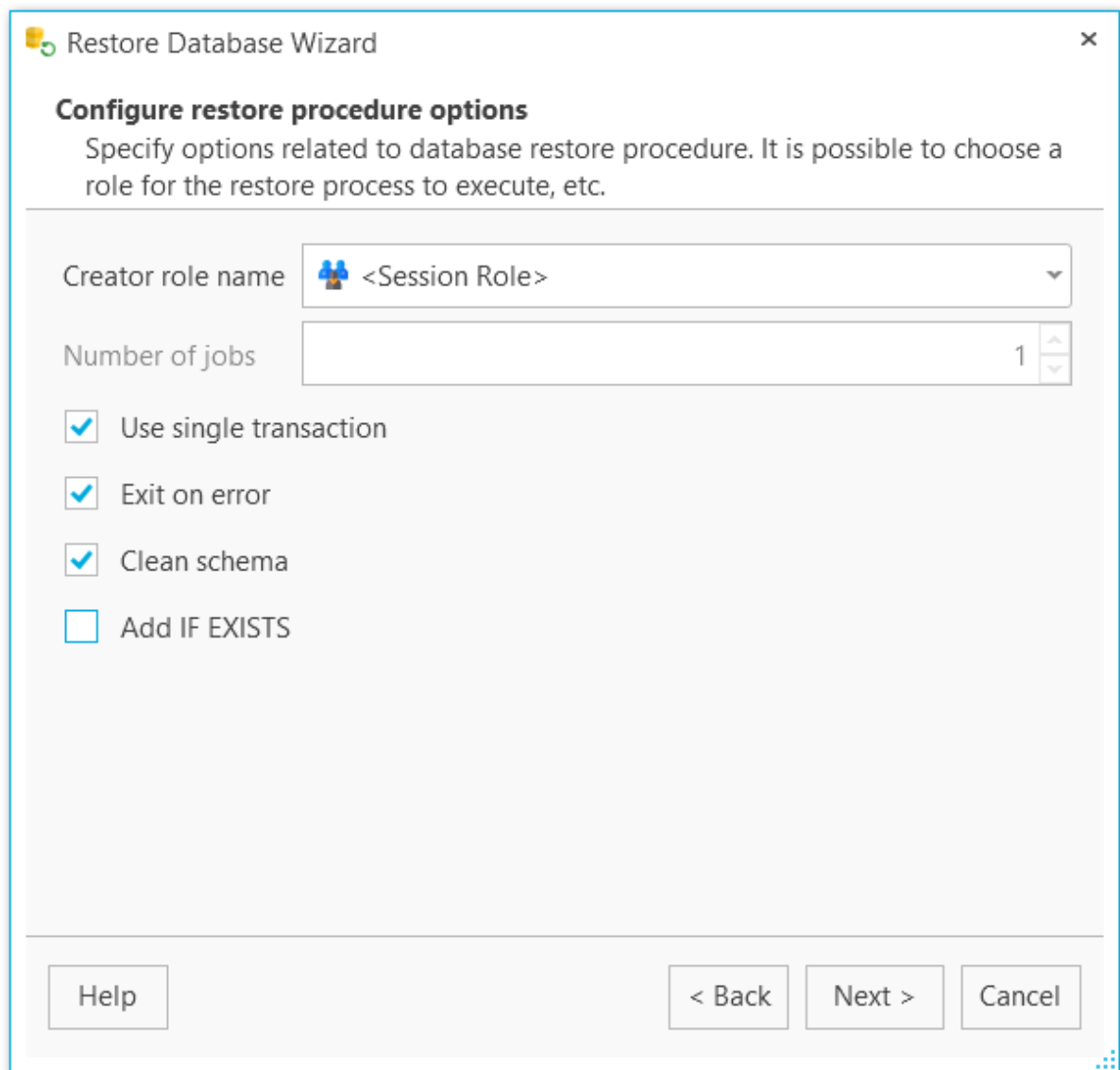
**Clean schema**

Drop schema objects before recreating.

**Add IF EXISTS**

Use conditional commands when dropping database objects.






The image shows a 'Restore Database Wizard' dialog box. It has a title bar with a green icon and a close button. The main area is titled 'Configure restore procedure options' and contains a descriptive text: 'Specify options related to database restore procedure. It is possible to choose a role for the restore process to execute, etc.' Below this, there are four configuration options: 'Creator role name' with a dropdown menu showing '<Session Role>', 'Number of jobs' with a numeric spinner set to '1', and two checked checkboxes: 'Use single transaction', 'Exit on error', and 'Clean schema'. There is also an unchecked checkbox for 'Add IF EXISTS'. At the bottom, there are three buttons: 'Help', '< Back', and 'Next >', and a 'Cancel' button on the right.

Restore Database Wizard

**Configure restore procedure options**  
Specify options related to database restore procedure. It is possible to choose a role for the restore process to execute, etc.

Creator role name  <Session Role>

Number of jobs

☒ Use single transaction

☒ Exit on error

☒ Clean schema

☐ Add IF EXISTS

Help < Back Next > Cancel

[<< Previous step](#)[Next step >>](#)

### 5.1.2.2 Plain-text backups

Setting options related to the database restore from the plain-text backup.

**Use single transaction**

This option allows you to restore a database within a single transaction.

**Exit on error**

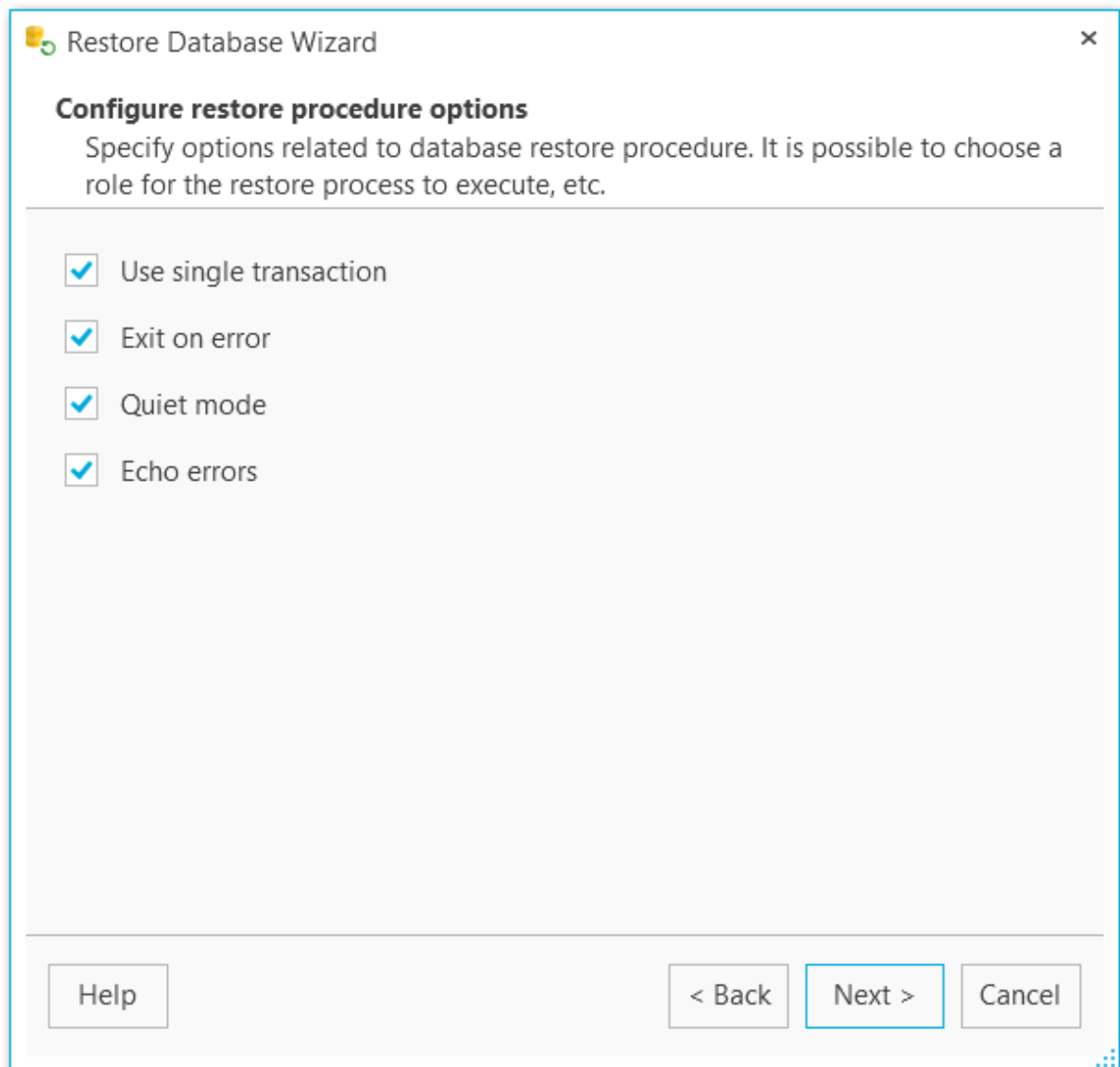
If this option is enabled, the program will stop the database restore process if an error occurs.

**Quiet mode**

This option specifies if the program will run without displaying additional messages.

**Echo errors**

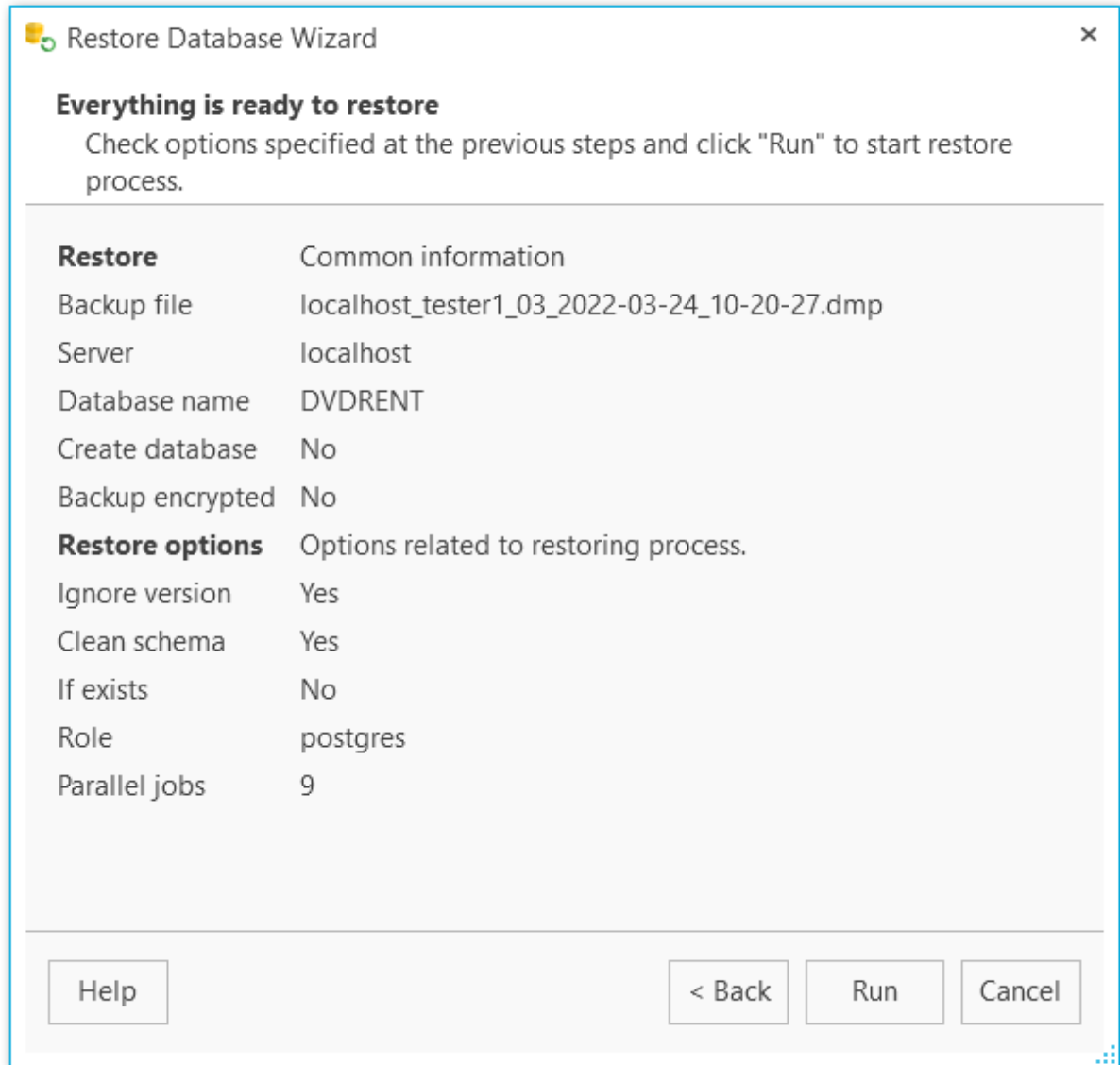
Print failed SQL commands to standard error output.



