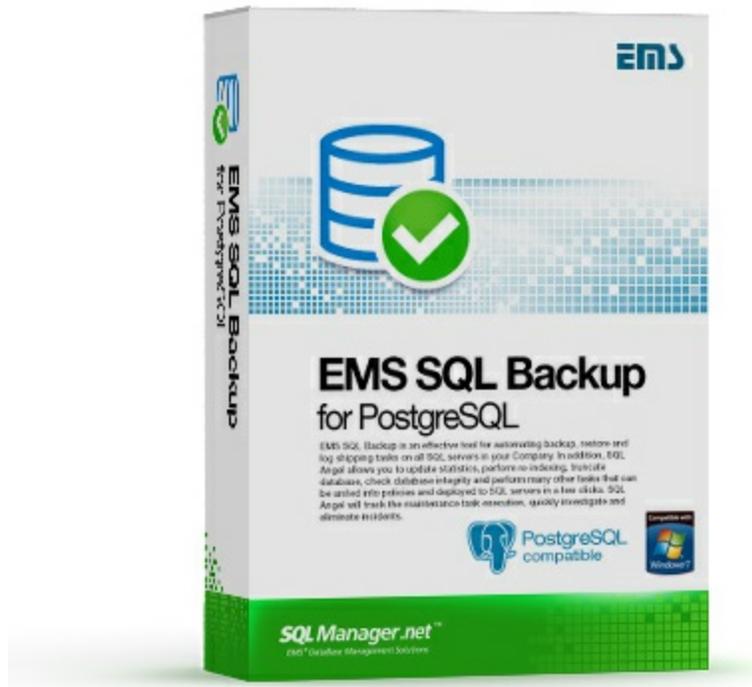


EMS SQL Backup for PostgreSQL User's Manual



EMS SQL Backup for PostgreSQL User's Manual

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Document generated on: 02.03.2026

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Part

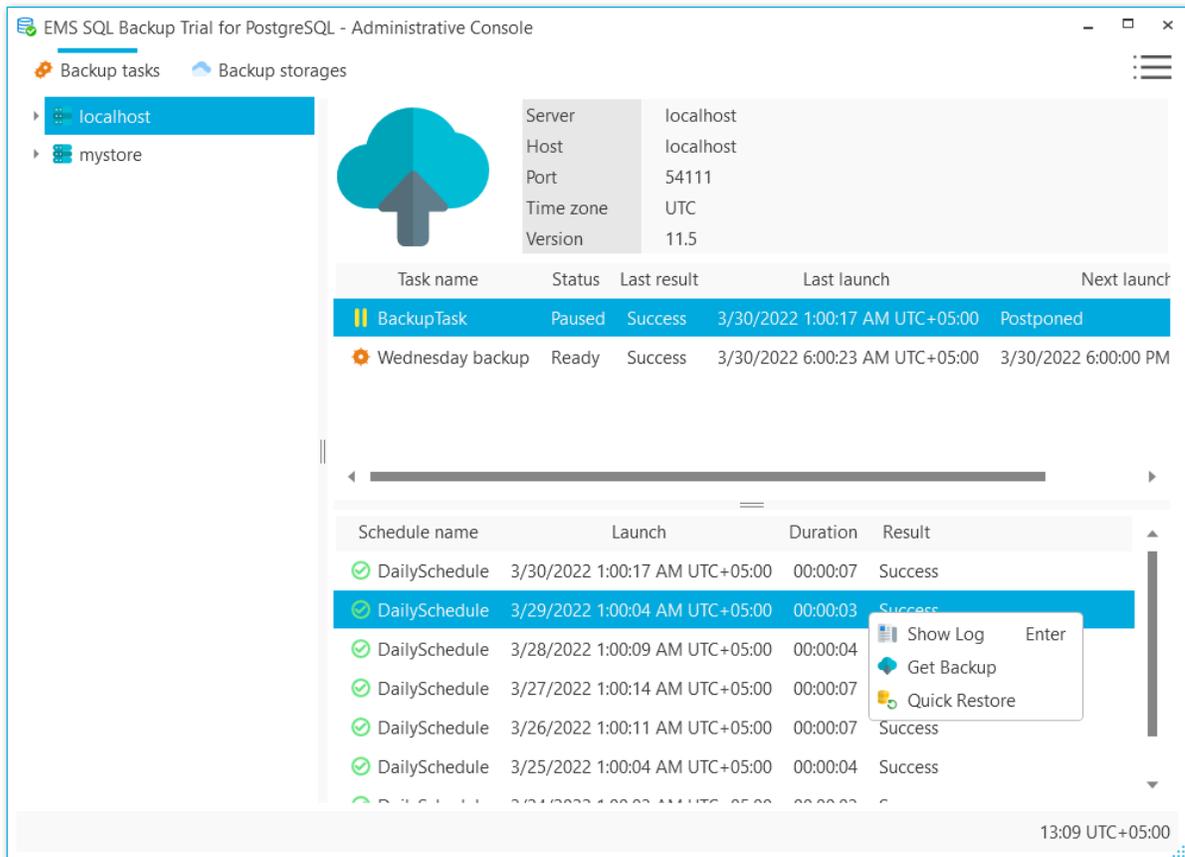


1 Welcome to EMS SQL Backup for PostgreSQL!

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.

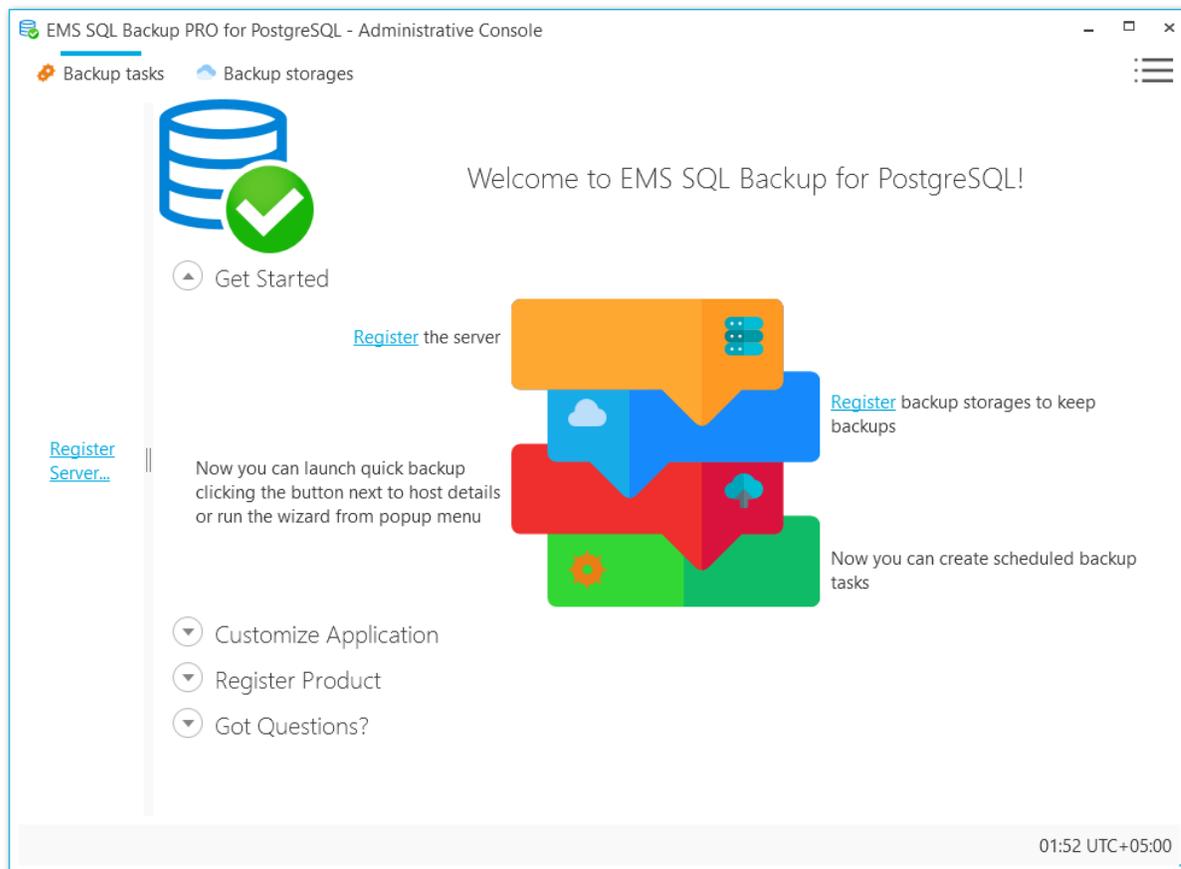
See also:

[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 or higher
- 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.xxx.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.

Product distribution	PayPro Global
EMS SQL Backup for PostgreSQL (Business license) + 1-Year Maintenance*	Register Now!
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*	
EMS SQL Backup for PostgreSQL (Non-commercial license) + 3-Year Maintenance*	
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)	

***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.



[Data Pump for SQL Server](#)

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.



[Data Comparer for SQL Server](#)

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

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PostgreSQL



[SQL Management Studio for PostgreSQL](#)

EMS SQL Management Studio for PostgreSQL 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 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



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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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[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.



[Data Pump for Oracle](#)

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



[Data Generator for Oracle](#)

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



[DB Comparer for Oracle](#)

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



[DB Extract for Oracle](#)

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



[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



[SQL Manager for DB2](#)

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 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.

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Part

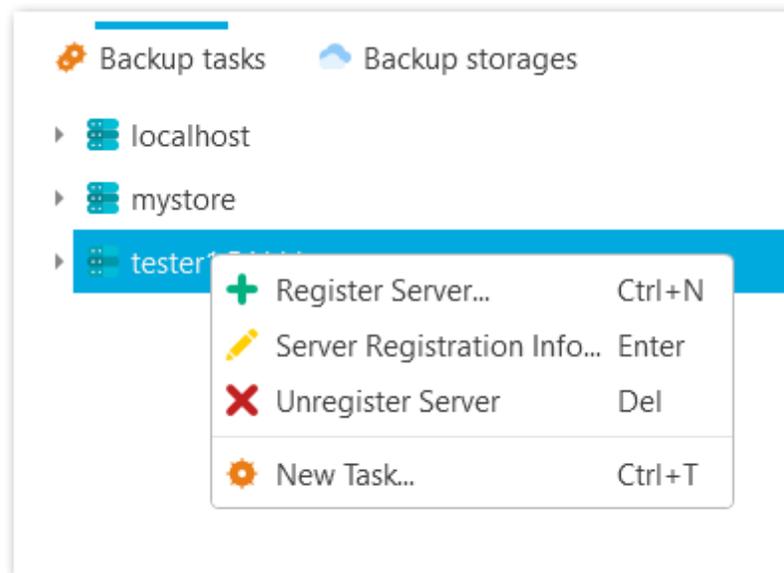


2 Servers

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](#)

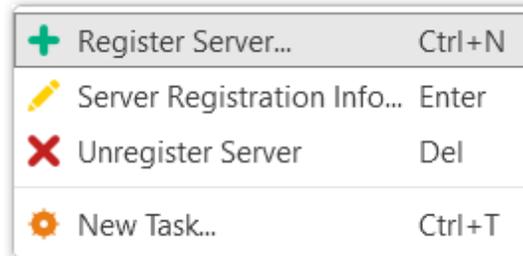
[Backup tasks](#)

[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](#)

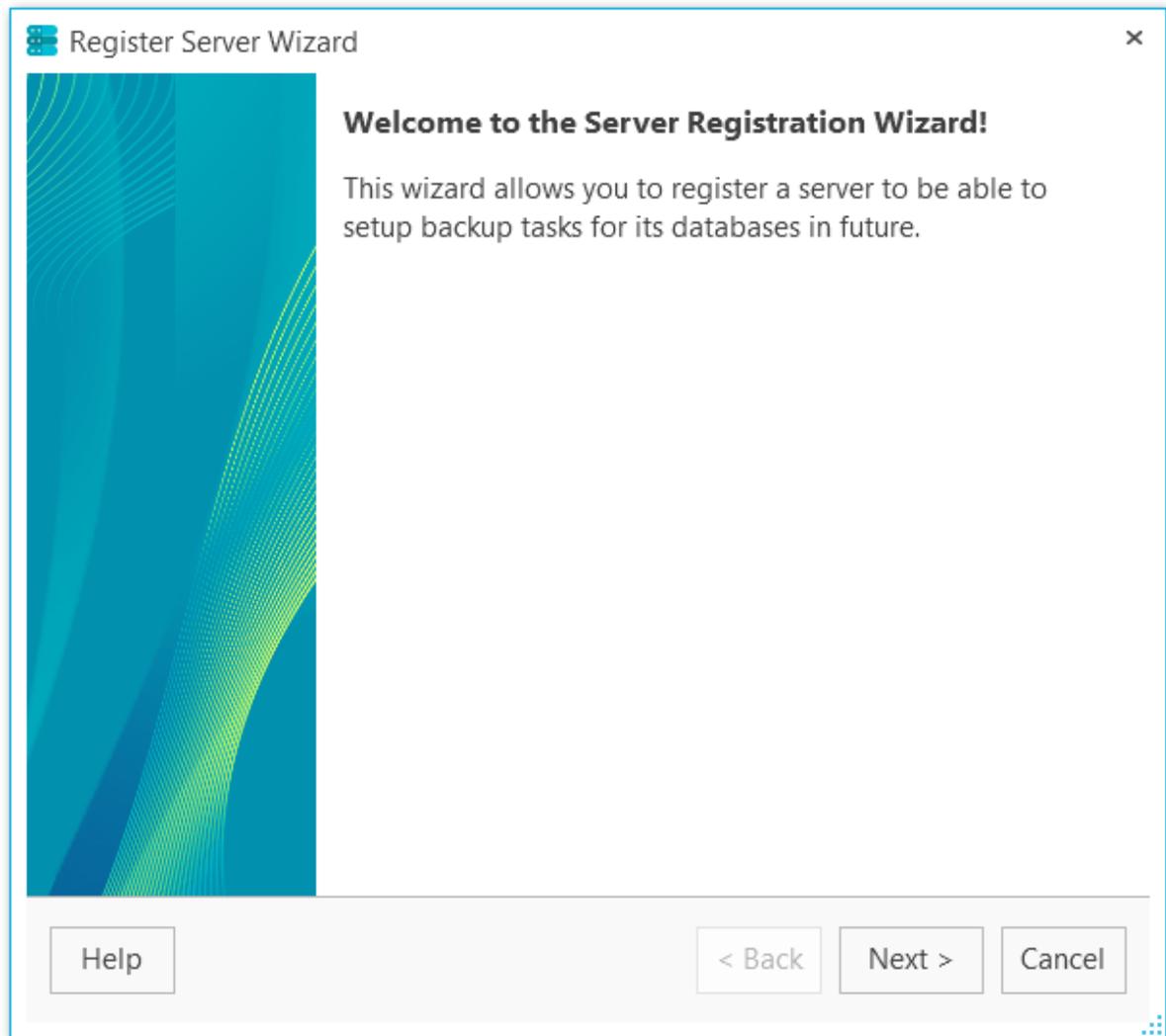
[Performing operation](#)

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

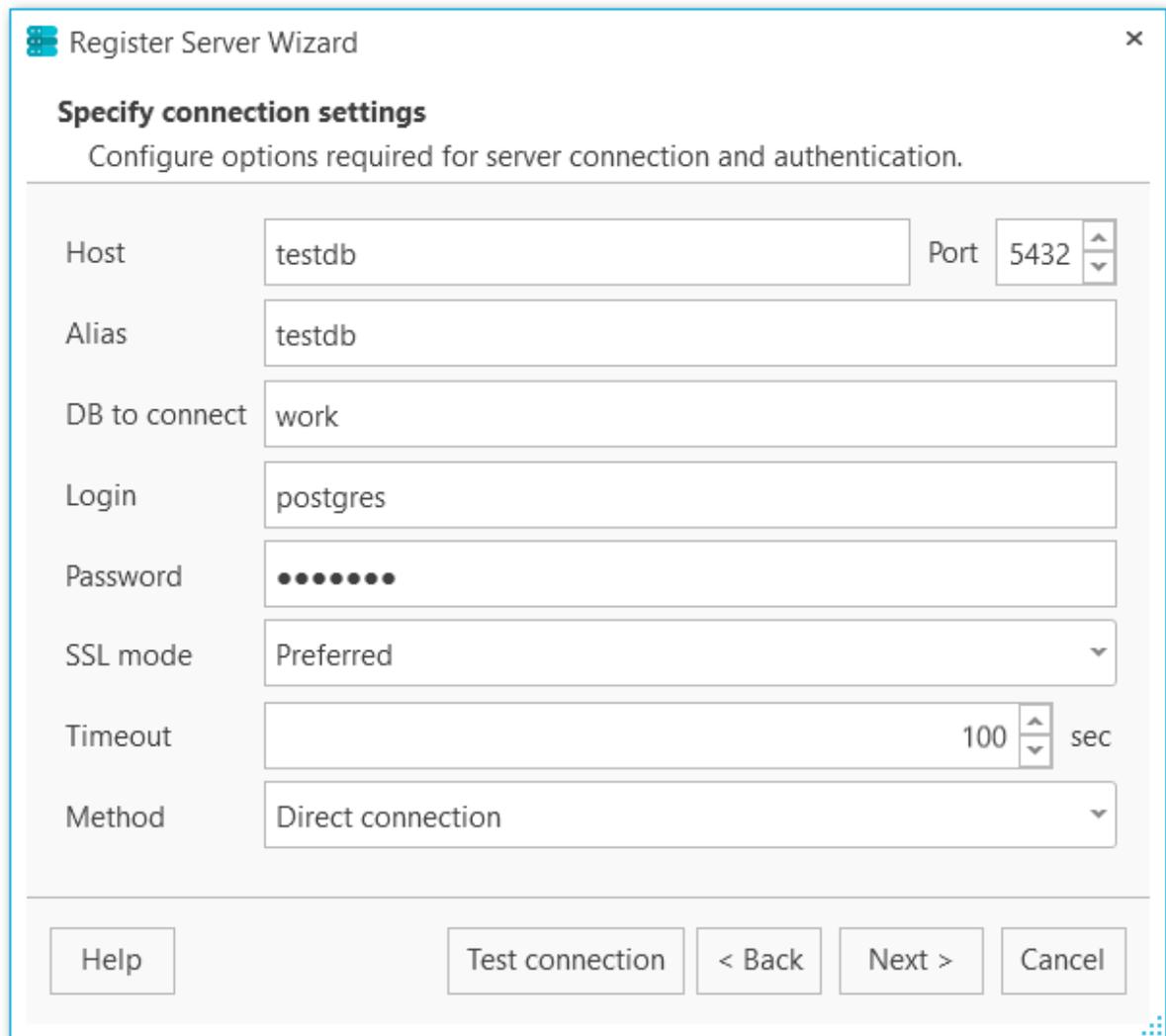
Input the name of the database for automatic connection.

Login

Input the user name to connect to the server.

Password

Specify the password for the selected user.



The screenshot shows a 'Register Server Wizard' dialog box with the title 'Specify connection settings'. Below the title is the instruction 'Configure options required for server connection and authentication.' The dialog contains several input fields and dropdown menus:

- Host:** A text box containing 'testdb'.
- Port:** A numeric spinner box set to '5432'.
- Alias:** A text box containing 'testdb'.
- DB to connect:** A text box containing 'work'.
- Login:** A text box containing 'postgres'.
- Password:** A text box filled with ten black dots.
- SSL mode:** A dropdown menu with 'Preferred' selected.
- Timeout:** A numeric spinner box set to '100' with the unit 'sec'.
- Method:** A dropdown menu with 'Direct connection' selected.

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

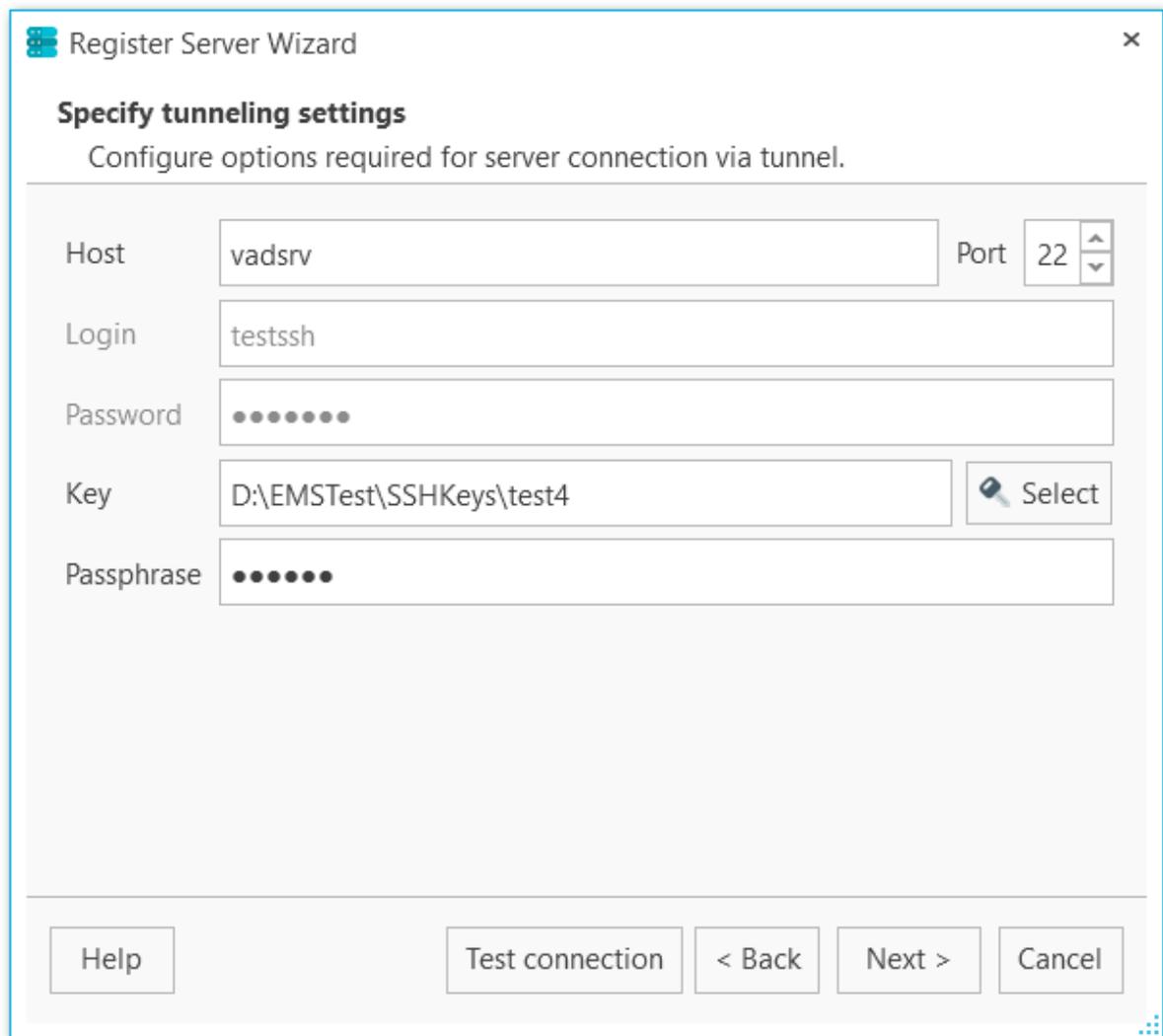
Set the port value where SSH server is activated.

Login

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

Password

Specify the password for the selected user.



The screenshot shows a dialog box titled "Register Server Wizard" with a close button (X) in the top right corner. The main heading is "Specify tunneling settings" with a subtitle "Configure options required for server connection via tunnel." Below this, there are several input fields and controls:

- Host:** A text box containing "vadsrv".
- Port:** A numeric spinner box set to "22".
- Login:** A text box containing "testssh".
- Password:** A text box with seven dots representing a masked password.
- Key:** A text box containing "D:\EMSTest\SSHKeys\test4" and a "Select" button with a key icon.
- Passphrase:** A text box with seven dots representing a masked passphrase.

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

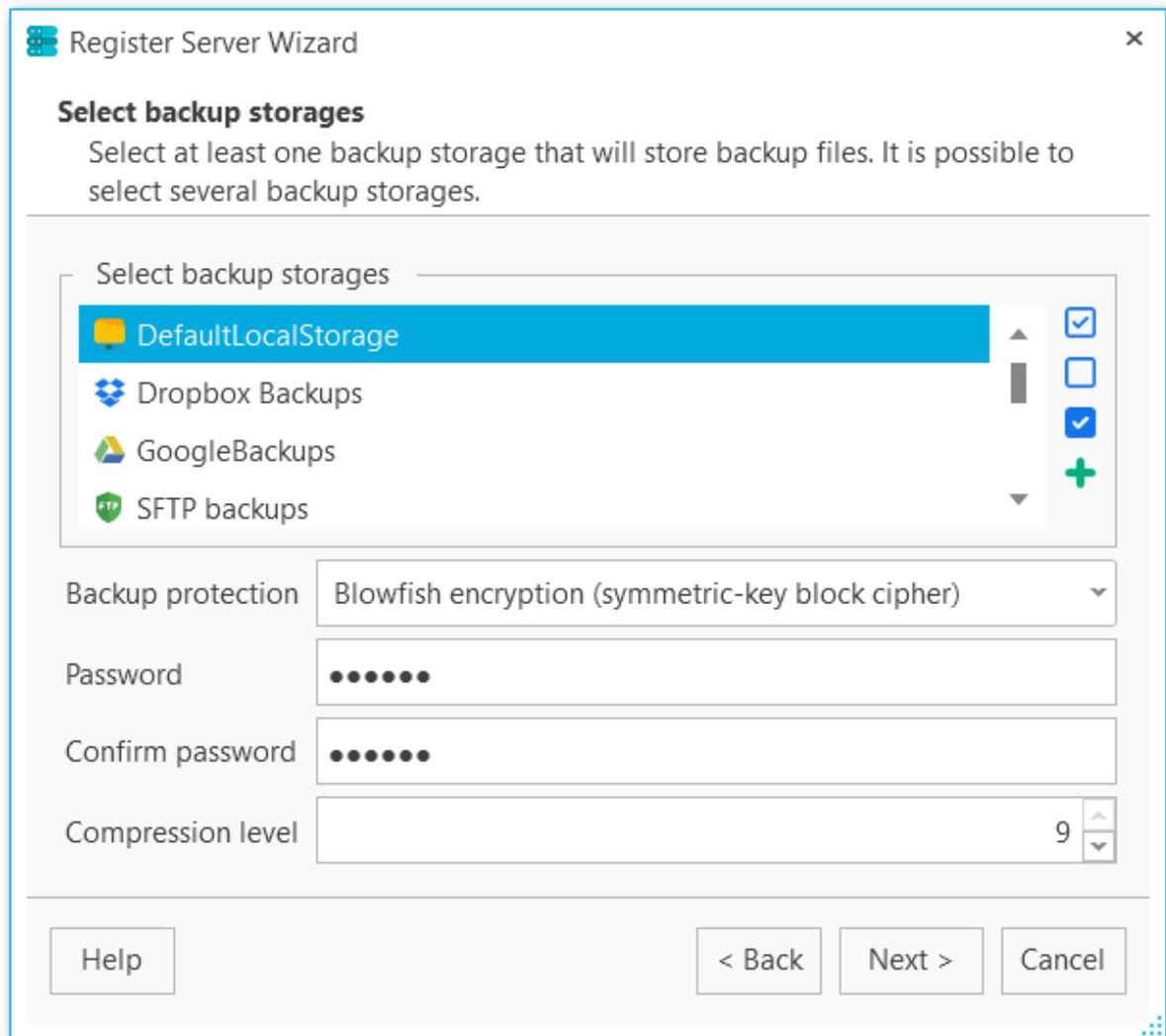
Set the password for backup files.

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.



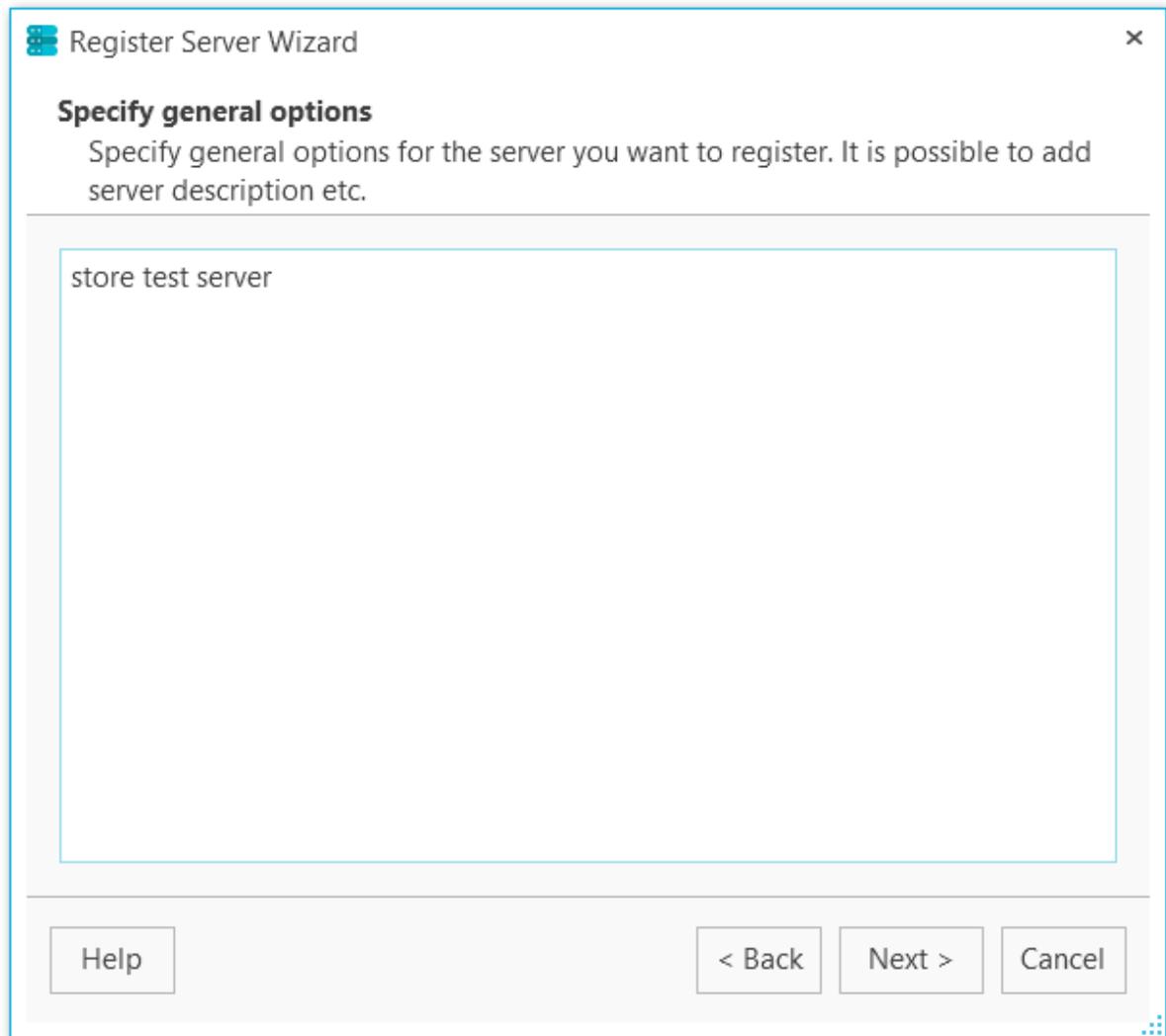
Select one or more targets and click the **Next** button.

[<< 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 screenshot shows a dialog box titled "Register Server Wizard" with a close button (X) in the top right corner. The main heading is "Specify general options" followed by the instruction: "Specify general options for the server you want to register. It is possible to add server description etc." Below this is a large text input field containing the text "store test server". At the bottom of the dialog, there are four buttons: "Help", "< Back", "Next >", and "Cancel".

[<< Previous step](#)

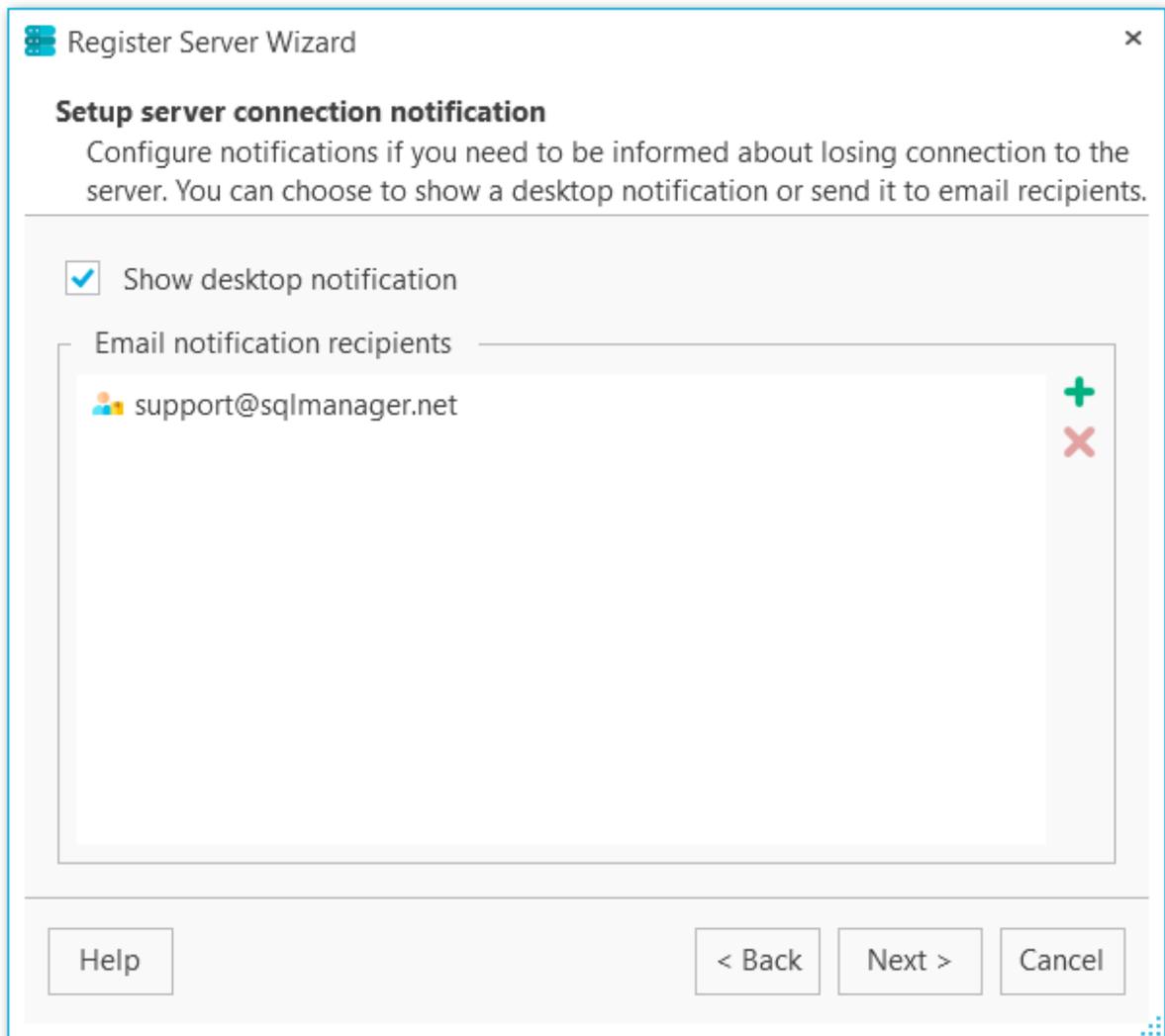
[Next step >>](#)

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

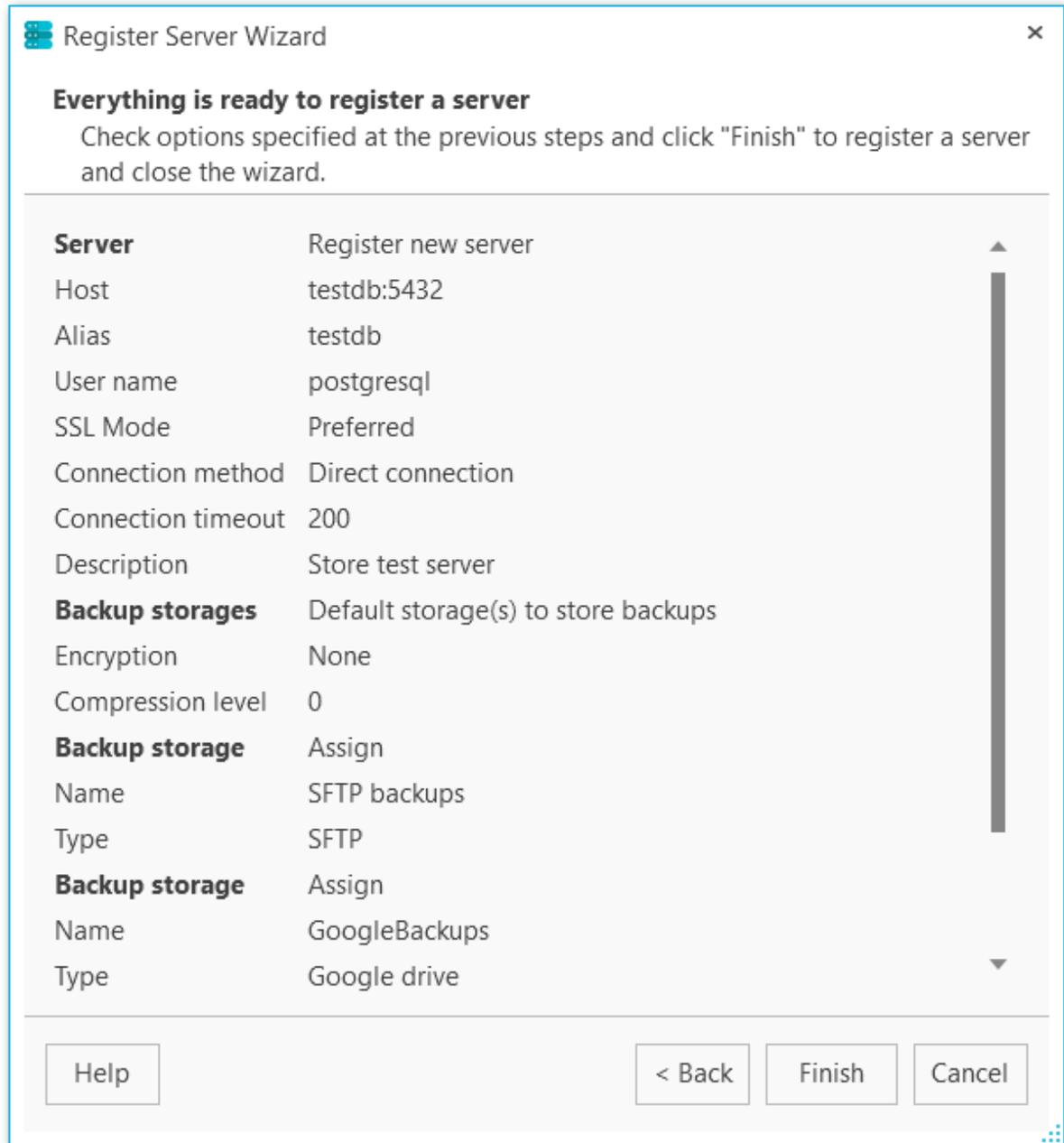
[Add](#) email address for sending out lost connection info messages.

