

Proline Admin GUI

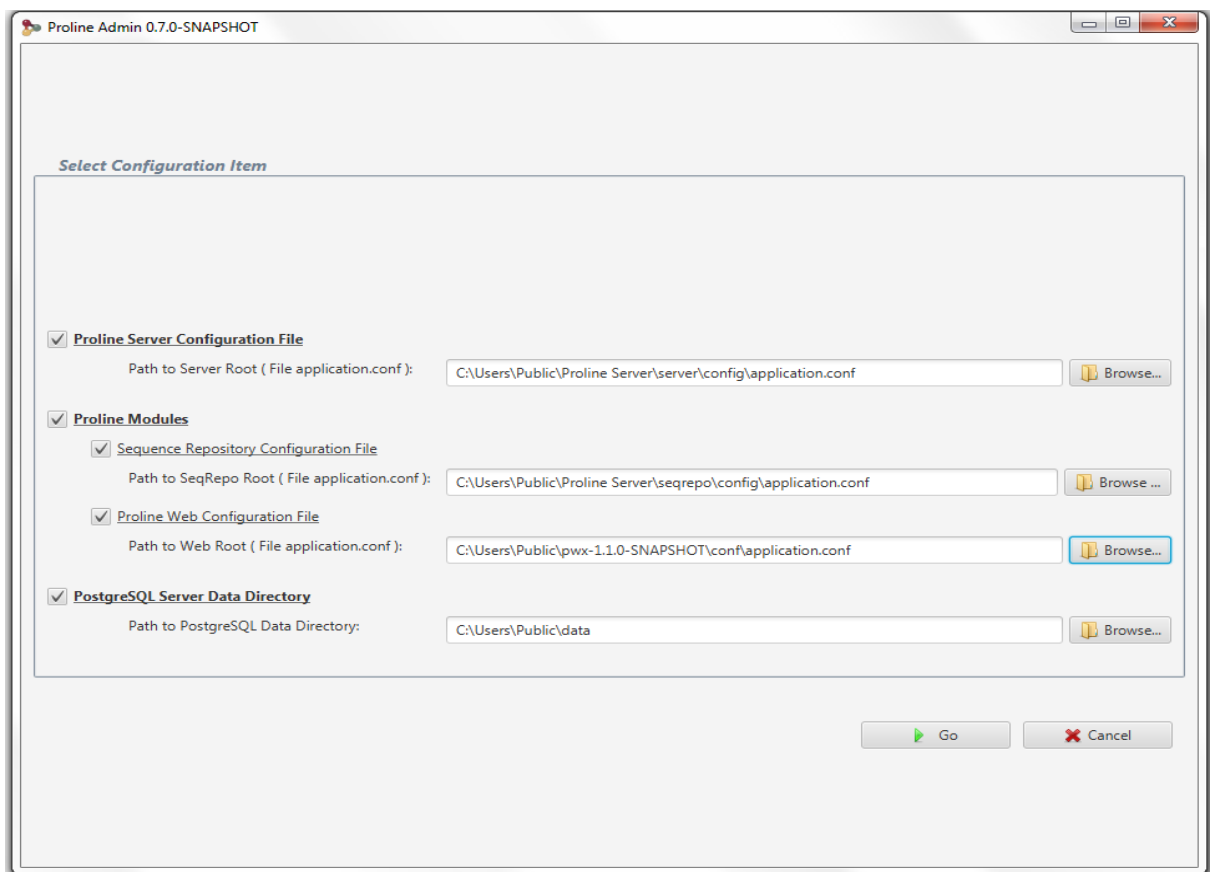
Note: All the settings shown on the screenshots only stand for examples. You must adapt them to your needs.

The Proline-Admin Gui Wizard used to configure Proline's components (items) and to create the databases needed by Proline.

Launch Proline-Admin GUI Wizard

Execute the `wizard_proline.sh` or `wizard_proline.bat` script located in the Proline Admin GUI folder.

Select configuration item



The user of Proline-Admin GUI should select the items that's he would like to configure.

Proline Server Configuration File: The full path to proline server configuration file application.conf

Proline Modules:

- Sequence Repository Configuration File: the full path to Sequence Repository Configuration file application.conf
- Proline Web Configuration File: the full path to proline web configuration file application.conf

PostgreSQL Server Data Directory: the full path to PostgreSQL data directory. This directory should contains postgresql.conf and pg_hba.conf configuration files.