[<< Previous step](#)[Next step >>](#)

### 5.1.3 Performing operation

At this step of the wizard, you are able to check the defined options and start the restore process by clicking the **Run** button.

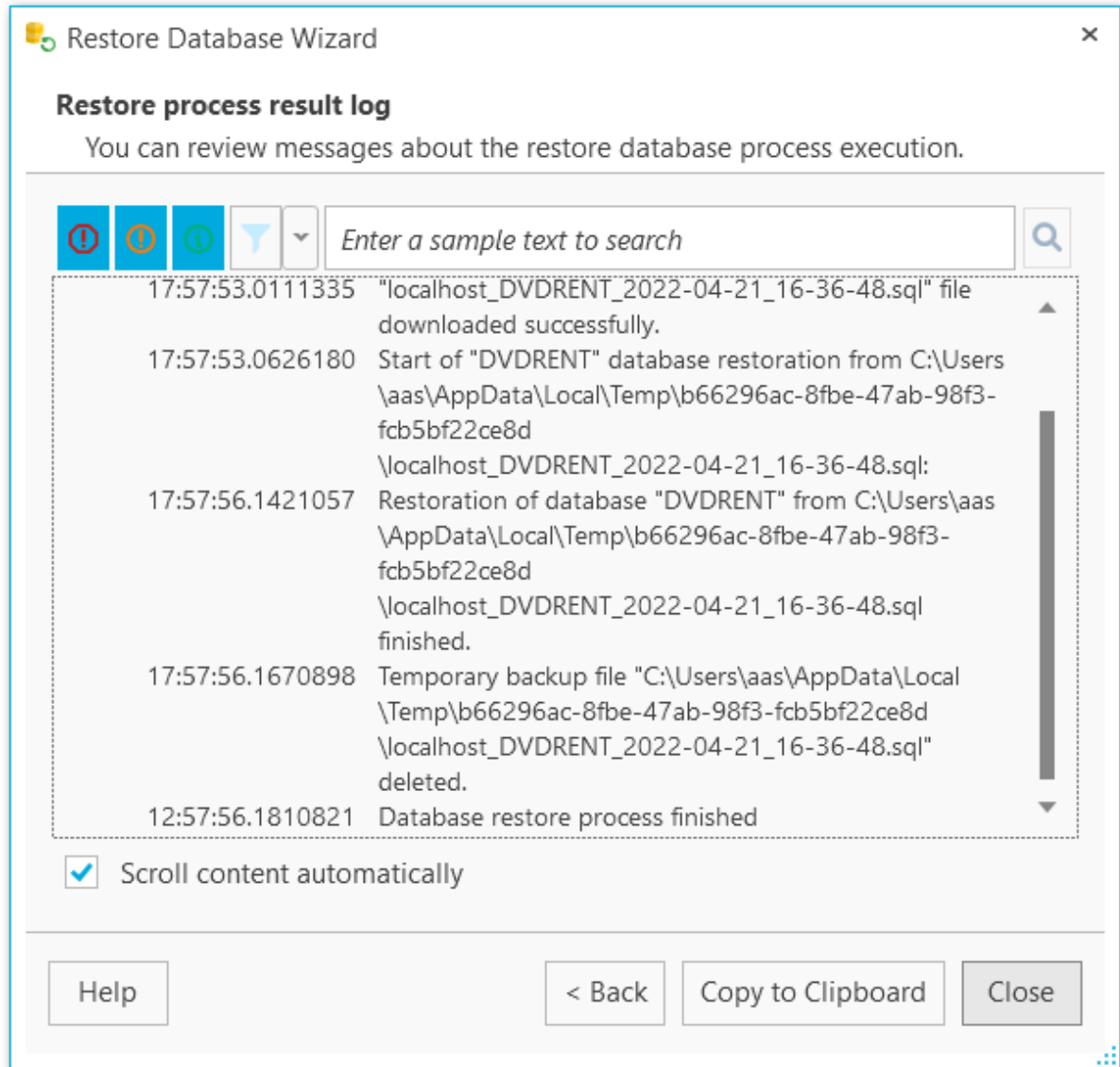


[<< Previous step](#)

[Next step >>](#)




### 5.1.4 Restore process log

This step allows you to view the database restore process execution. If needed, enable ☒ **Scroll content automatically** to follow the log output automatically.



You can apply date or text filter for operations list with the **Filter** button. The filter is applied when the button is pressed.

Set dates range with **From** and **Till** parameters or input the text in the **Sample** field to display records containing this text.

	<input type="text" value="OID"/>
From	<input type="text" value="Tuesday, March 1, 2022 1:24:02 PM"/> 
Till <input checked="" type="checkbox"/>	<input type="text" value="Sunday, March 13, 2022 2:24:02 PM"/> 
Sample	<input type="text" value="tester1"/>

Use the search path for **incremental search** in the log.

<input type="text" value="OID"/>	
----------------------------------	---

Use **Copy to Clipboard** button to copy all log content or selected records to the clipboard.

[<< Previous step](#)

## 5.2 Restore database wizard from backup

The Wizard allows you to restore a database from a backup. To launch the Wizard, select the **Restore from file** item of the backup popup menu.

Steps:

[Selecting a database](#)

[Setting options for binary backups](#)

[Setting options for plain-text backups](#)

[Performing operation](#)

[Restore process log](#)

### 5.2.1 Selecting a database

At this step, you need to select the database that will be restored from the backup.

#### Server

Select the server which database will be restored from.

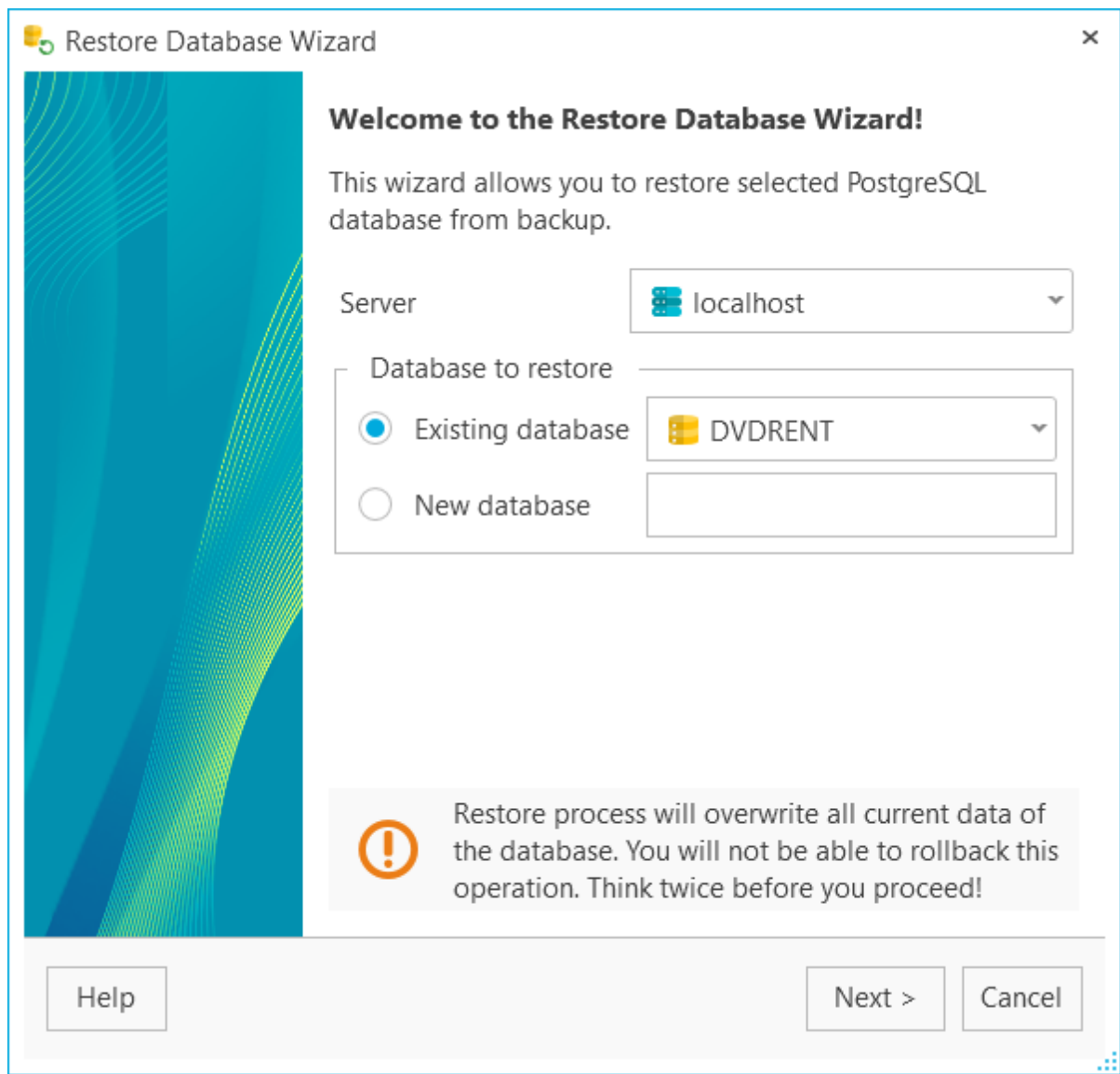
#### Database to restore

##### Existing database

Select the existing database to restore backup file to.

##### New database

Specify the name of the database in case backup is restored to a new database.



Restore Database Wizard

**Welcome to the Restore Database Wizard!**

This wizard allows you to restore selected PostgreSQL database from backup.

Server: localhost

Database to restore:

- ☒ Existing database: DVDRENT
- ☐ New database:

Restore process will overwrite all current data of the database. You will not be able to rollback this operation. Think twice before you proceed!

Help Next > Cancel

[Next step >>](#)





## 5.2.2 Setting restore procedure options

When restoring databases, you are able to specify the options related to binary or plain-text formats.

[Setting options for binary backups](#)

[Setting options for plain-text backups](#)

[<< Previous step](#)

[Next step >>](#)

#### 5.2.2.1 Binary backups

At this step, you should set the necessary options related to the database restore procedure from the binary backup.

**Creator role name**

Use this option to define the role that will be used to perform the restore.

**Number of jobs**

Indicates the number of threads executed in parallel.

**Use single transactions**

This option allows you to restore a database within a single transaction.