[<< 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.

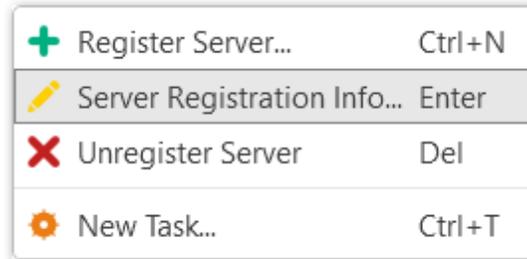


Press the **Finish** button to register the server.

[<< 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.

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

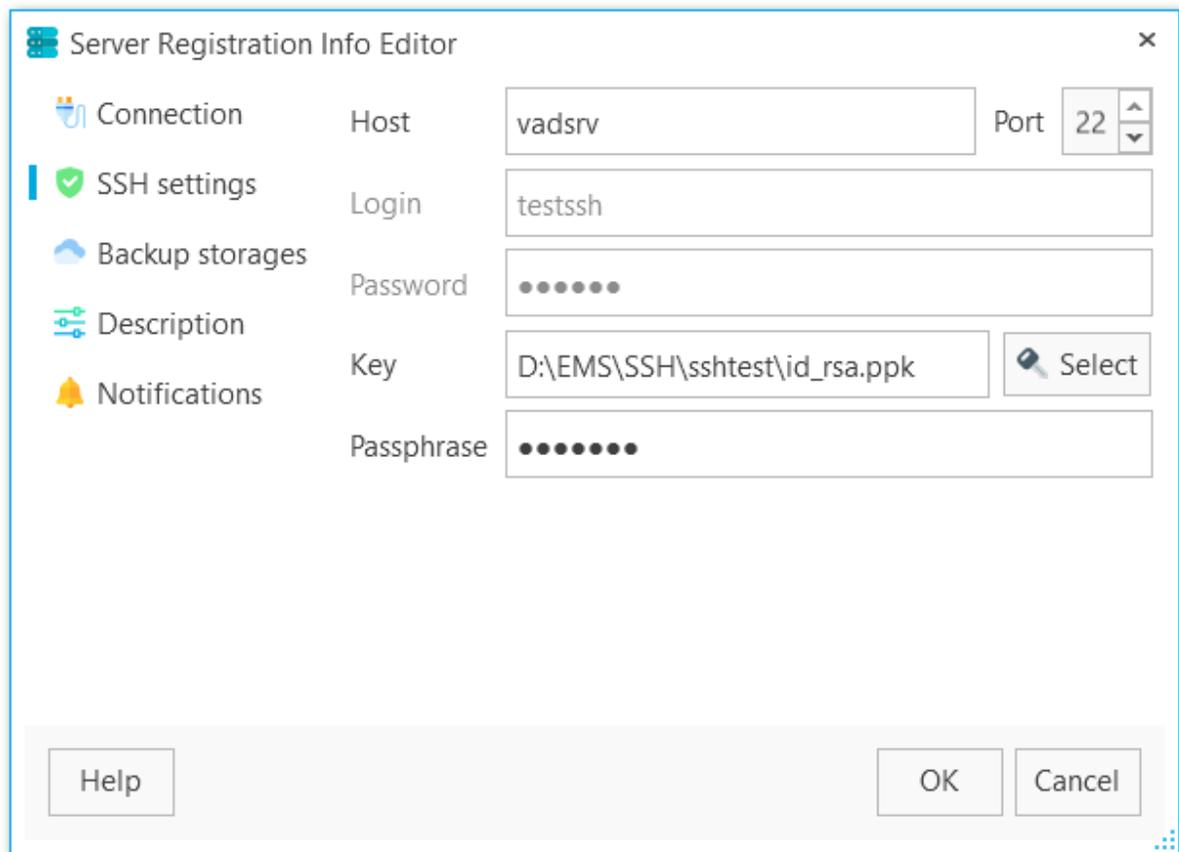
Set the port value where SSH server is activated.

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

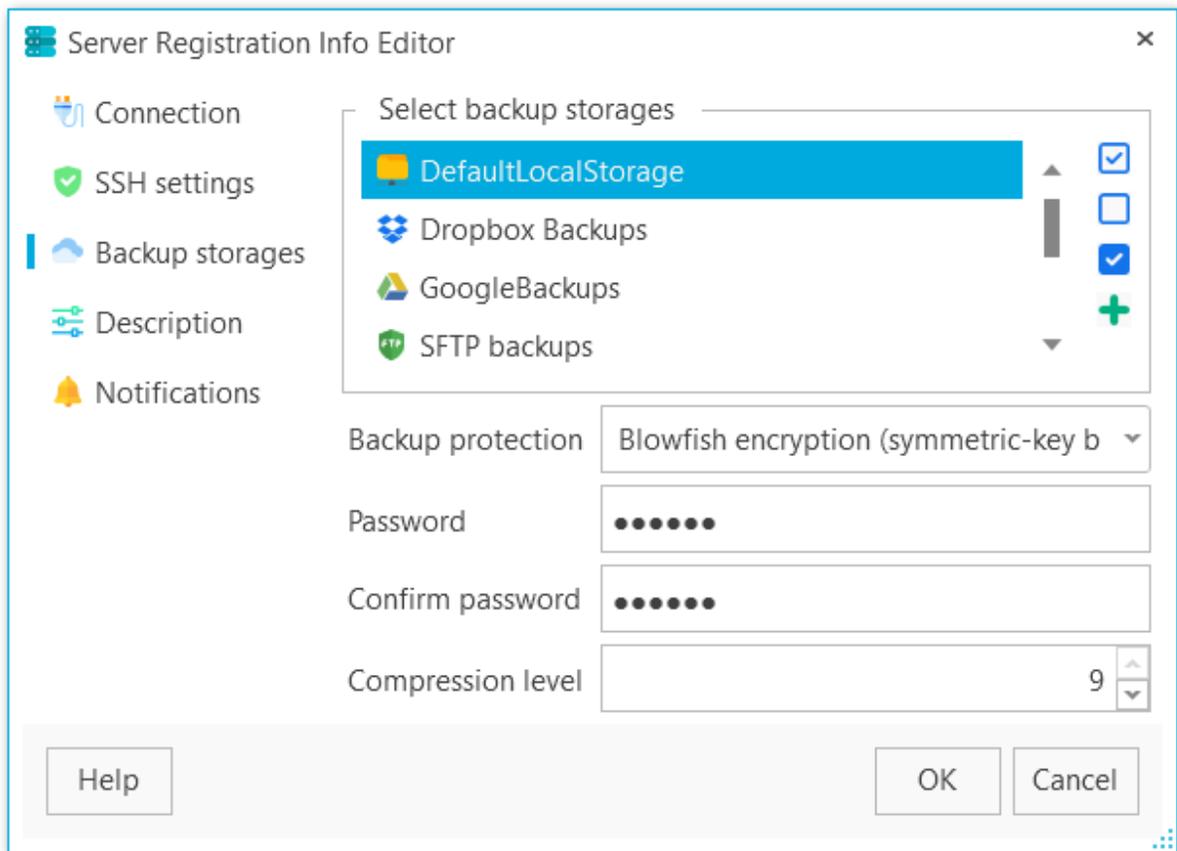
Set the password for backup files.

Confirm password

Re-enter the password.

Compression level

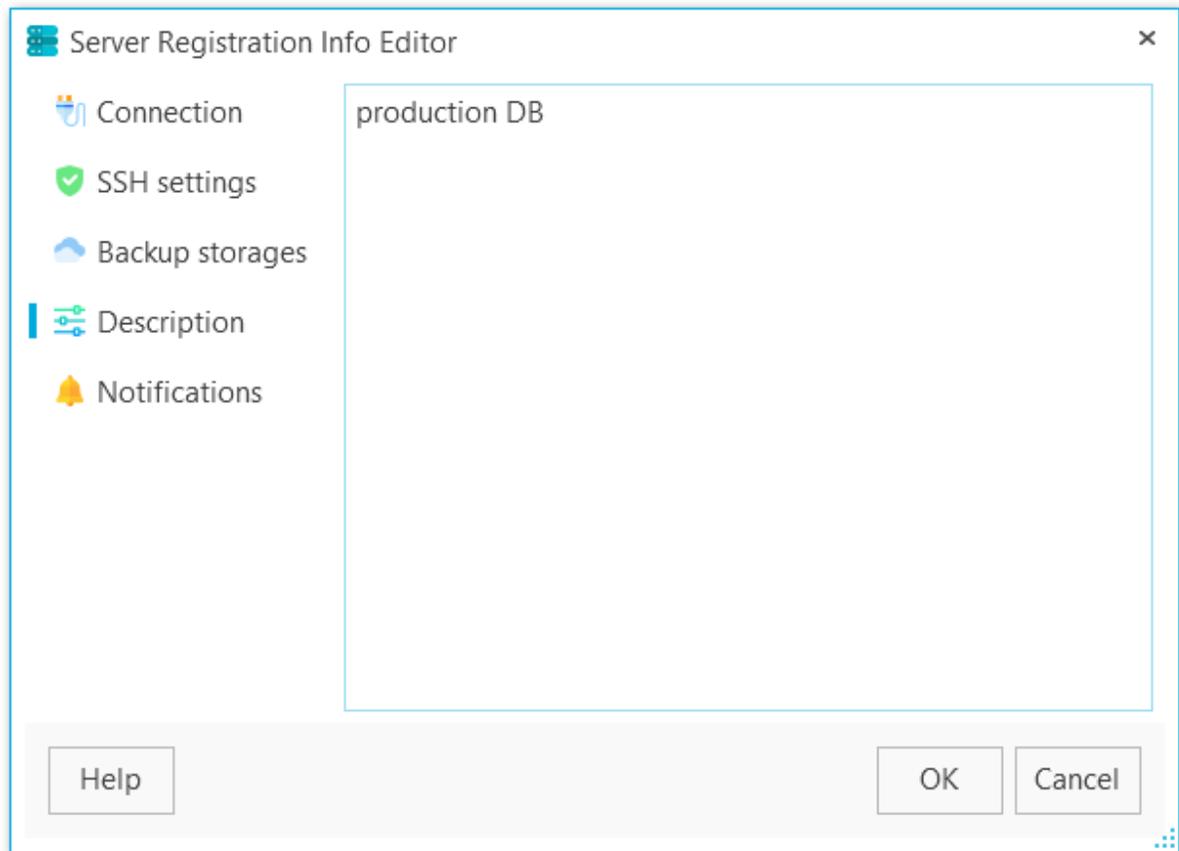
This control allows you to set the compression level for all backup files sent to storage. The values are ranged 0-9. Select 0 if no compression is needed.



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

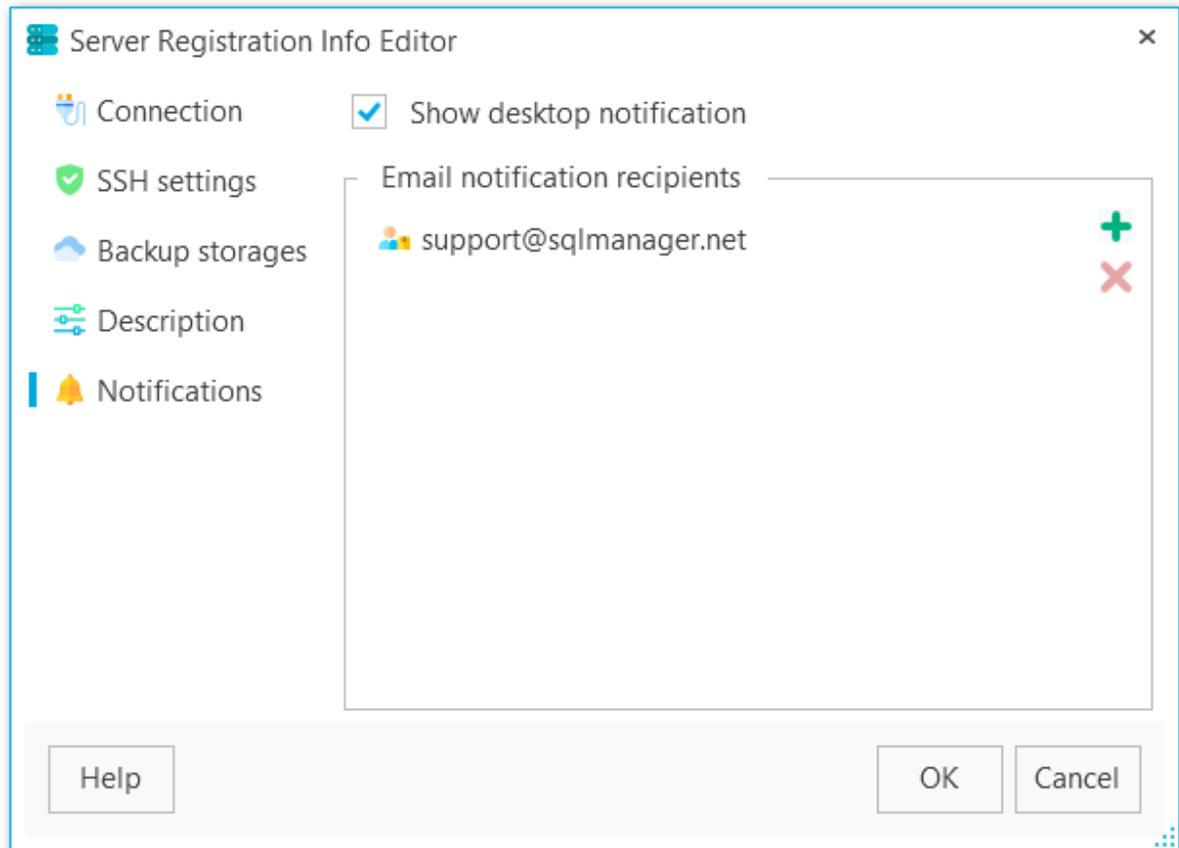
Add or edit notification type to be sent on losing connection to the server.

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.

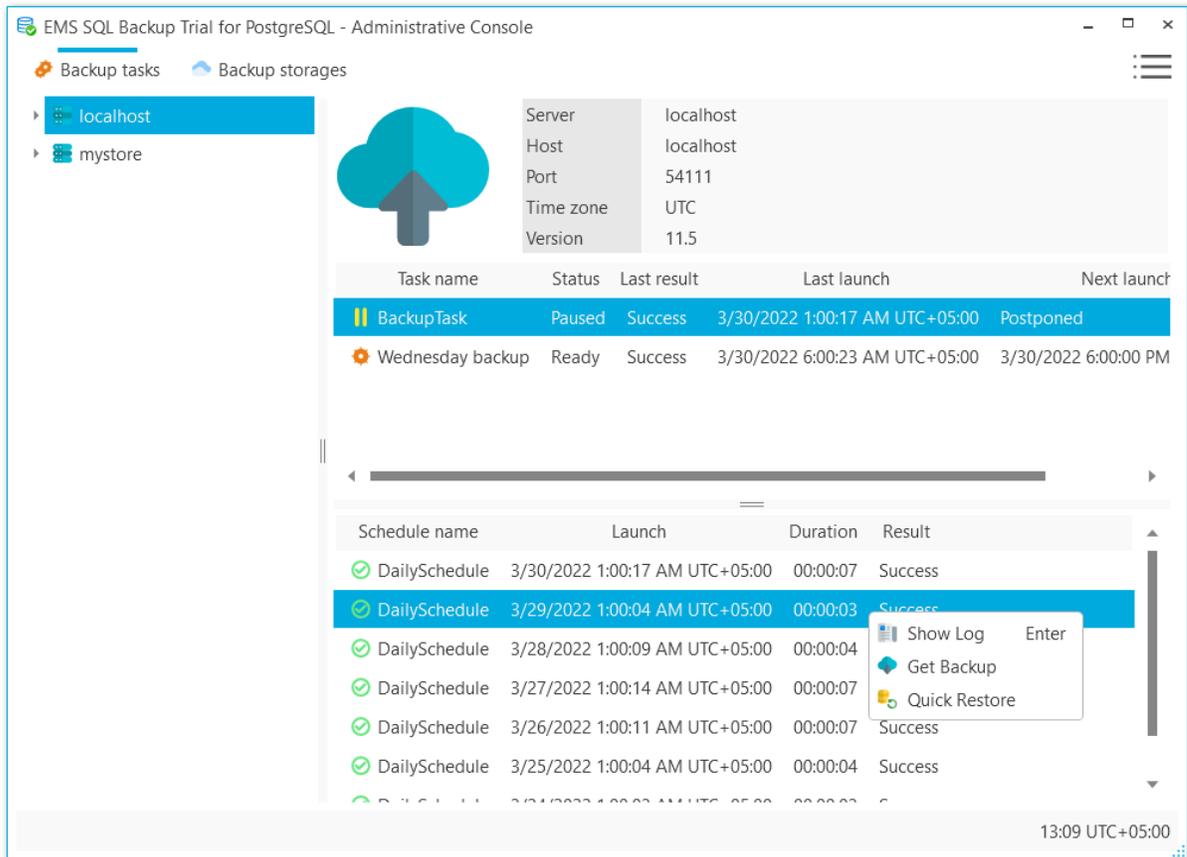


Part



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 'Administrative Console' for EMS SQL Backup. 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 from 3/29/2022, showing options: 'Show Log', 'Get Backup', and 'Quick Restore'. The 'Show Log' option is highlighted with 'Enter'.

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](#)

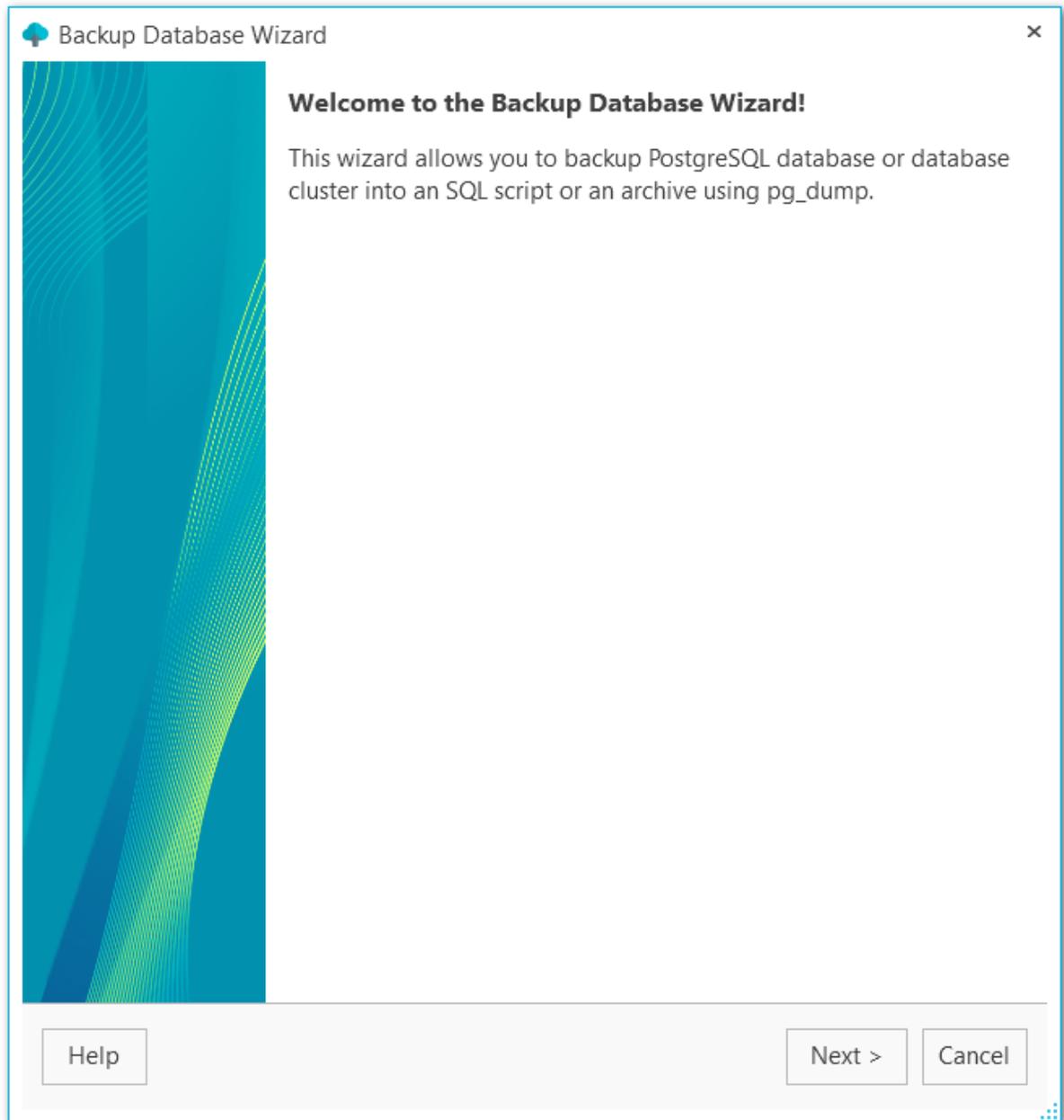
[Backup process log](#)

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.

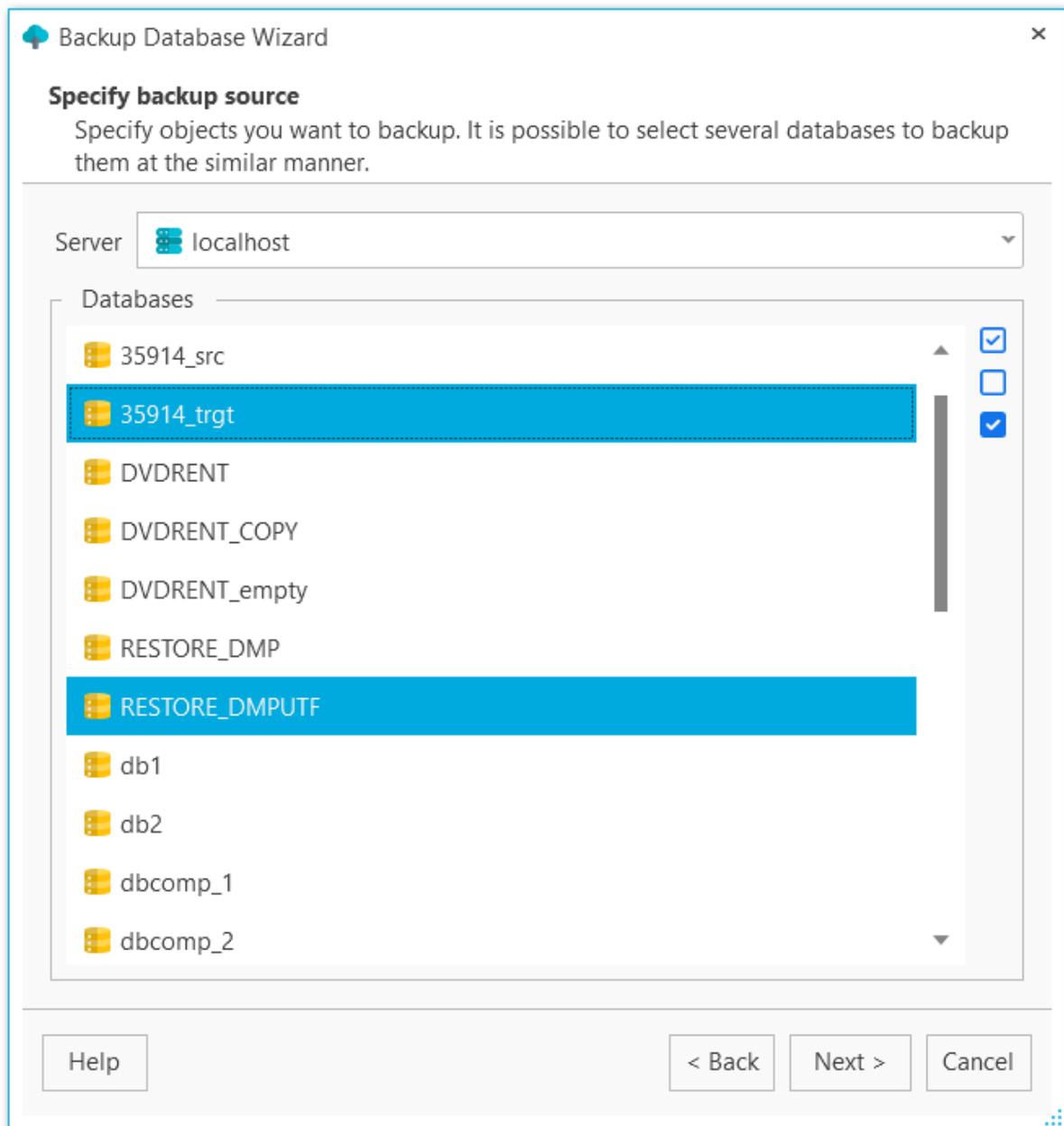
Use the **Select All** or **Unselect All** buttons to select or unselect all the servers at once. The **Invert Selection** button allows you to reverse the server selection.

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

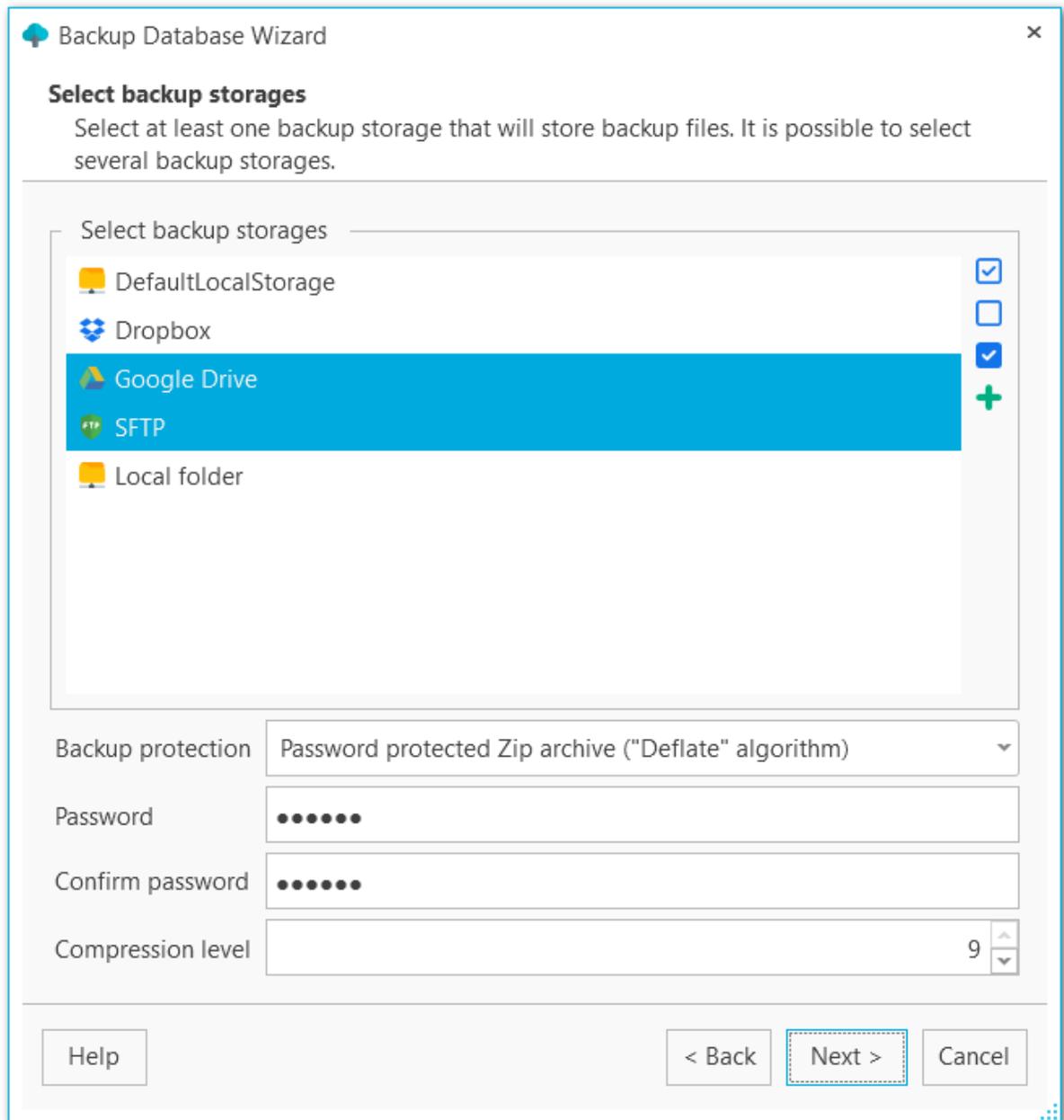
Set the password for backup files.

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.



[<< 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 dialog box titled "Backup Database Wizard" with a close button (X) in the top right corner. The main heading is "Define backup file related options" with a subtitle: "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 currently set to "Plain-text SQL script".
- Name pattern:** A text input field containing "{server}_{database}_{date}". Below this field, it says "Available tags: {server} {database} {date}" with the tags in blue.
- Encoding:** A dropdown menu currently set to "<Database encoding>".
- Compression level:** A numeric input field with a spinner, currently set to "9".
- Number of jobs:** A numeric input field with a spinner, currently set to "1".

At the bottom of the dialog, 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

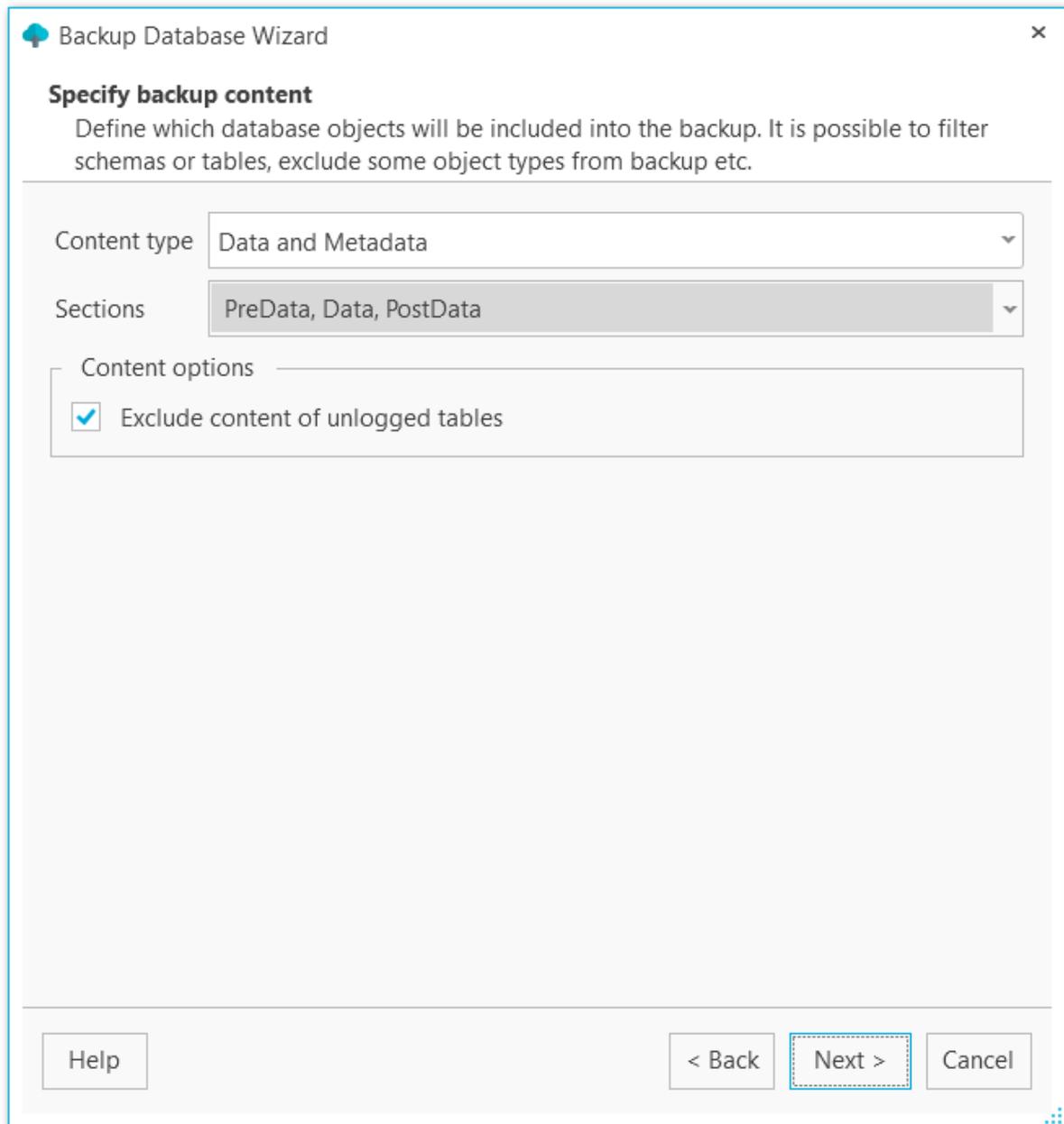
Select what type of data must be backed up.

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).



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

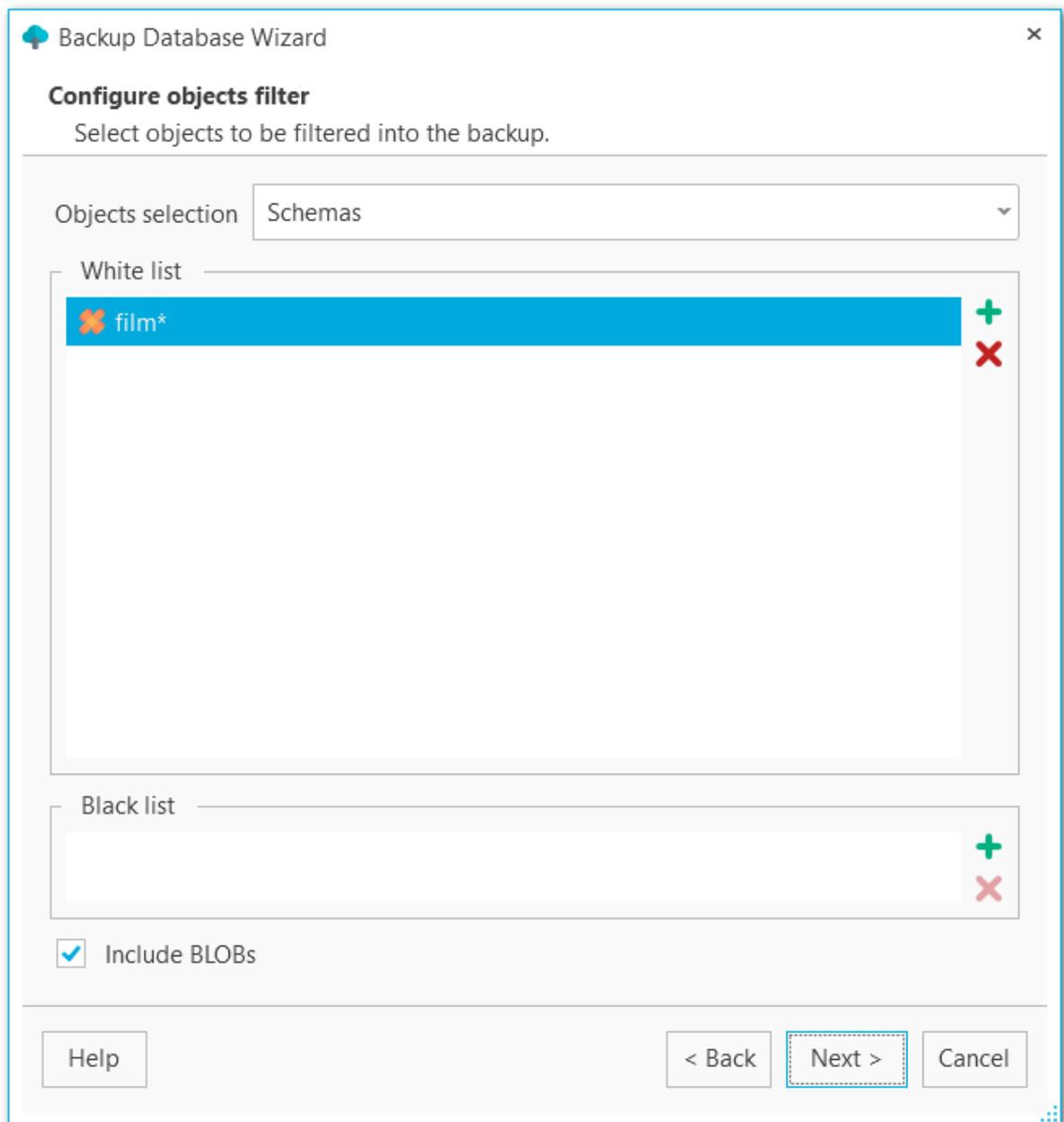
Add object name patterns. Only objects matching the name will be backed up.