Proline Server Configuration

PostgreSQL

The screenshot shows the 'Proline Admin 0.7.0-SNAPSHOT' window with the 'PostgreSQL' tab selected. The title bar reads 'Proline Admin 0.7.0-SNAPSHOT'. The main title is 'Proline Server Configuration'. Below the title bar are three tabs: 'PostgreSQL', 'JMS Server', and 'Mount Points'. The 'PostgreSQL' tab is active, showing a 'Database Server' configuration form. The form has four input fields: 'Host' (containing 'localhost'), 'Port' (containing '5432'), 'User' (containing 'postgres'), and 'Password' (containing masked characters). A warning message is displayed below the Host field: 'WARNING: Using localhost or 127.0.0.1 is not advised, as it will make Proline available from this computer only.' To the right of the Password field is a checkbox labeled 'Show password'. At the bottom right of the form is a 'Test connection' button. At the bottom of the window are two buttons: 'Next' and 'Cancel'.

- Host: the host name, using localhost or 127.0.0.0 is not advised, Proline will be configured for this computer only.
- User: the user name to connect to the database.
- Port: the port number 5432 is the default value.
 - Password: the user password to connect to Proline database. The user could use the button Test connection to verify that the information is correct.

Jms Server

The screenshot shows the 'Proline Server Configuration' window with the 'JMS Server' tab selected. The window has three tabs: 'PostgreSQL', 'JMS Server', and 'Mount Points'. Under the 'JMS Server' tab, there are two radio buttons: 'Use embedded JMS Server' (which is selected) and 'Use Specific JMS Server'. Below these, there are three text input fields: 'Host' with the value 'localhost', 'Port' with the value '5445', and 'Proline Queue Name' with the value 'ProlineServiceRequestQueue'. At the bottom right, there are two buttons: 'Next' with a right arrow and 'Cancel' with a red X.

Note: it is advised to use embedded JMS server. But user could use a specific JMS server.

- Host: the host name, default value is localhost.
- Port: the port number, default value is 5445.
- Proline Queue Name: the default value is ProlineServiceRequestQueue.

Mount Points

The file locations or mount points

Note that the section named *Mount points* is enable only if the Proline server configuration file has been located.

To add an entry to Proline server, the user should specify the name of an entry and browse its path. User could add three types of entries: Raw files, mzDB files and Result Files.

Input files (e.g. *.RAW, *.WIFF, *.D) should be set in the 'Raw files' sub-section.

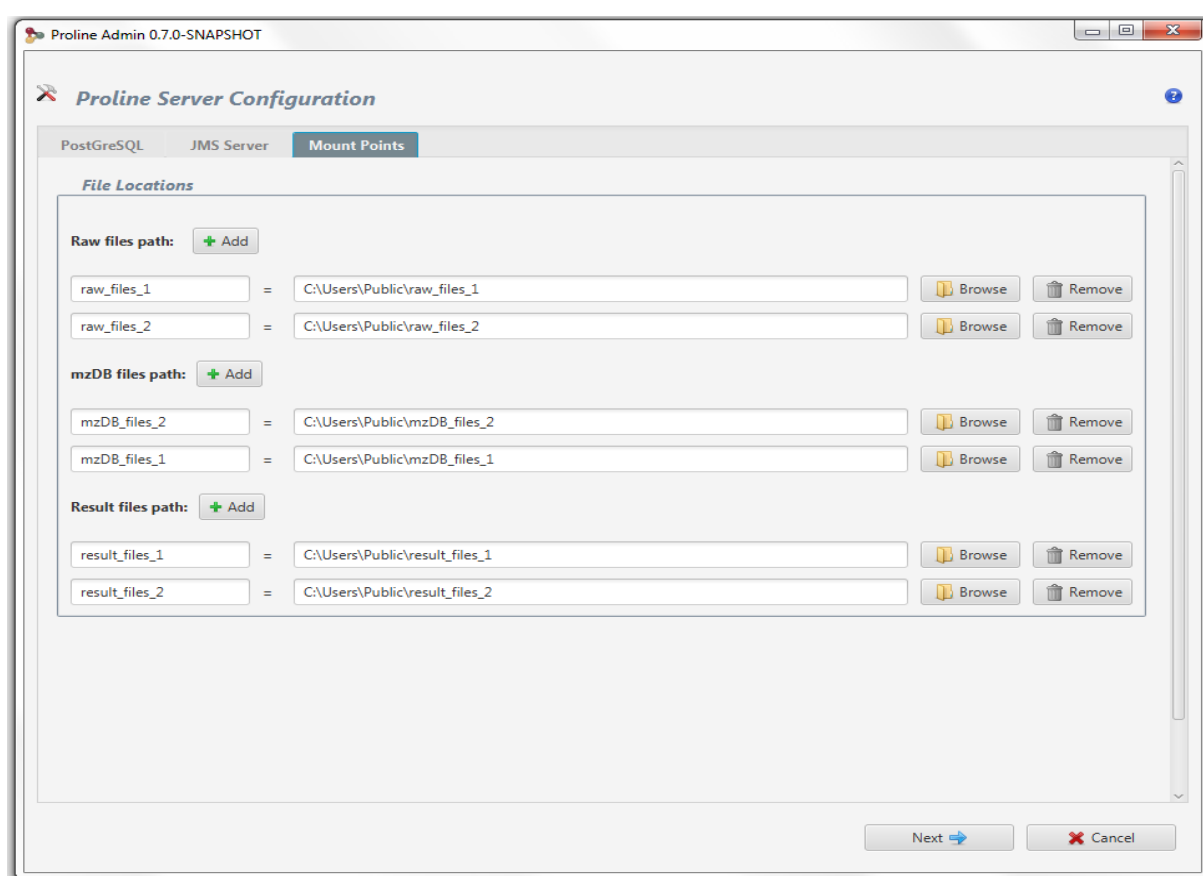
mzDB files should be set in the 'mzDB_files' sub-section.