**Exit on error**

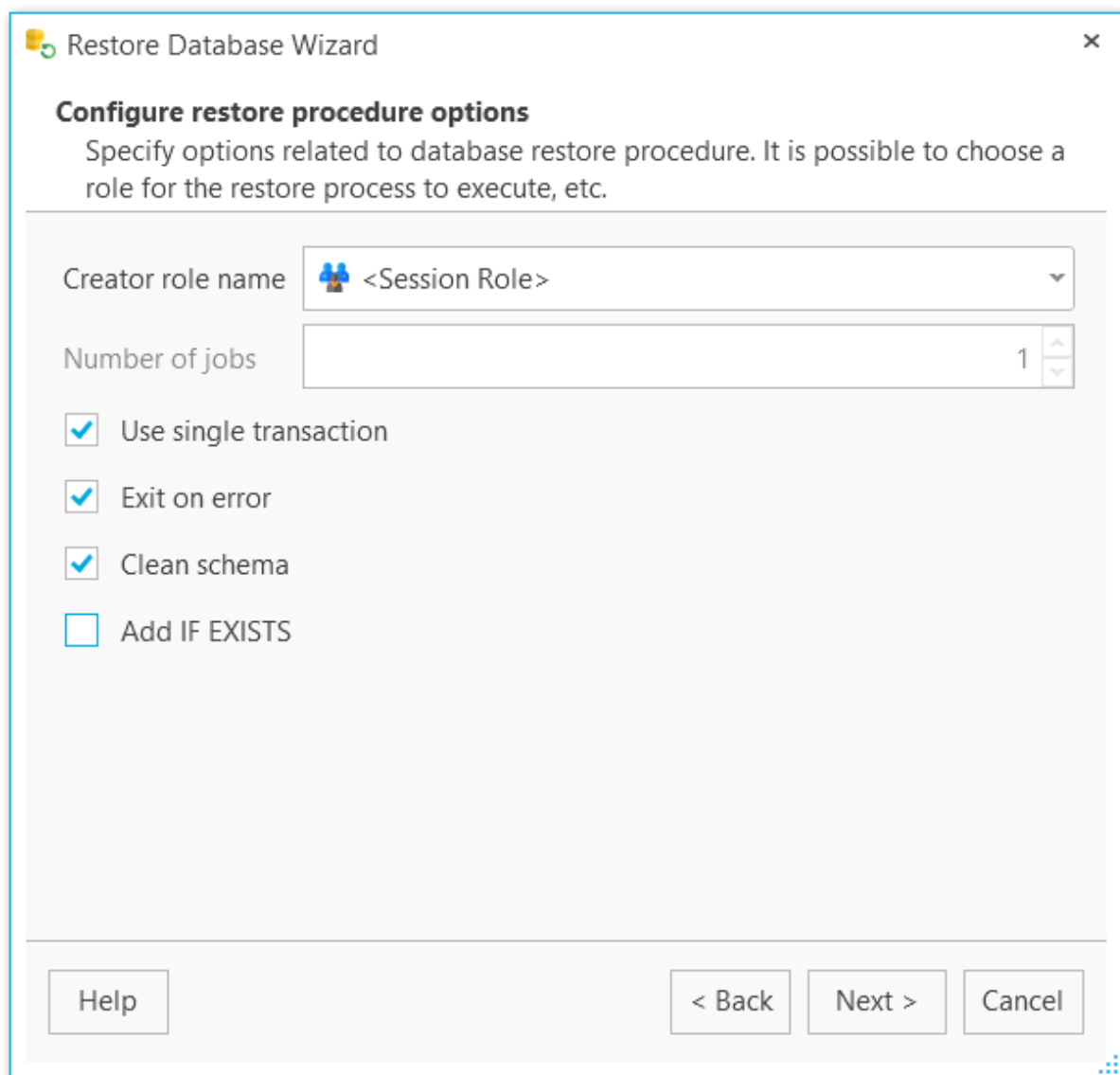
If this option is enabled, the program will stop the database restore process if an error occurs.

**Clean schema**

Drop schema objects before recreating.

**Add IF EXISTS**

Use conditional commands when dropping database objects.




The screenshot shows a window titled "Restore Database Wizard" with a close button (X) in the top right corner. Below the title bar, the text "Configure restore procedure options" is displayed in bold. A descriptive paragraph follows: "Specify options related to database restore procedure. It is possible to choose a role for the restore process to execute, etc." The main area contains four configuration options: "Creator role name" with a dropdown menu showing "<Session Role>" and a user icon; "Number of jobs" with a text input field containing "1" and up/down arrow buttons; and four checkboxes: "Use single transaction" (checked), "Exit on error" (checked), "Clean schema" (checked), and "Add IF EXISTS" (unchecked). At the bottom, there are three buttons: "Help", "< Back", and "Next >", and a "Cancel" button on the far right.

Restore Database Wizard

**Configure restore procedure options**

Specify options related to database restore procedure. It is possible to choose a role for the restore process to execute, etc.

Creator role name  <Session Role>

Number of jobs

☒ Use single transaction

☒ Exit on error

☒ Clean schema

☐ Add IF EXISTS

Help < Back Next > Cancel

[<< Previous step](#)[Next step >>](#)

### 5.2.2.2 Plain-text backups

Setting options related to the database restore from the plain-text backup.

**Use single transactions**

This option allows you to restore a database within a single transaction.

**Exit on error**

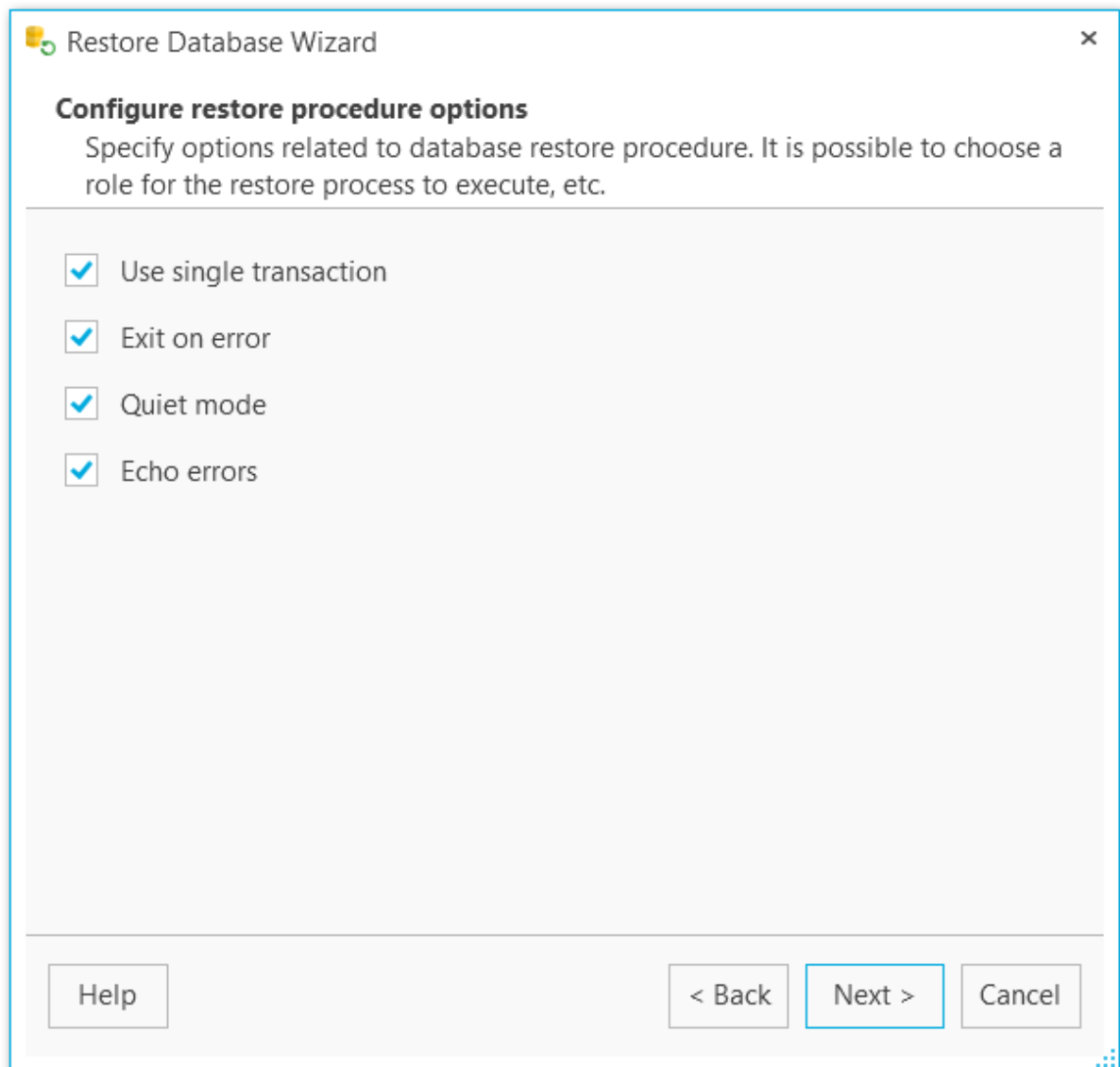
If this option is enabled, the program will stop the database restore process if an error occurs.

**Quiet mode**

This option specifies if the program will run without displaying additional messages.

**Echo errors**

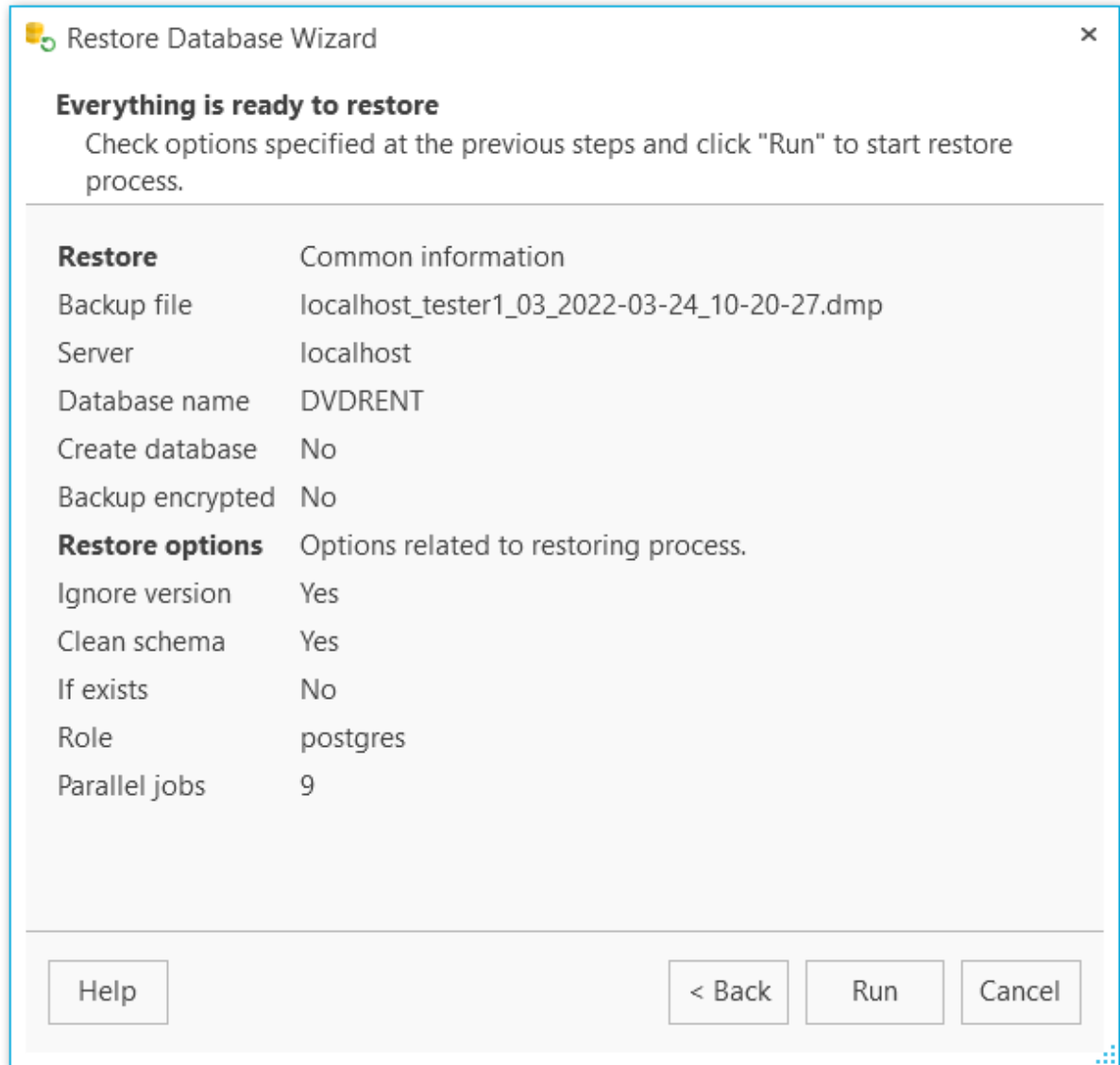
Print failed SQL commands to standard error output.



[<< Previous step](#)[Next step >>](#)

### 5.2.3 Performing operation

At this step of the wizard, you are able to check the defined options and start the restore process by clicking the **Run** button.