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

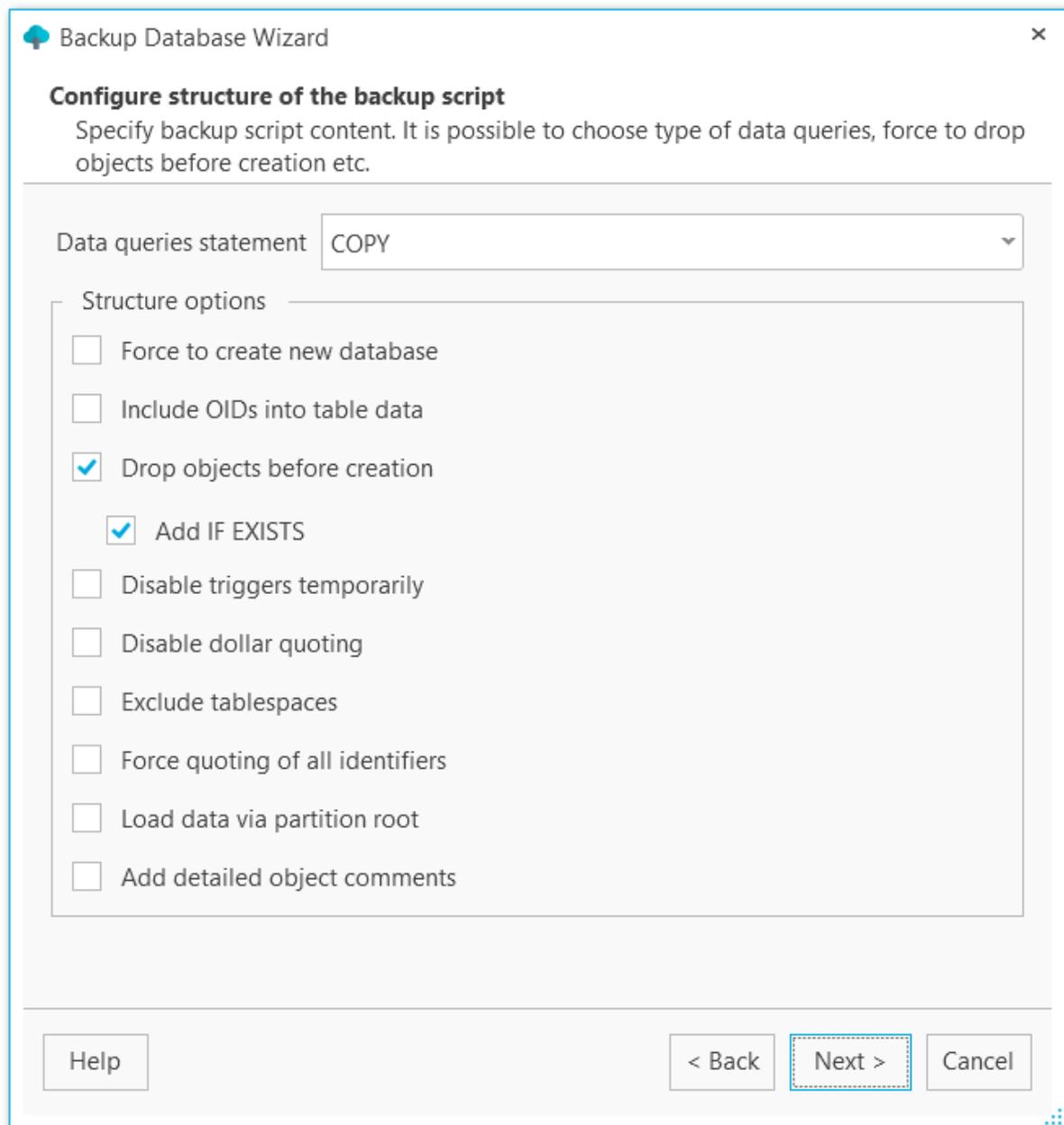
Dump data as COPY command. This is the fastest way to restore data.

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.



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.

[<< Previous step](#)

[Next step >>](#)

3.1.8 Configuring backup security options

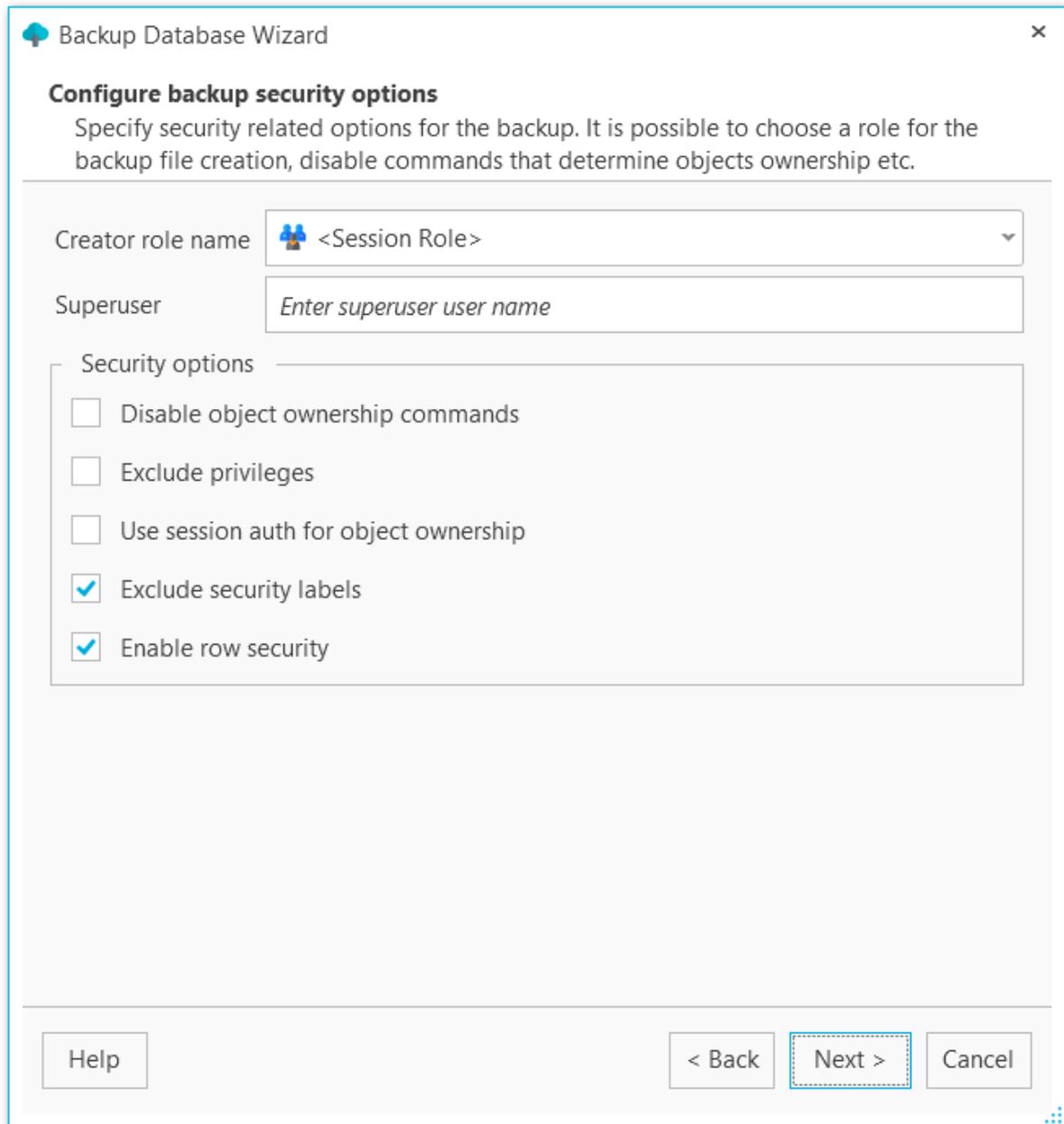
Set security-related options for the target backup file.

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 dialog box titled "Backup Database Wizard" with a close button (X) 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." The dialog contains several input fields and a list of options:

- Creator role name:** A dropdown menu showing a role icon and the text "<Session Role>".
- Superuser:** A text input field containing the placeholder text "Enter superuser user name".
- Security options:** A list of five options, each with a checkbox:
 - Disable object ownership commands
 - Exclude privileges
 - Use session auth for object ownership
 - Exclude security labels
 - Enable row security

At the bottom of the dialog, there 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

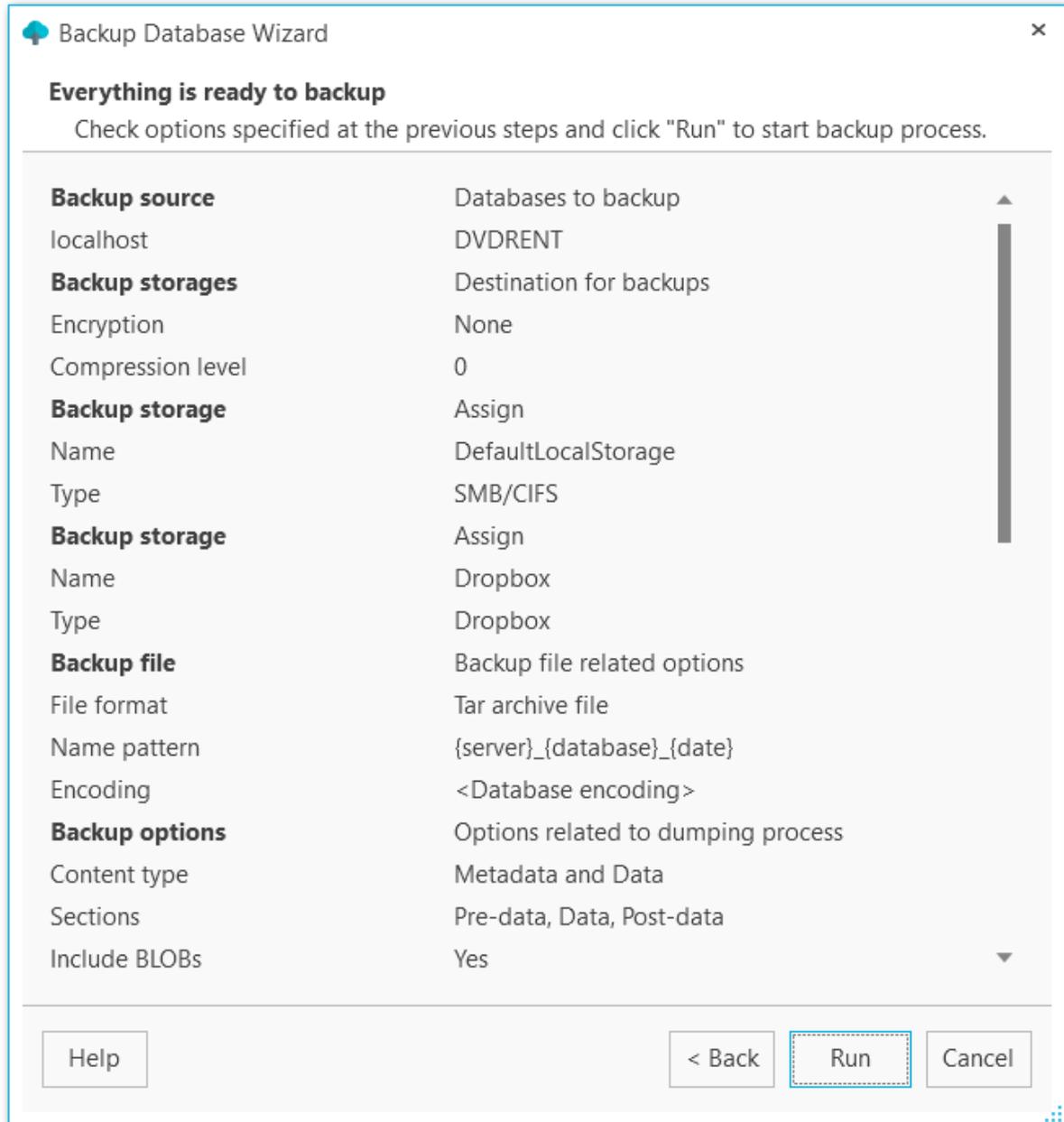
This option enables row security to allow user to create backup for the content he has access to.

[<< Previous step](#)

[Next step >>](#)

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.

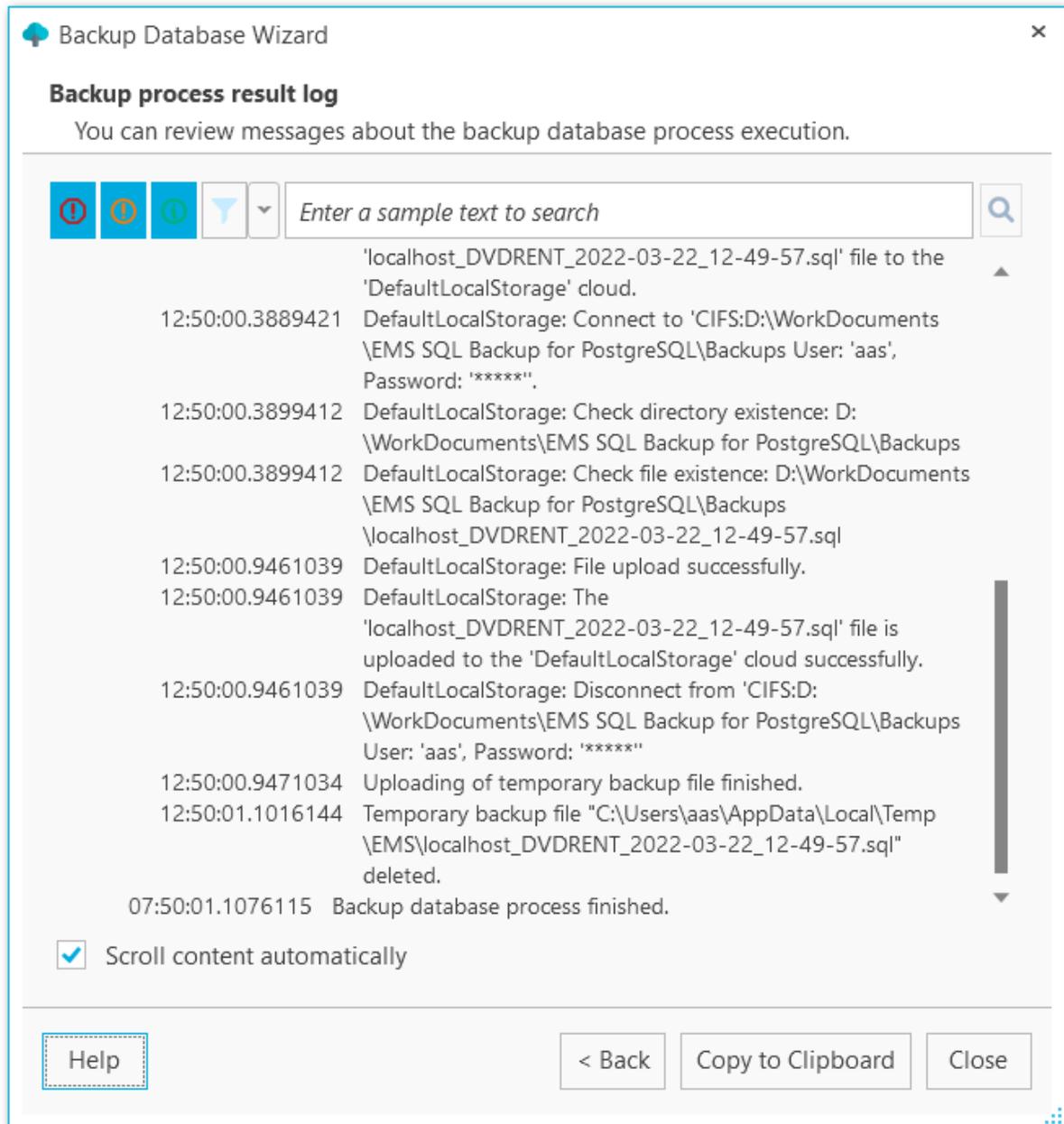


[<< Previous step](#)

[Next step >>](#)

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.

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

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

OID	
-----	---

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](#)

See also:

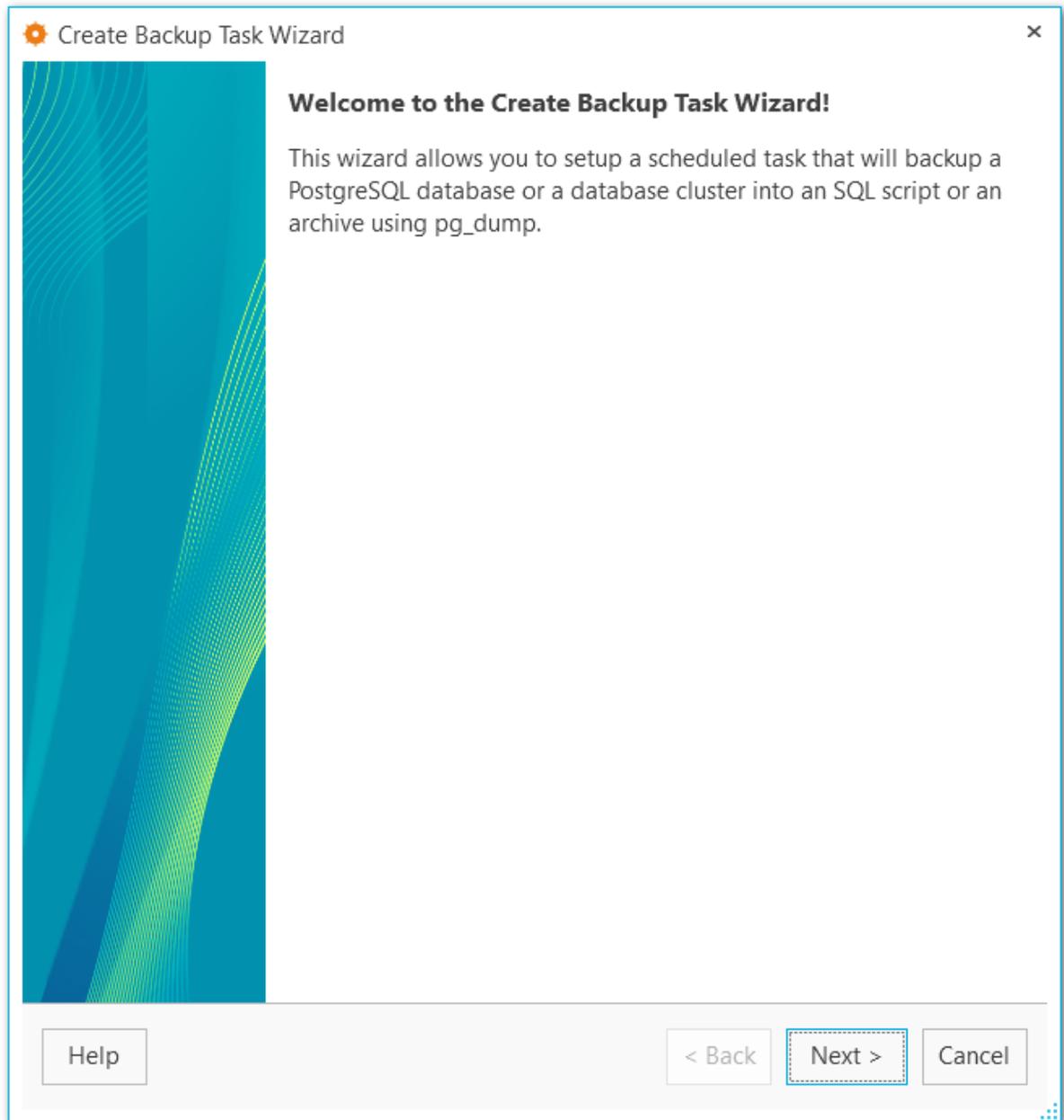
[Backup database wizard](#)

[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.

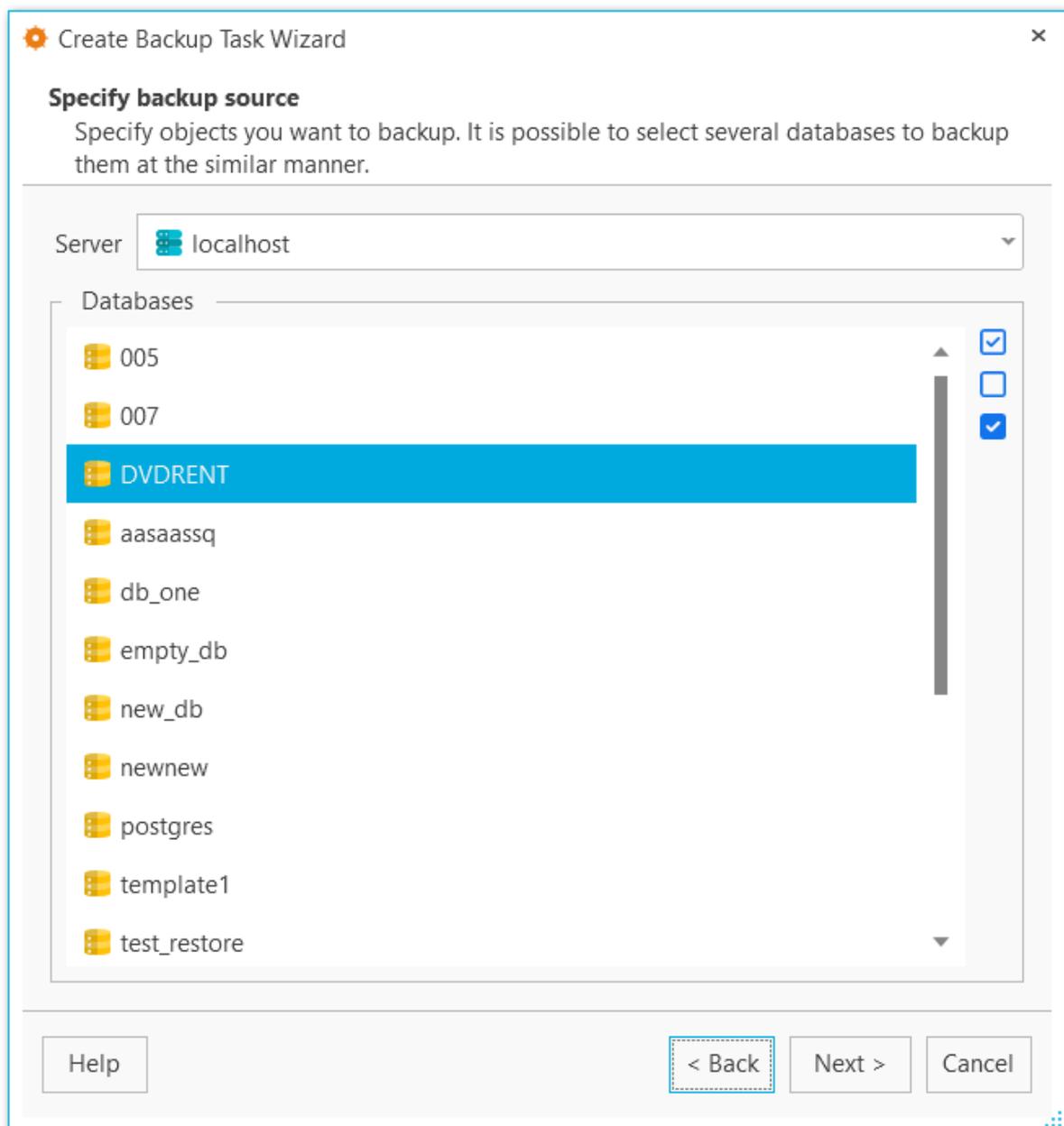
Use the **Select All** or **Unselect All** buttons to select or unselect all the servers at once. The **Invert Selection** button allows you to reverse the server selection.

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](#).

Create Backup Task 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
- Local folder
- AmazonBackups
- MSAzureBackups
- FtpStorage

Backup protection: AES encryption (Advanced Encryption Standard)

Password: ●●●●●●

Confirm password: ●●●●●●

Compression level: 9

Buttons: Help, < Back, Next >, 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.

[<< Previous step](#)

[Next step >>](#)

.

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.

Create Backup Task Wizard

Specify backup task name
Set the name for the backup task. Optionally you can add task description.

Name

Description

Help < Back Next > Cancel

[<< Previous step](#)

[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 dialog box titled "Create Backup Task Wizard" with a close button (X) in the top right corner. The main heading is "Define backup file related options" with a sub-heading: "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 input fields:

- File format:** A dropdown menu currently showing "Plain-text SQL script".
- Name pattern:** A text input field containing "{server}_{database}_{date}". Below it, the text "Available tags: {server} {database} {date}" is displayed.
- Encoding:** A dropdown menu showing "<Database encoding>".
- Compression level:** A numeric input field with a value of "0" and up/down arrow buttons.
- Number of jobs:** A numeric input field with a value of "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.

[<< Previous step](#)

[Next step >>](#)

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 window titled "Create Backup Task Wizard" with a close button (X) in the top right corner. The main heading is "Specify backup content", followed by a descriptive paragraph: "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 two dropdown menus: "Content type" is set to "Data and Metadata", and "Sections" is set to "PreData, Data, PostData". A "Content options" section contains 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 four buttons: "Help", "< Back", "Next >" (which is highlighted with a dashed border), and "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 >>](#)

3.2.7 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

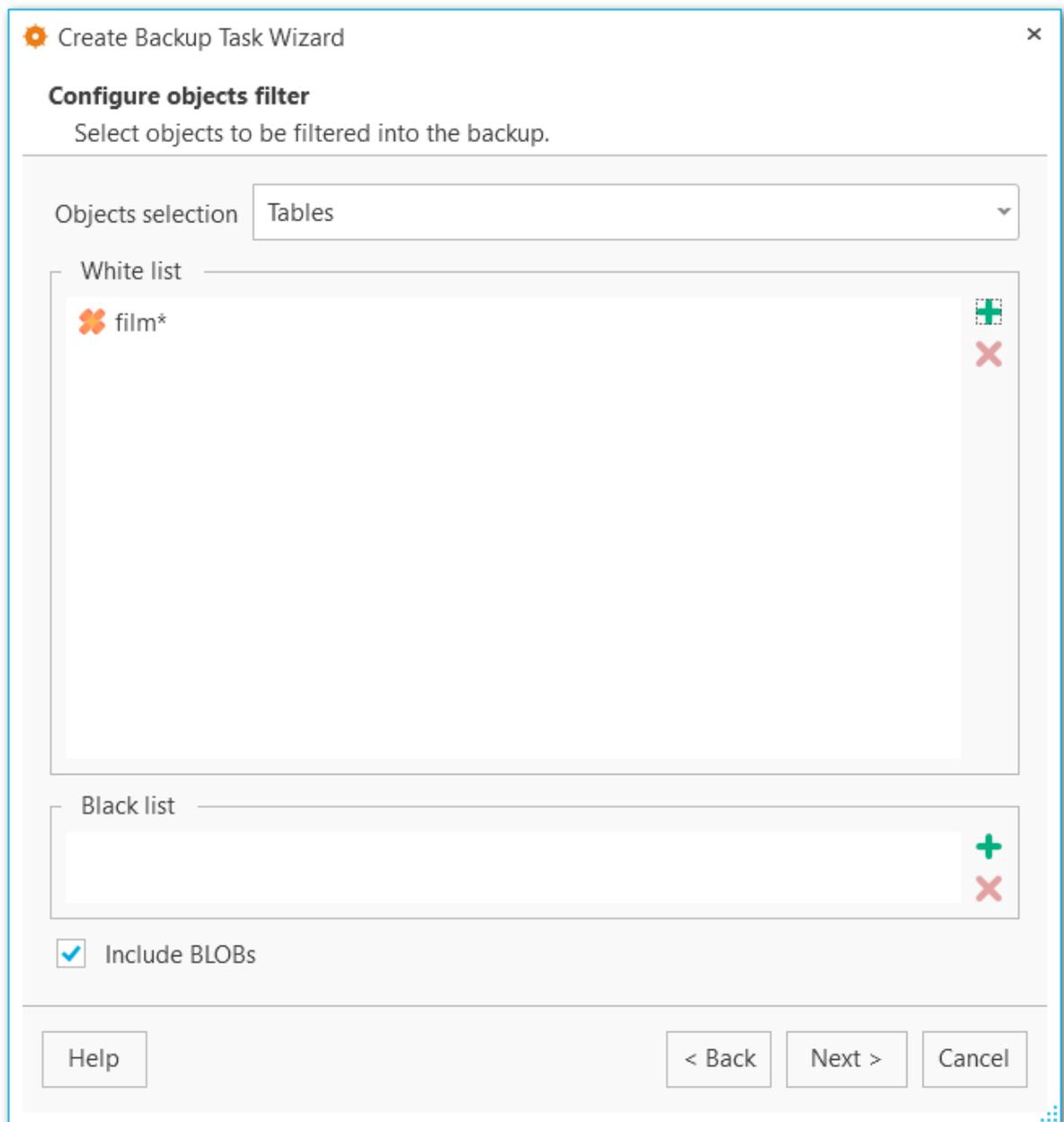
Add object name patterns. Objects matching the pattern will not be backed up.

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.



[<< Previous step](#)

[Next step >>](#)

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" with a subtitle: "Specify backup script content. It is possible to choose type of data queries, force to drop objects before creation etc." Below this is a dropdown menu labeled "Data queries statement" with "COPY" selected. Underneath is a section titled "Structure options" containing a list of checkboxes:

- 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

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

[<< Previous step](#)

[Next step >>](#)

3.2.9 Configuring backup security options

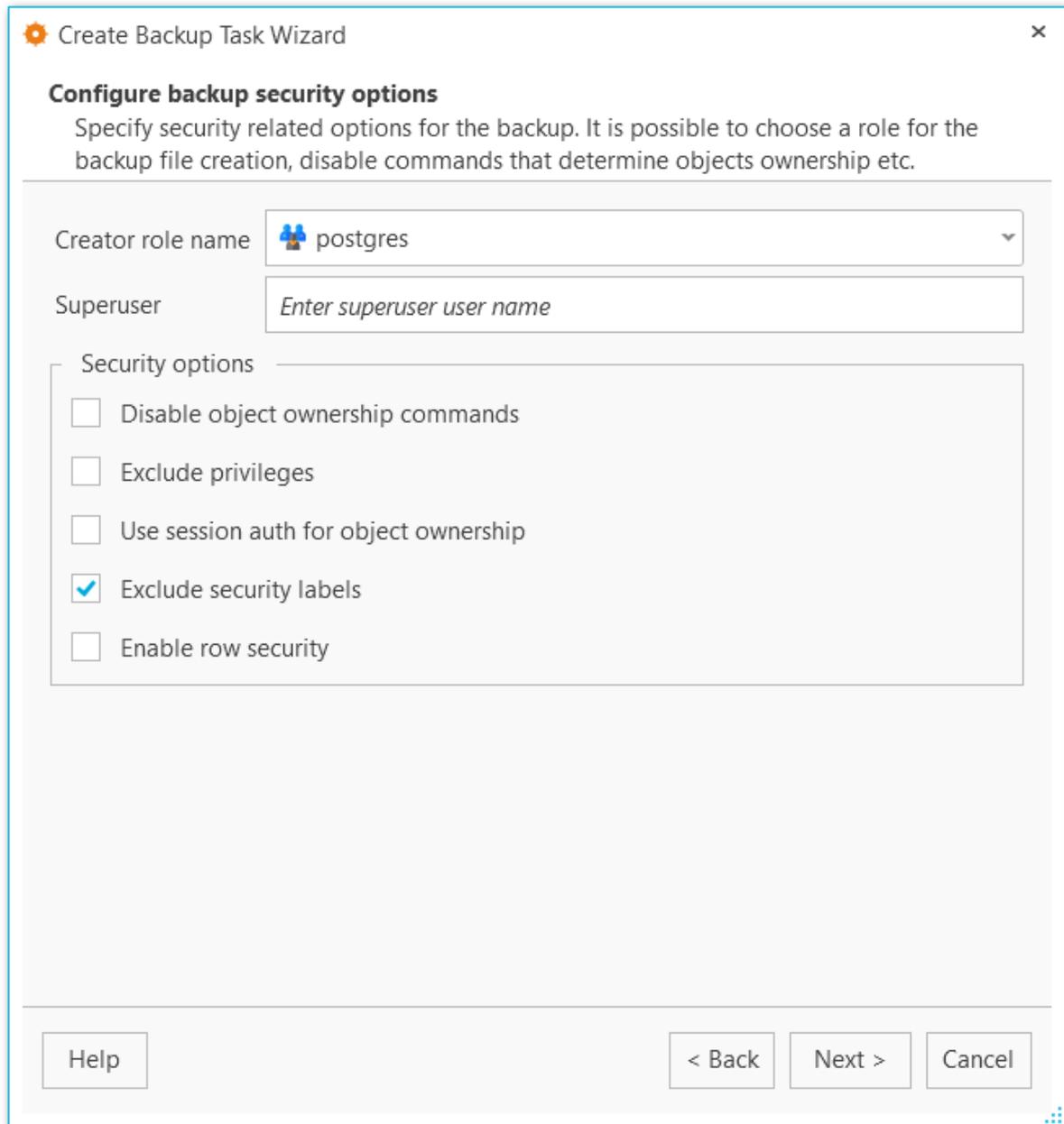
Set security-related options for the target backup file.

Creator role name

Set the role to be used on creating the dump.

Superuser

Set the superuser name to disable triggers successfully.



The screenshot shows a dialog box titled "Create Backup Task Wizard" with a close button (X) 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." The dialog contains several input fields and a list of checkboxes:

- "Creator role name" is a dropdown menu showing "postgres" with a user icon.
- "Superuser" is a text input field containing the placeholder text "Enter superuser user name".
- A section titled "Security options" contains a list of 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, there are four buttons: "Help", "< Back", "Next >", 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](#)

[Next step >>](#)

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 a window titled "Create Backup Task Wizard" with a close button (X) in the top right corner. The main heading is "Manage backup task schedules and launches history". Below the heading is a descriptive text: "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." The "Schedules" section contains a list with one item, "DailySchedule", highlighted in blue. To the right of the list are three icons: a green plus sign (+), a yellow pencil (edit), and a red X (delete). Below the list is a checkbox labeled "Task is scheduled in UTC" which is checked. The "Cleanup strategy for launches history" section has two radio button options: "Remove launches after" (selected) with a numeric spinner set to "180" and the unit "day(s)", and "Keep only" with a numeric spinner set to "10" and the unit "recent launch(es)". Below this is another checked checkbox labeled "Remove related backup files from storages". At the bottom of the window are four buttons: "Help", "< Back", "Next >", and "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.

[<< Previous step](#)

[Next step >>](#)

3.2.11 Adding notifications

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

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.

[<< Previous step](#)

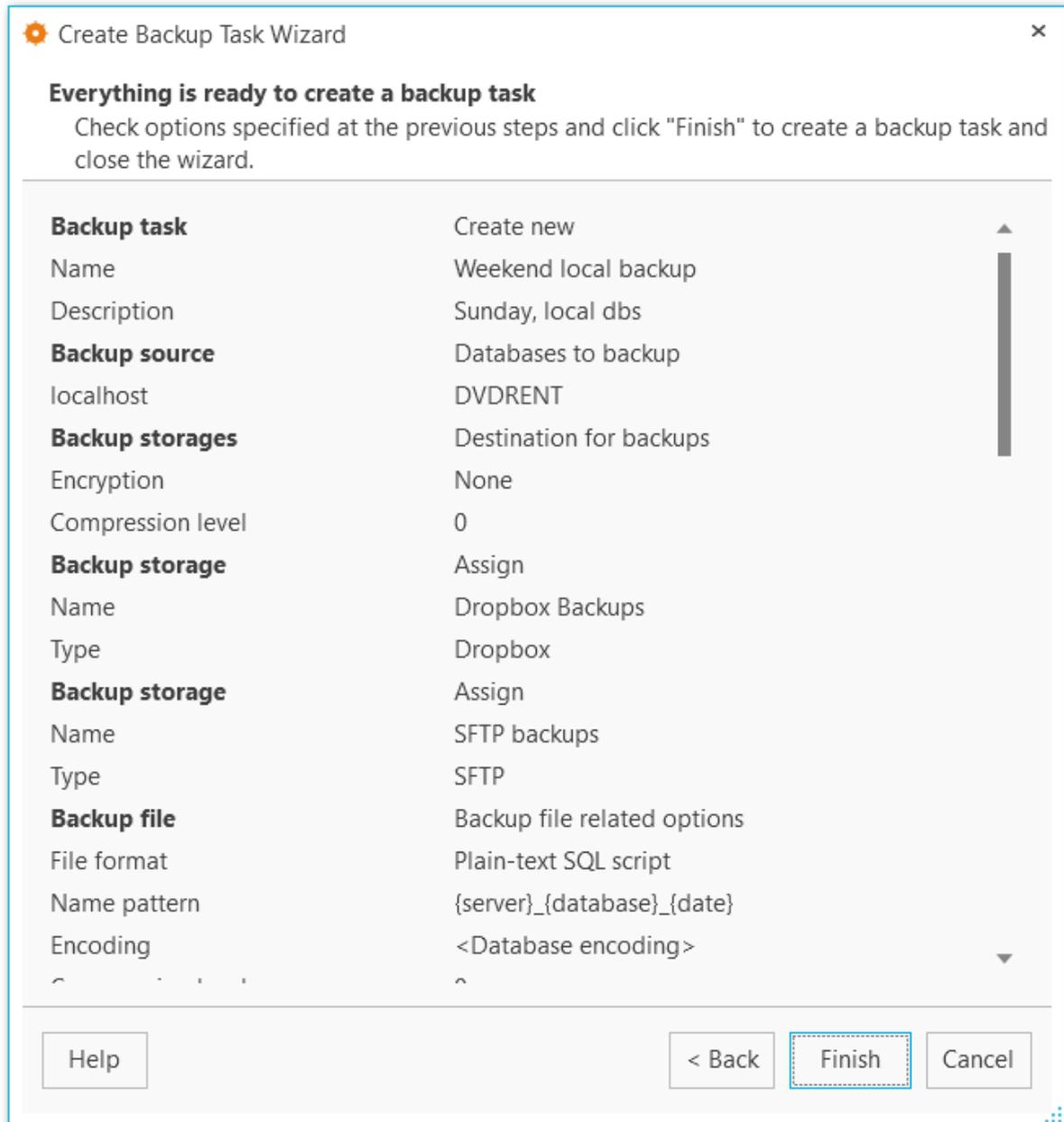
[Next step >>](#)

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.