Identification result files (e.g. Mascot .dat, OMSSA .omx) should be set in the 'Result files' sub-section.

Several alias/full_path pairs can be used or each. Aliases can be any valid string chosen by the administrator to help the users identify a mount_point. If multiple repositories are defined, aliases must be different.

!! Important: on a Windows server installation, please use UNC style to access remote disks instead of mounted disk on letters. Otherwise Proline won't be fully functional. ex: use \\my_server\\disk\\folder instead of a mounted disk on Z: (Z: mounted as \\my_server\\disk\\folder)

Result identification files (Mascot dat, OMSSA or X!Tandem) as well as mzDB files (for the XIC Quantitation process) are only browsed from Proline Server side.



Proline Module Configuration

PostgreSQL

The screenshot shows the 'Proline Module Configuration' window for PostgreSQL. The window has a title bar 'Proline Admin 0.7.0-SNAPSHOT' and a toolbar with a question mark icon. Below the toolbar, there are three tabs: 'PostgreSQL' (selected), 'JMS Server', and 'Sequence Repository Specific'. The 'PostgreSQL' tab is labeled 'Database Server'. The configuration fields are as follows:

- Host:** A text box containing 'localhost'. Below it, a warning message reads: 'WARNING: Using localhost or 127.0.0.1 is not advised, as it will make Proline available from this computer only.'
- Port:** A text box containing '5432'.
- User:** A text box containing 'postgres'.
- Password:** A password field with masked characters (dots). To its right is a checkbox labeled 'Show password'.

At the bottom right of the configuration area is a button labeled 'Test connection'. At the bottom of the window are three navigation buttons: 'Previous' (disabled), 'Next' (active), and 'Cancel'.

- Host: the host name, using localhost or 127.0.0.0 is not advised, Proline will be configured for this computer only.
- User: The user name to connect to the database.
- Port: 5432 is the default value of port number.
- Password: user's password to connect to the database.

The user could use the button Test connection to verify the information is correct.

Jms Server

The screenshot shows the 'Proline Admin 0.7.0-SNAPSHOT' window with the 'Proline Module Configuration' tab selected. The 'JMS Server' sub-tab is active, showing two radio buttons: 'Use embedded JMS Server' (unselected) and 'Use Specific JMS Server' (selected). Below the radio buttons, the 'JMS Server' section contains three text input fields: 'Host' with the value 'localhost', 'Port' with the value '5445', and 'Proline Queue Name' with the value 'ProlineServiceRequestQueue'. At the bottom right, there are three buttons: 'Previous' (disabled), 'Next' (disabled), and 'Cancel' (disabled).

JMS server properties: is advised to use the default embedded JMS server properties. But user could use a specific JMS server.