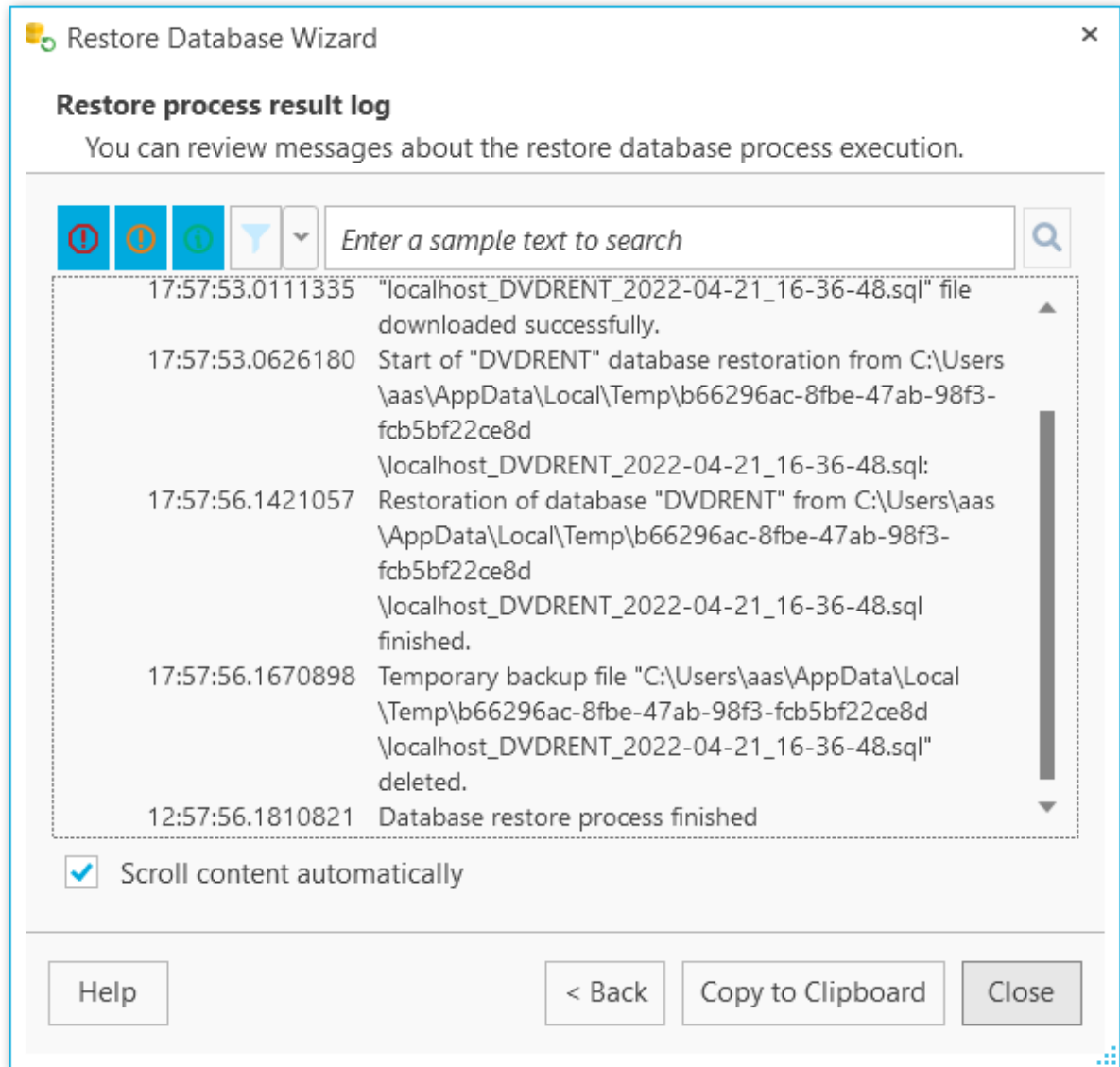


[<< Previous step](#)

[Next step >>](#)

### 5.2.4 Restore process log


This step allows you to view the database restore process execution. If needed, enable ☒ **Scroll content automatically** to follow the log output automatically.





You can apply date or text filter for operations list with the **Filter** button. The filter is applied when the button is pressed.

Set dates range with **From** and **Till** parameters or input the text in the **Sample** field to display records containing this text.







From

Tuesday, March 1, 2022 1:24:02 PM  

Till ☒

Sunday, March 13, 2022 2:24:02 PM  

Sample

tester1

Use the search path for **incremental search** in the log.



Use **Copy to Clipboard** button to copy all log content or selected records to the clipboard.

[<< Previous step](#)

**Part**

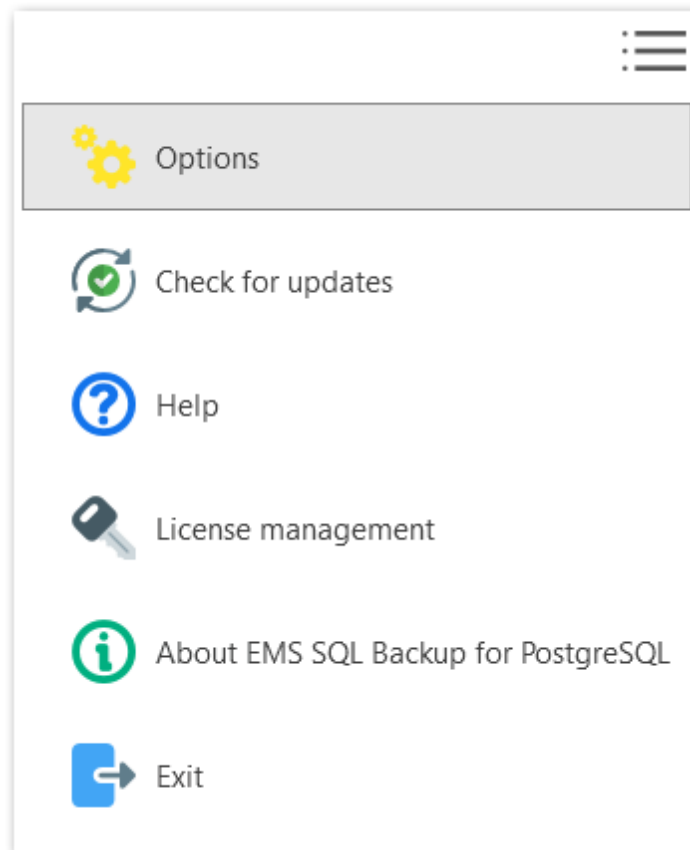
---

**VI**

## 6 Options

This chapter contains information concerning personalization of the application: language, color schema, proxy and email server settings.

Use the ☰ collapsed menu icon in the right upper corner and select ⚙️ **Options** item.



---


### See also:

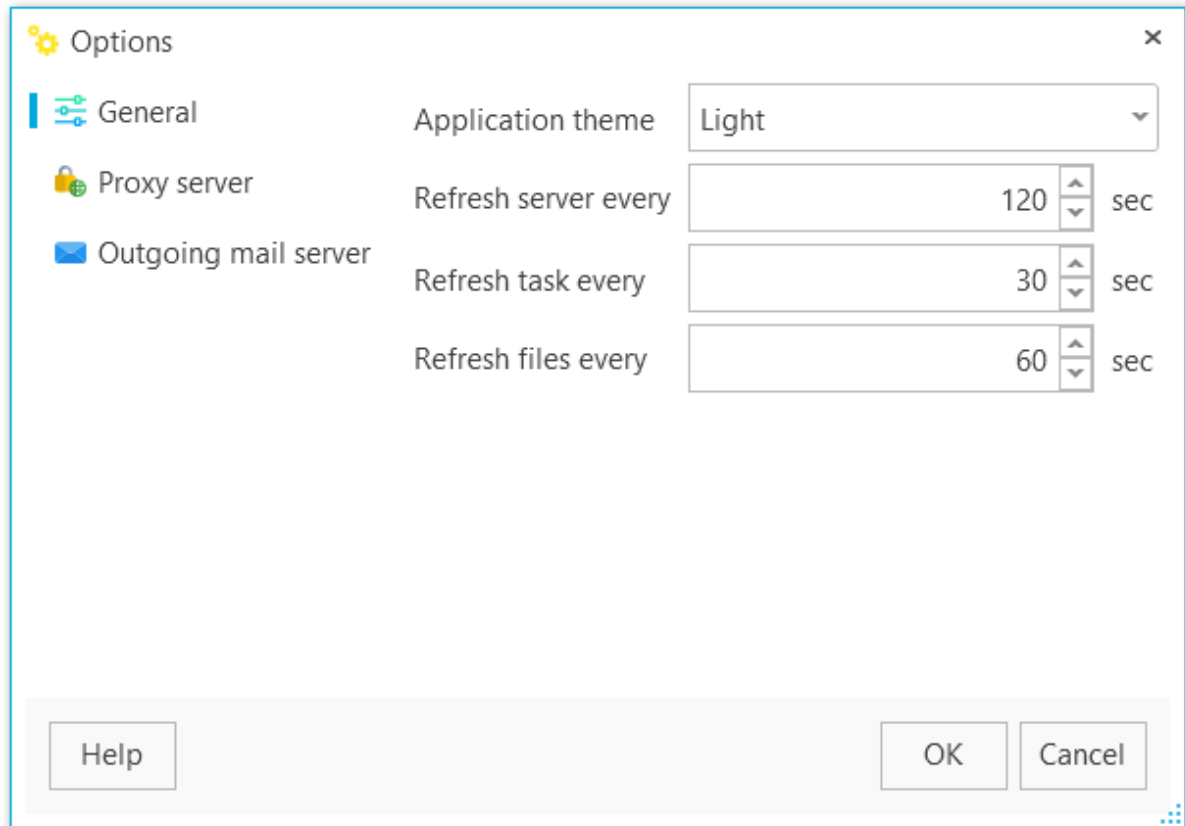
[General](#)

[Proxy server](#)

[Outgoing mail server](#)

## 6.1 General

The  **General** options tab allows you to select the language, color schema and options for server refresh.



### Language

Select the supported language from the drop-down menu to be applied to the program.

### Application theme

Select the color theme for the program: *Light* or *Dark*.

### Refresh servers every

Set the interval in seconds for server refresh.

### Refresh tasks every

Set the interval in seconds to refresh tasks.

### Refresh files every

Set the interval in seconds to refresh files in storages.


---

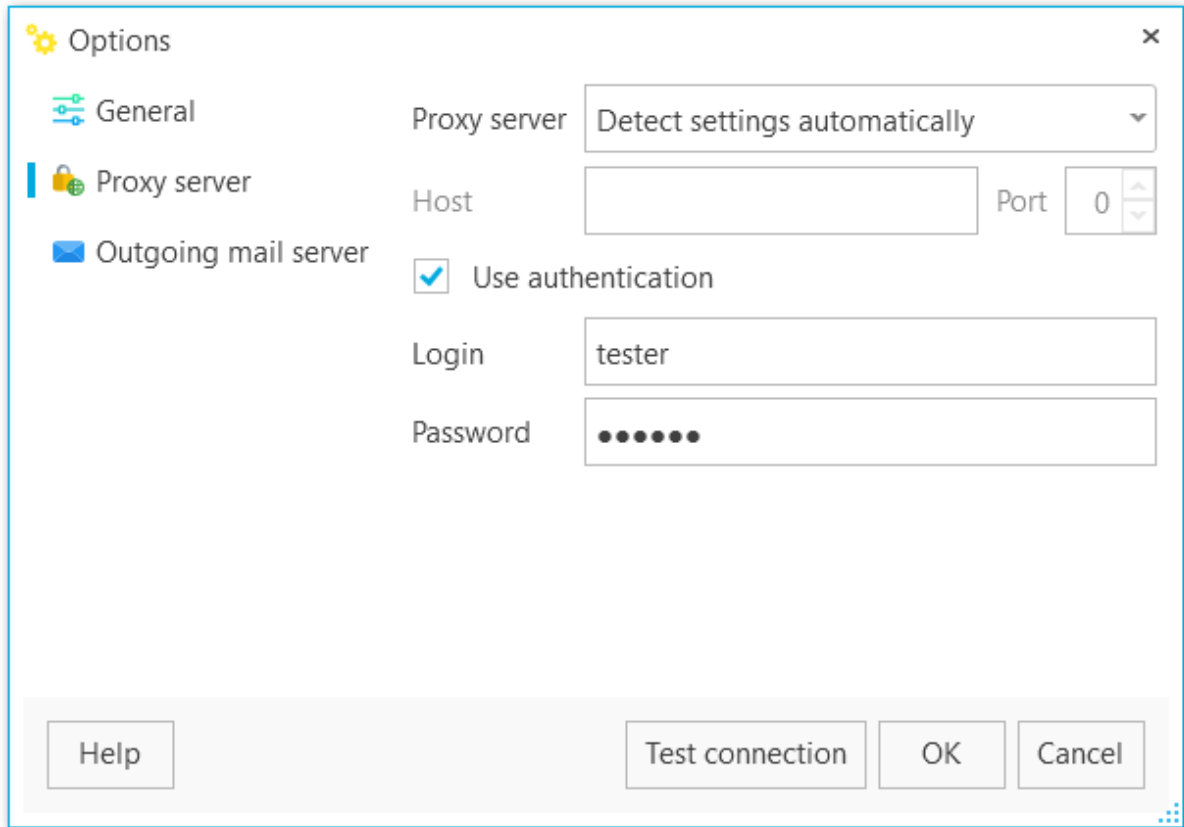
### See also:

[Proxy server](#)

[Outgoing mail server](#)

## 6.2 Proxy server

Use the  **Proxy server** tab to define connection settings. These parameters will be used for connecting to the server, checking updates, accessing [backup targets](#) and licensing management.