[<< 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](#)

See also:

[Create task wizard](#)

[Executing tasks](#)

3.3.1 General settings

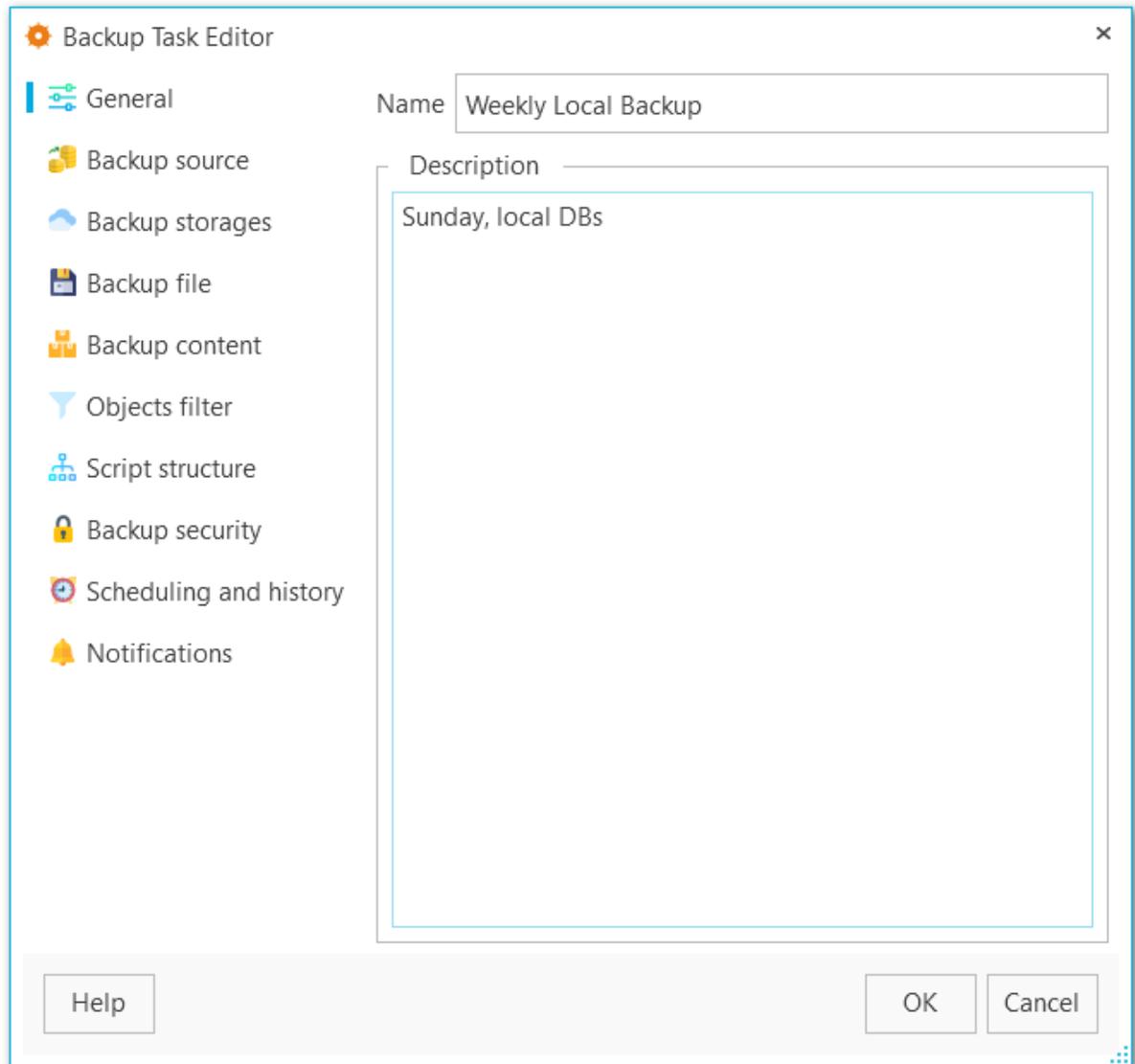
This tab allows you to view and edit details for the backup task.

Name

Set the backup task name.

Description

Edit the description for the backup task if needed.



3.3.2 Backup source

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

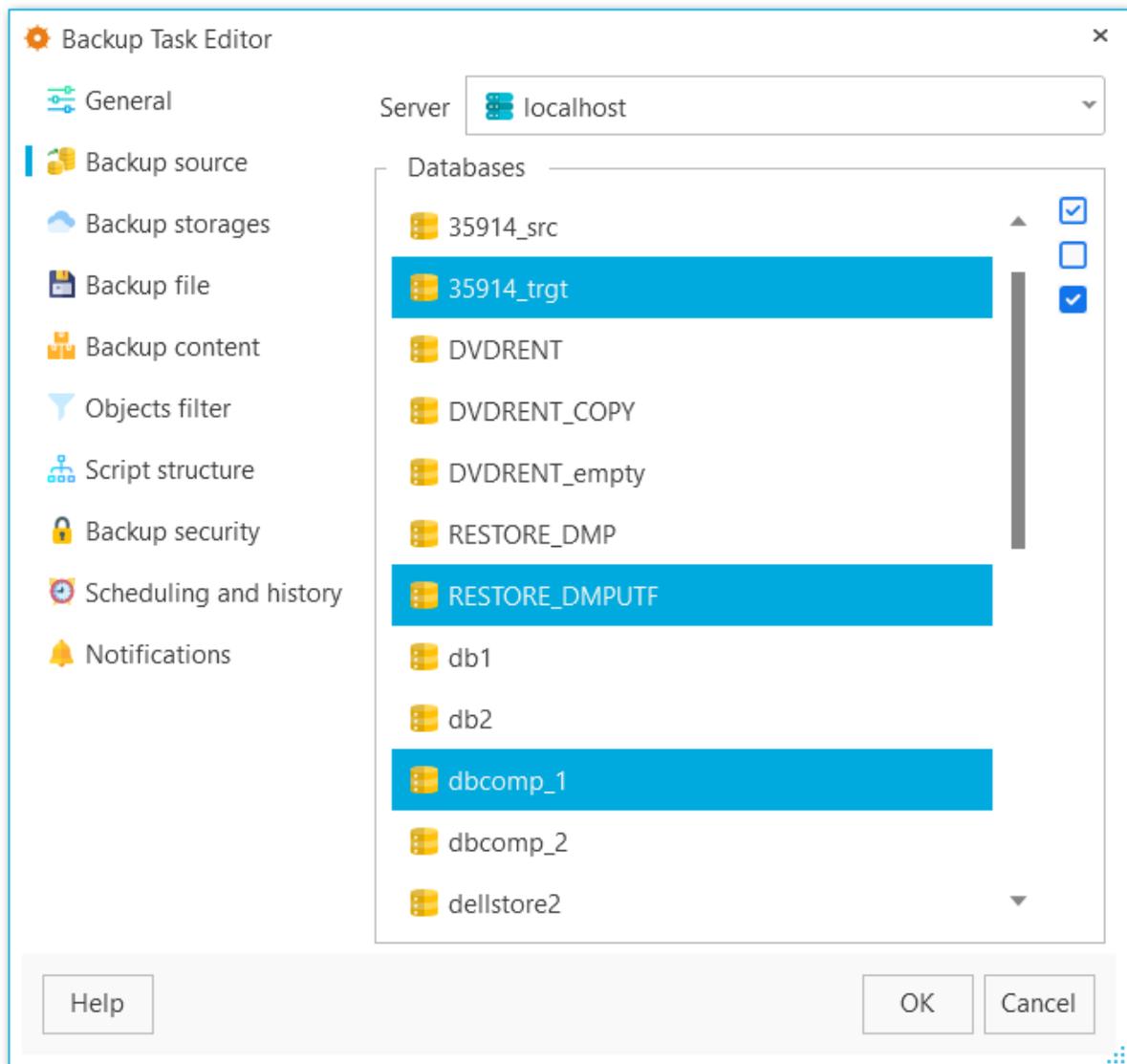
Use the **Select All** or **Unselect All** buttons to select or unselect all the databases at once. The **Invert Selection** button allows you to reverse the database selection.

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

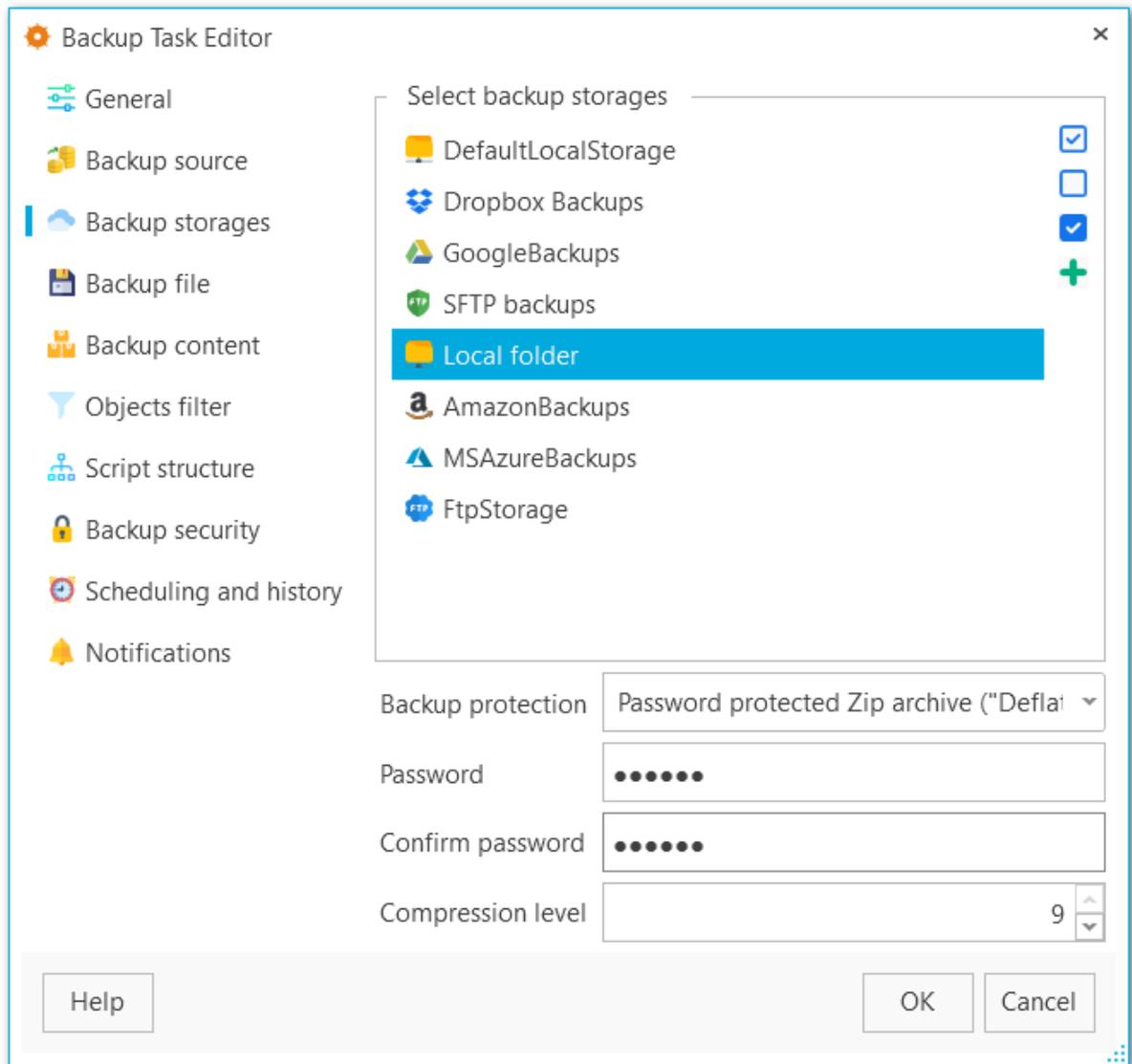
Set the password for backup files.

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

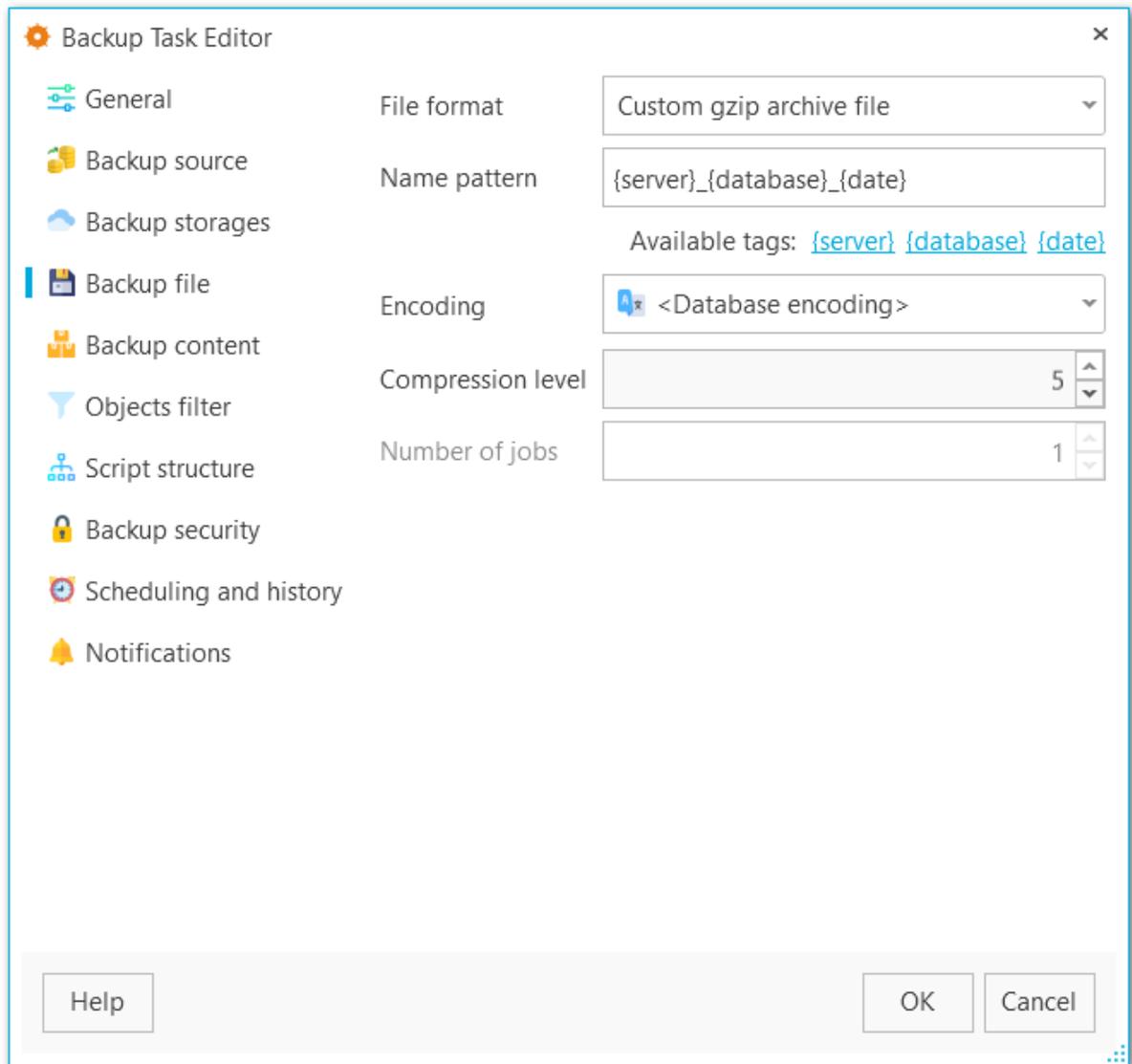
Use the drop-down list to select the character set encoding for the output file.

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.



3.3.5 Backup content

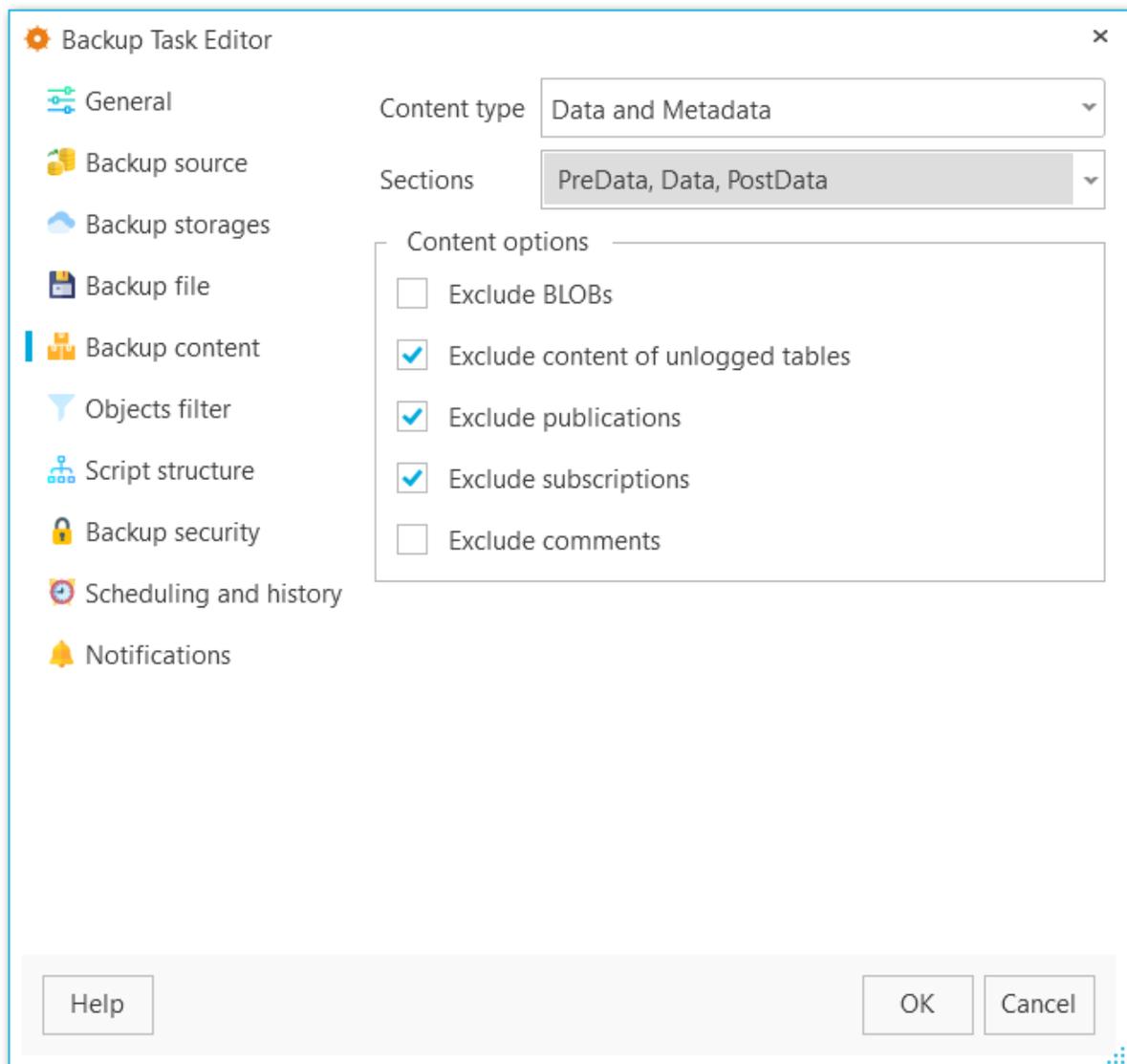
At this tab you can view and edit type of data that must be backed up.

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

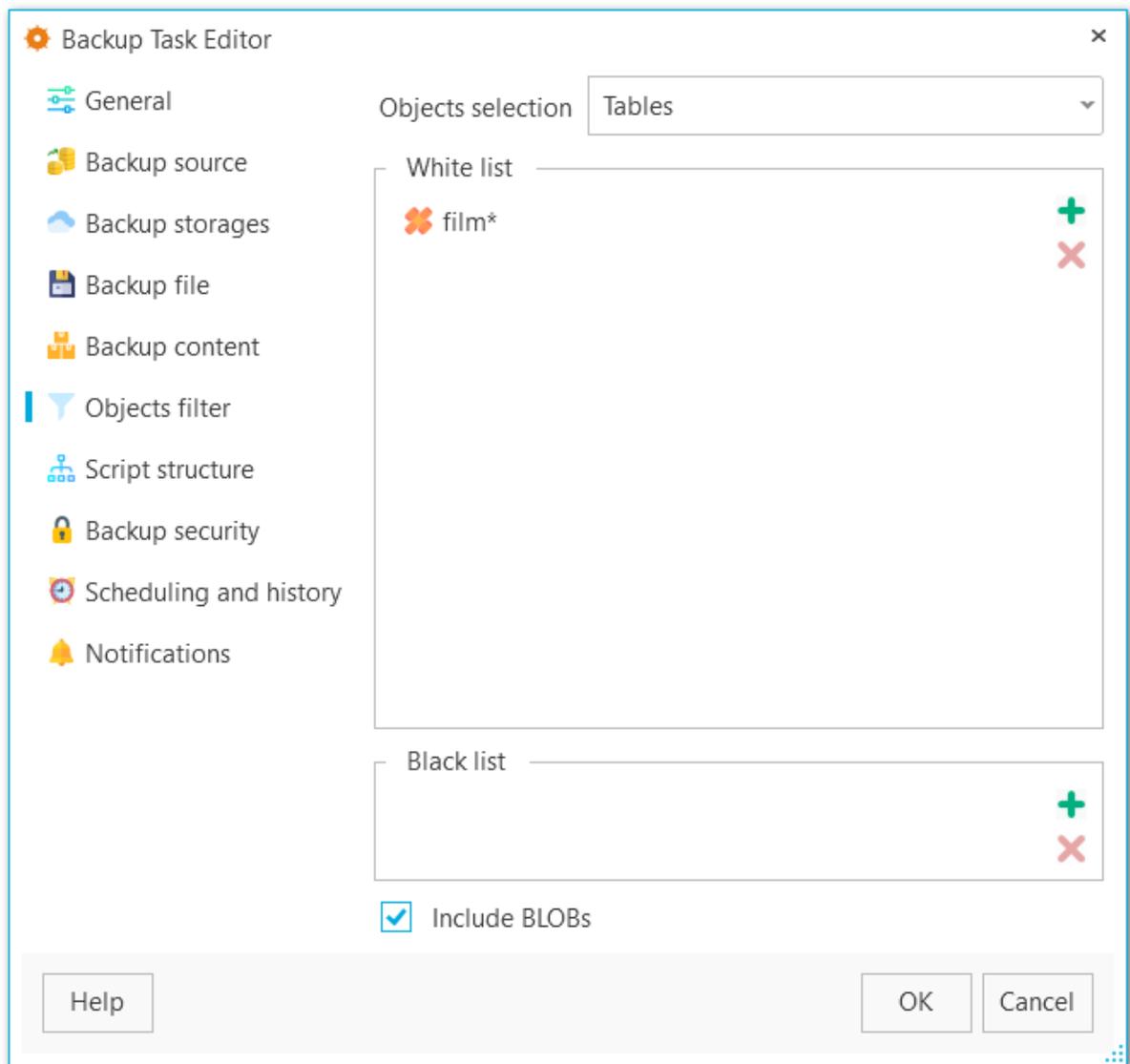
Add object name patterns. Objects matching the pattern will not be backed up.

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

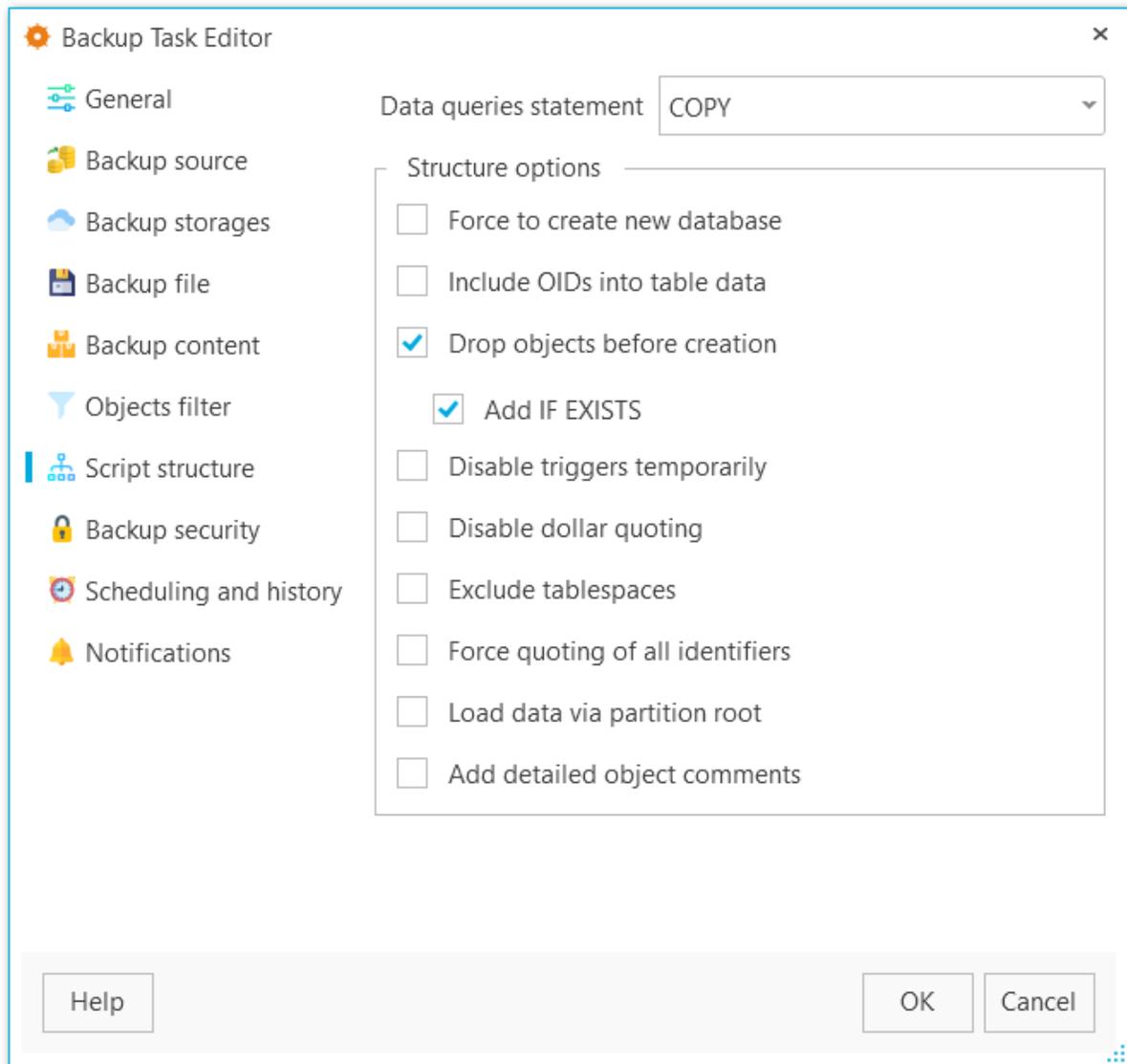
Dump data as COPY command. This is the fastest way to restore data.

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

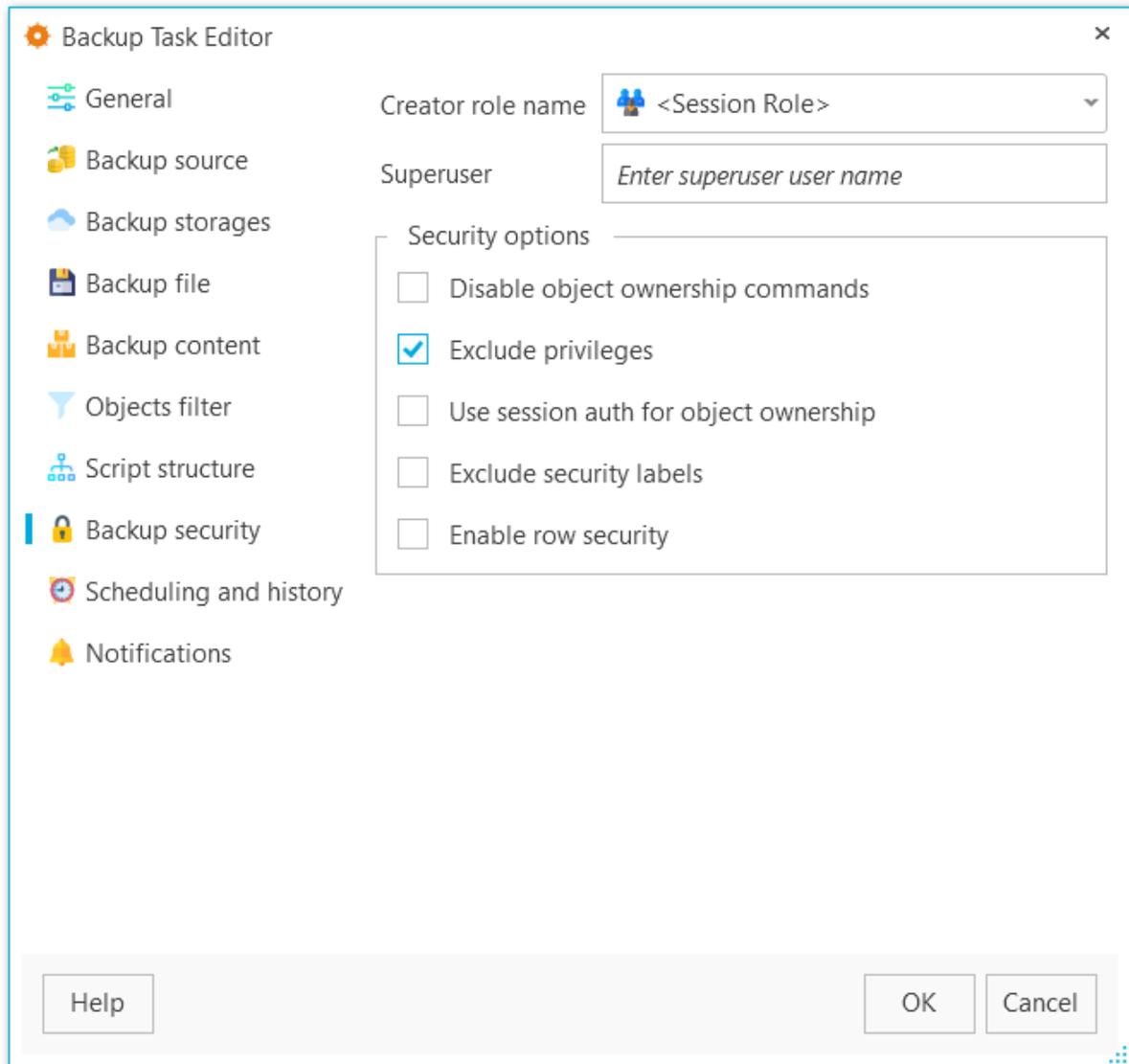
This tab allows editing security-related options for the target backup file.

Creator role name

Set the role to be used on creating the dump.

Superuser

Set the superuser name to disable triggers successfully.



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

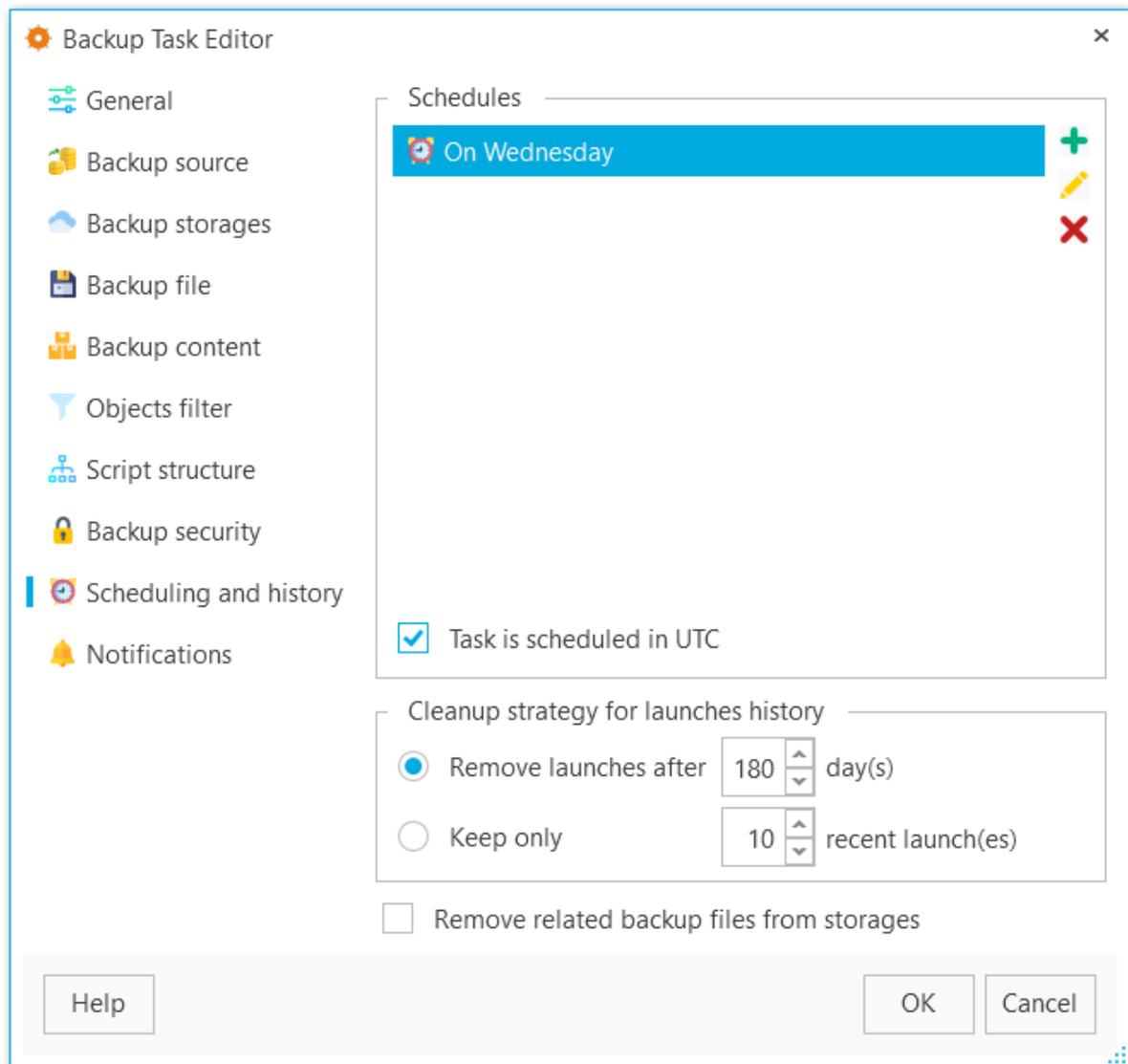
At this tab you can change schedules for the scheduled backup task.

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.

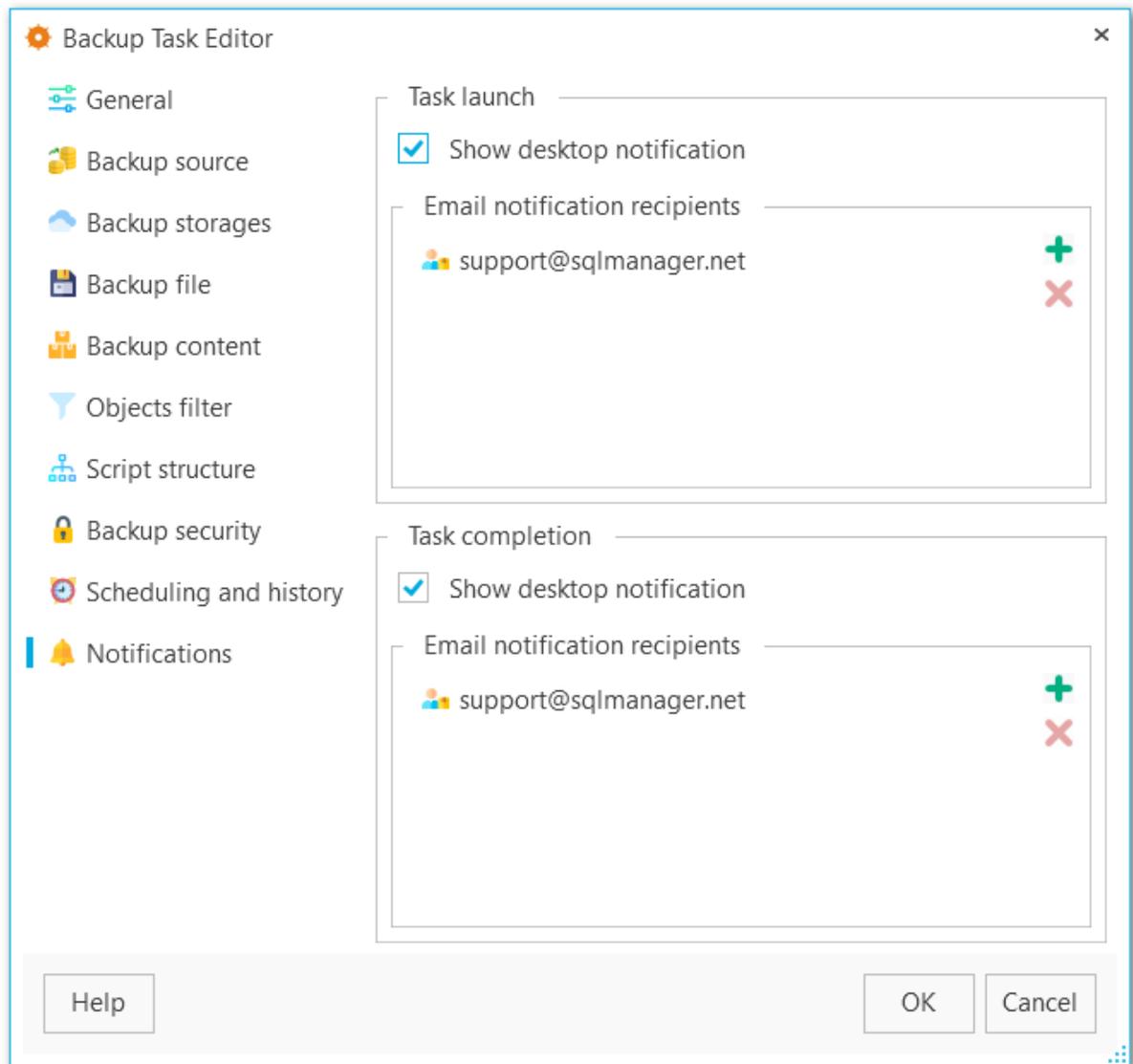
Task launch

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:

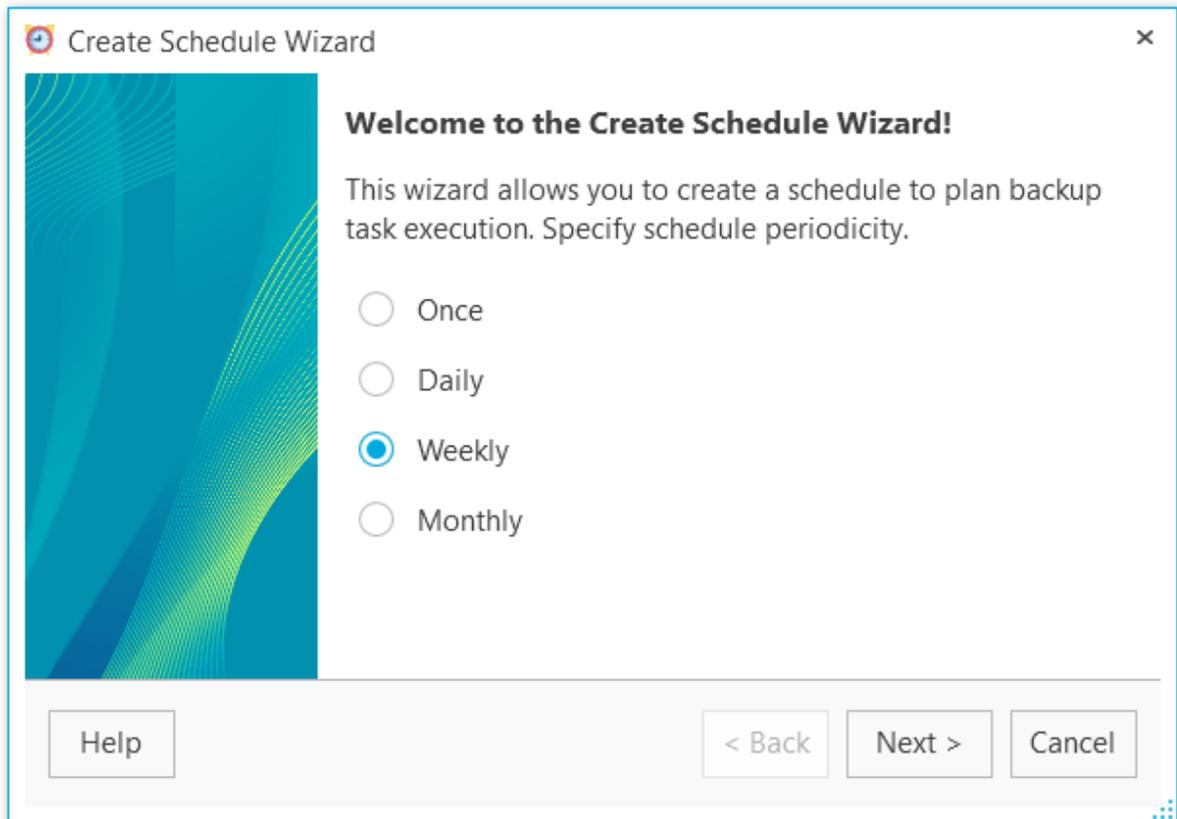
[Create task wizard](#)

[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.