- Host: the host name, the default value is localhost.
- Port: Port number, the default value is 5445.
- Proline Queue Name: Proline Queue Name property, the default value is ProlineServiceRequestQueue.

Sequence Repository specific

Proline Admin 0.7.0-SNAPSHOT

Proline Module Configuration

PostgreSQL JMS Server **Sequence Repository Specific**

Parsing Rules

Default Protein Accession:
>(\S+) Default

Local Fasta Directories: + Add

D:\temp\fasta Browse Remove

C:\Users\Public\Fasta_directory Browse Remove

Parsing Rules: + Add

Id	label1	Fasta Pattern	ISA_	Remove
Fasta File Version	_(?:D(?:Decoy))_.*)\.fasta	Accession Parse Rule	>\w{2}[(^\)]+\	
Id	label2	Fasta Pattern	UP_S_cerevisiae_MyDB	Remove
Fasta File Version	_(?:D(?:Decoy))_.*)\.fasta	Accession Parse Rule	>\w{2}[(^\)]*(\S+)	
Id	label3	Fasta Pattern	UP_S_cerevisiae_MyDB	Remove
Fasta File Version	_(?:D(?:Decoy))_.*)\.fasta	Accession Parse Rule	>\w{2}[(^\)]*(\S+)	

Previous Next Cancel

Default Protein Accession: Default Java Regex with capturing group for protein accession if Fasta file name doesn't match parsing rules RegEx.

The default value will be `>(\S+)` : String after '>' and before first space.

The button Default: will reset the Default Protein Accession to its default value `>(\S+)` .

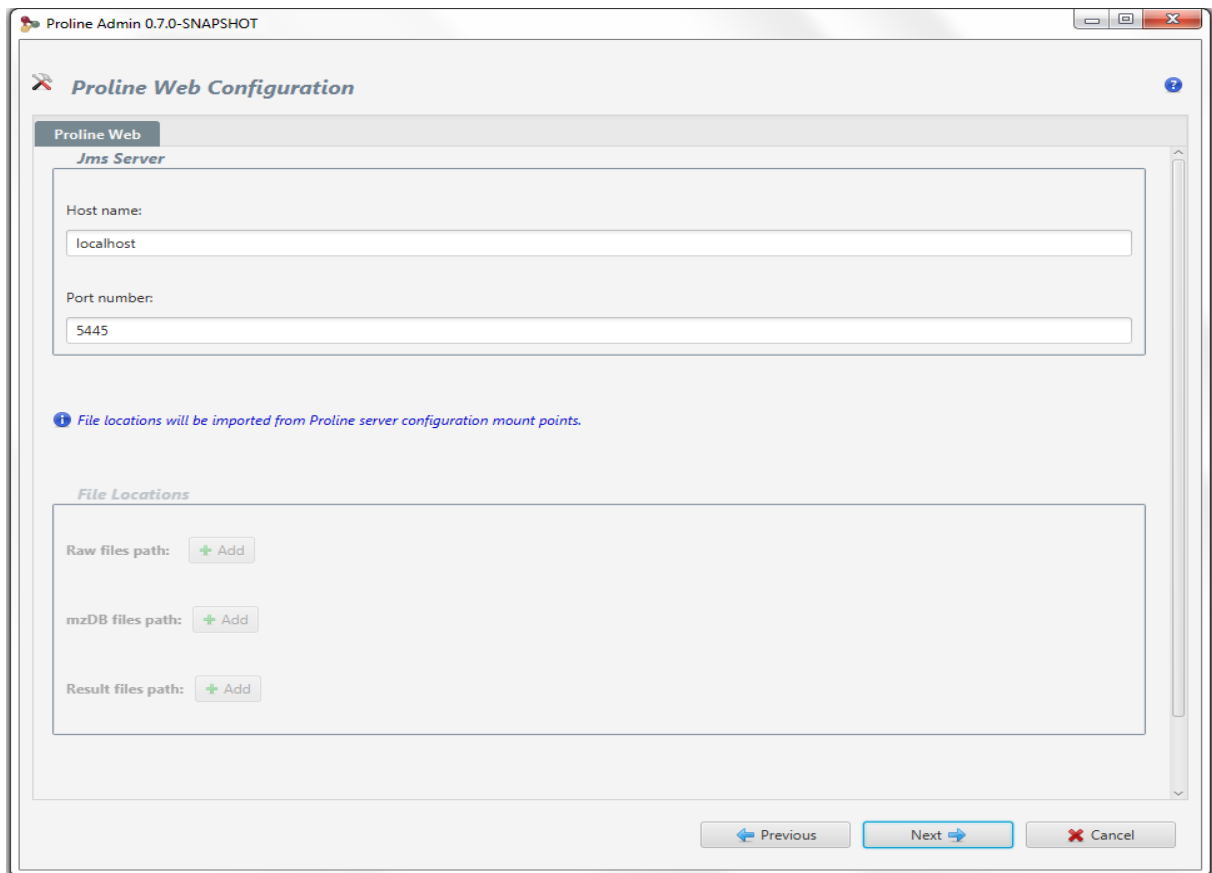
Local Fasta Directories: Fasta files for SeqRepository daemon. User can browse multiple Fasta directories.