The screenshot shows the 'Options' dialog box with the 'Proxy server' tab selected. The 'Proxy server' dropdown menu is set to 'Detect settings automatically'. The 'Host' field is empty, and the 'Port' is set to 0. The 'Use authentication' checkbox is checked. The 'Login' field contains the text 'tester', and the 'Password' field is masked with dots. At the bottom of the dialog, there are four buttons: 'Help', 'Test connection', 'OK', and 'Cancel'.

### Proxy server

Choose one of three options:

*Detect settings automatically*

*I have a direct connection to the Internet*

*Manual configuration*

If you have chosen to configure proxy manually then use this group of options to set the following proxy server parameters: *host*, *port*, *login* and *user password* (if the ☒ **Use authentication** option is checked).

Click the **Test connection** button to check connection to the proxy server with the settings defined above.

---

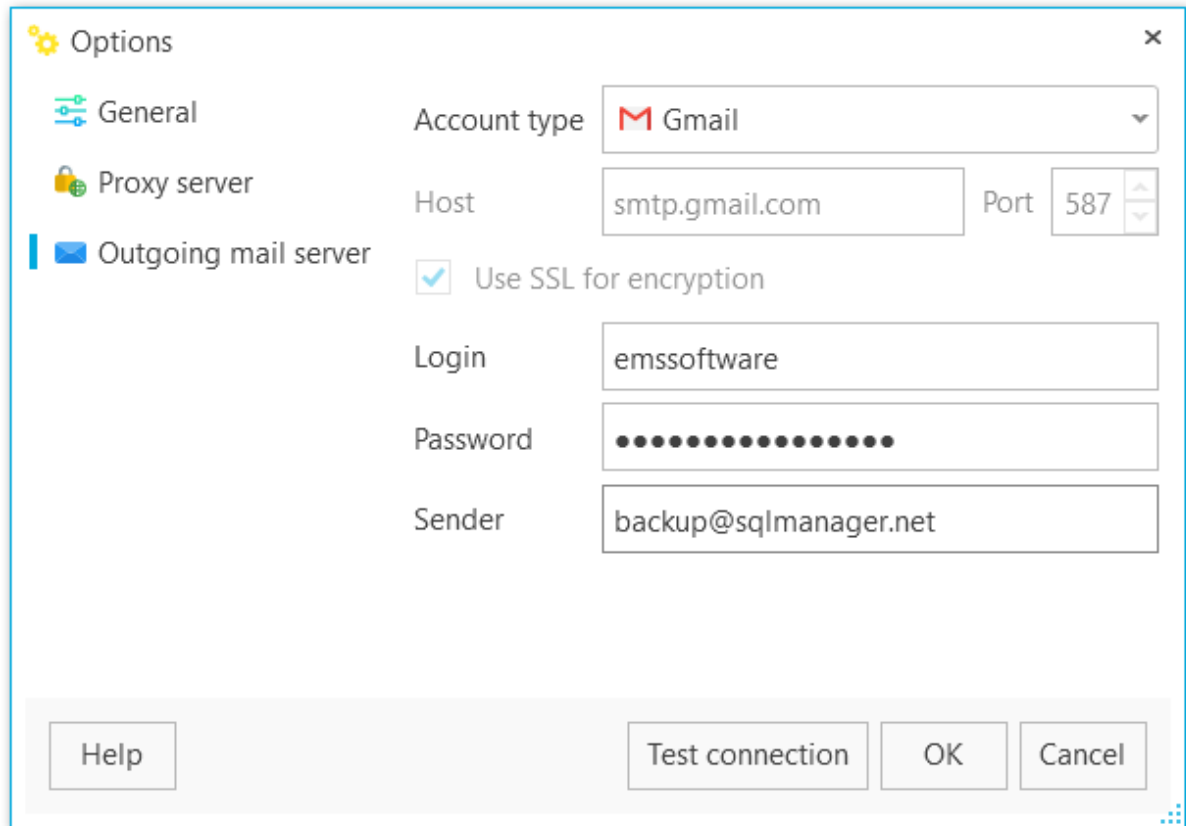
### See also:

[General settings](#)

[Outgoing mail server](#)

## 6.3 Outgoing mail server

Set options for mail server to send task [notifications](#).



The screenshot shows a window titled "Options" with a close button (X) in the top right corner. On the left, there are three tabs: "General" (with a gear icon), "Proxy server" (with a lock icon), and "Outgoing mail server" (with an envelope icon and a blue bar). The "Outgoing mail server" tab is selected. The settings for this tab are as follows:

- Account type:** A dropdown menu showing "Gmail" with a red "M" icon.
- Host:** A text box containing "smtp.gmail.com".
- Port:** A spinner box set to "587".
- Use SSL for encryption:** A checked checkbox.
- Login:** A text box containing "emssoftware".
- Password:** A text box filled with 12 dots.
- Sender:** A text box containing "backup@sqlmanager.net".

At the bottom of the dialog, there are four buttons: "Help", "Test connection", "OK", and "Cancel".

### Account type

Select the account type from the list or use *Custom* item to set your own settings.

### Host

Modify host details, if needed.

### Port

Set the port for outgoing mail.

### ☒ Use SSL for encryption

Check this option to use SSL encryption for connection.

### Login

Input email user name.

### Password

Input the password for the account.

### Sender

Specify the email to send notifications from.

Click the **Test connection** button to check connection to the outgoing mail server with the settings defined above.

---

**See also:**

[General](#)

[Proxy server](#)

**Part**

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**VII**

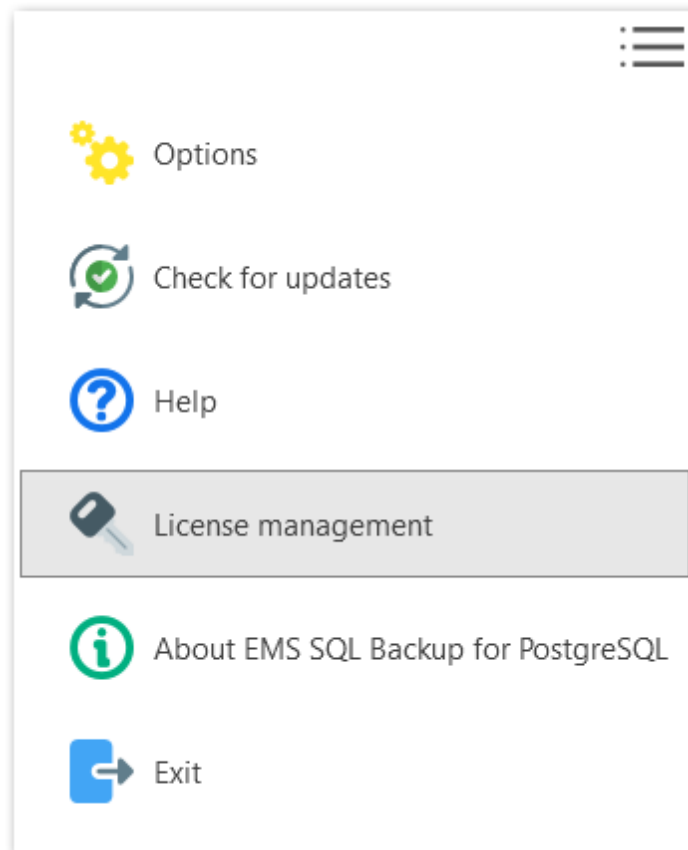


## 7 License management

With License Management wizard you can

- Activate Free, Regular or Pro version of the software
- Prolong the Maintenance
- Deactivate current license

Open the wizard with the ☰ collapsed menu icon in the right upper corner and select **License management** item. Follow the steps of the wizard to complete the required action.



---

### See also:

[Purchasing](#)

[How to register SQL Backup for PostgreSQL](#)

## 7.1 License activation for the first time

To get access to all features and apply the license you need to activate EMS SQL Backup for PostgreSQL.

It is assumed that you have already purchased a product license and that you have the license information available. If you cannot find license information, please visit your Member Account at <https://secure.sqlmanager.net/member/subscribe>.

The activation operation is performed by means of the **License Management wizard**.

### Steps:

[Selecting license activation method](#)

[Entering license key](#)

[Web-site activation](#)

[Entering license activation code](#)

[Completing operation](#)

---

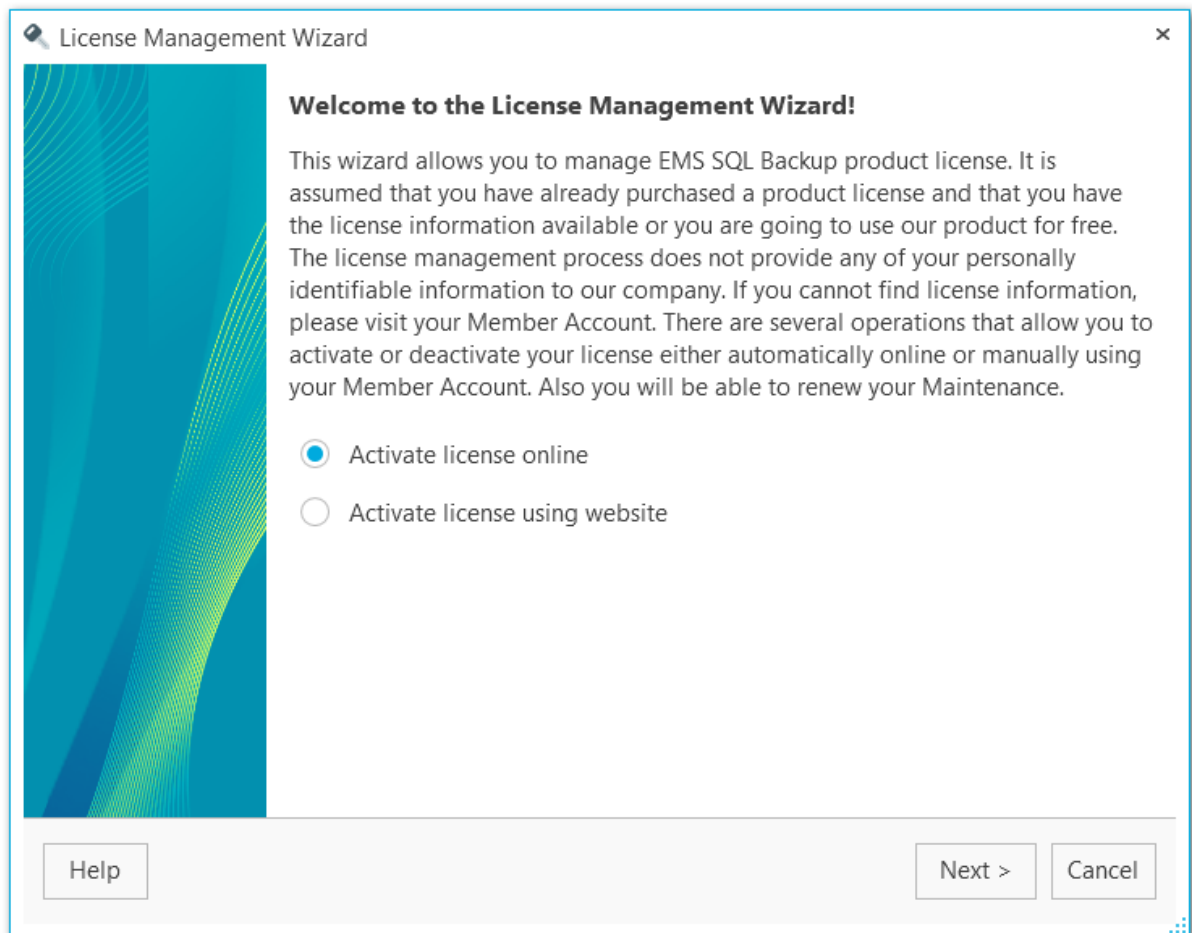
### See also:

[Purchasing](#)

[License deactivation](#)

### 7.1.1 Selecting license activation method

Use this step to select license activation method.



☒ **Activate license online**

Use this option if you have Internet connection to activate the licence from the program within a few seconds.

☐ **Activate license using website**

You can activate the licence manually from the Member Account at our website.