Create Schedule Wizard

Set the name for the schedule

Set the schedule name. Optionally you can add schedule description.

Name Sunday noon

Description
for weekly weekend backup

Help < Back Next > 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 dialog box 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 date field containing "Saturday, January 1, 2022" with up and down arrow buttons.
- Till:** A checked checkbox followed by a date field containing "Saturday, December 31, 2022" with up and down arrow buttons.
- Run at:** A time field containing "12:00 AM" with up and down arrow buttons.
- Repeat each:** A spinner box containing "1" followed by the text "week(s) on" and a dropdown menu currently showing "Monday".

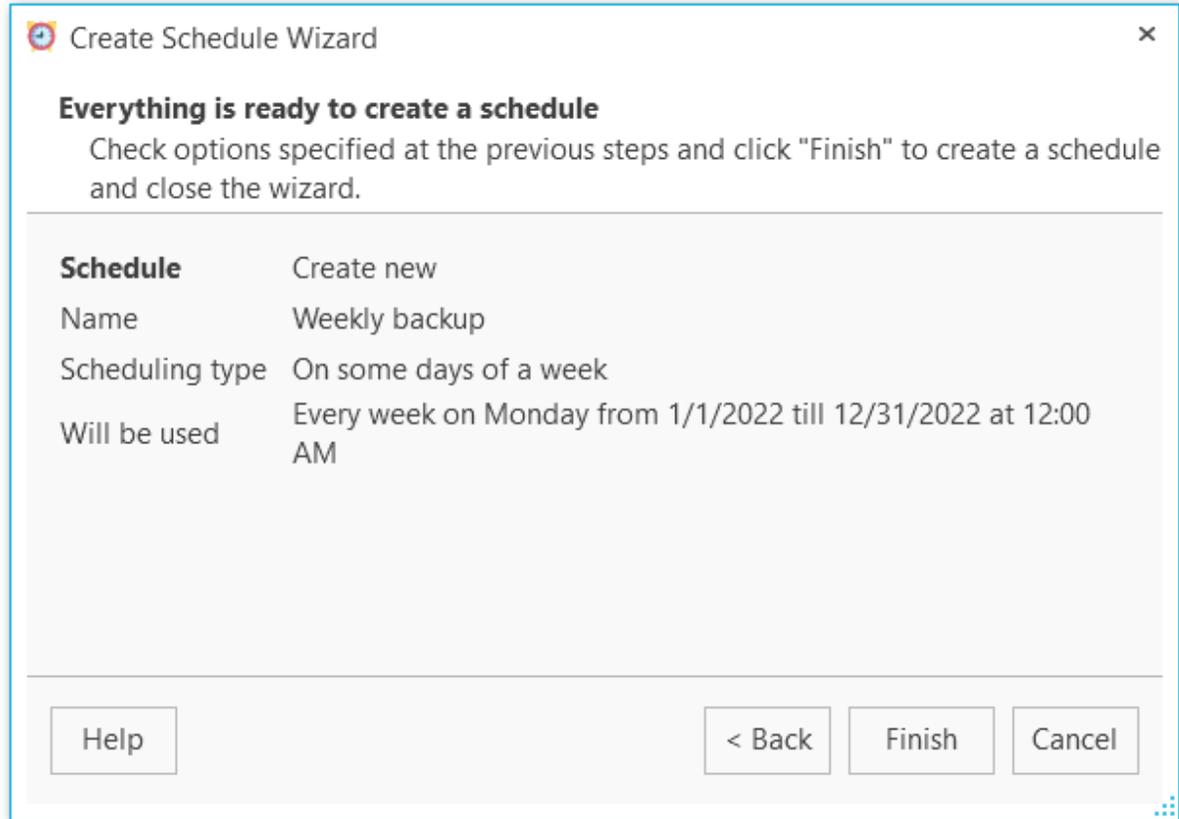
At the bottom of the dialog, there are four buttons: "Help", "< Back", "Next >", and "Cancel".

[<< Previous step](#)

[Next step >>](#)

3.4.4 Performing operation

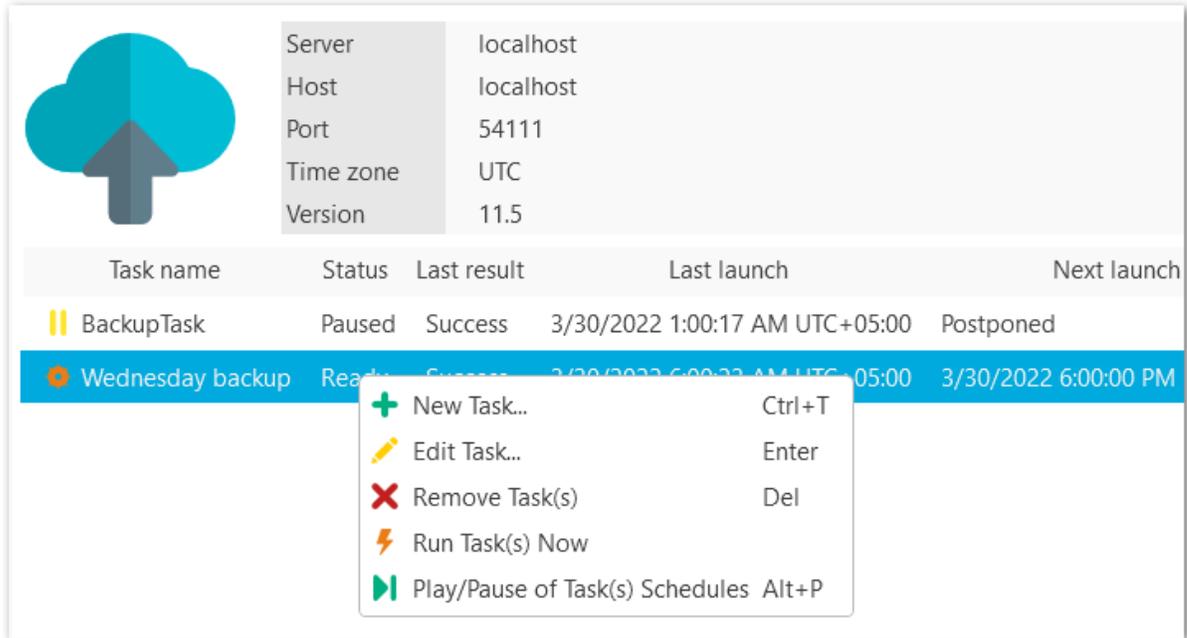
At this step you can check the necessary options and click **Finish** to create the schedule.



[<< Previous step](#)

3.5 Executing tasks

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



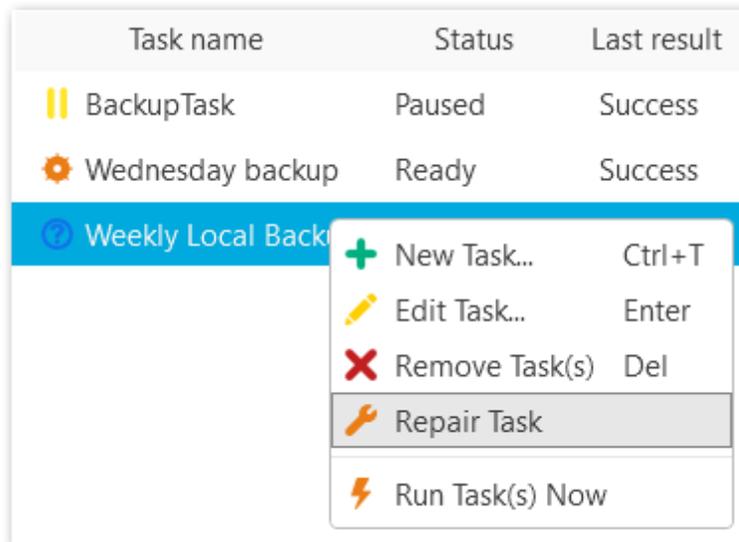
The screenshot shows the main program window with a server icon on the left and a table of server details on the right. Below the details is a table of tasks. A context menu is open over the 'Wednesday backup' task, showing options: New Task..., Edit Task..., Remove Task(s), Run Task(s) Now, and Play/Pause of Task(s) Schedules.

Server	localhost
Host	localhost
Port	54111
Time zone	UTC
Version	11.5

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

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.



The screenshot shows a table of tasks with a context menu open over the 'Weekly Local Backup' task. The 'Repair Task' option is highlighted in the menu.

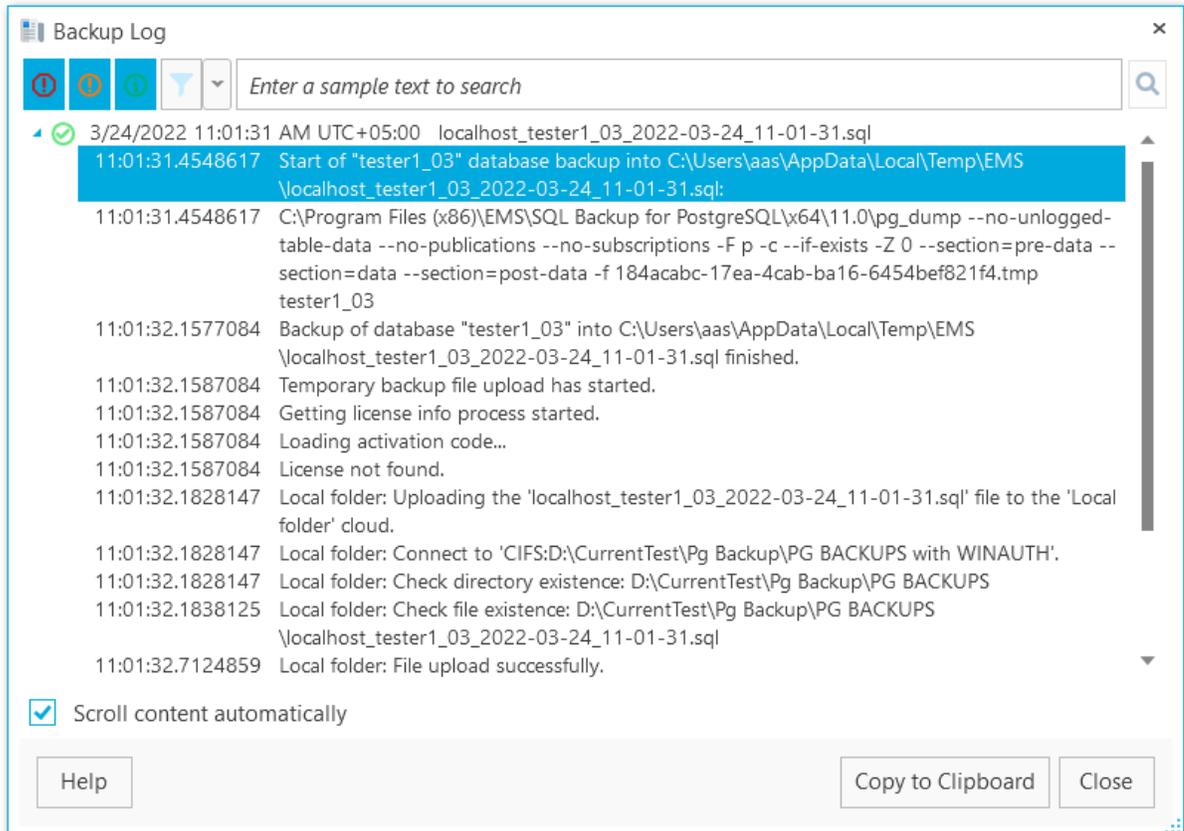
Task name	Status	Last result
BackupTask	Paused	Success
Wednesday backup	Ready	Success
Weekly Local Backup	Unscheduled	Unscheduled

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.

Filter:

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.

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

Show Log Enter
Get Backup
Quick Restore

File name

The name of the downloading backup file.

Path

The location of the backup file.

Get Backup
✕

File name

Path

Notify about operation completion

Help
OK
Cancel

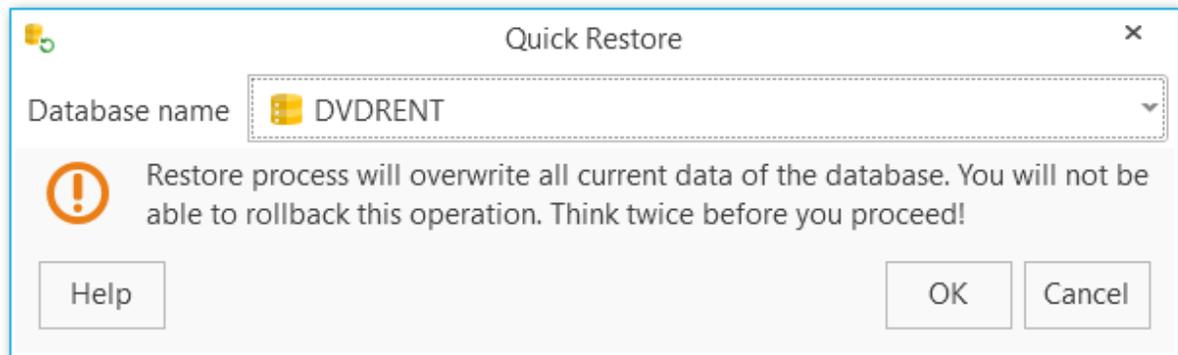
Notify about operation completion

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

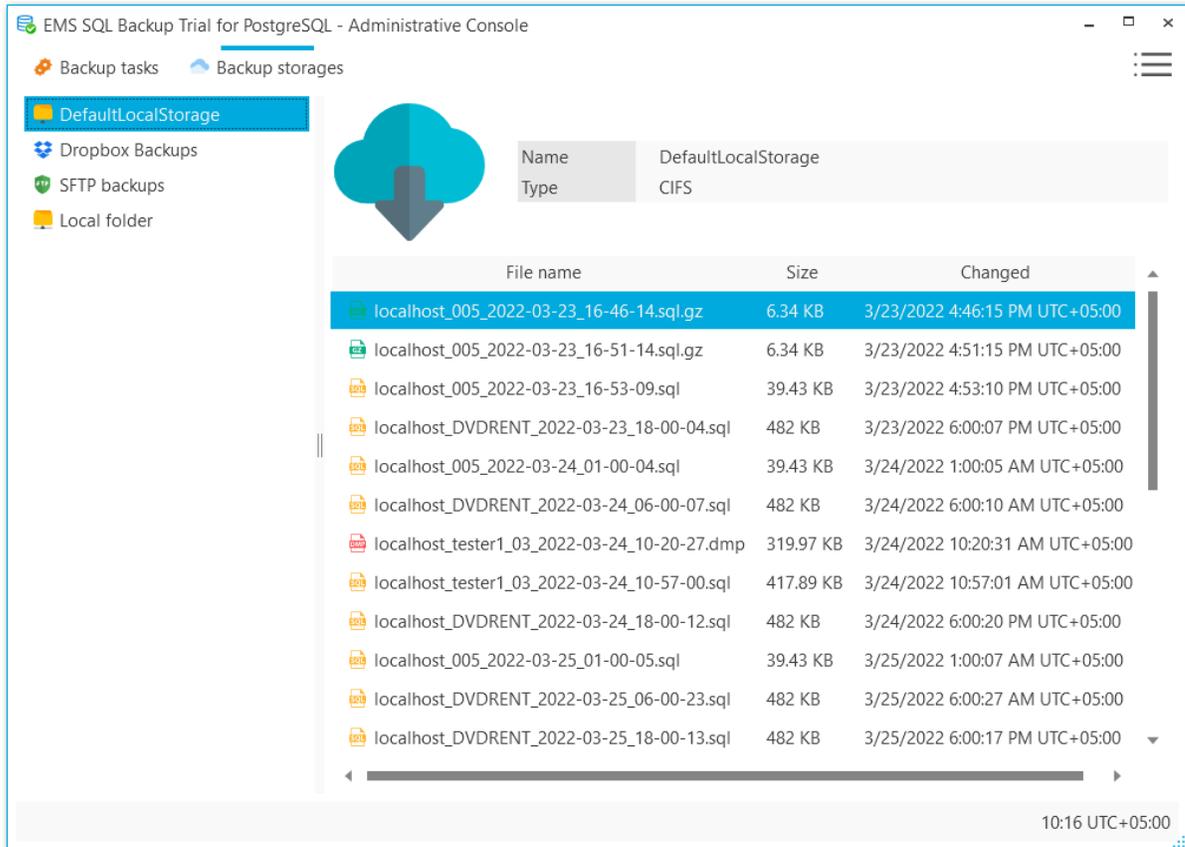
Select the name of the database to be restored.

Part



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\\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.

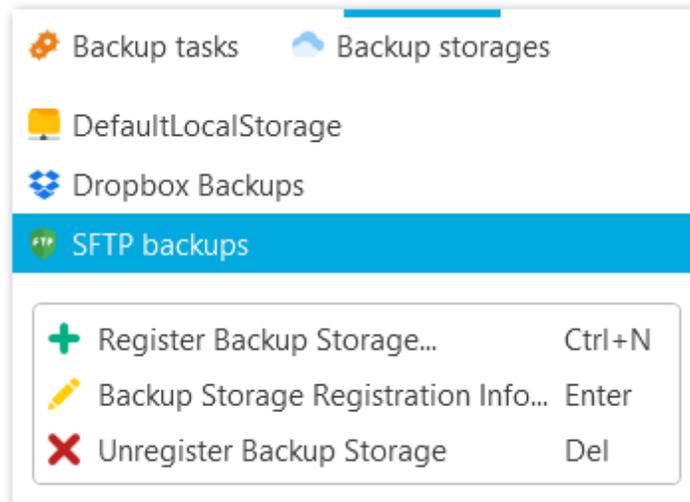
See also:

[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](#)

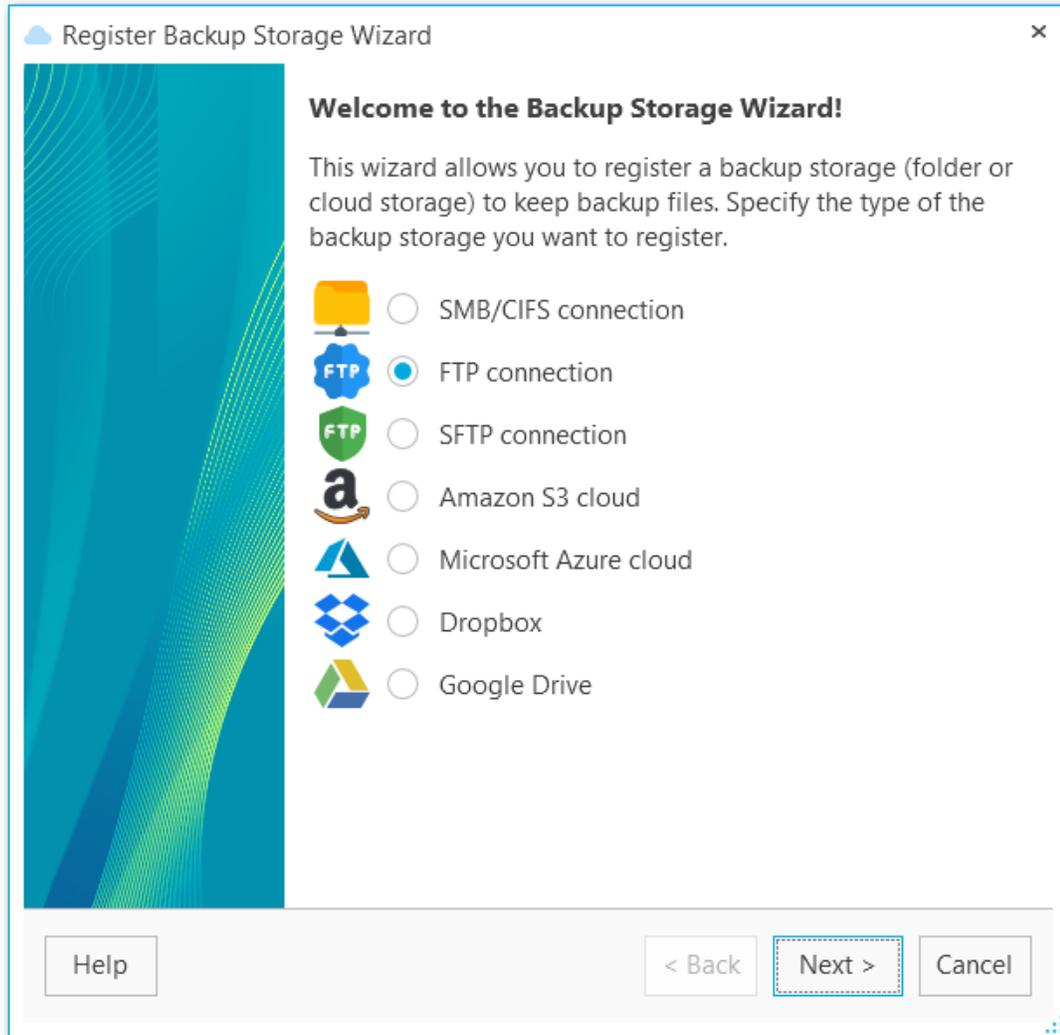
[Performing operation](#)

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.

Register Backup Storage Wizard

Specify backup storage name
Set the name for the backup storage. Optionally you can add storage description.

Name PG Dropbox storage

Description
for store databases

Help < Back Next > 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.

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

Use Windows authentication

Login

Password

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.

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: 192.18.66.48 Port: 21

Path: Backups

Login anonymously

Login: StorageKeeper

Password: ●●●●●●●

Timeout: 60

Protocol: Standard Mode: Passive (PASV)

Connect using proxy server

Help Test connection < Back Next > 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 screenshot shows a dialog box titled "Register Backup Storage Wizard" with a close button (X) in the top right corner. The main heading is "Specify backup storage settings" followed by the instruction: "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: "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 seven dots, and "Timeout" with a spinner set to "20". There is an unchecked checkbox labeled "Connect using proxy server". At the bottom, there are five buttons: "Help", "Test connection", "< Back", "Next >", 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.

[<< 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'.

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.

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: KSDsppJkrFFP34PozYqcBEUF9NaN7+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

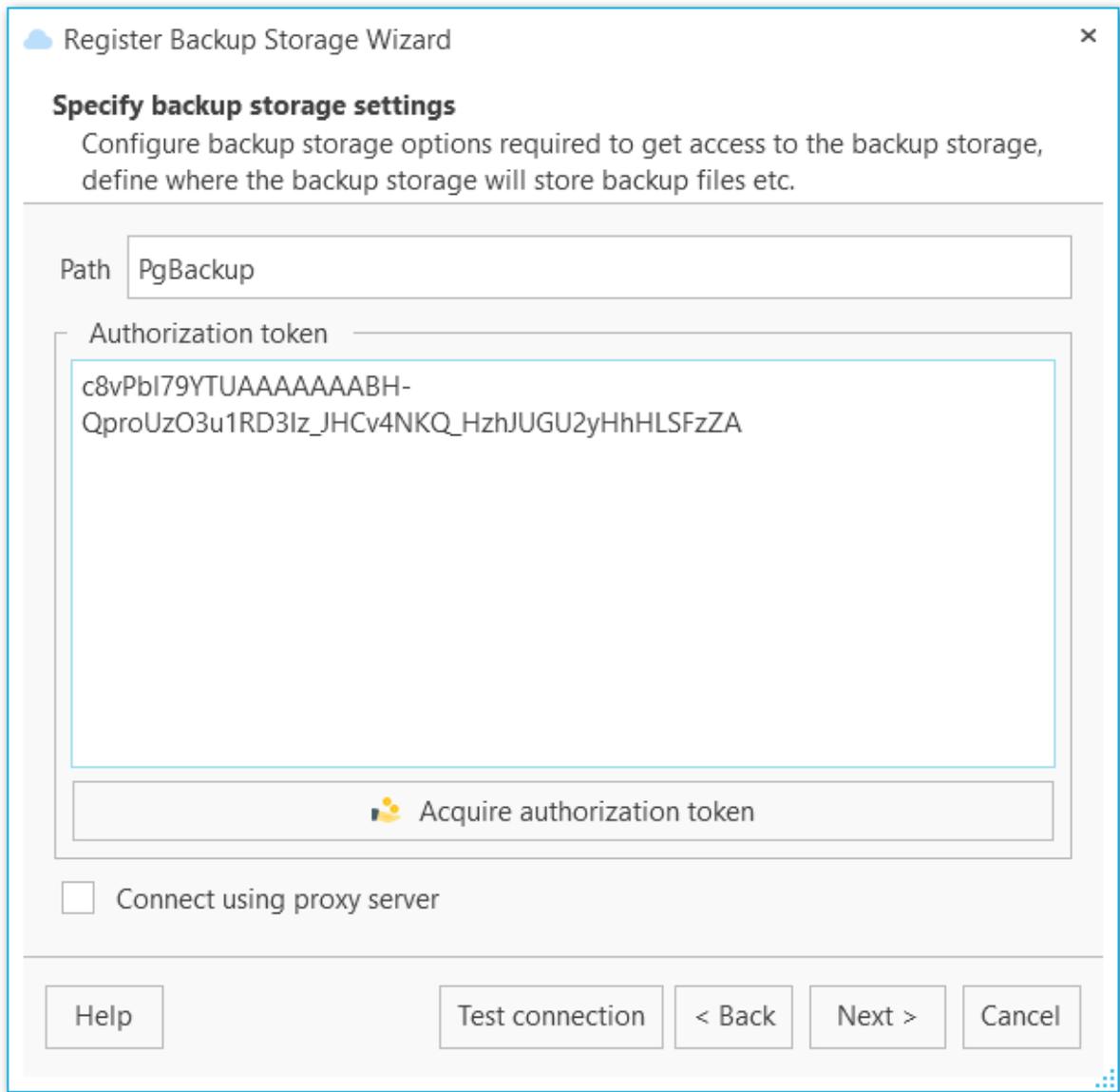
Use this step to configure connection to Dropbox account.

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.



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

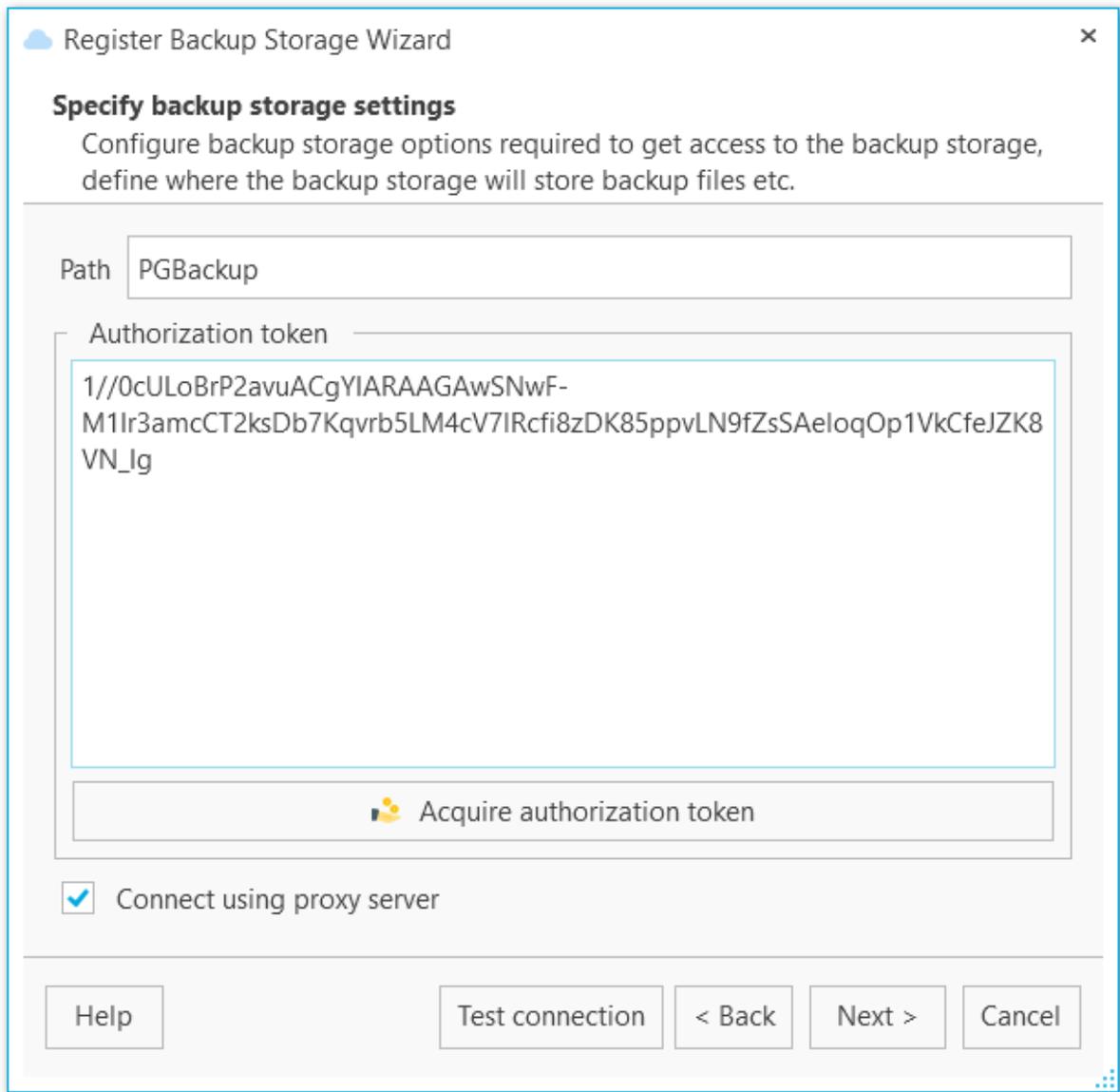
Use this step to configure connection to Google Drive account.

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.



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

Authorization token

 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.

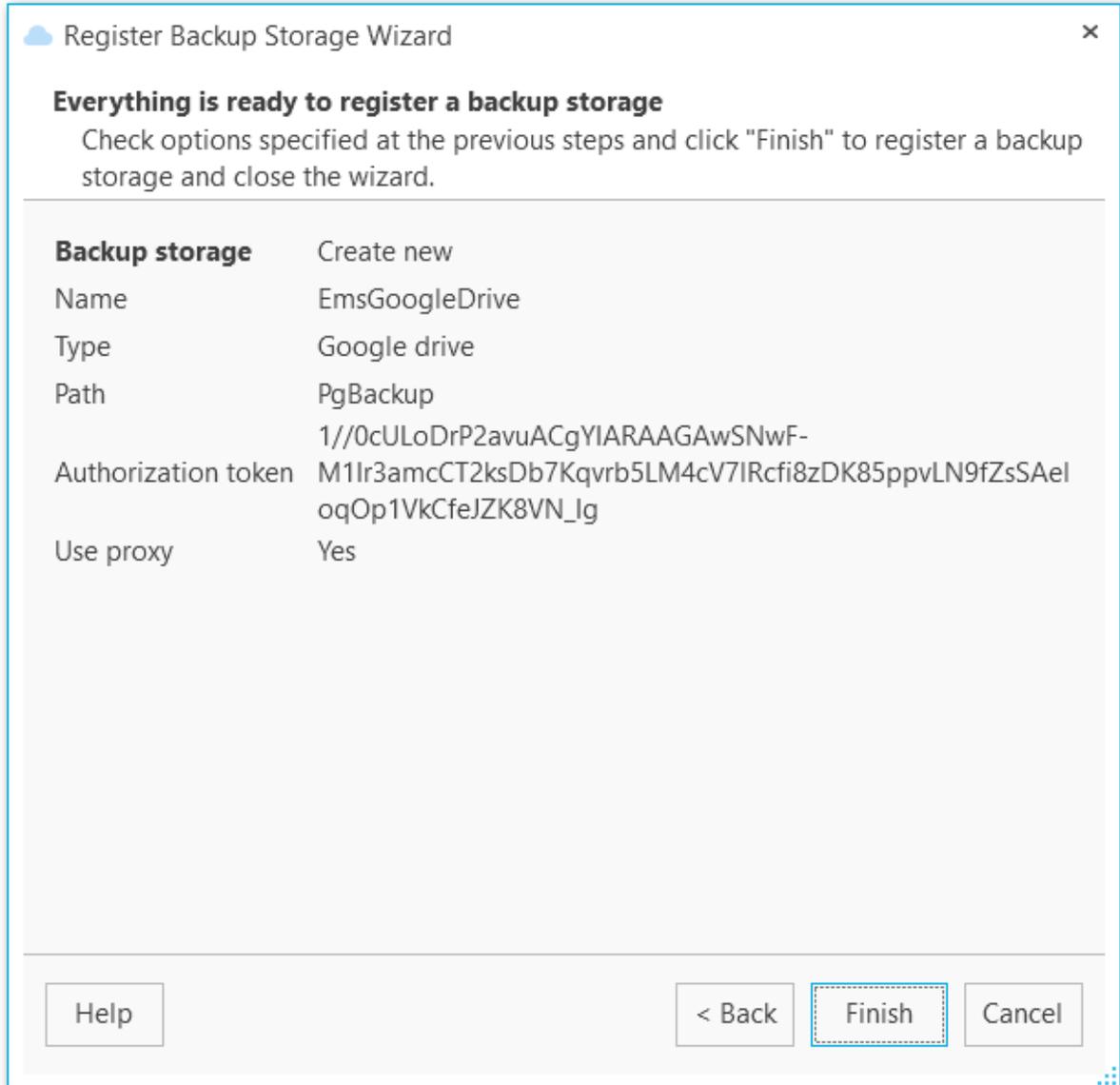
Click the **Test connection** button to check connection to the selected folder with the settings defined above.

[<< Previous step](#)

[Next step >>](#)

4.1.10 Performing operation

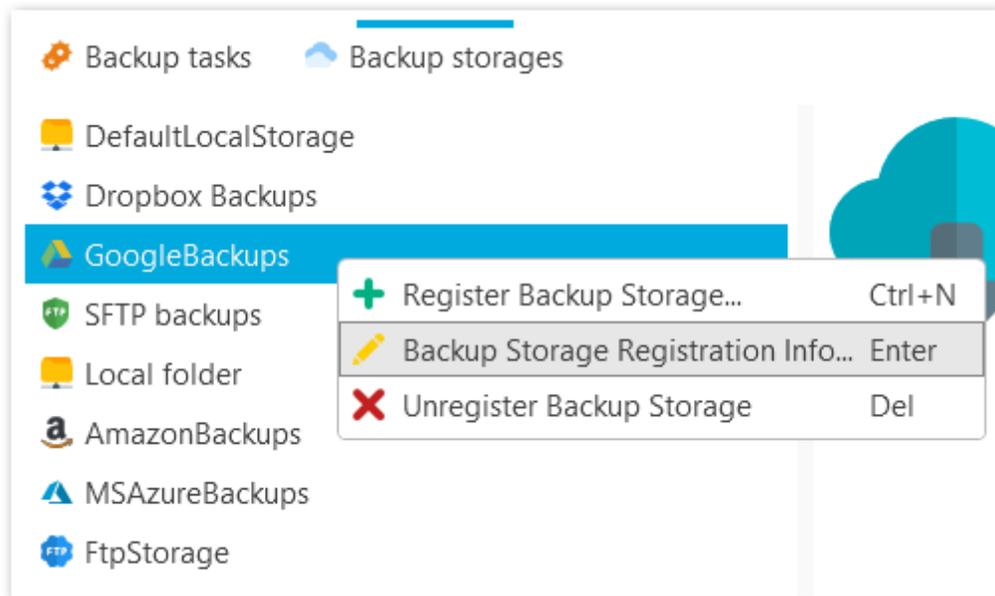
This step informs you that all necessary options have been set, you can view the result summary and click **Finish** button to create the backup storage.