User can add Parsing Rules:

- Id or name: identifying rule definition
- Fasta pattern or fasta-name: FASTA file name must match specified Java Regex CASE_INSENSITIVE.
- Fasta File Version or fasta-version: Java Regex with capturing group for Fasta release version string (CASE_INSENSITIVE).
- Accession Parse Rule or protein-accession: Java Regex with capturing group for protein accession.

Proline Web Configuration

Proline Web



Proline Admin 0.7.0-SNAPSHOT

Proline Web Configuration

Proline Web

Jms Server

Host name:
localhost

Port number:
5445

File locations will be imported from Proline server configuration mount points.

File Locations

Raw files path:

mzDB files path:

Result files path:

JMS server properties is advised to use the default values . Proline Web use the same files locations as proline server.

If the user has selected the proline server configuration item , the files locations will be imported from proline server mount points otherwise user can add new file locations to proline web.

PostgreSQL Server Configuration

PG Optimization

If the data directory has been correctly defined in select configuration item (Home page), this new configuration tab, *PostgreSQL Optimization*, will help you to modify the PostgreSQL postgresql.conf easily. However, it is possible to manually edit this file (see [Setting up Proline manually](#) section below).

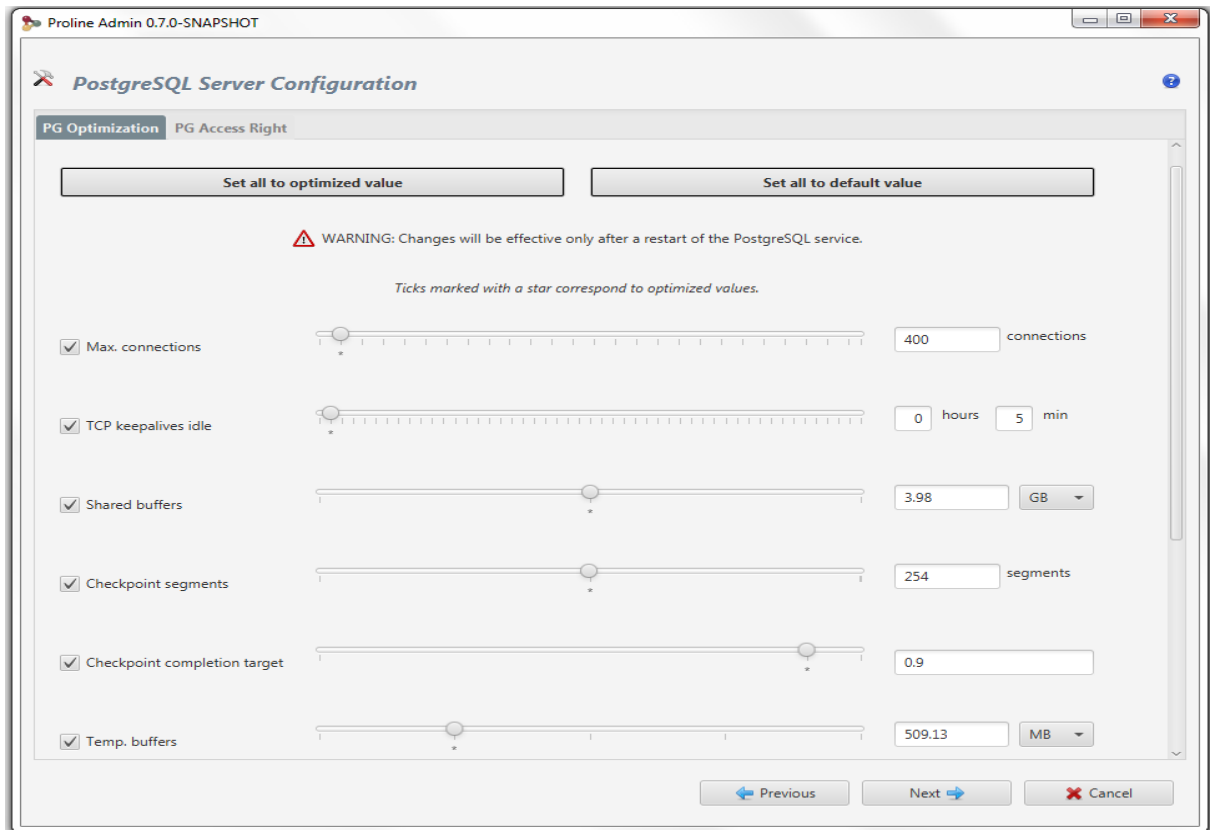
The easiest way to use it is to simply click on *Set all to optimized value*.