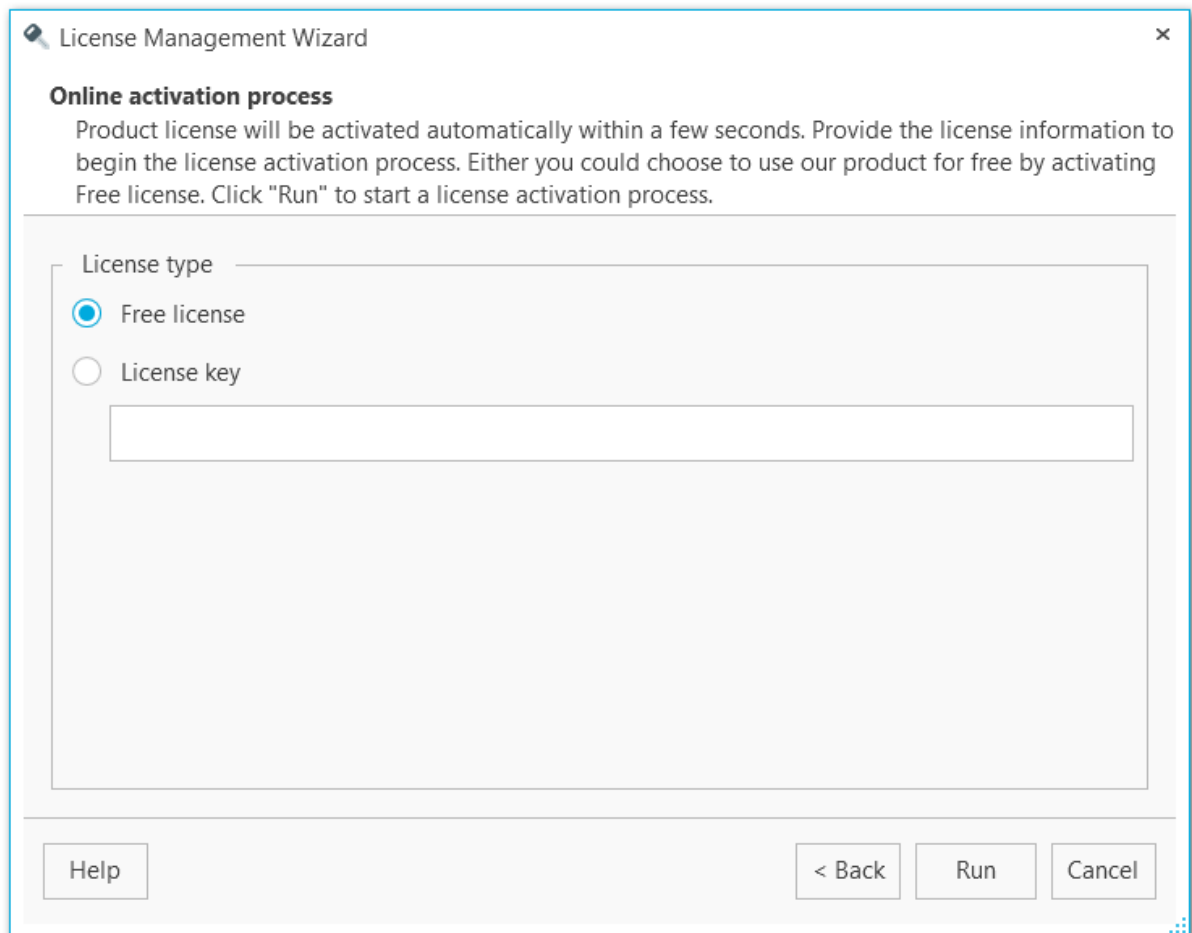
**Note:** The **Free** license can be activated using the online activation only.

[Next step](#) in case of **online activation**.

[Next step](#) in case of **website activation**.

### 7.1.2 Entering license key

This step appears if you have chosen online activation on the [first step](#).



The image shows a 'License Management Wizard' window. It has a title bar with a close button. The main content area is titled 'Online activation process' and contains the text: 'Product license will be activated automatically within a few seconds. Provide the license information to begin the license activation process. Either you could choose to use our product for free by activating Free license. Click "Run" to start a license activation process.' Below this text is a section titled 'License type' with two radio buttons: 'Free license' (which is selected) and 'License key'. Under the 'License key' option is an empty text input field. At the bottom of the window are three buttons: 'Help', '< Back', and 'Run', followed by a 'Cancel' button.

☒ **Free license**

Select this option to activate the *EMS SQL Backup FREE license*.

☐ **License key**

Enter manually or paste your license key here.

The license key can be copied from your Members Area at <https://secure.sqlmanager.net/login> or from the e-mail received after license purchasing.

You can view the list of all functional differences between EMS SQL Backup versions in the [Feature Matrix](#).

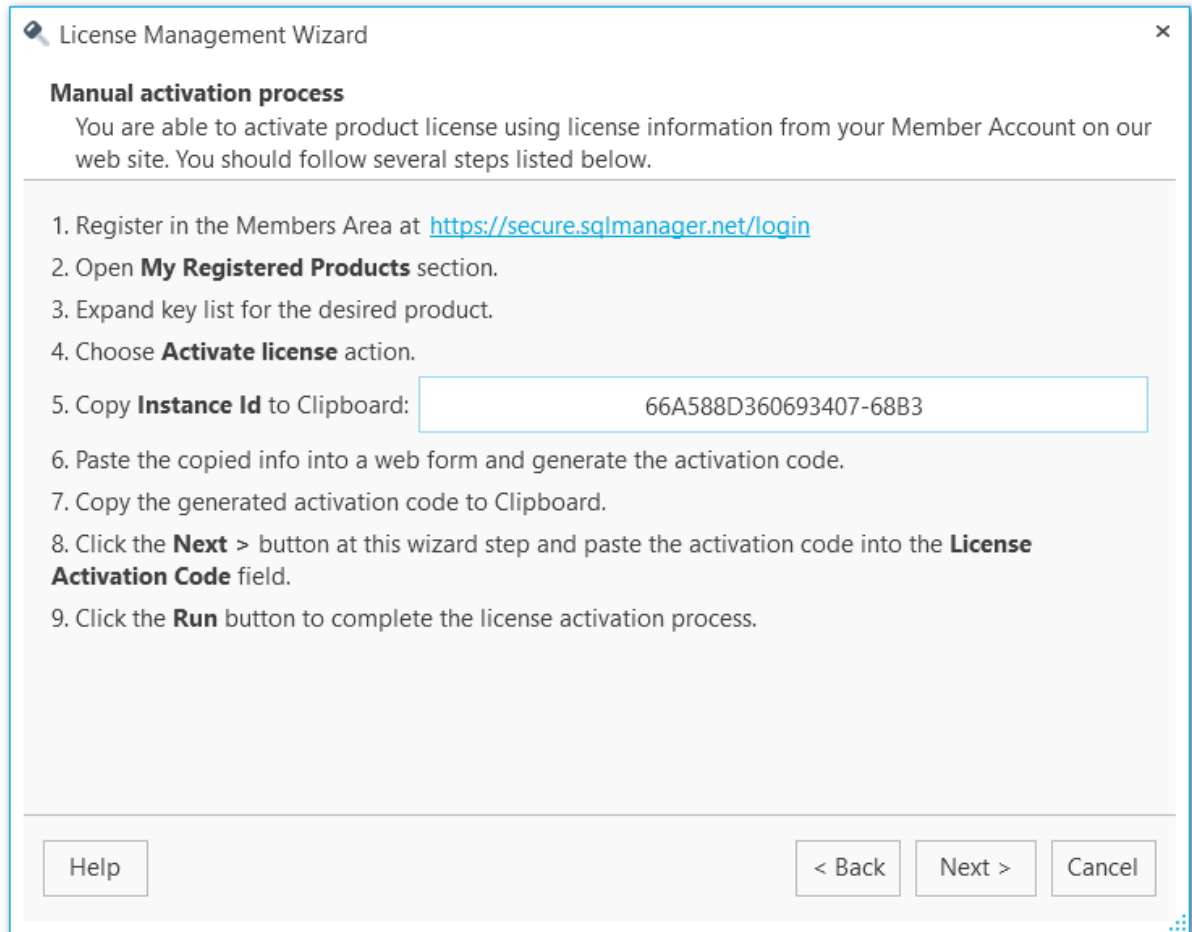
Click **Run** to complete activation.

[<< Previous step](#)

[Next step >>](#)

### 7.1.3 Web-site activation

This step appears only in case the ☒ **Activate license online** was selected on the [first step](#).



The screenshot shows a window titled "License Management Wizard" with a close button (X) in the top right corner. The main heading is "Manual activation process". Below it, a paragraph states: "You are able to activate product license using license information from your Member Account on our web site. You should follow several steps listed below." A list of nine steps follows: 1. Register in the Members Area at <https://secure.sqlmanager.net/login>; 2. Open **My Registered Products** section; 3. Expand key list for the desired product; 4. Choose **Activate license** action; 5. Copy **Instance Id** to Clipboard: [66A588D360693407-68B3]; 6. Paste the copied info into a web form and generate the activation code; 7. Copy the generated activation code to Clipboard; 8. Click the **Next >** button at this wizard step and paste the activation code into the **License Activation Code** field; 9. Click the **Run** button to complete the license activation process. At the bottom, there are three buttons: "Help", "< Back", and "Next >" (disabled), and a "Cancel" button.

To perform license activation via website follow these steps:

1. Register in the Members Area at <https://secure.sqlmanager.net/login>.
2. Open **My Registered Products** section.
3. Expand key list for the product.
4. Choose **Activate License** action.
5. Enter automatically generated **Instance ID** from the wizard step into a web form and generate the activation code.
6. Copy the generated activation code to Clipboard.
7. Click the **Next** button at this Wizard step and paste the activation code into the License Activation Code field at the [next step](#).
8. Click the **Run** button to complete EMS SQL Backup for PostgreSQL license process.

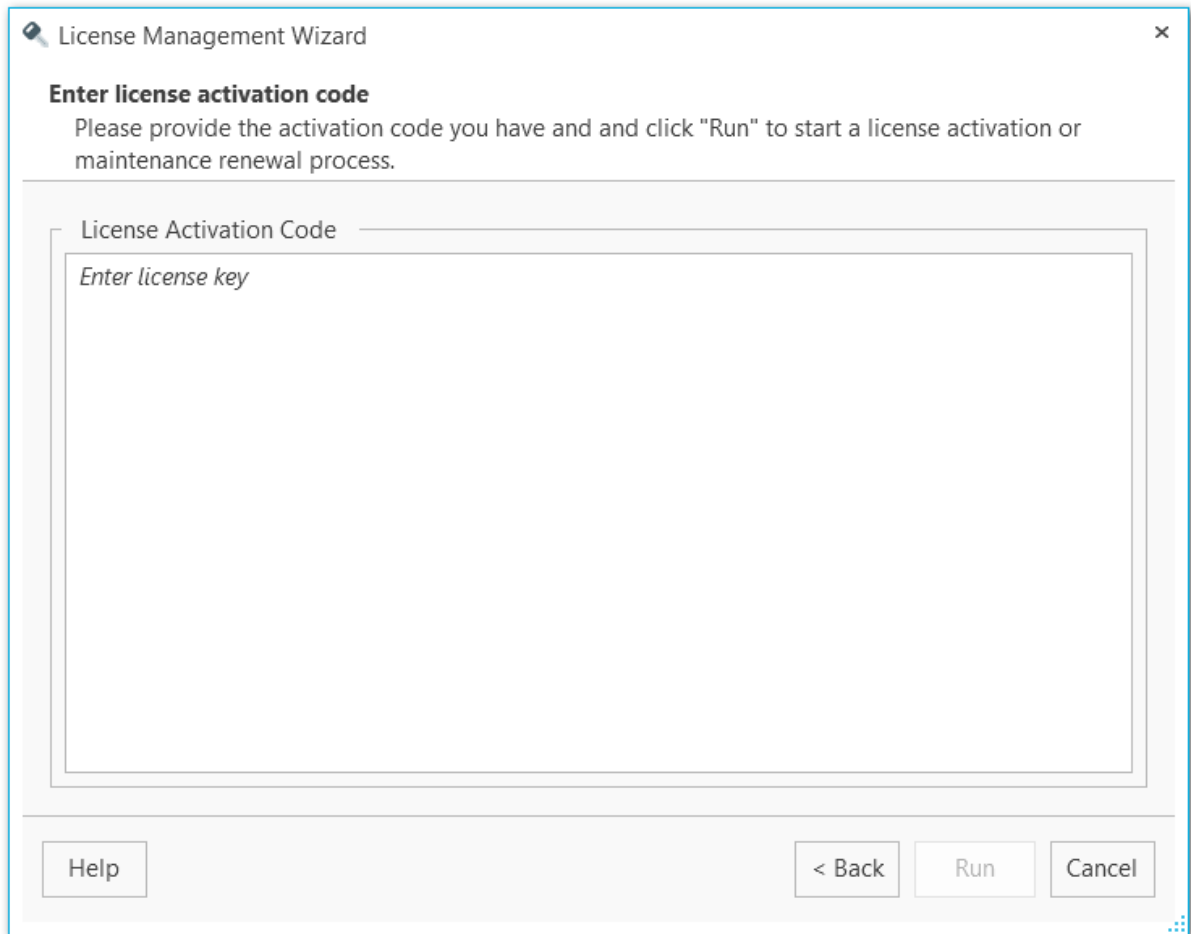
[<< Previous step](#)

[Next step >>](#)

### 7.1.4 Entering license activation code

Here you are to enter the license activation code.