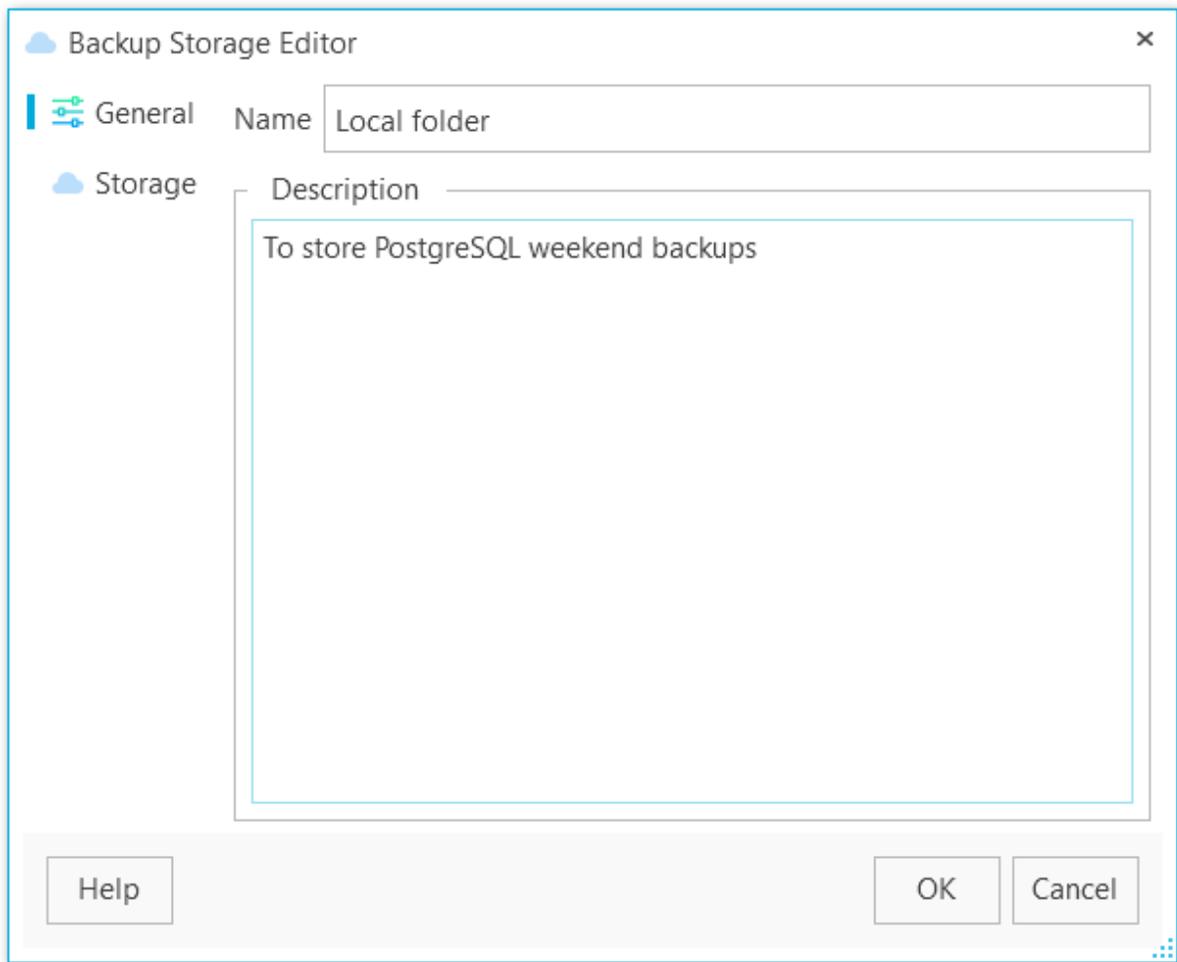
4.2 Backup storage editor

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](#)

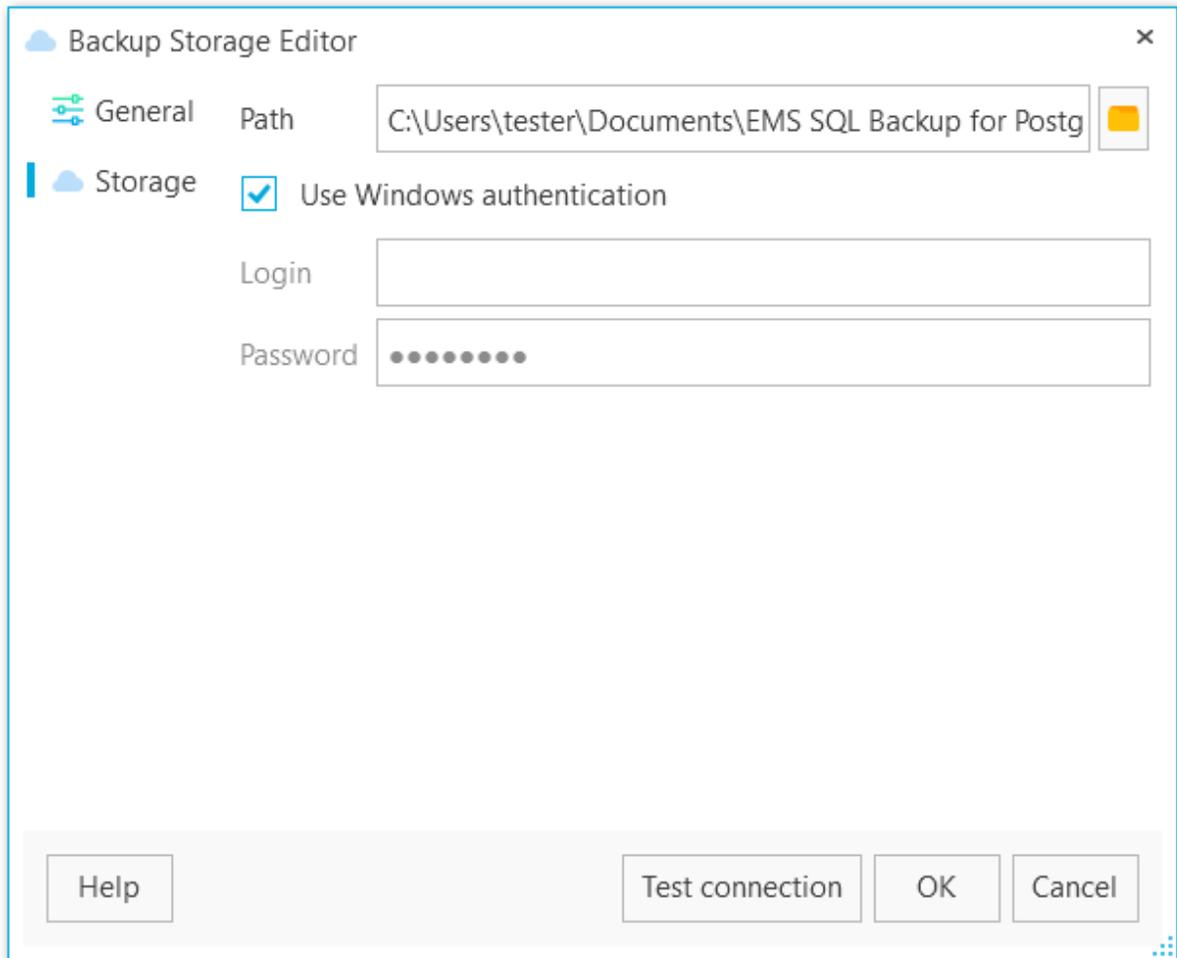
[Google drive storage info](#)

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 contains '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.

Tab	Field/Option	Value
General	Path	C:\Users\tester\Documents\EMS SQL Backup for Postg
	Select folder button	Yellow square
Storage	Use Windows authentication	<input checked="" type="checkbox"/>
	Login	
	Password	••••••••
Buttons		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

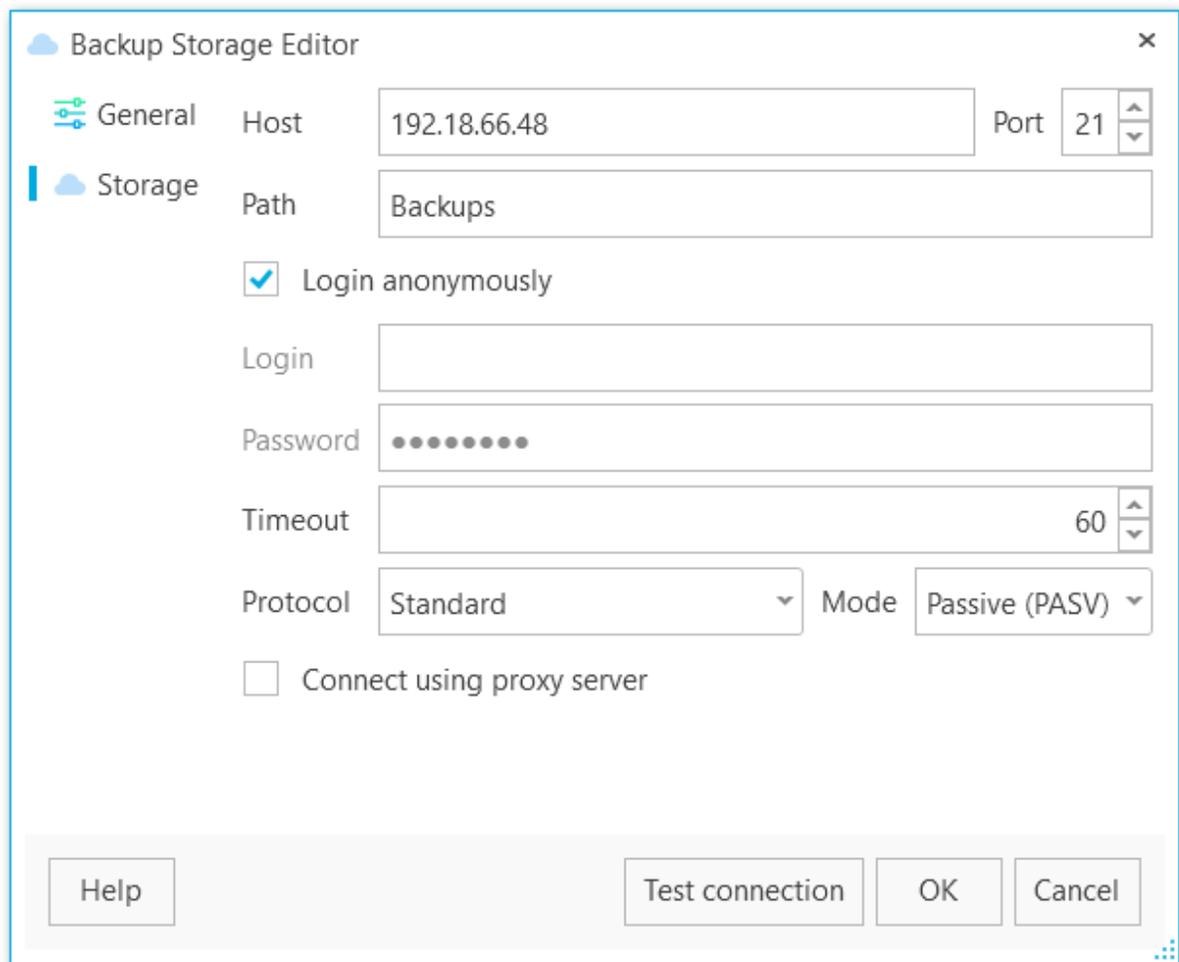
Specify the FTP server name or its IP.

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 settings are as follows:

- Host:** 192.18.66.48
- Port:** 21
- Path:** Backups
- Login anonymously
- Login:** (empty text field)
- Password:** (masked with dots)
- Timeout:** 60
- Protocol:** Standard
- Mode:** Passive (PASV)
- Connect using proxy server

Buttons at the bottom: Help, Test connection, OK, 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.

4.2.3 SFTP storage info

At this tab you can edit SFTP storage connection settings.

Host

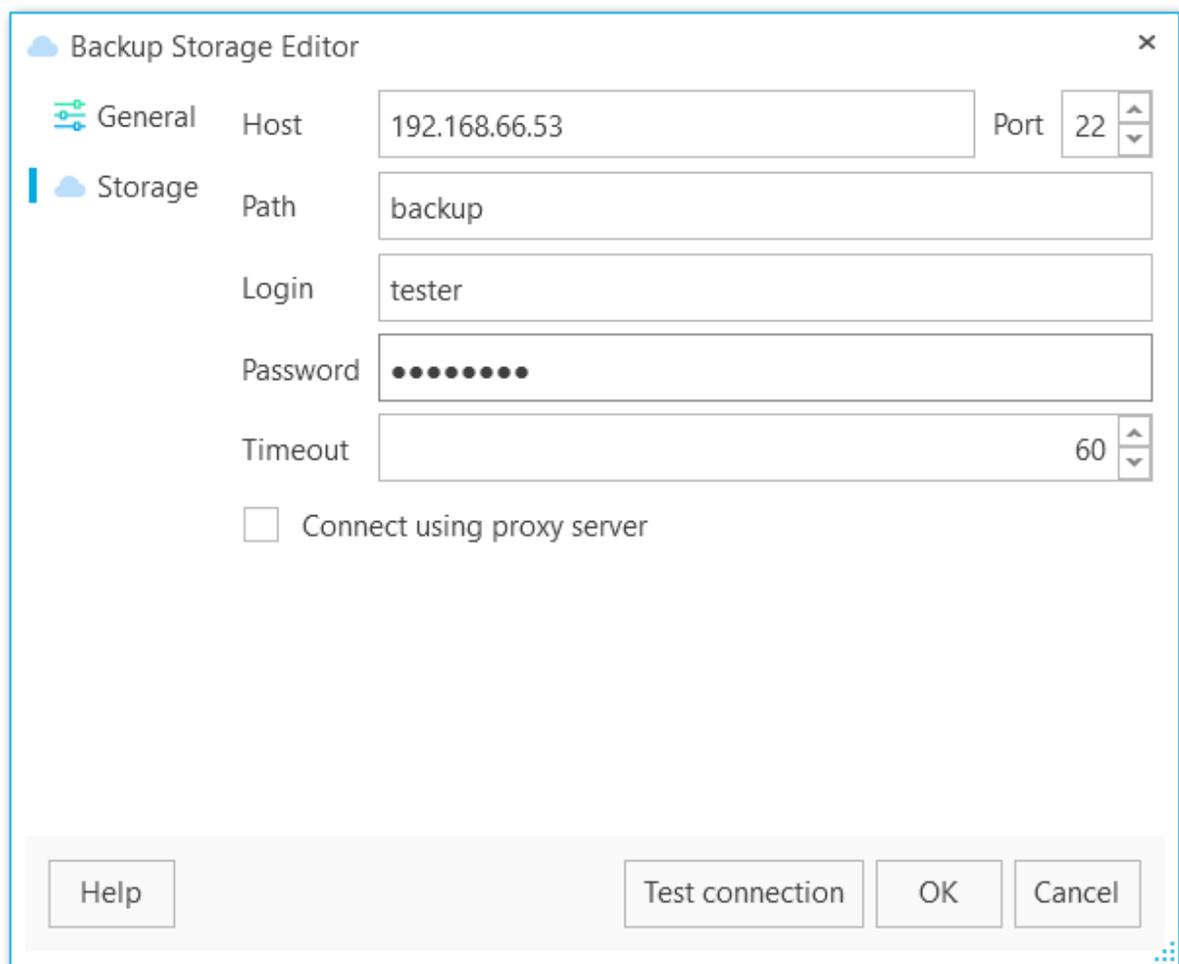
Input server name or its IP address.

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 a dialog box titled "Backup Storage Editor" with a close button (X) in the top right corner. The dialog is divided into two tabs: "General" and "Storage". The "Storage" tab is currently selected. The settings are as follows:

Field	Value
Host	192.168.66.53
Port	22
Path	backup
Login	tester
Password	••••••••
Timeout	60

There is an unchecked checkbox labeled "Connect using proxy server". 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

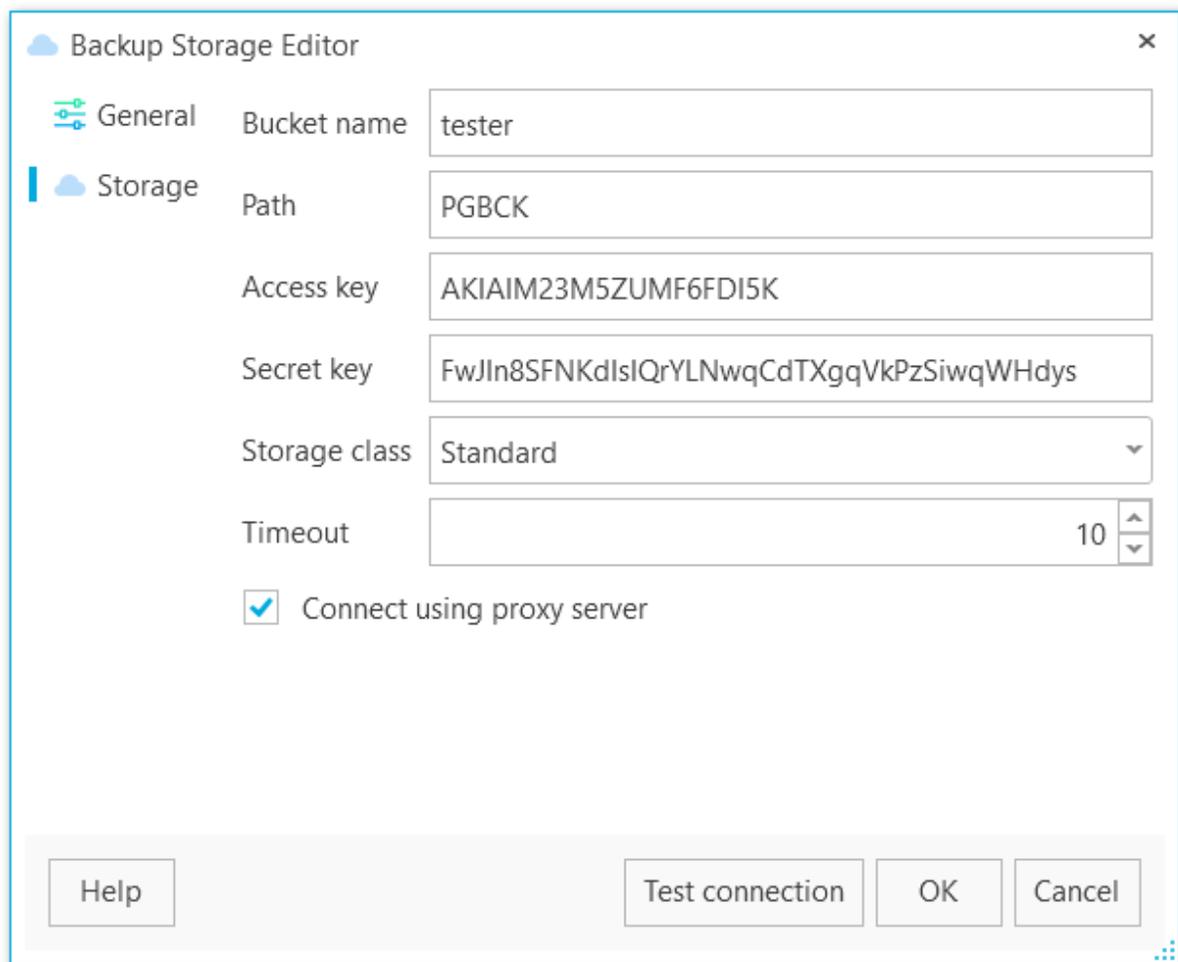
At this tab you can edit Amazon S3 cloud connection settings.

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 image shows a dialog box titled "Backup Storage Editor" with a close button (X) in the top right corner. On the left side, there is a sidebar with two tabs: "General" (selected) and "Storage". The "Storage" tab is active, showing the following fields:

- 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 numeric input field with "10" and up/down arrow buttons.
- Connect using proxy server:** A checked checkbox.

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', and the 'Get containers' button is visible. 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	Account name	tester
Storage	Account key	KSDsppJkrFFP34PozYqcBEUF9NaN7+rBIOekYPG
	Container name	pg_backup
	Timeout	60
	<input checked="" type="checkbox"/> Connect using proxy 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.

4.2.6 Dropbox storage info

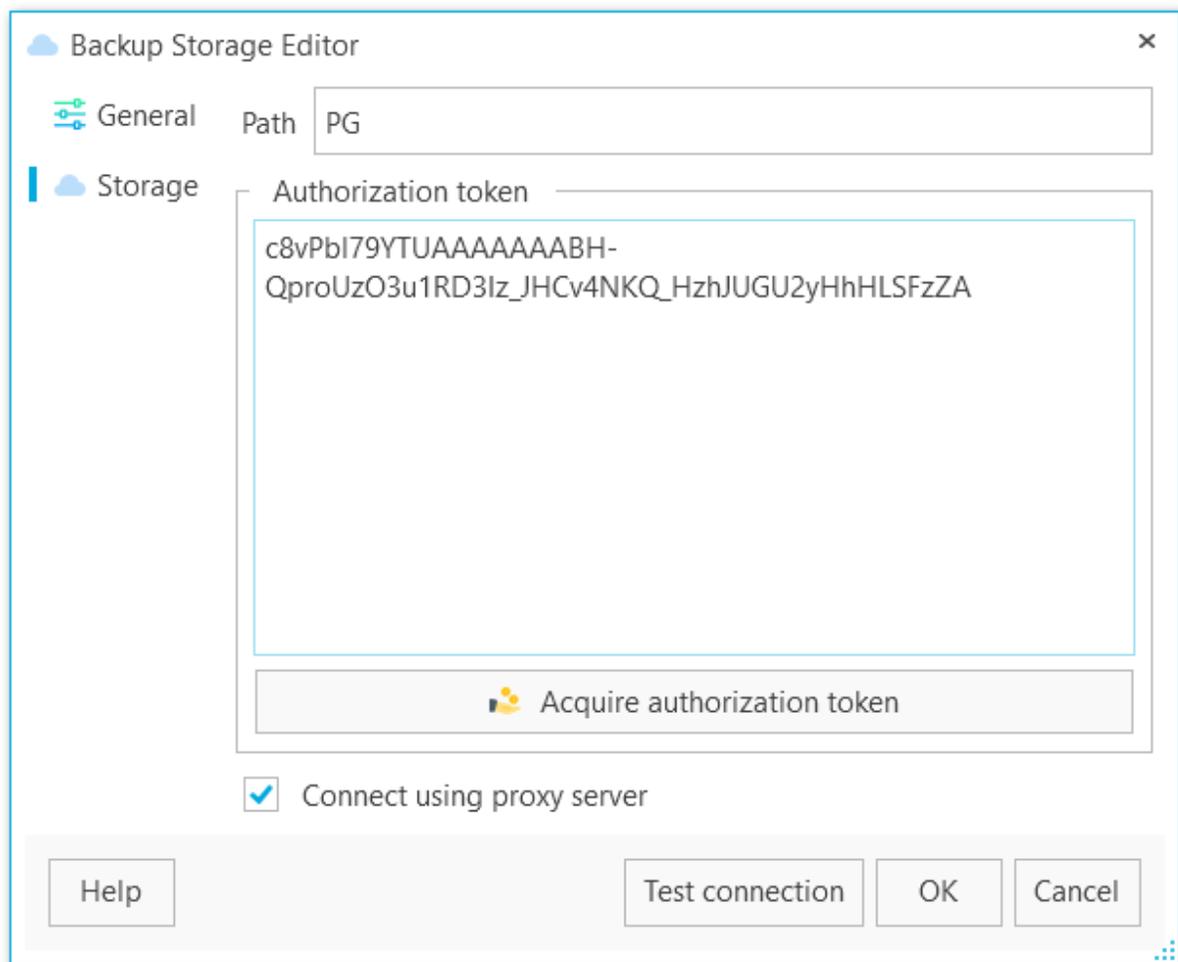
At this tab you can edit Dropbox connection settings.

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 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" (selected) and "Storage". The "Storage" tab is active, showing a "Path" field with the value "PG". Below the path field is a large text area labeled "Authorization token" containing the token: "c8vPbI79YTUAAAAAABH-QproUzO3u1RD3Iz_JHCv4NKQ_HzhJUGU2yHhHLSFzZA". Below the text area is a button labeled "Acquire authorization token" with a person icon. At the bottom of the dialog, there is a checked checkbox labeled "Connect using proxy server". At the very bottom, there are four buttons: "Help", "Test connection", "OK", and "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

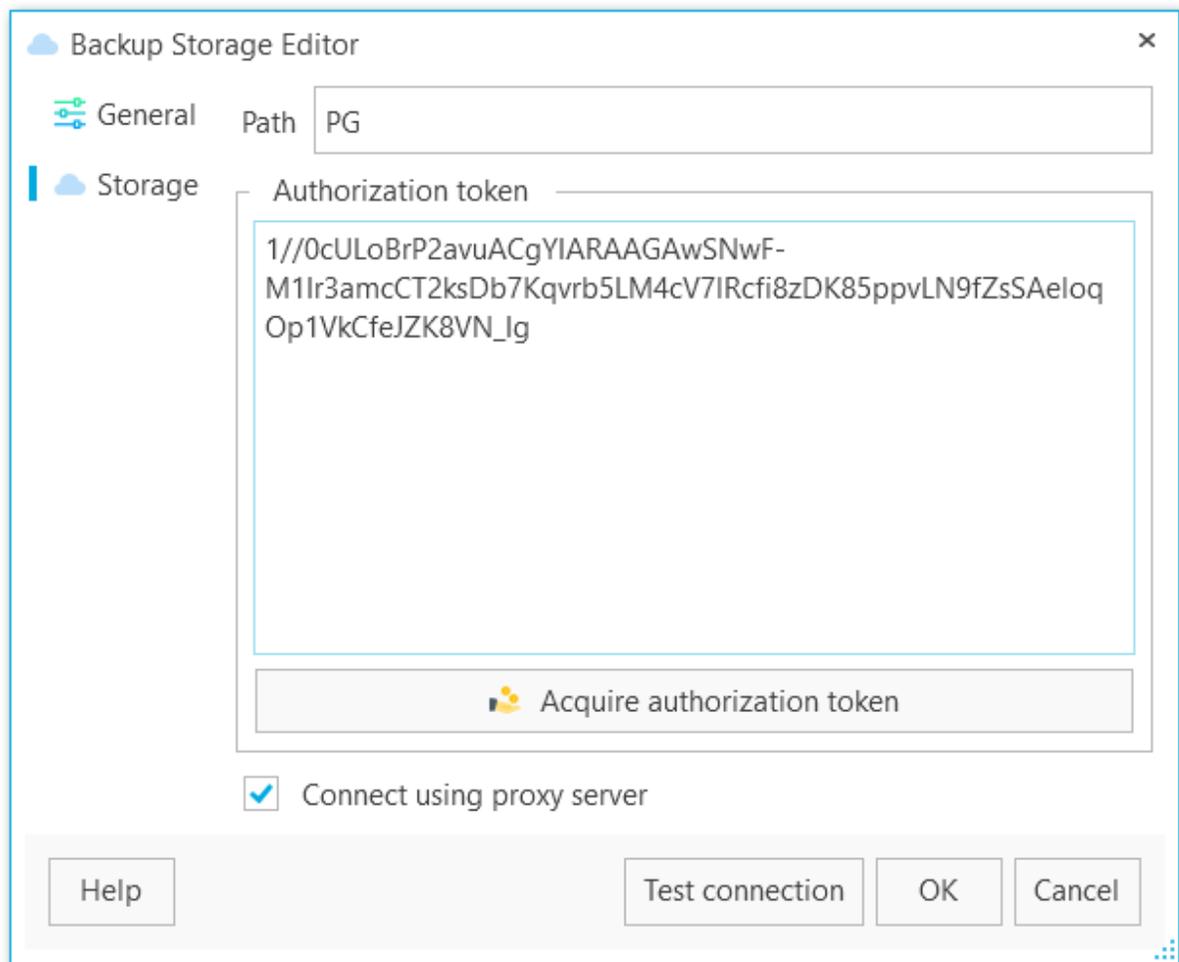
At this tab you can edit Google Drive cloud connection settings.

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 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" (selected) and "Storage". Under the "Storage" tab, there is a "Path" field containing "PG". Below that is an "Authorization token" field containing a long alphanumeric string: "1//0cULoBrP2avuACgYIARAAGAwSNwF-M1Ir3amcCT2ksDb7Kqvr5LM4cV7IRcfi8zDK85ppvLN9fZsSAeloqOp1VkcfeJZK8VN_Ig". Below the token field is a button with a person icon and the text "Acquire authorization token". At the bottom of the dialog, there is a checked checkbox labeled "Connect using proxy server". At the very bottom, there are four buttons: "Help", "Test connection", "OK", and "Cancel".

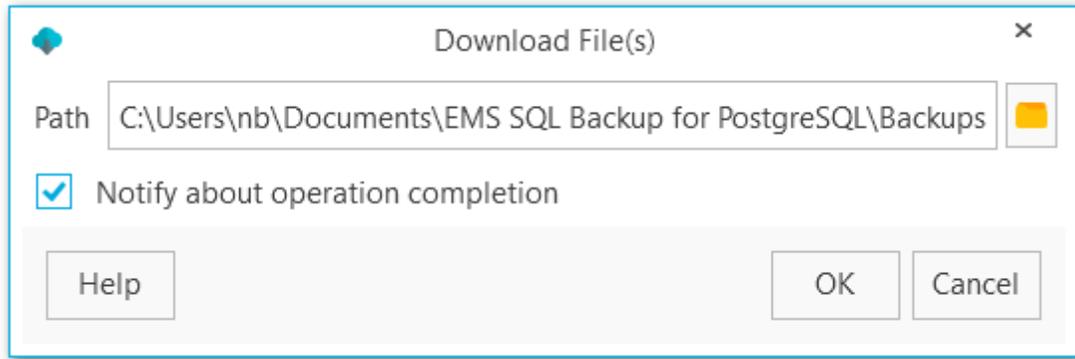
Connect using proxy server

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.



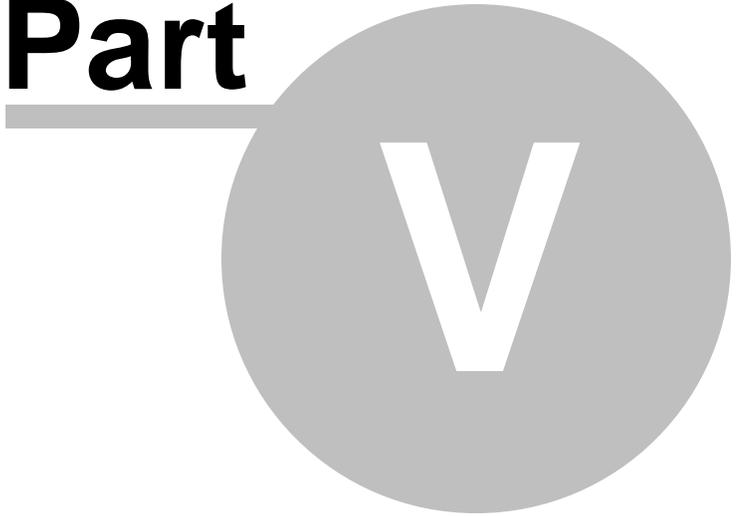
Path

Select the location for downloading the file.

Notify about download completion

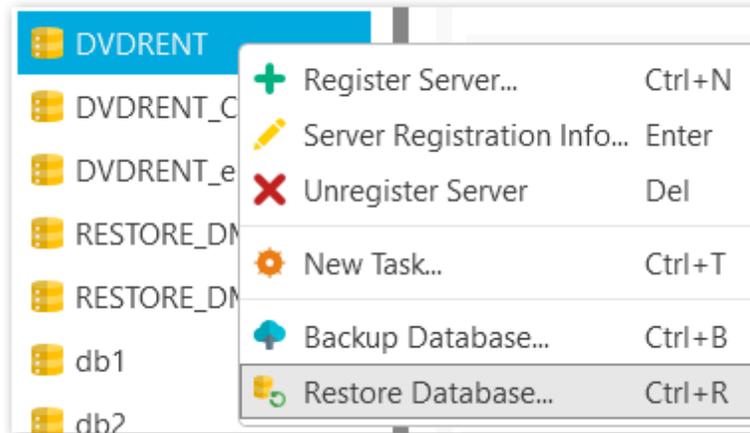
Check this option to get desktop notifications about file downloading.

Part

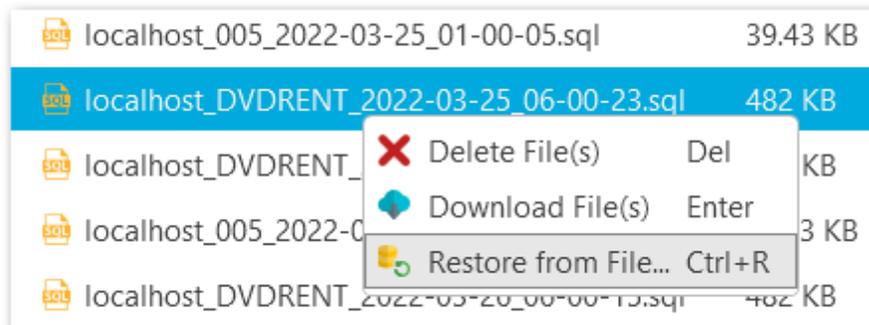


5 Database restore

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.

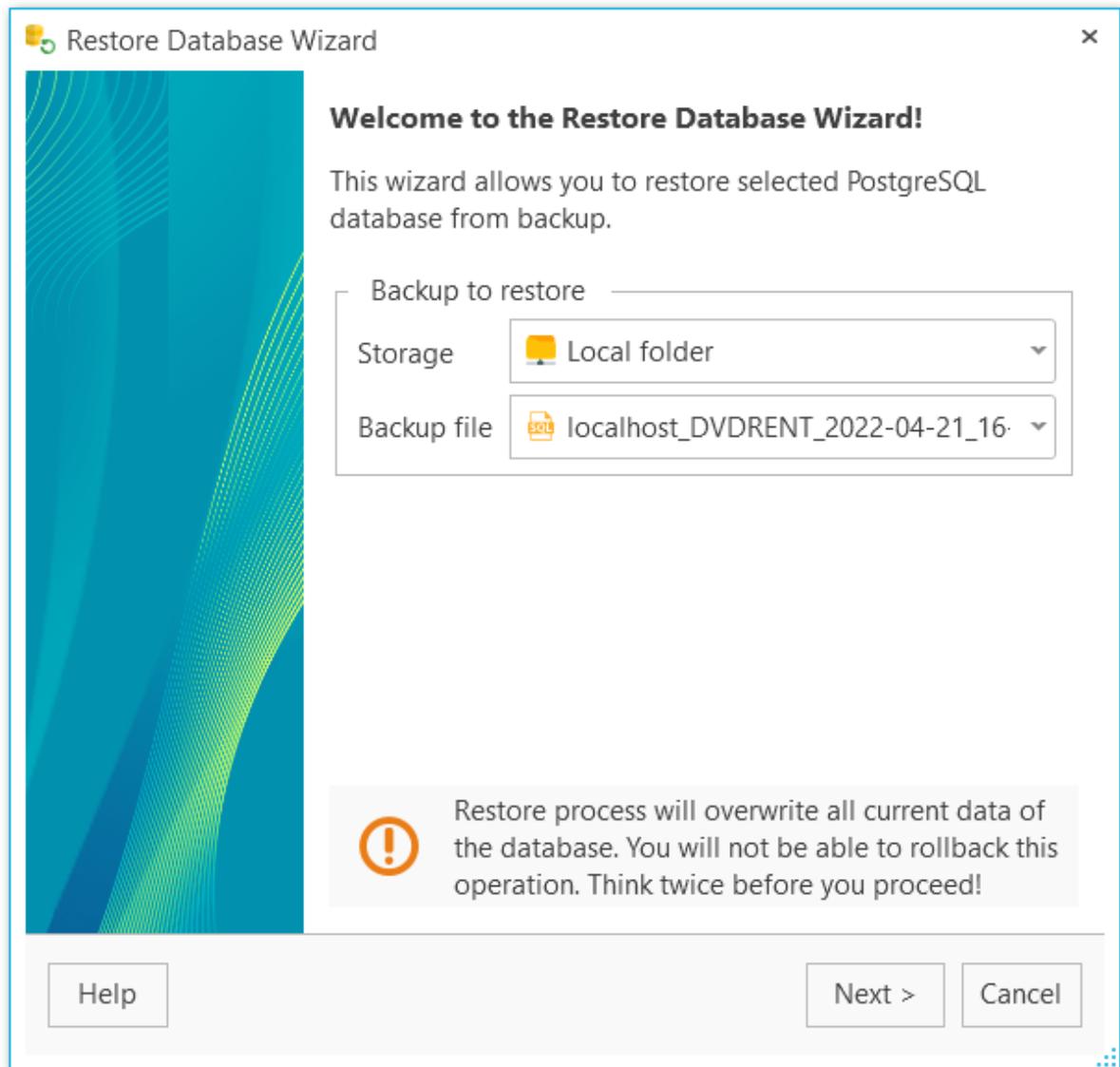
Backup to restore

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 screenshot shows a dialog box titled "Restore Database Wizard" with a close button (X) in the top right corner. The main heading is "Configure restore procedure options". Below the heading is a descriptive text: "Specify options related to database restore procedure. It is possible to choose a role for the restore process to execute, etc." The dialog contains several input fields and checkboxes:

- Creator role name:** A dropdown menu with a person icon and the text "<Session Role>".
- Number of jobs:** A text input field containing the number "1" and up/down arrow buttons.
- Use single transaction:** A checked checkbox.
- Exit on error:** A checked checkbox.
- Clean schema:** A checked checkbox.
- Add IF EXISTS:** An unchecked checkbox.