Each line under this block corresponds to a tuneable parameter. If the first box of the line isn't checked, then it will be commented in the configuration file (not taken into account). You can use

either the sliders or the fields and boxes to change the values. Keeping the mouse over a parameter name for a few seconds will display a tooltip to help you understand what this parameter is about.

As you can see, at the top of the modal window stand 2 buttons:

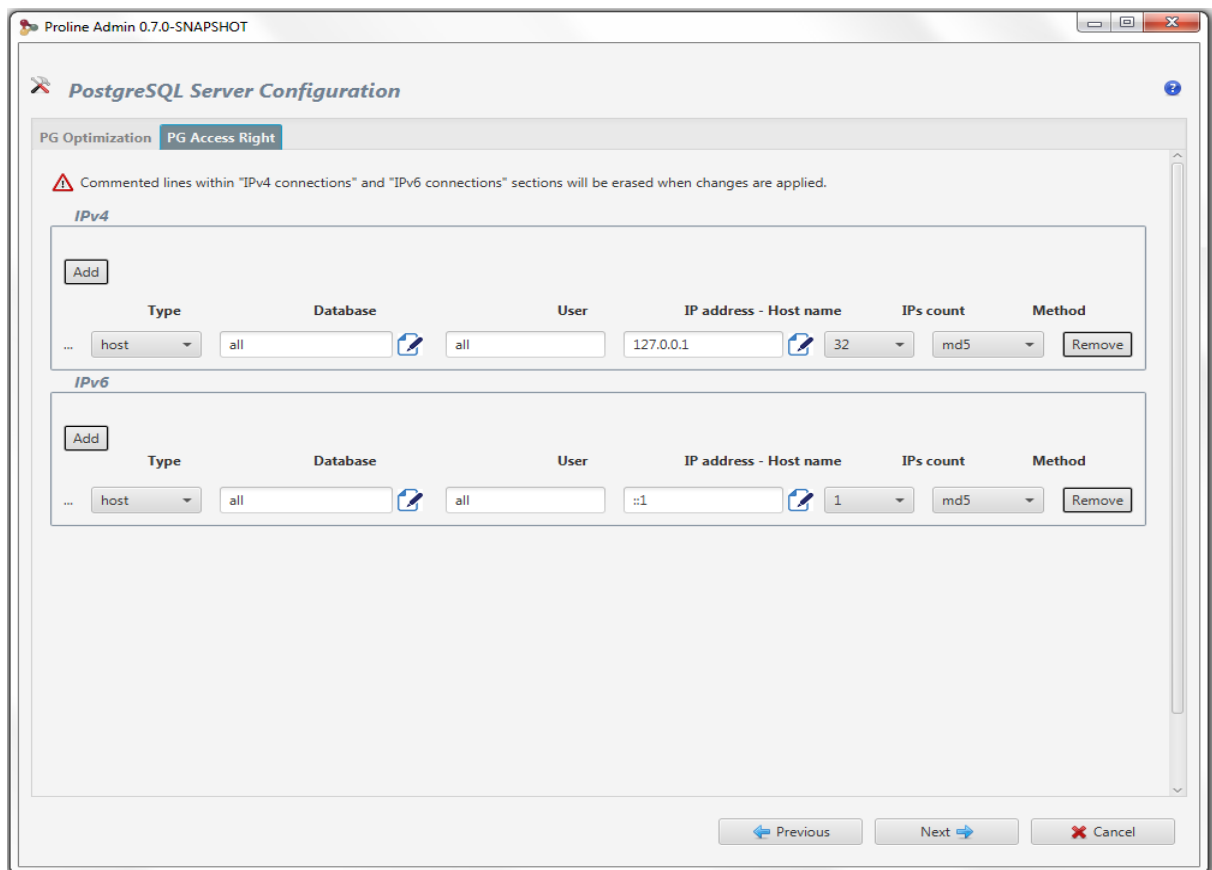
- 'Set all to optimized value': compute, for each parameter, the most appropriate value, given your machine properties and the application (Proline usage);
- 'Set all to default value': set default value (compute it if needed) for each parameter.