You can get the activation code from the confirmation email or from the Member Account at our website.



The screenshot shows a Windows-style dialog box titled "License Management Wizard" with a close button (X) in the top right corner. The main content area has a heading "Enter license activation code" followed by the instruction "Please provide the activation code you have and and click 'Run' to start a license activation or maintenance renewal process." Below this is a large text input field with the placeholder text "Enter license key". At the bottom of the dialog, there are three buttons: "Help" on the left, and "< Back", "Run", and "Cancel" on the right. The "Run" button is highlighted with a blue border.

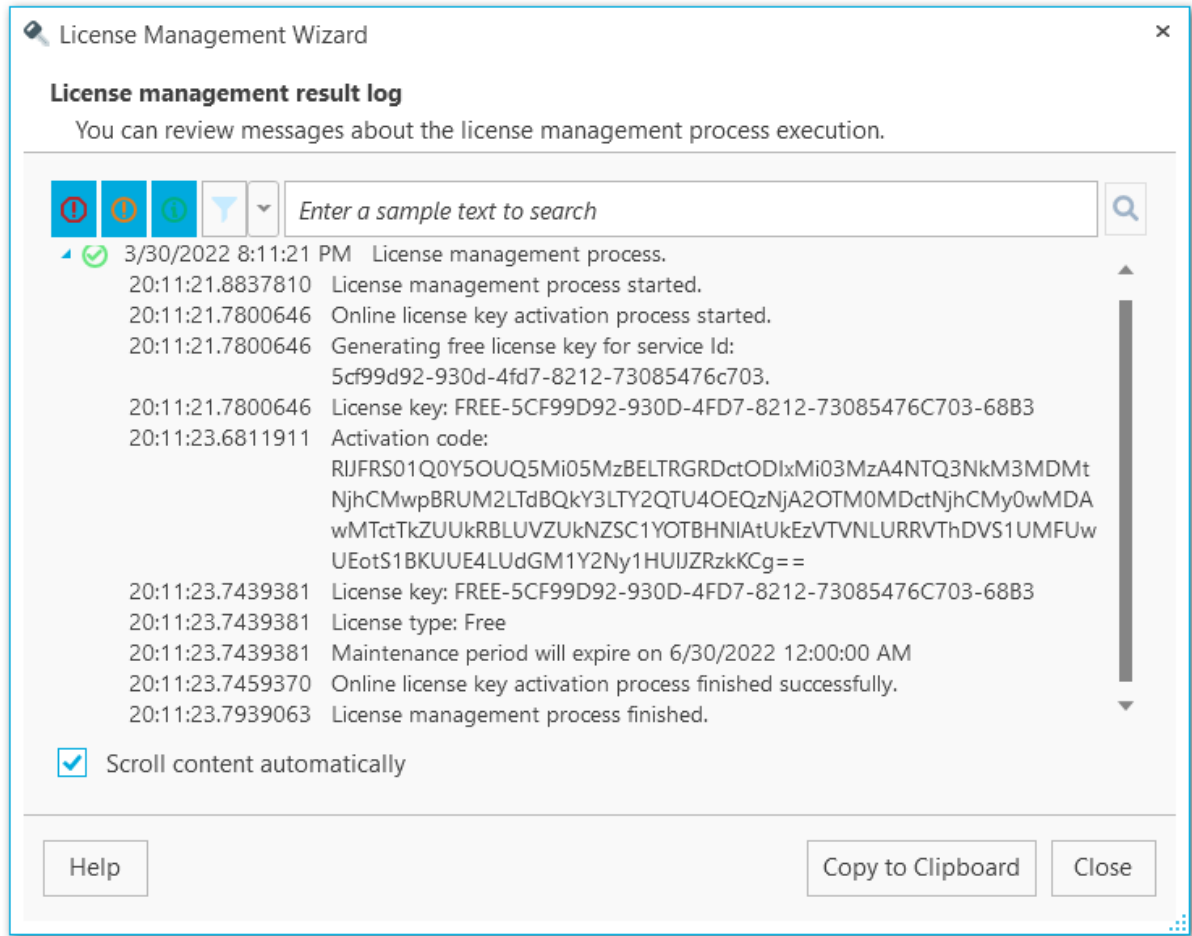
Click **Run** to complete activation.

[<< Previous step](#)

[Next step >>](#)

### 7.1.5 Performing operation

At this step log messages about the current operation and activation status are displayed.



You can apply date or text filter for operations list with the **Filter** button. The filter is applied when the button is pressed.

Set dates range with **From** and **Till** parameters or input the text in the **Sample** field to display records containing this text.

The screenshot shows a filter dialog box. At the top is a blue filter button with a white 'X' and a dropdown arrow. To its right is a text field containing 'OID'. Below this is a section with three rows: 'From' with a date and time 'Tuesday, March 1, 2022 1:24:02 PM' and a dropdown arrow; 'Till' with a checked checkbox, a date and time 'Sunday, March 13, 2022 2:24:02 PM', and a dropdown arrow; and 'Sample' with a text field containing 'tester1'.

Use the search path for **incremental search** in the log.



Click the **Close** button to exit the wizard or **Copy to Clipboard** to copy log information.



## 7.2 Managing current activation

If you have already activated the product you have the following options License management wizard:

- You can activate another license
- You can prolong maintenance
- You can deactivate the license, if you have decided to move a license from one PC to another.

The activation operation is performed by means of the **License Management wizard**.

### Steps

[Selecting required operation](#)

[Website deactivation](#)

[Performing online deactivation](#)

[Performing deactivation with website](#)

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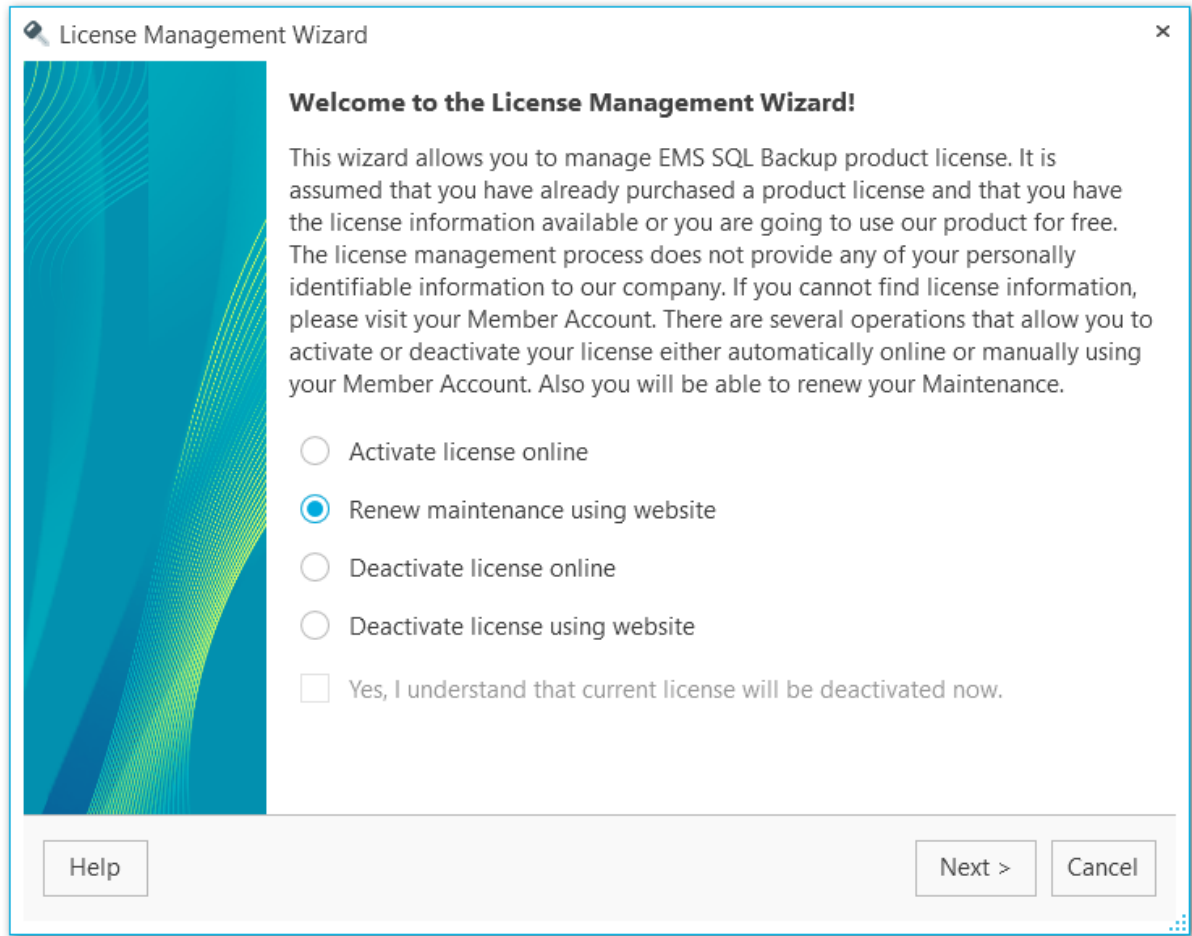
### See also:

[Purchasing](#)

[How to register SQL Backup for PostgreSQL](#)

### 7.2.1 Selecting required operation

Use this step to activate new license, prolong the [maintenance](#) or deactivate the current license.



☒ **Activate license online**

Use this option if you have Internet connection to activate the licence from the program within a few seconds.

☒ **Renew maintenance using website**

After you have prolonged the Maintenance period on the website, you need to activate the updated activation key. Use this item to enter the new activation key.

☒ **Deactivate license online**

Use this option if you have Internet connection. Product license will be deactivated automatically within a few seconds.

☒ **Deactivate license using website**

This option allows you to deactivate product license using license information from your Member Account on our web-site.

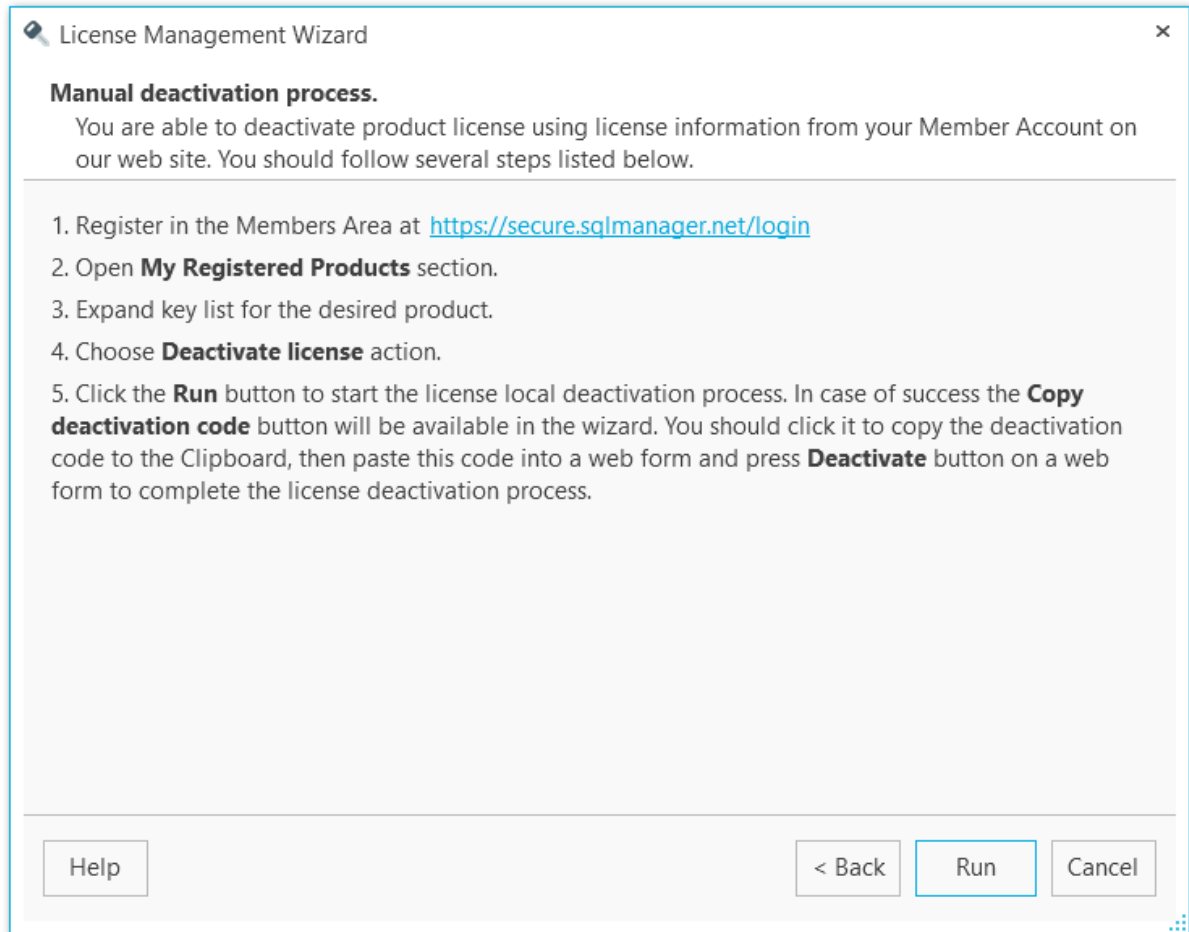
To proceed to the next step of the wizard check the ☒ **Yes, I understand that License Key will be deactivated now.**

[Next step](#) in case of **online deactivation**.