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

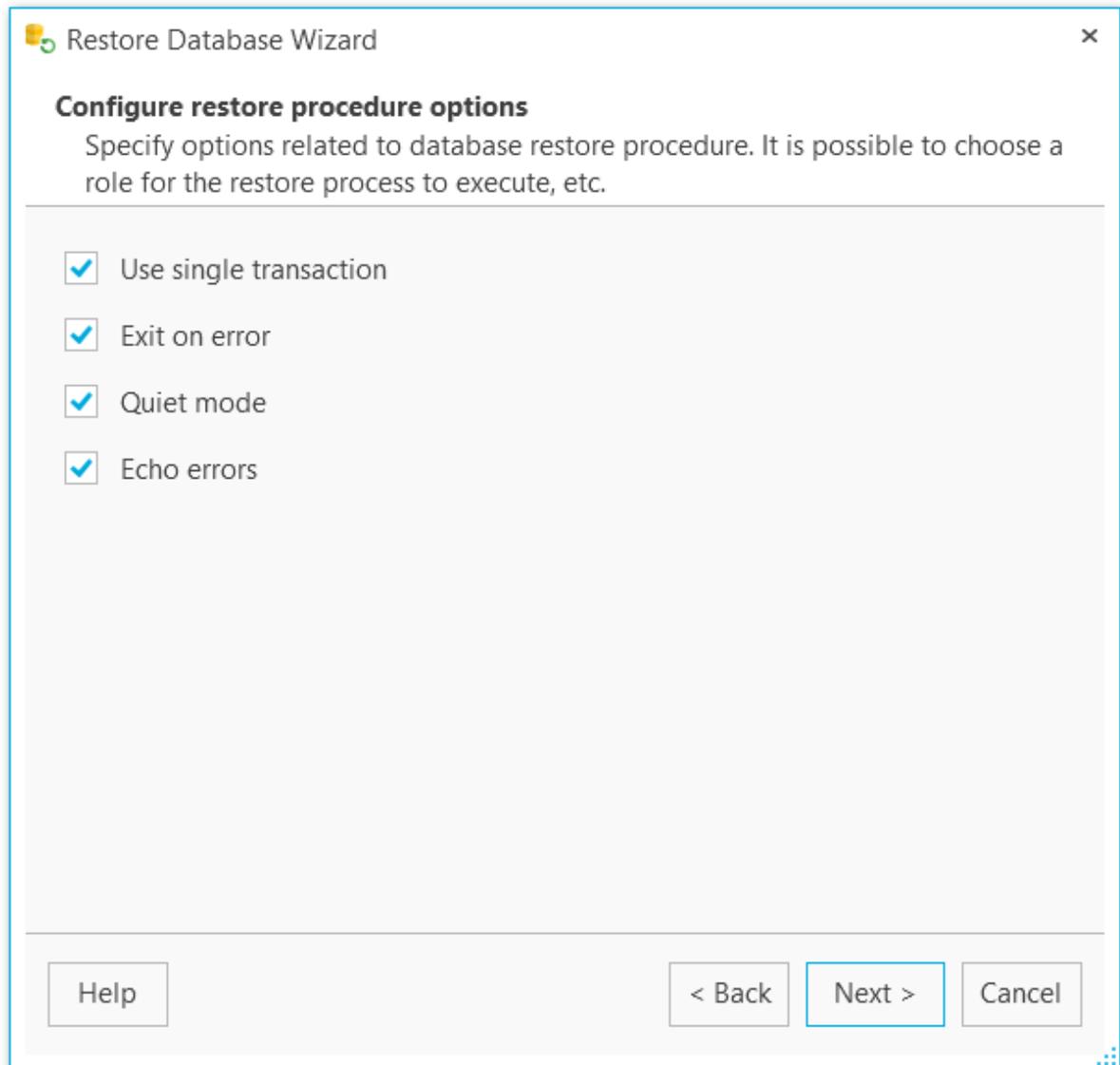
If this option is enabled, the program will stop the database restore process if an error occurs.

Quiet mode

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

Echo errors

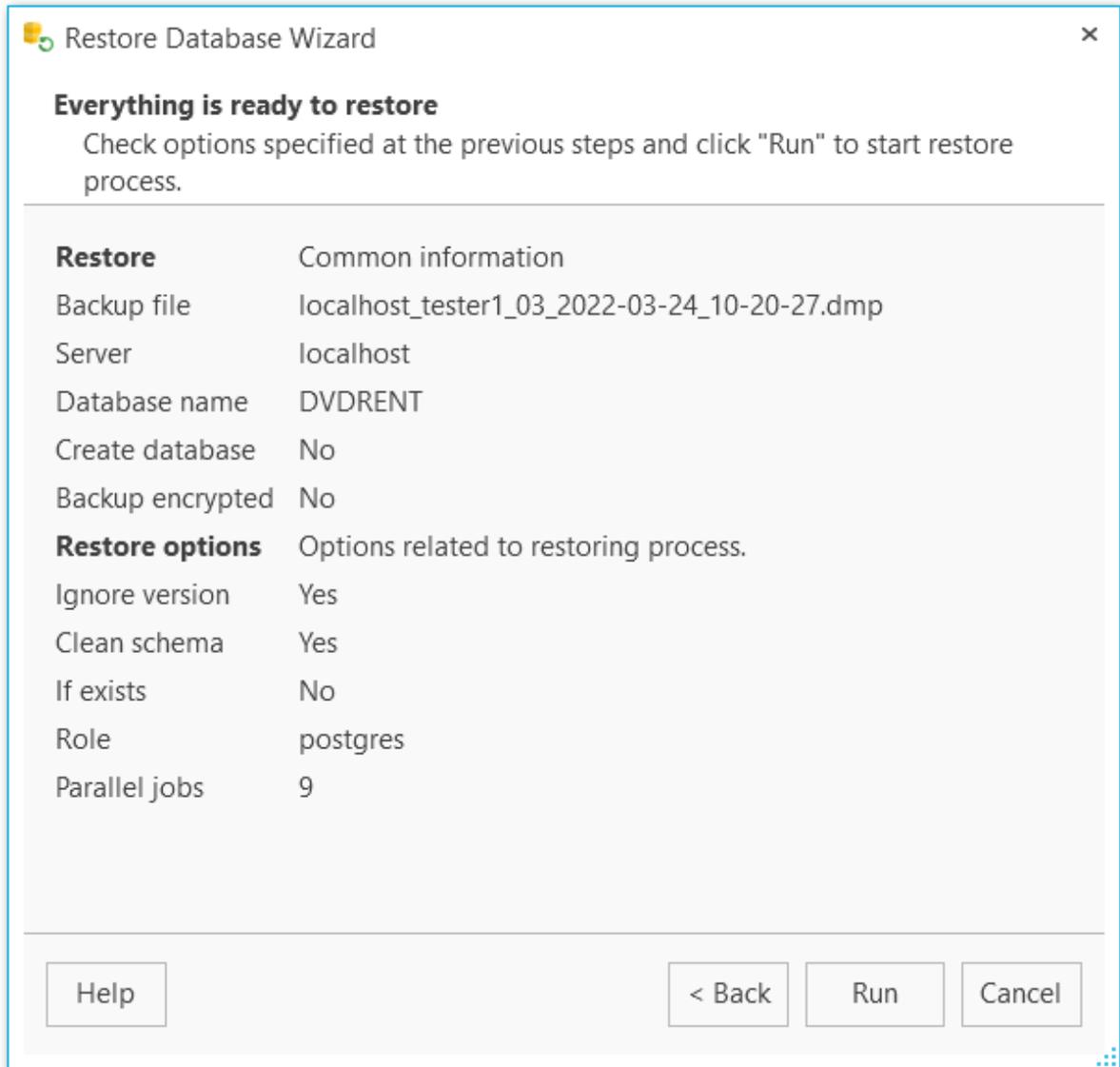
Print failed SQL commands to standard error output.



[<< 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.

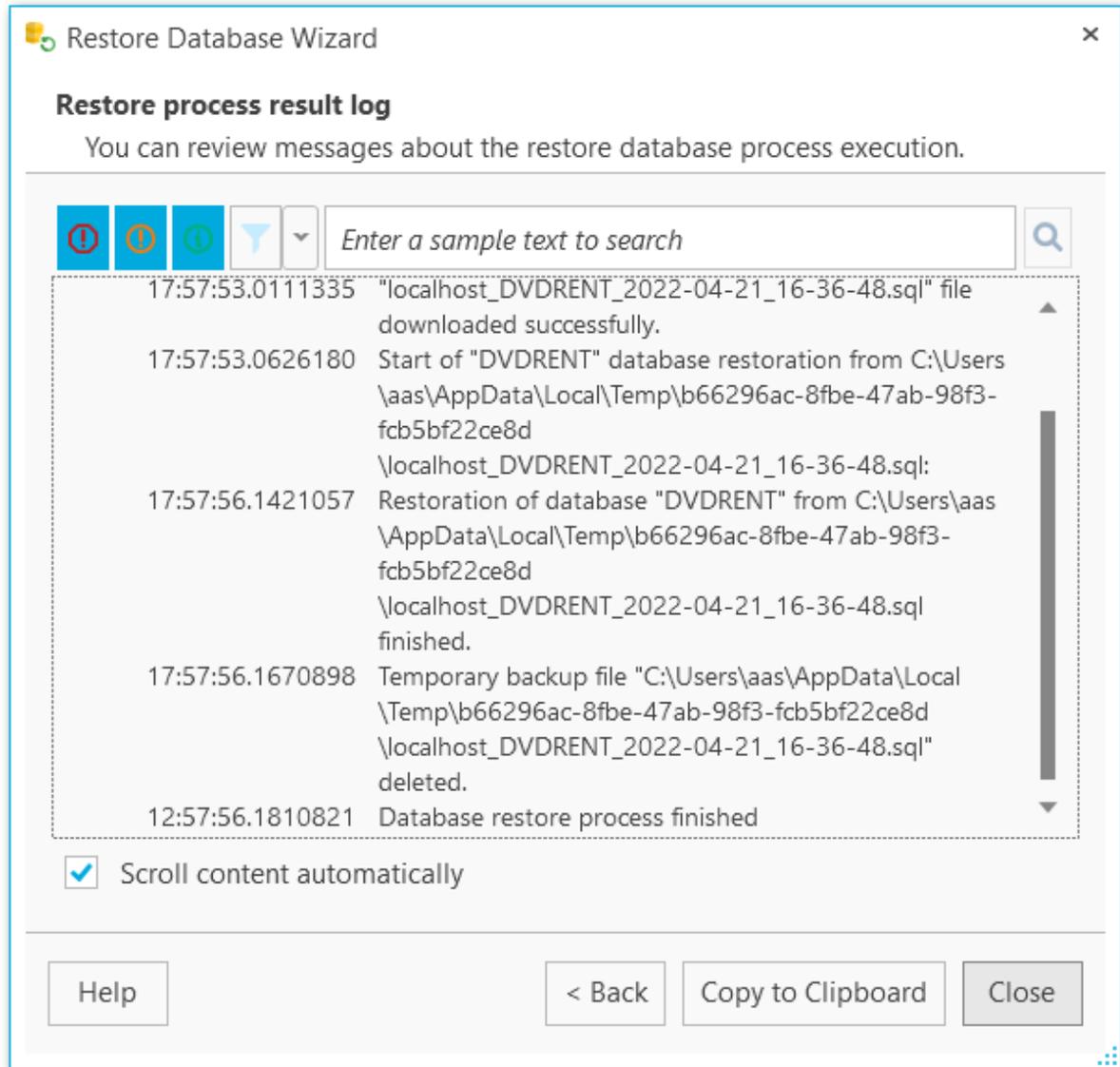


[<< Previous step](#)

[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.

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

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

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.

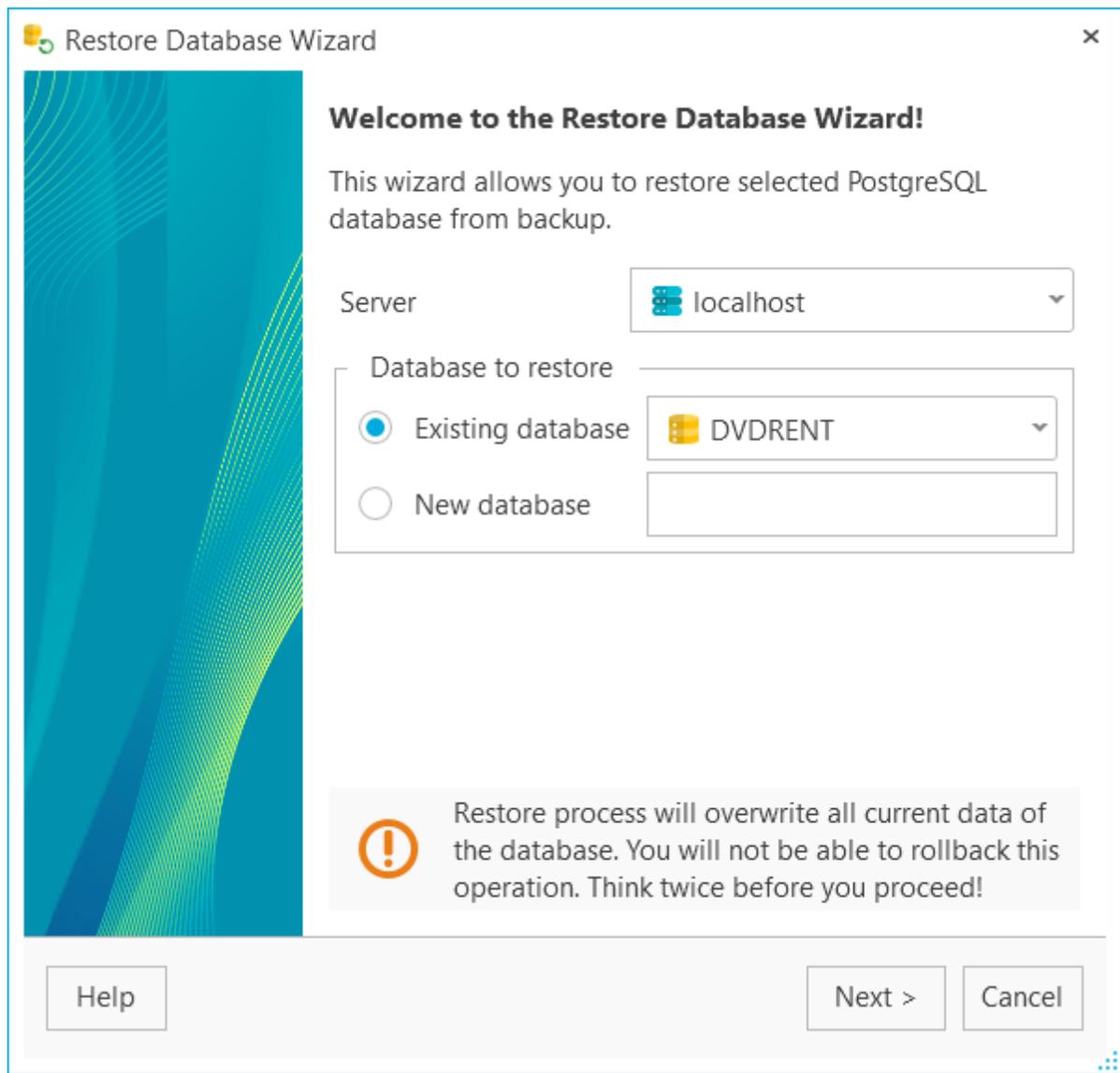
Database to restore

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.



[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 dialog box titled "Restore Database Wizard" with a close button (X) in the top right corner. The main heading is "Configure restore procedure options". Below the heading is a descriptive text: "Specify options related to database restore procedure. It is possible to choose a role for the restore process to execute, etc." The dialog contains several input fields and checkboxes:

- "Creator role name": A dropdown menu with a blue person icon and the text "<Session Role>".
- "Number of jobs": A text input field containing the number "1" and up/down arrow buttons.
- Four checkboxes:
 - Use single transaction
 - Exit on error
 - Clean schema
 - Add IF EXISTS

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

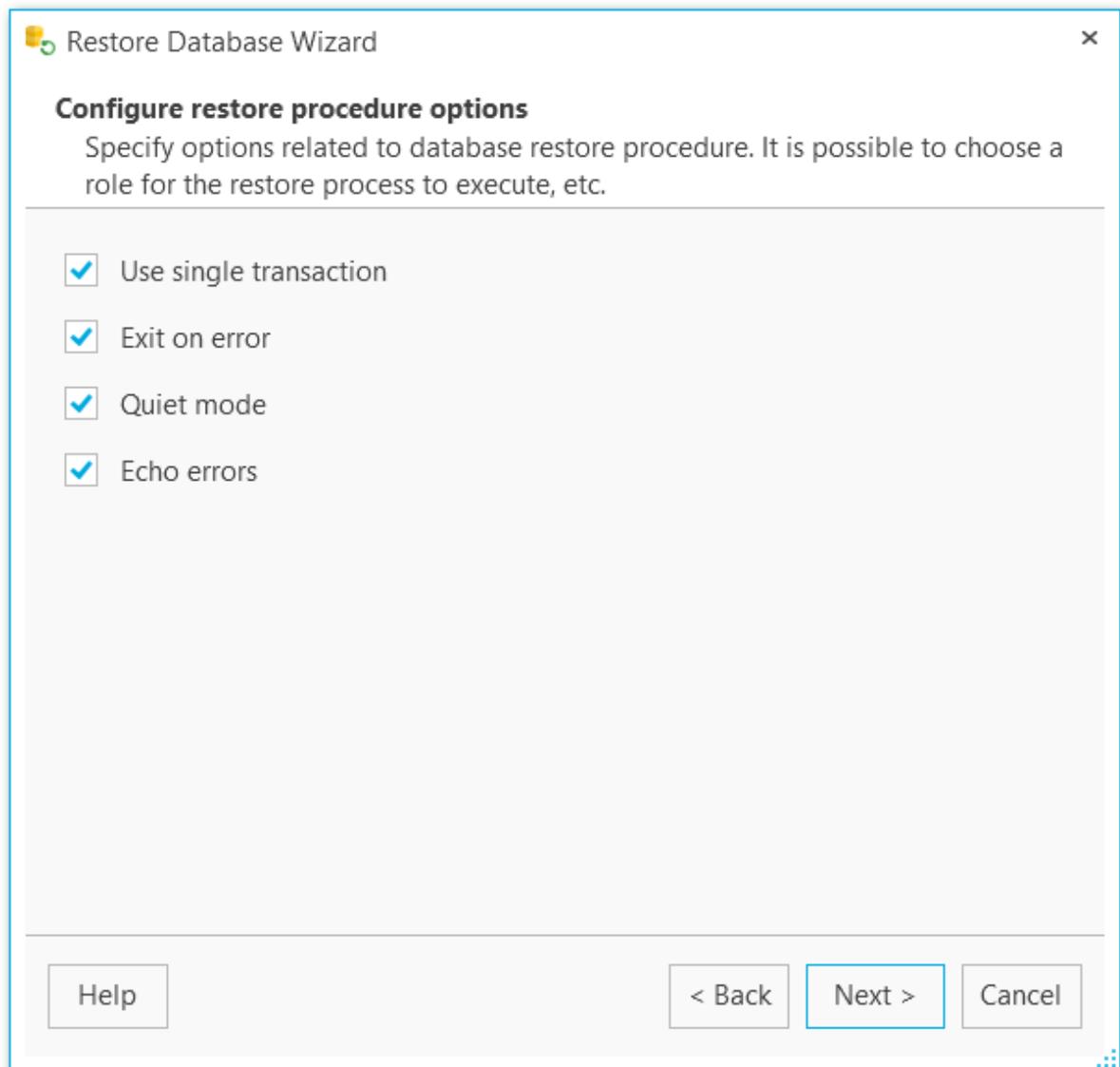
If this option is enabled, the program will stop the database restore process if an error occurs.

Quiet mode

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

Echo errors

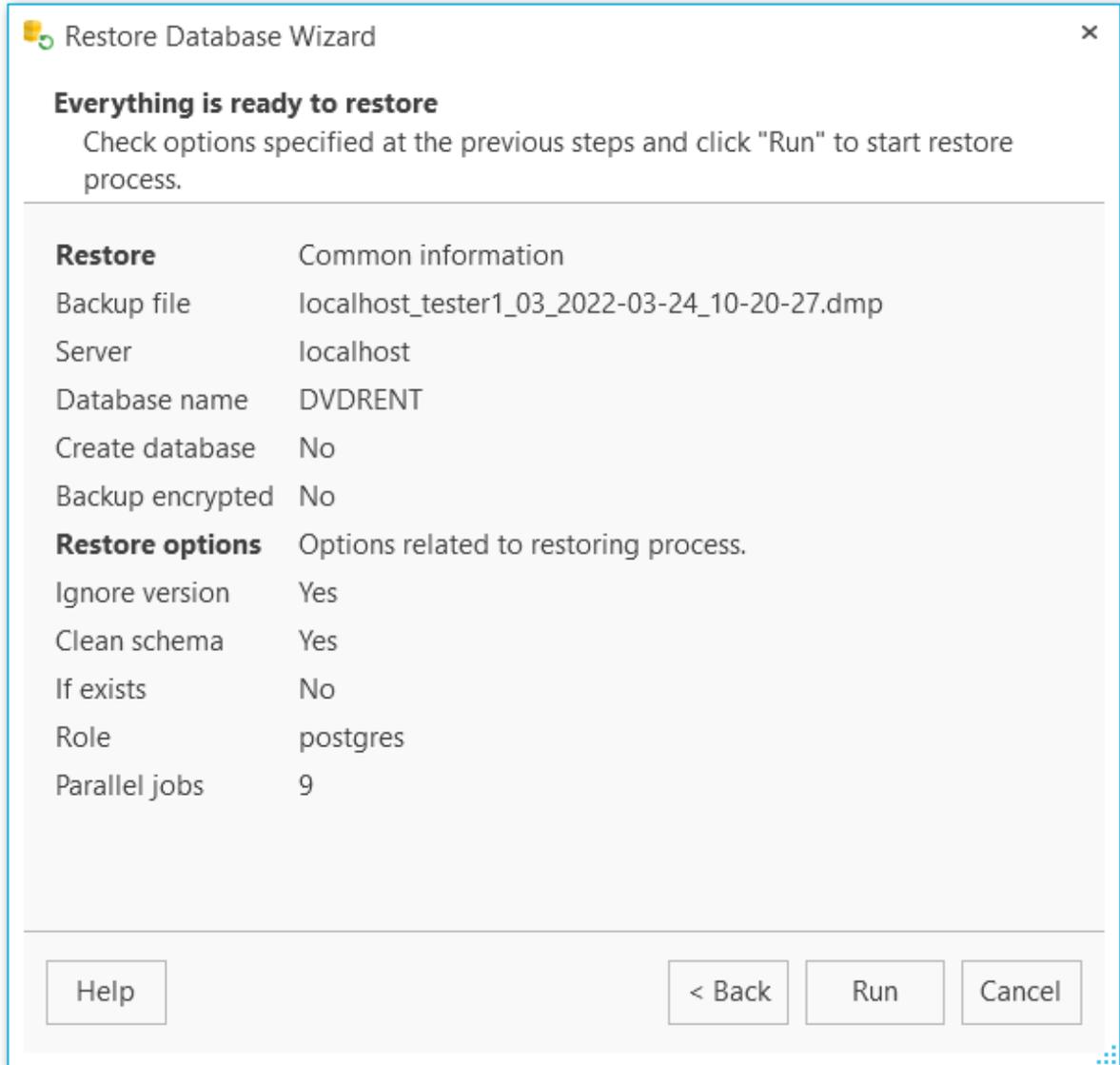
Print failed SQL commands to standard error output.



[<< 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.

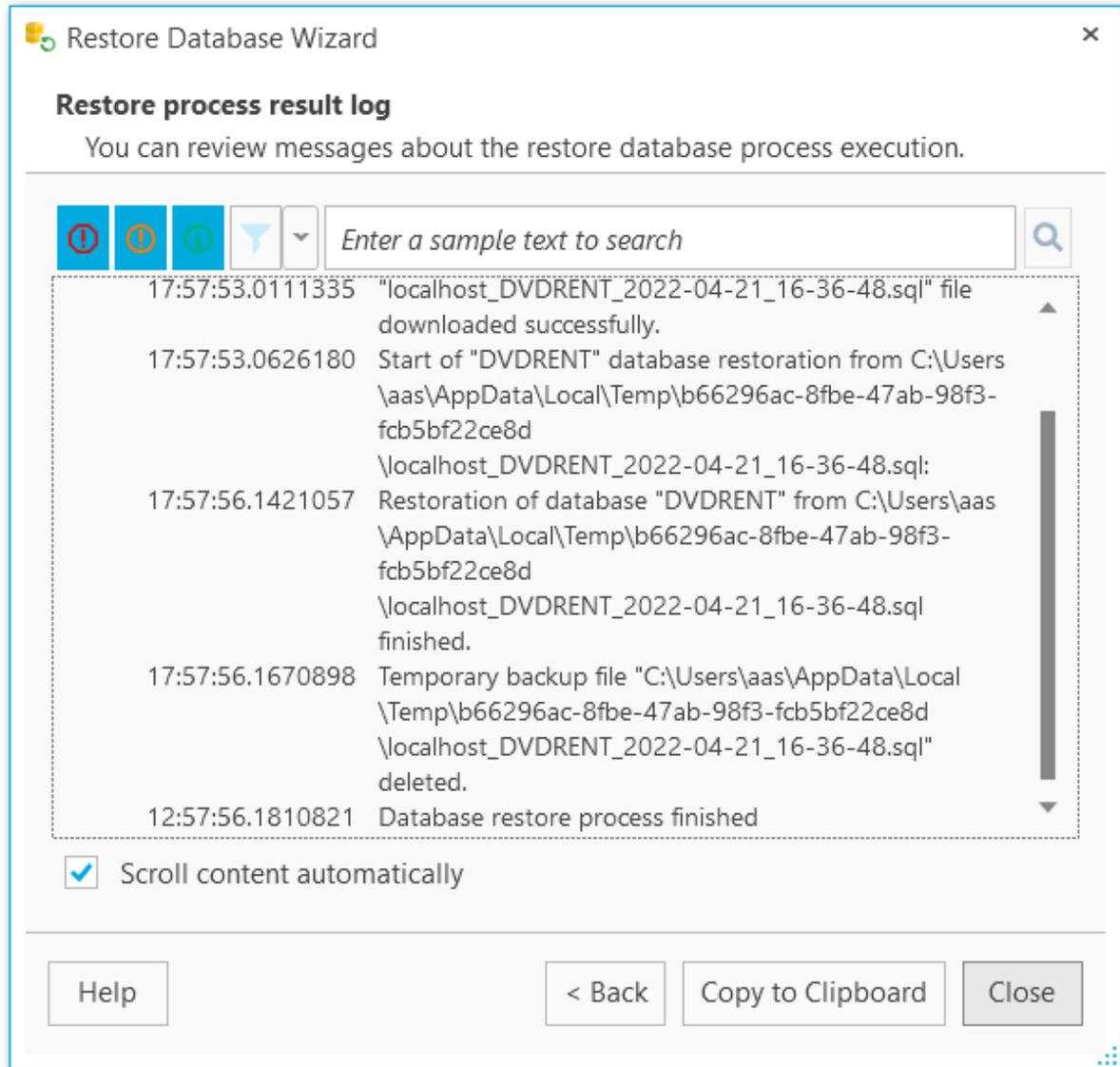


[<< Previous step](#)

[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.

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

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

OID	
-----	---

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

[<< Previous step](#)

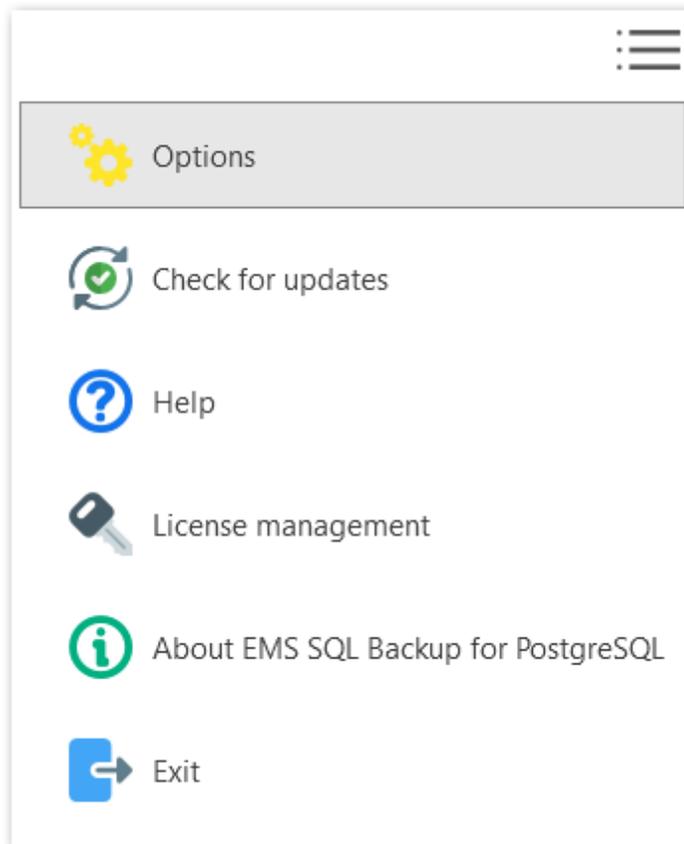
Part



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:

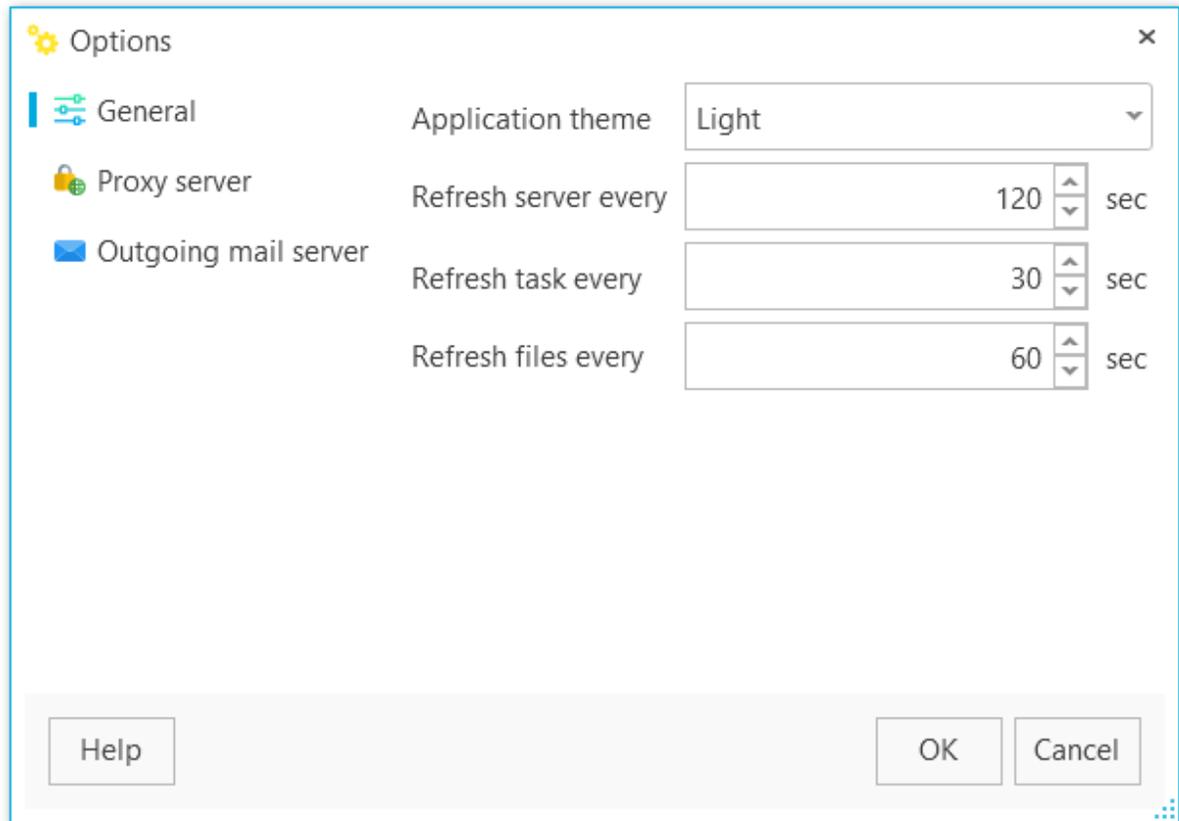
[General](#)

[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.

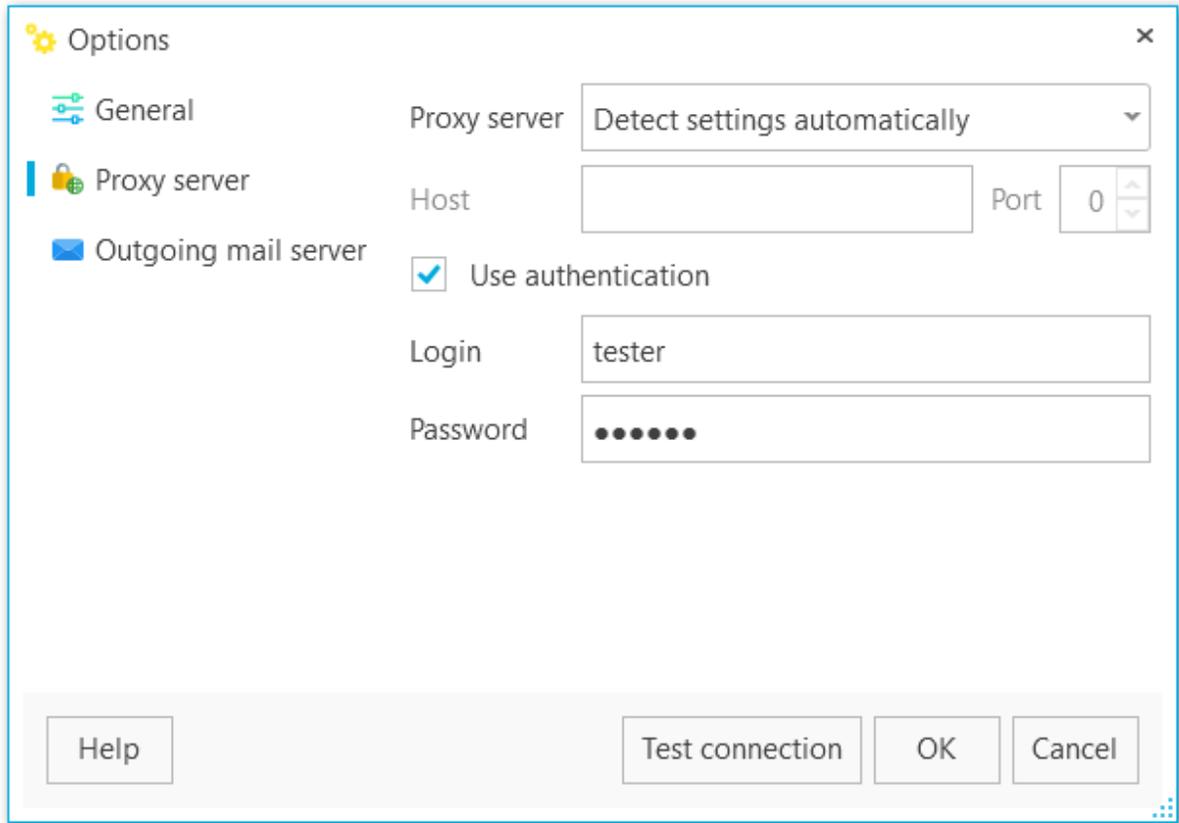
See also:

[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'. Below it, 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 buttons for '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.

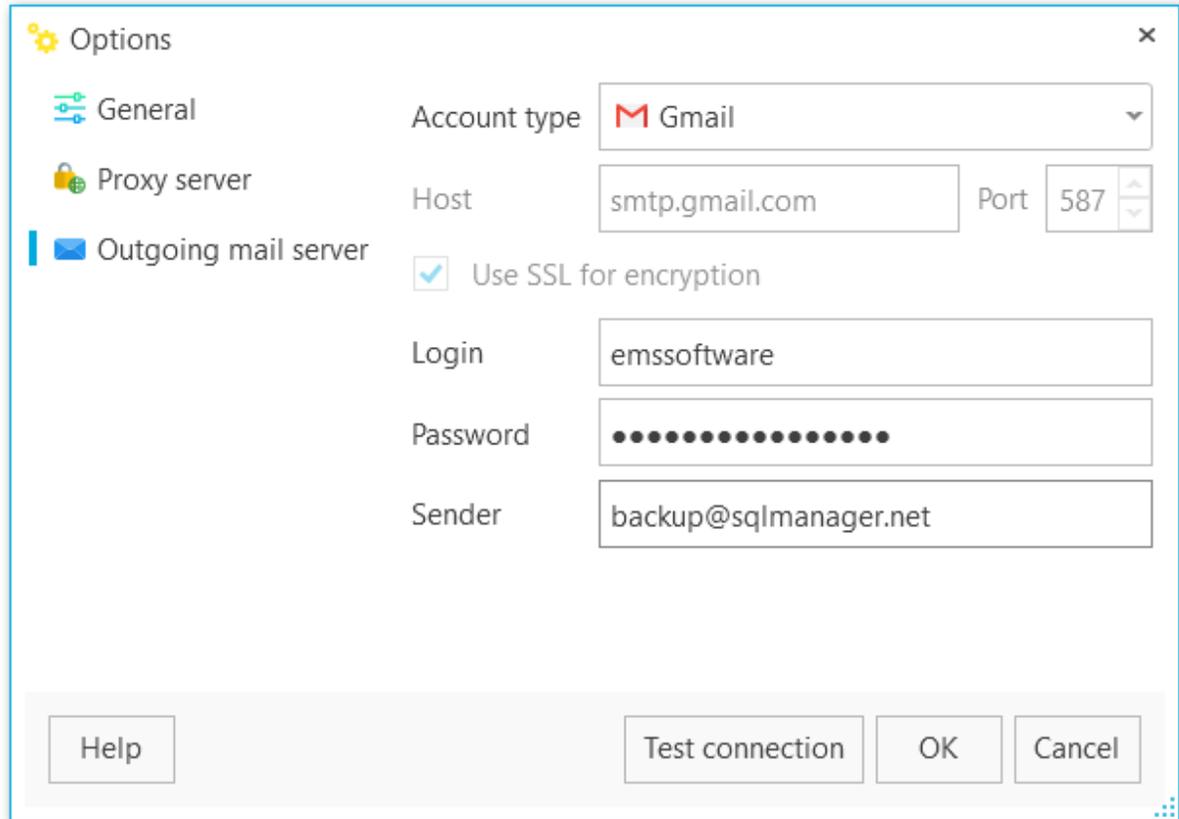
See also:

[General settings](#)

[Outgoing mail server](#)

6.3 Outgoing mail server

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



The screenshot shows a dialog box 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: "Account type" is a dropdown menu showing "Gmail" with a red envelope icon; "Host" is a text box containing "smtp.gmail.com"; "Port" is a spinner box set to "587"; "Use SSL for encryption" is a checked checkbox; "Login" is a text box containing "emssoftware"; "Password" is a text box filled with dots; and "Sender" is 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.