PG Access Rights

Warning: You should have administration rights to configure Postgresql and run Proline AdminGUI as “administrator”

If the data directory has been correctly defined in in select configuration item (Home page), this new configuration tab, *Pg Access Rights*, will help you to modify the postgresql pg_hba.conf easily. However, it is possible to manually edit this file (see [Setting up Proline manually](#) section below).



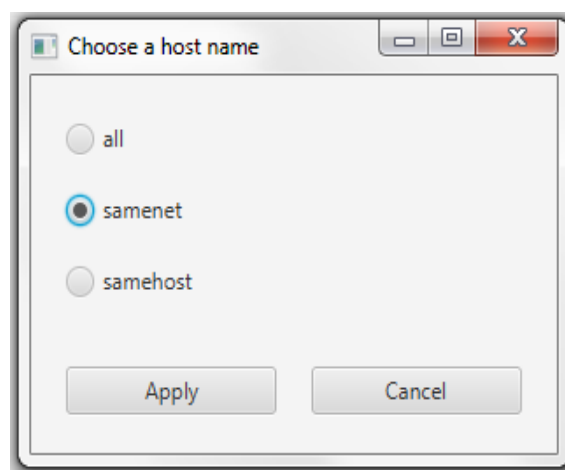
Warning: Many changes will be effective only after a restart of the PostgreSQL service, which is not yet handled by Proline Admin GUI (needs to be done manually).

The other sections allow you to configure PostgreSQL Client Authentication. **At least you should add the own server ip (<server_ip>) and configure the range of ips for client**

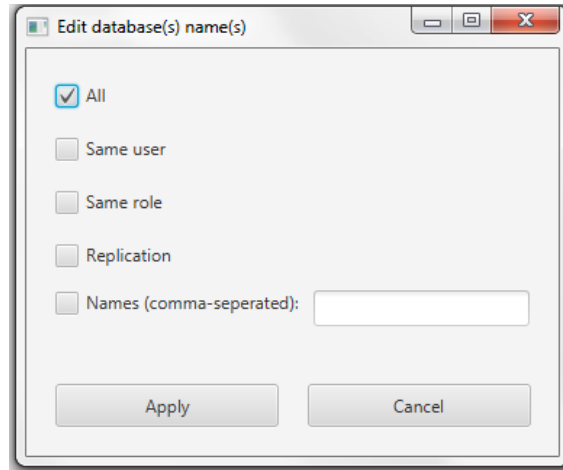
For example, to accept connection for computers with IP from a.b.c.0 to a.b.c.254 specify a.b.c.0 as IP addresses and 256 as IPs Count.

Or use

- all: to match any address.
- samenet: to match any address in any subnet that the server is directly connected to.
- samehost: to match any of the server's own IP addresses.



Tooltips on column header help you understand how to create a new connection. The icon near the 'Database' field opens a window to help you design the database name. See [PostgreSQL Documentation](#) for more help.



Summary

This section summarizes the new configurations of the selected items.

Proline Server Configurations

PostgreSQL: Ok if the connection to the database successfully established otherwise PostgreSQL: NOK

Mount Points: the number of mount points has been entered.

JMS Server: The type of JMS server.

Set up or Update Proline databases: the user should wait until proline is setup or to update Proline Databases.

Warning: This process could take some hours!

Proline Sequence repository

PostgreSQL: Ok if the connection to the database successfully established otherwise PostgreSQL: NOK

Parsing rules the number of parsing rules has been entered.

JMS Server: The type of JMS server.

Proline Web

Mount Points: the number of entered mount points.

PostgreSQL Server Configuration

Access Right and Optimization to PostgreSQL server.

Warning: Click validate to save all changes for all items .

