

Managing objects

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Connecting to the Reports database

You can connect to the Reports database directly by using `psql`, an interactive terminal program. After you make the connection, you can use SQL statements to extract or query the data without using a business intelligence tool.

 **Note:**

- You do not have to follow this procedure if you use [Data Transmitters](#).

To verify that the Reports database is running, try to connect to it. If you get the `psql` command prompt, the database is running.

► To connect to the Reports database installed by RICOH ProcessDirector:

1. Log in to the primary computer as the system user (`aiw1`) and open a command line.
2. Enter the appropriate command below for the container engine to connect to the Reports database:
 - `docker exec -it rpd-reports-postgres psql -U username -d database`
or
 - `podman exec -it rpd-reports-postgres psql -U username -d database`
Replace `database` with the name of the database that you specified in **Administration** => **Reports** => **Database Settings**. The default is `history`.
Replace `username` with the user name that you specified in **Administration** => **Reports** => **Database Settings**. The default is `rpdreports`.

3. If prompted, enter the password that you specified in **Administration** => **Reports** => **Database Settings**.

The `psql` command prompt `database=#` is displayed. If you specified `history` as the name of the database in the command, the command prompt is: `history=#`

You now are connected to the Reports database.

4. To access the data, run SQL statements.

5. To exit `psql`, enter: `\q`

► To connect to the Reports database not installed by RICOH ProcessDirector:

1. Log in to the server hosting the reports database and open a command line as a user with access to PostgreSQL.
2. Change directories to the correct option for your system.
 - `/usr/pgsql-version/bin/`
Where `version` is the installed version of PostgreSQL.
3. Enter this command: `./psql database username`
Replace `database` with the name of the database that you specified in **Administration** => **Reports** => **Database Settings**. The default is `history`.
Replace `username` with the user name that you specified in **Administration** => **Reports** => **Database Settings**. The default is `rpdreports`.
4. If prompted, enter the password that you specified in **Administration** => **Reports** => **Database Settings**.
The `psql` command prompt `database=#` is displayed. If you specified `history` as the name of the database in the command, the command prompt is: `history=#`
You now are connected to the Reports database.

5. To access the data, run SQL statements.

6. To exit `psql`, enter: `\q`

► To connect to the Reports database:

1. Log in to the server hosting the reports database and open a command prompt as a user with access to PostgreSQL.
2. Change directories to the correct option for your system.
 - `C:\aiw\aiw1\bin\postgresql\Windows\pgsql\bin`
or
 - `<RPD Install Directory>\PostgreSQL\bin\`
3. Enter this command: `./psql database username`
Replace `database` with the name of the database that you specified in **Administration** => **Reports** => **Database Settings**. The default is `history`.
Replace `username` with the user name that you specified in **Administration** => **Reports** => **Database Settings**. The default is `rpdreports`.
4. If prompted, enter the password that you specified in **Administration** => **Reports** => **Database Settings**.

The `psql` command prompt `database=#` is displayed. If you specified `history` as the name of the database in the command, the command prompt is: `history=#`

You now are connected to the Reports database.

5. To access the data, run SQL statements.

6. To exit `psql`, enter: `\q`

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