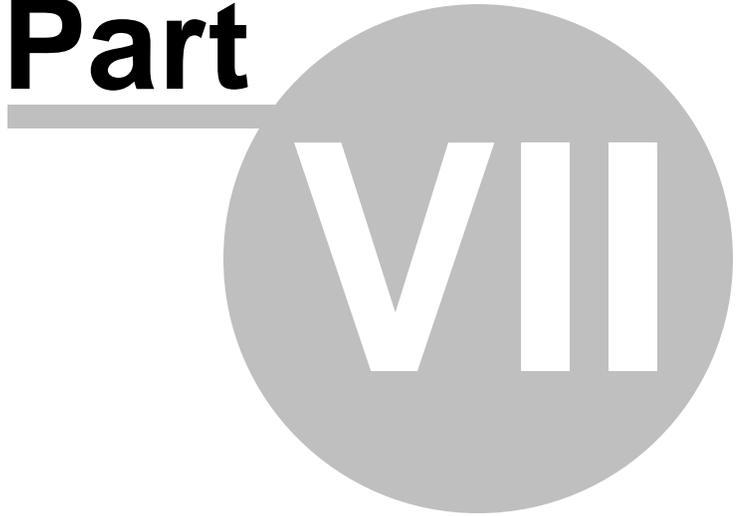
Click the **Test connection** button to check connection to the outgoing mail server with the settings defined above.

See also:

[General](#)

[Proxy server](#)

Part



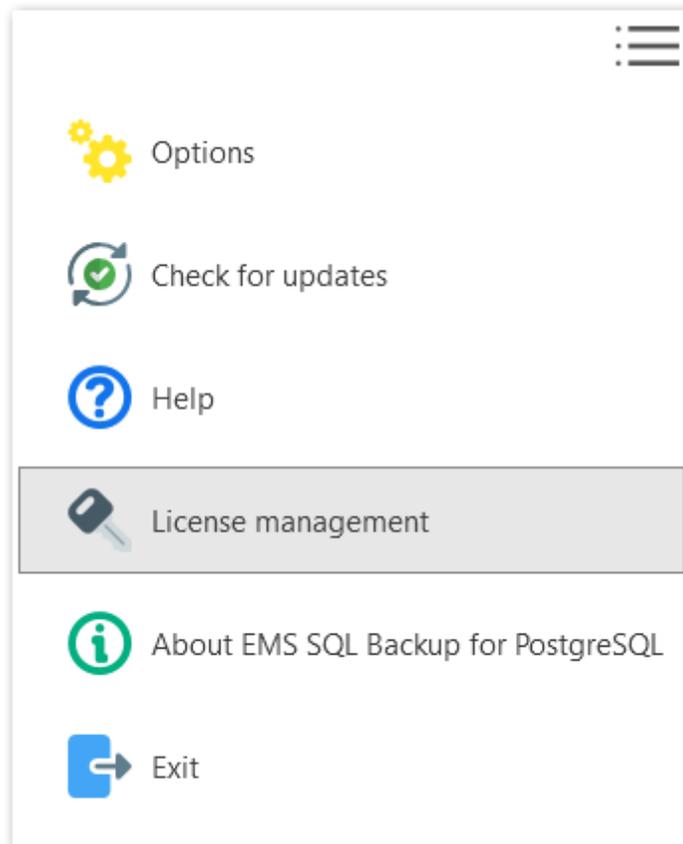
VII

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](#)

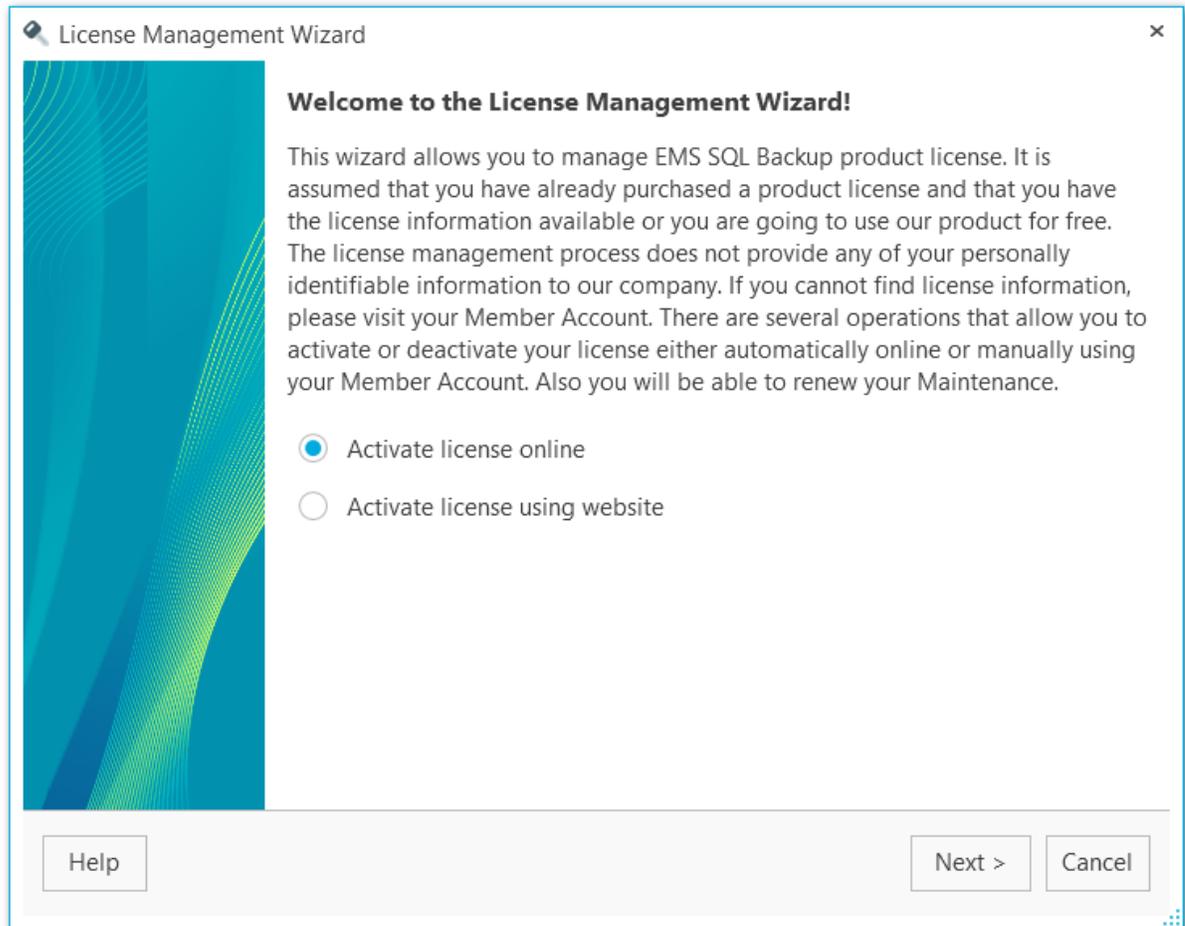
See also:

[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.

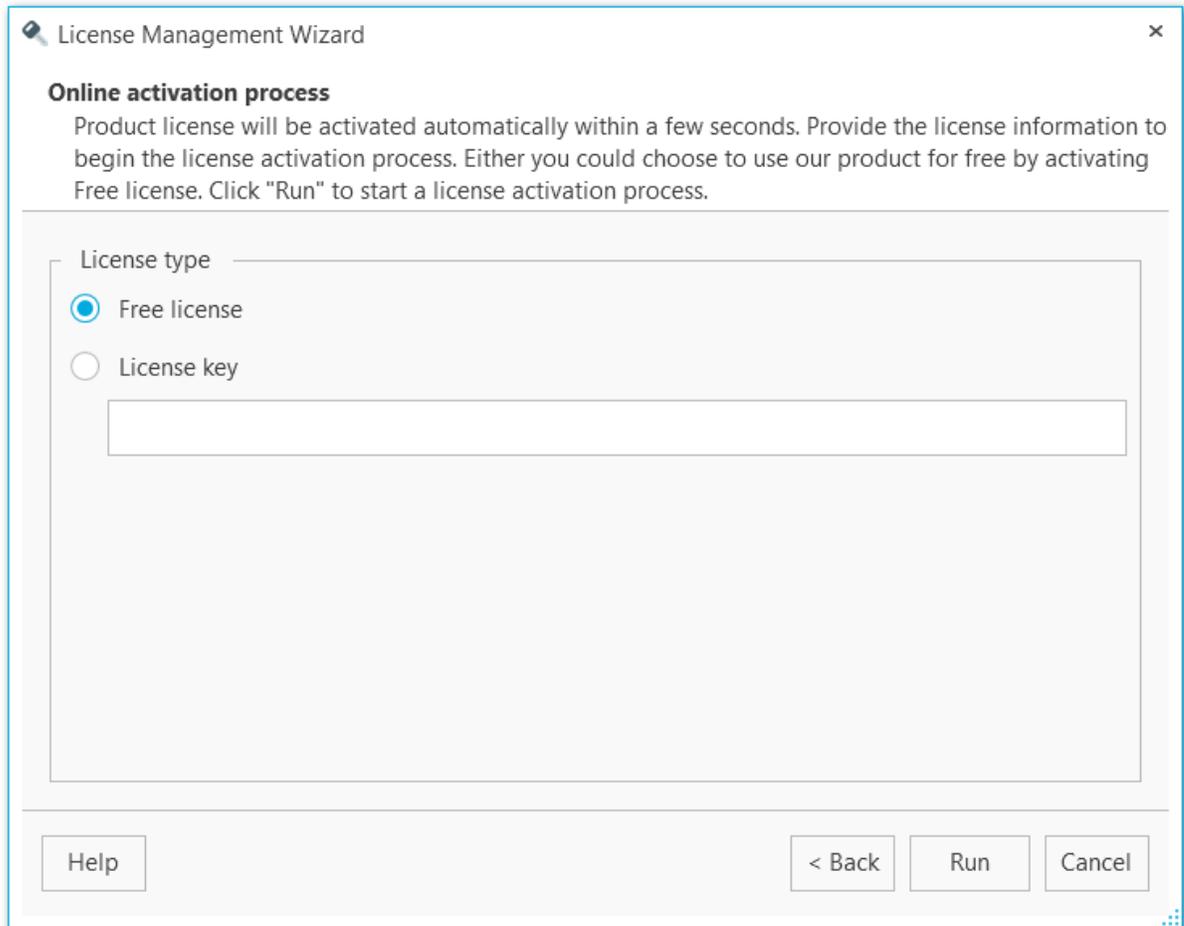
Note: The **Free** license can be activated using the online activation only.

[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](#).



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](#).

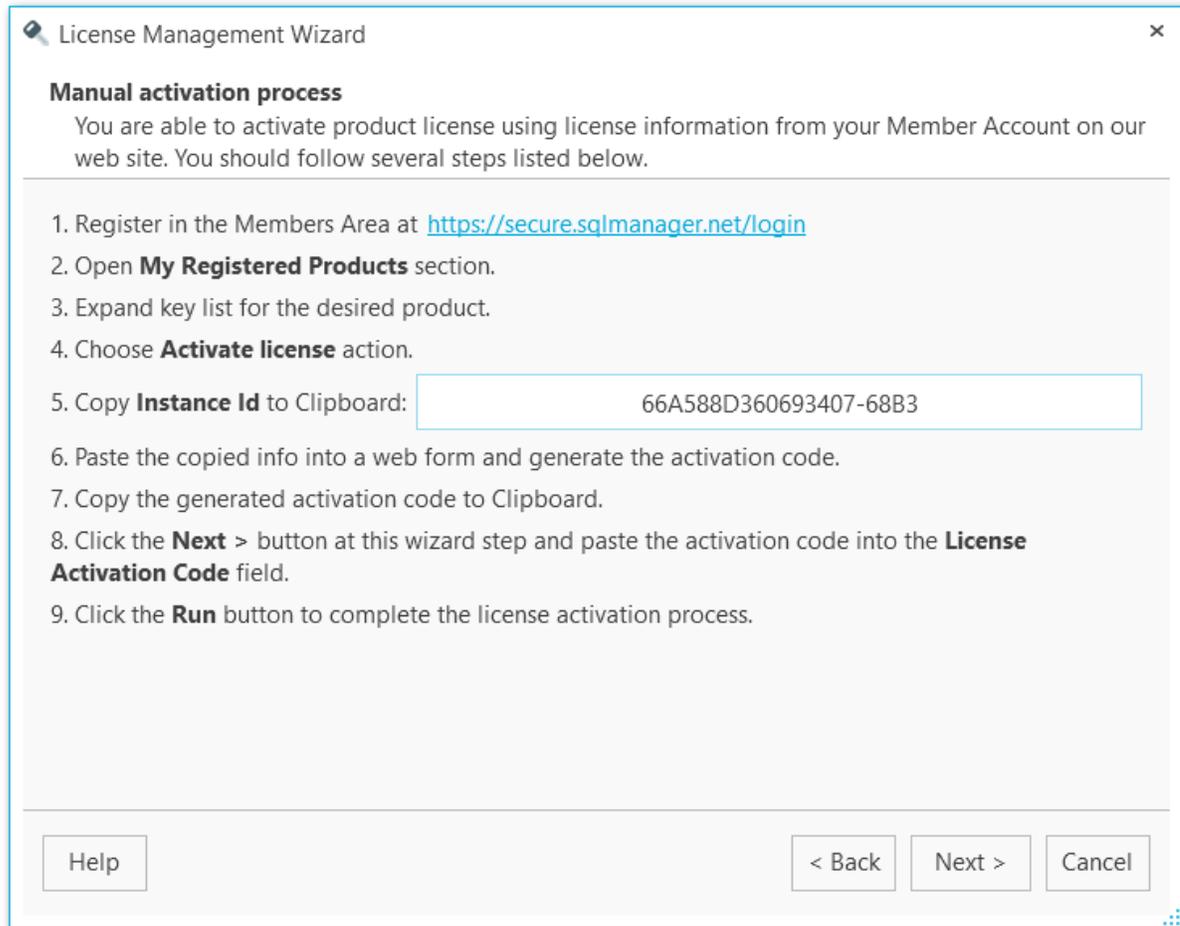
Click **Run** to complete activation.

[<< 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](#).



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.

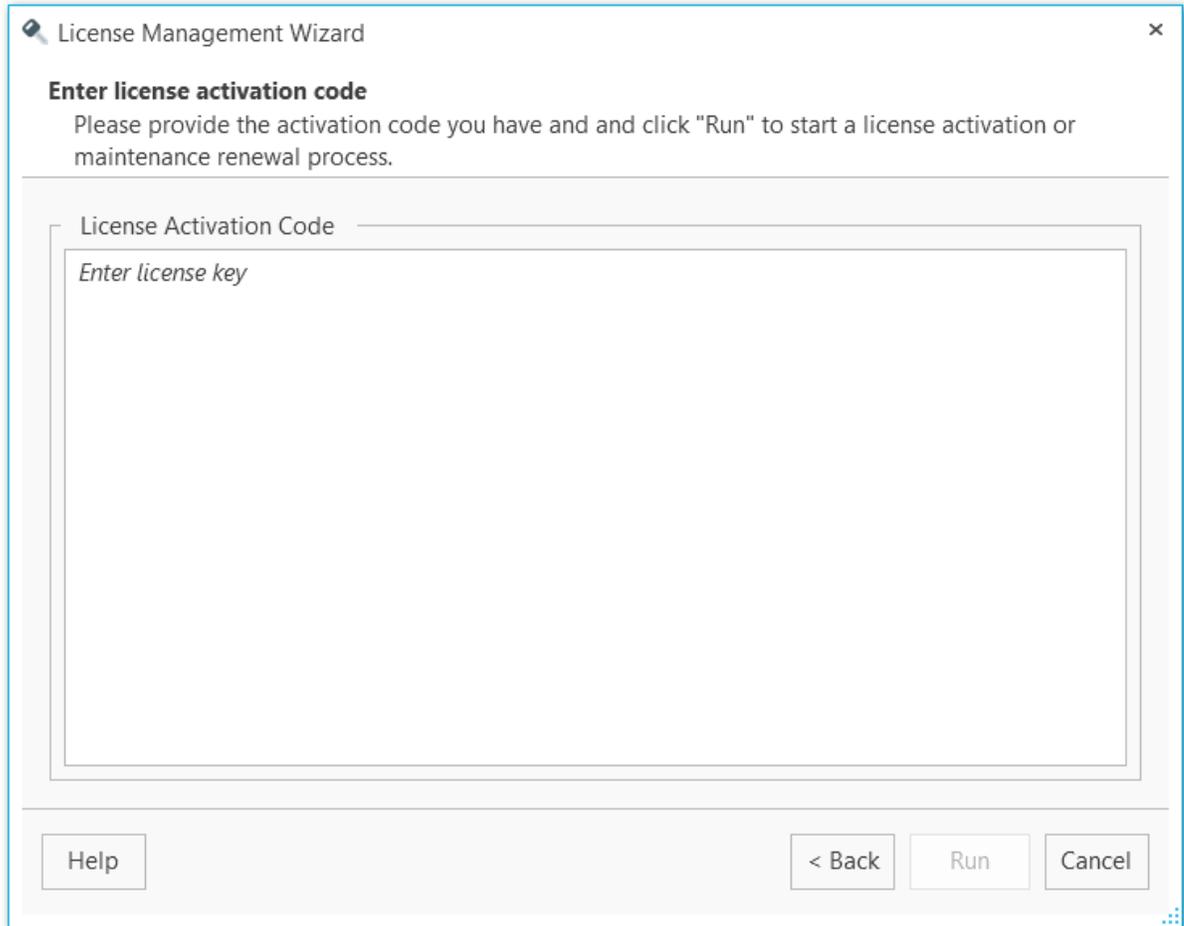
[<< Previous step](#)

[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 dialog box titled "License Management Wizard" with a close button (X) in the top right corner. The main heading is "Enter license activation code". Below the heading is a paragraph: "Please provide the activation code you have and and click 'Run' to start a license activation or maintenance renewal process." There is a large text input field with the label "License Activation Code" and a placeholder text "Enter license key". At the bottom of the dialog, there are four buttons: "Help", "< Back", "Run", and "Cancel".

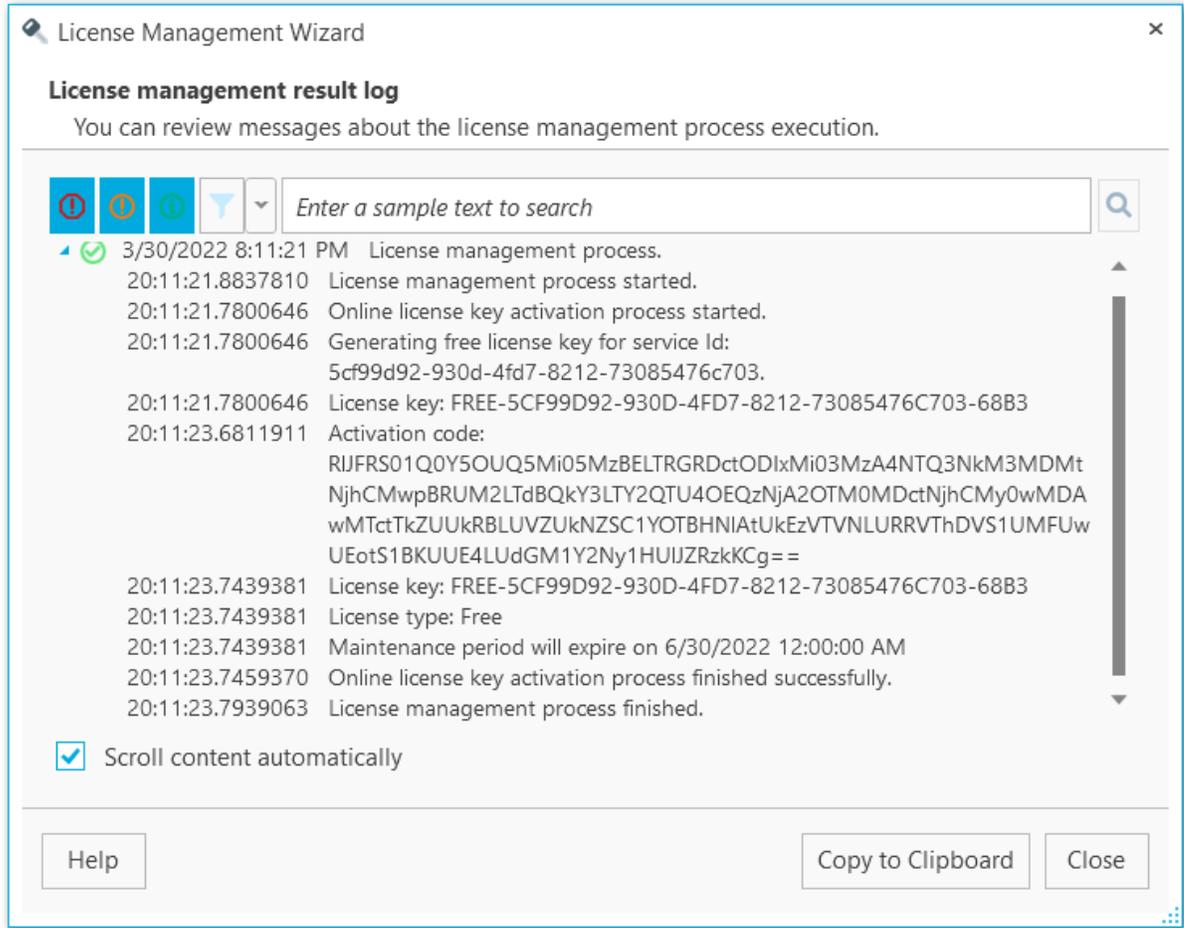
Click **Run** to complete activation.

[<< 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, there is a filter icon and a dropdown menu with the text "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".

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](#)

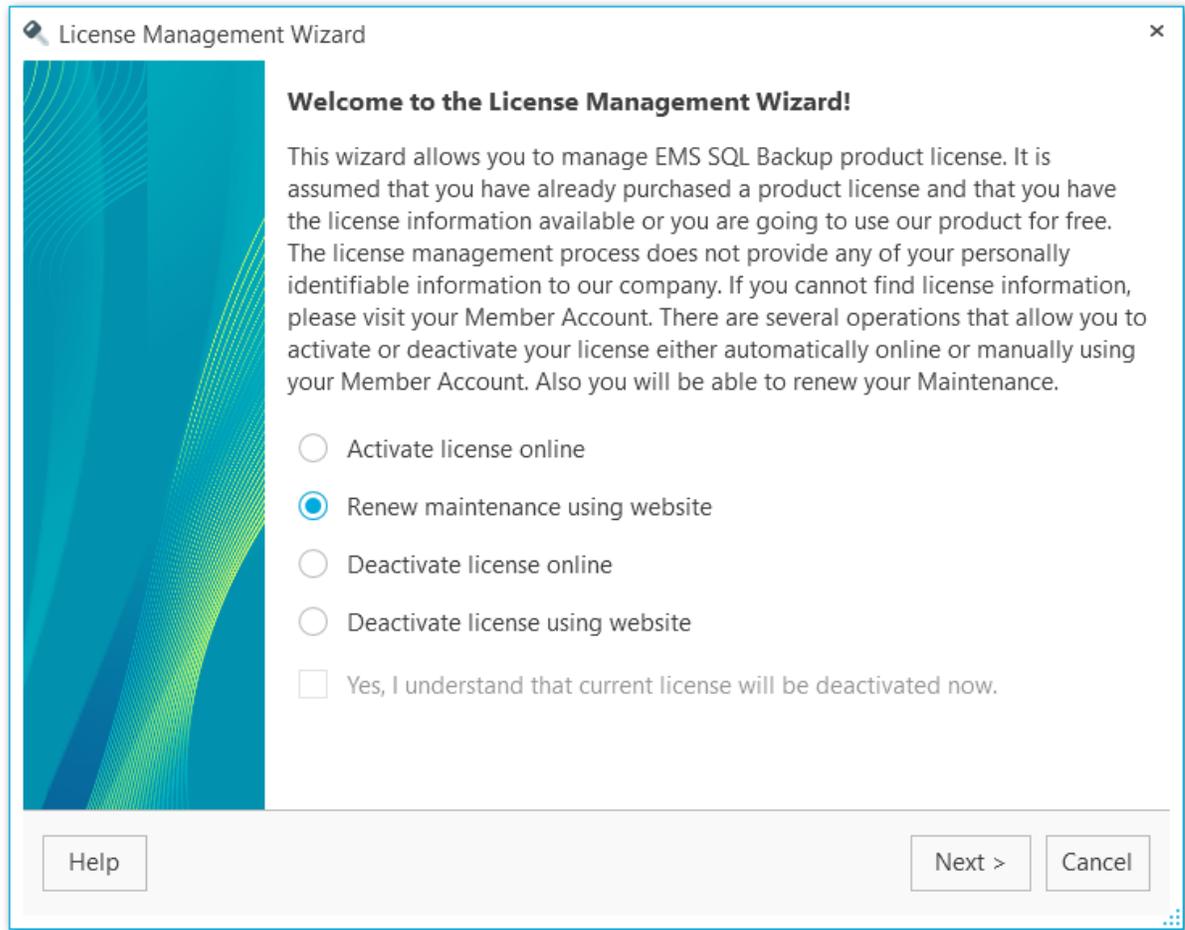
See also:

[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.

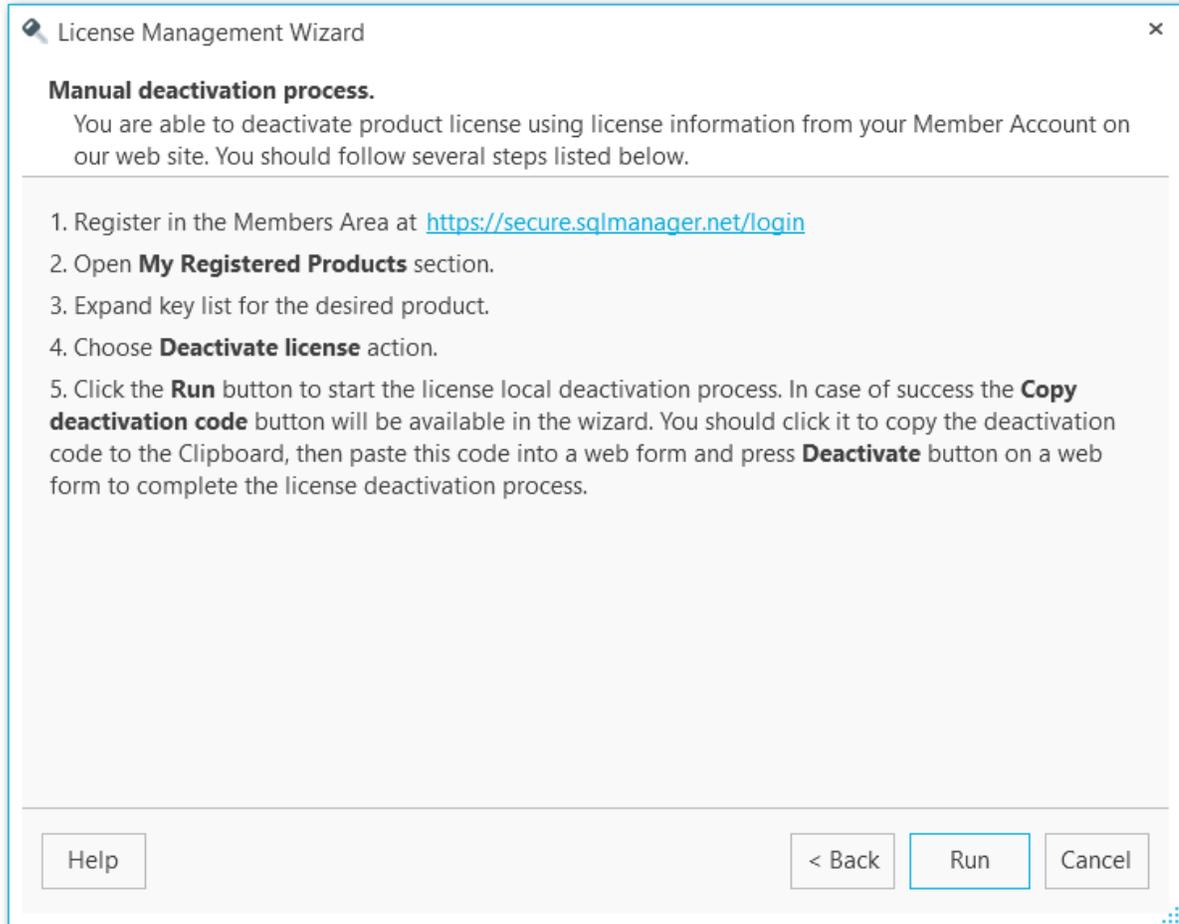
To proceed to the next step of the wizard check the **Yes, I understand that License Key will be deactivated now.**

[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](#).

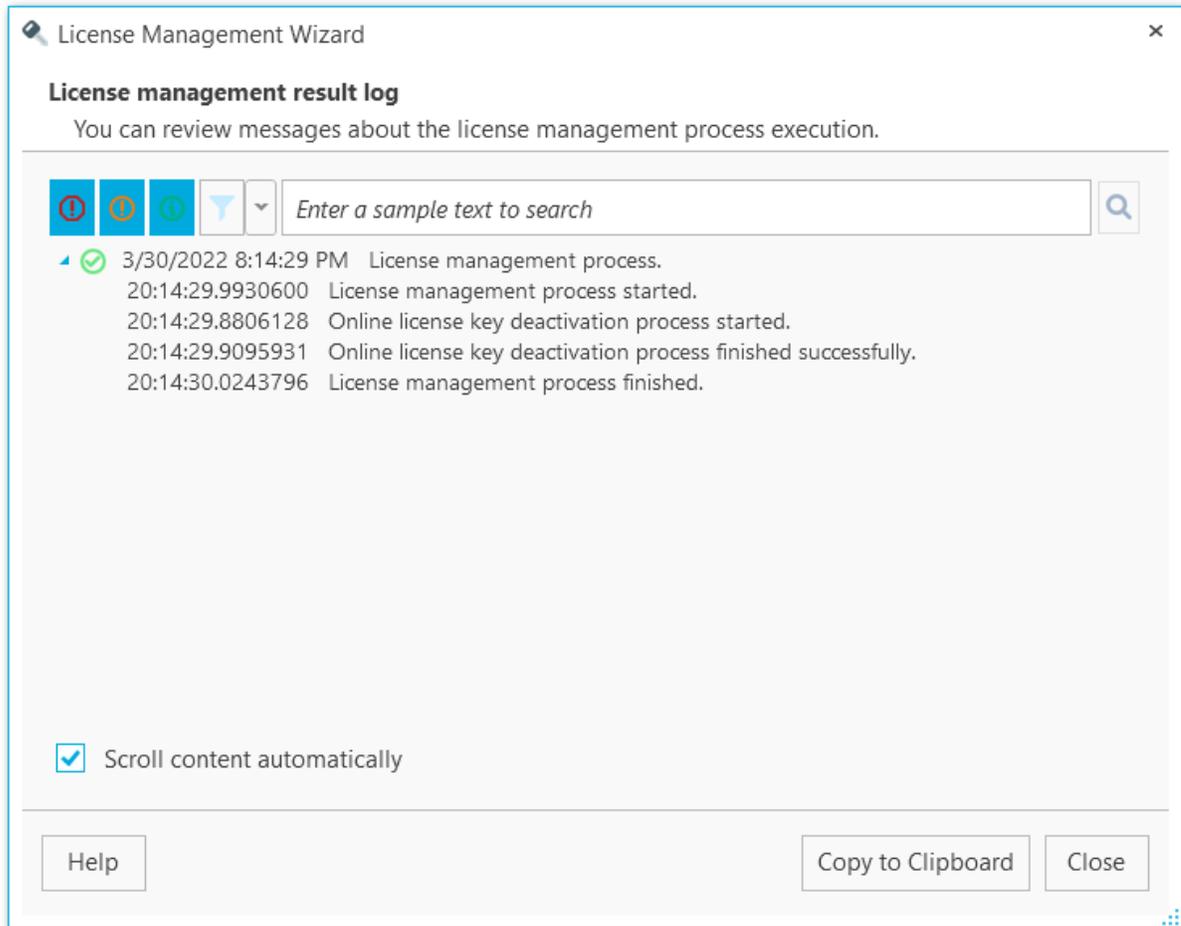


To perform license deactivation via web-site follow these steps:

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](#).

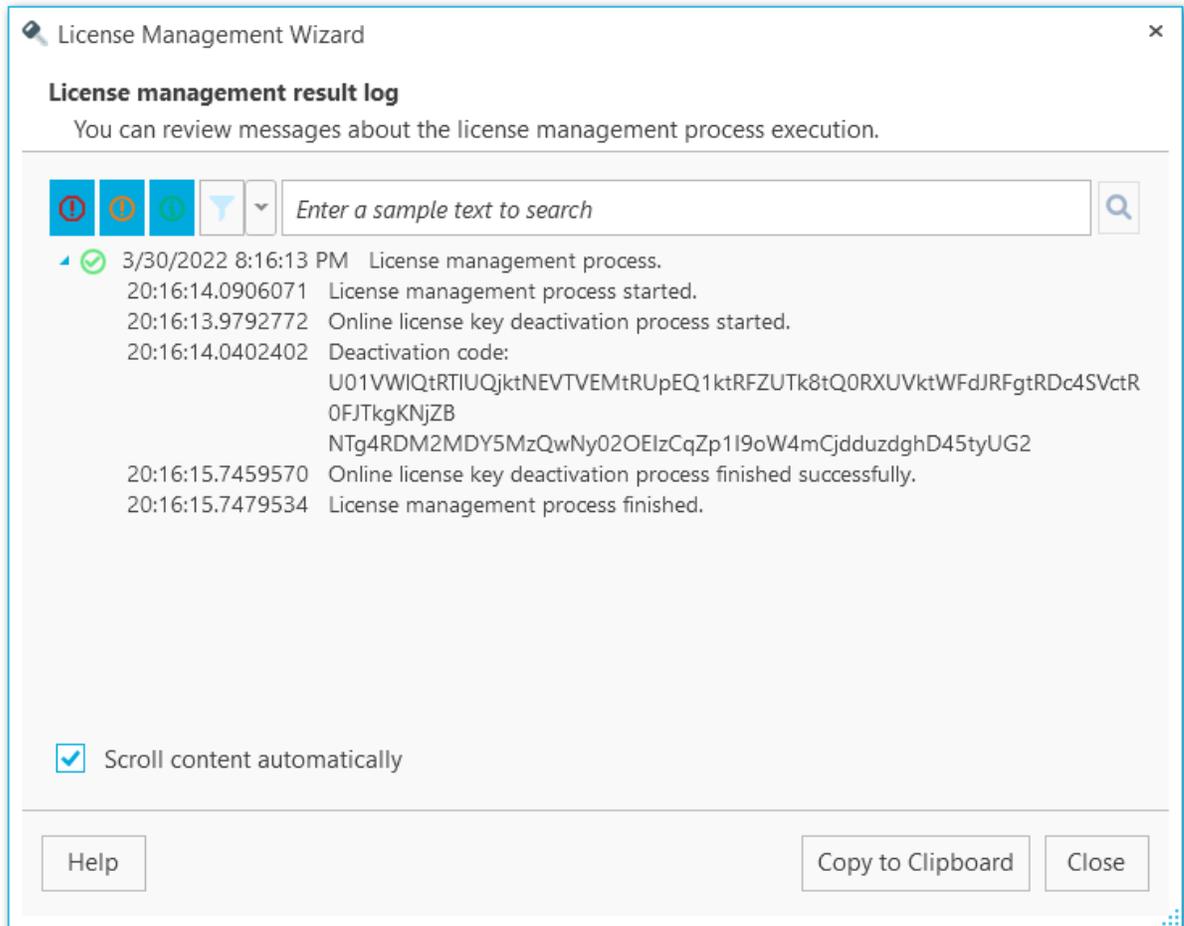


To configure connection parameters for performing deactivation see the [Proxy](#) tab of the [Options](#) dialog.

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. At the top left is a blue filter icon. To its right is a dropdown menu with "OID" selected. Below this are three input fields:

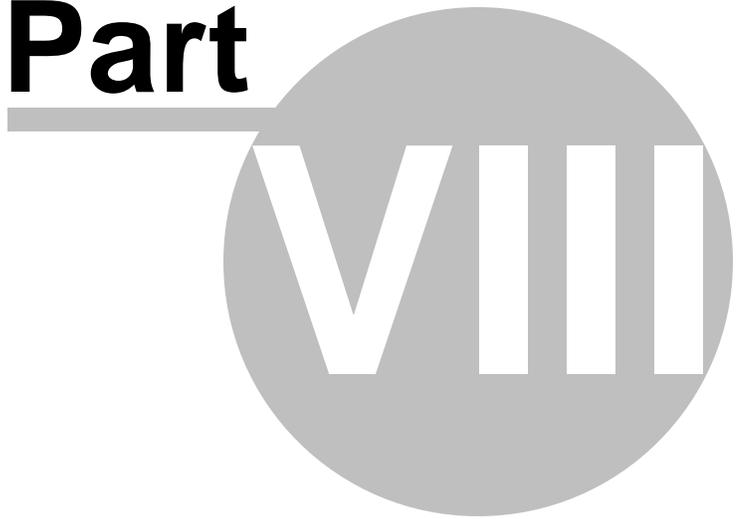
- From**: Tuesday, March 1, 2022 1:24:02 PM
- Till**: Sunday, March 13, 2022 2:24:02 PM
- Sample**: tester1

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

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

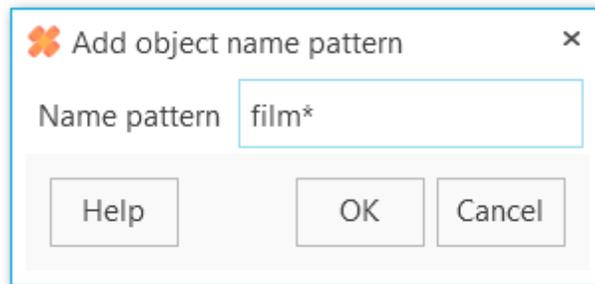
Part



8 Appendix

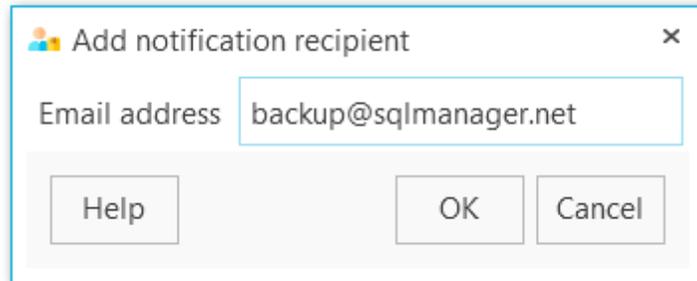
8.1 Add object name pattern

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.



The image shows a 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".

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

Credits

Software Developers

Dmitry Schastlivtsev

Andrey Kudryashov

Technical Writers

Natalia Borovaya

Cover Designer

Sergey Kovch