[Next step](#) in case of **website deactivation**.

## 7.2.2 Website deactivation

This step appears only in case the  **Deactivate license using website** option was selected on the [first step](#).

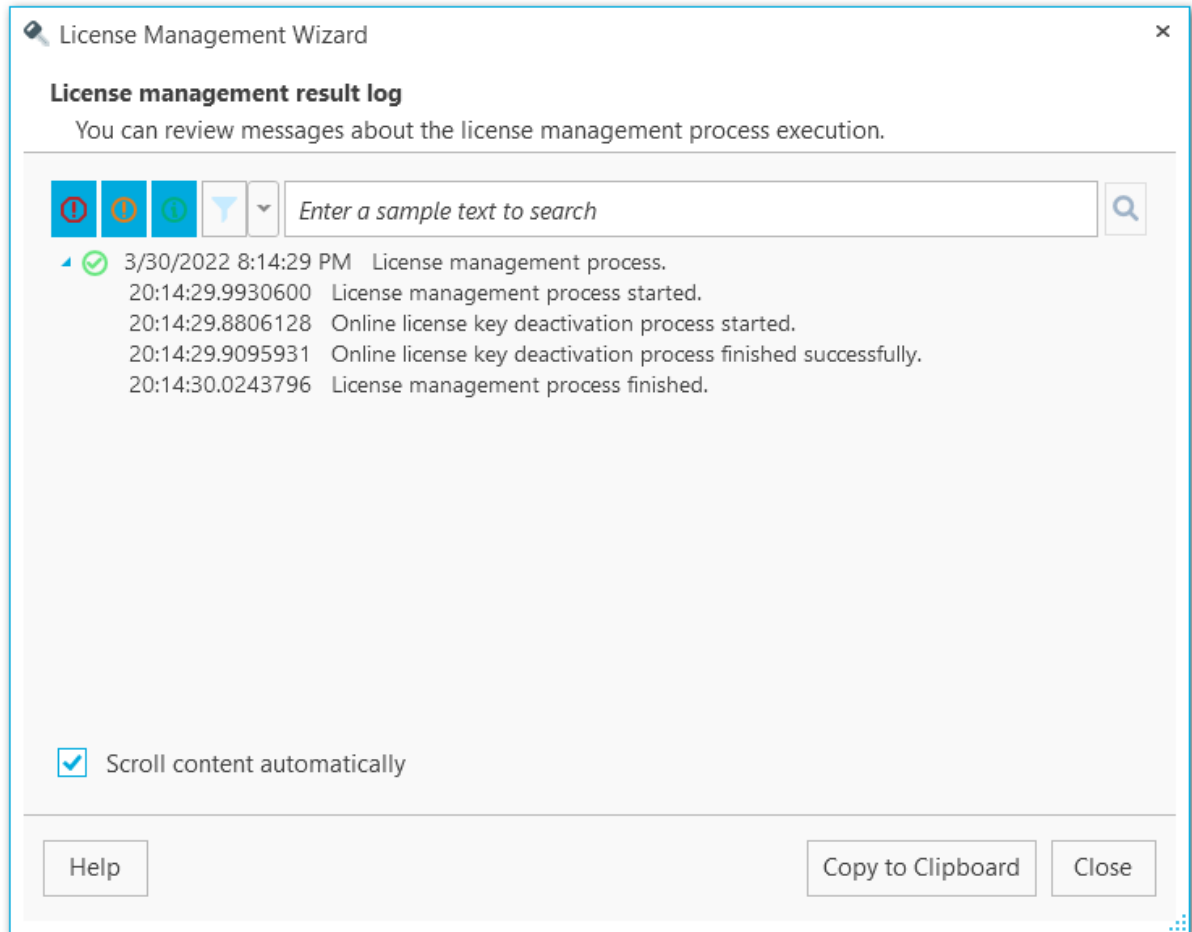


To perform license deactivation via web-site follow these steps:

1. Register in the Members Area at <https://secure.sqlmanager.net/login>.
2. Open **My Registered Products** section.
3. Expand key list for desired product.
4. Choose **Deactivate License** action.
5. Click **Run** at the current wizard step.
6. Copy the deactivation code at the [next](#) step with **Copy deactivation code** button.
7. Enter the deactivation code into a web form on the website.
8. Click **Deactivate** button on the web form.
9. Click **Finish** button on the [final step](#) of the wizard to complete EMS SQL Backup for PostgreSQL license deactivation process.

### 7.2.3 Performing online deactivation

This step appears only in case the  **Deactivate license online** option was selected on the [first step](#).

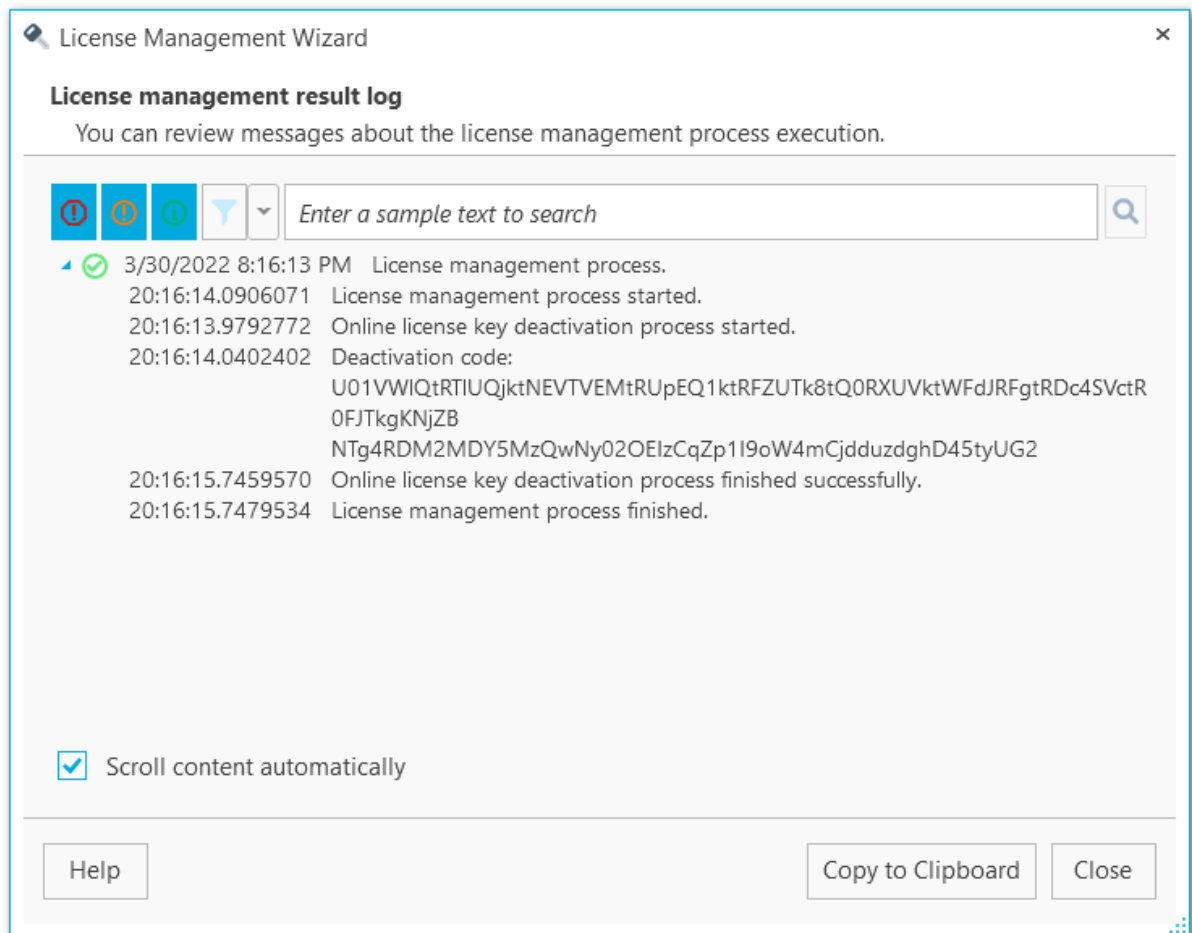


To configure connection parameters for performing deactivation see the [Proxy](#) tab of the [Options](#) dialog.

Click the **Close** button to exit the wizard or **Copy to Clipboard** to copy log information.

## 7.2.4 Performing deactivation with website

This step is intended to inform you about the product deactivation status.



Click **Copy deactivation code** to copy the code and insert it into the web form.

You can apply date or text filter for operations list with the **Filter** button. The filter is applied when the button is pressed.

Set dates range with **From** and **Till** parameters or input the text in the **Sample** field to display records containing this text.

The screenshot shows a 'Filter' dialog box. It has a blue filter icon and a dropdown menu set to 'OID'. Below this, there are three input fields: 'From' with the value 'Tuesday, March 1, 2022 1:24:02 PM', 'Till' with a checked checkbox and the value 'Sunday, March 13, 2022 2:24:02 PM', and 'Sample' with the value 'tester1'. Each of the 'From' and 'Till' fields has a small up/down arrow icon to its right.

Use the search path for **incremental search** in the log.



Click the **Close** button to exit the wizard or **Copy to Clipboard** to copy log information.

**Part**

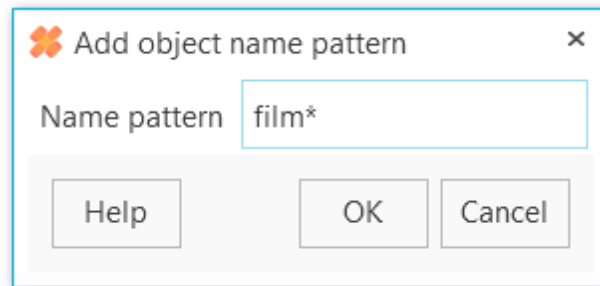




## 8 Appendix

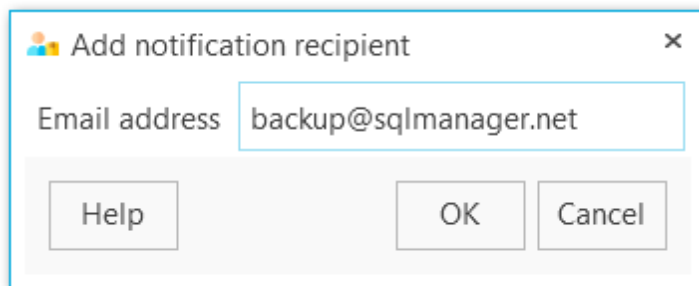
### 8.1 Add object name pattern

Use this dialog to set text for filtering objects by name. You can use wildcards so the full object name is not needed.



## 8.2 Add notification recipient

You can add email addresses in [Task editor](#) or [Create task wizard](#). Check the option to send email notifications, click the Add button and input email address in the following form.

A screenshot of a Windows-style dialog box titled "Add notification recipient" with a close button (X) in the top right corner. The dialog contains a text input field labeled "Email address" with the text "backup@sqlmanager.net" entered. Below the input field are three buttons: "Help", "OK", and "Cancel".

Add notification recipient

Email address backup@sqlmanager.net

Help OK Cancel

If you need to add several addresses use this dialog several times.

# Credits

## Software Developers

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