# Netezza Workbench Documentation

## Table of Contents

Tour of the Work Bench ................................................................. 2

Database Object Browser ................................................................. 2

   Edit Comments ................................................................. 3

   Script Database: ................................................................. 3

Data Review → Show Top 100 .......................................................... 4

Data Review → Find Duplicates ....................................................... 4

Script → Select, Insert, and DDL ..................................................... 4

   Edit Comments ................................................................. 4

Advanced → Show Distribution ..................................................... 4

Advanced → Reclaim ................................................................. 4

Import/Export Data ................................................................. 4

   Store Procedures ................................................................. 5

Query Tabs and Results Window .................................................... 5

   Tabbed browsing ................................................................. 5

   Syntax-based Styling ............................................................. 5

   Highlighted Execution .......................................................... 5

   Sort Results ................................................................. 5

Menu Bar ......................................................................................... 6

Query → Wordwrap ........................................................................ 6

Query → Current options ............................................................. 6

Object Menu .................................................................................. 6

Tools → Sql Dump Runner ............................................................ 6

Tools → Reverse Engineer Database ............................................. 7

Tools → Compare Database Schema ............................................. 7

Tools → Options ........................................................................... 8
The Aginity Netezza Workbench is a free software tool which provides basic database querying along with advanced features that help Netezza administrators and developers harness the power of Netezza.

**Tour of the Work Bench**

To begin, let’s familiarize ourselves with the Aginity Netezza Workbench command window. Notice that the Workbench looks very similar to other database querying tools:

**Database Object Browser**

This window allows you to fully browse any database you create in Netezza as well as to access database and table-specific functions.

By right-clicking a database or table you can access functions specific to each object.

Functions specific to each object type:
**Edit Comments**

Comments allow you to make notes of changes and modifications. They are editable via the Workbench and SQL queries.

**Script Database:**

This option allows you to publish a sql command file with all of the necessary commands to completely rebuild your database structure.

You can also customize which objects need should be included in the script.
Data Review → Show Top 100
Executes a select script requesting the top 100 records.

Data Review → Find Duplicates
Generate a script to find the first 100 duplicates in the table. Finding duplicates by primary key is particularly useful since Netezza does not strictly enforce primary key integrity. If the table contains a primary key, only the primary key is used. Otherwise the script will group by each field in the table.

Note: The scripts are not run automatically; you need to execute it yourself.

Script → Select, Insert, and DDL
Generate basic select, insert, and DDL commands to either be pasted to the query window or to your clipboard. The DDL command provides all of the necessary queries to rebuild or copy this table’s structure.

Note: The scripts are not run automatically; you need to execute it yourself.

Edit Comments
Make notes of changes and modifications. Comments are also available for table columns. They are editable via the Workbench and SQL queries.

Advanced → Show Distribution
Visualize how your data is distributed over the SPUs in your Netezza system. Data in blue is live data, red is data that has been deleted but is yet to be reclaimed.

Advanced → Reclaim
Generate a script to *irrevocably* delete records from the database.

Note: The scripts are not run automatically; you need to execute it yourself.

Import/Export Data
Export and import table from/to external text files. The import/export menu allows you to customize the operation around the way your data is formatted, including date, null, and binary formatting.
Store Procedures
You can also create and run stored procedures in the Aginity Netezza Workbench.

Query Tabs and Results Window

The Query Tabs and Results Window enables you to interact with your Netezza databases easily.

Features include:

Tabbed browsing
Simply click New to open a new tab. Each tab has its own associated results window and can be saved in a separate sql query file.

Syntax-based Styling
Queries are color-coded so you are always sure your query is structured properly. You can turn this feature off, by going to Query Option under the Query menu, which is located on the top of the workbench.

Export Results to Excel and CSV files
Right-click any cell or row in the results grid to export all rows in the results grid to an Excel 2003 XML file or CSV file.

Warning: Excel 2007 throws an error when you open an Excel 2003 XML file. If your data is not returned correctly, try importing the CSV version into Excel instead.

Variable Execution
Highlight the queries you want to execute to select which queries you want to run.

To execute all queries as a single batch, press Ctrl+F5 in the query window.

To execute every query, each with their own results window, press Shift+F5.
Sort Results
Sort results by the column of your choice - click the column header. If you click it twice times, it alternates between descending and ascending.

Info Icon
Place the cursor over the blue info icon in the results grid to see which SQL script it corresponds to, how many rows it affected, and the time it took to run. See the same information in an alert window by right-clicking the icon.

Clicking the icon will select all of the rows in the results grid.

Menu Bar
The menu bar also allows you to access more functions essential to Netezza.

Query → Wordwrap
Click this to force your text to wrap within the query text editor.

Query → Current options
From here you can turn off/turn on syntax highlighting. You can also set the time limit for query timeouts, this is in seconds.

Object Menu
The object menu allows you to access all of the functions associated with the objects described above. Select the object and then click on the desired command from the Object menu.

Tools → Sql Dump Runner
The SQL Dump Runner allows you to run each query in a debug mode.
**Tools → Reverse Engineer Database**

This command is similar to the Script Database command except that you must provide the connection information that database you want to reverse engineer.

**Tools → Compare Database Schema**

Select any two databases and click Compare to get started. After the comparison has completed running you will see something similar to the following:

Objects highlighted in red are missing or different from the other schema. Clicking the Alter Script button for the respective window creates a sql scripts file which will reconcile any differences with the other database.

**Please note this command will not create any insert statements to rectify changes in the data.**
Completely customize the Aginity Netezza Workbench via the Options menu. Some options of interest:

**General**
Set the default query time here. You can also adjust the number of files shown in Most Recently Used file menus.

**Fonts and Colors**
Here you can customize how your queries and syntax highlighting look.

**Query Analyzer Defaults**
From this menu, you can adjust object browser settings, the number of results returned from a query, and enable syntax highlighting. You can also change the format of the date fields that are returned in the results window.

**Query Analyzer Data import/export**
From this menu, you can adjust the default settings for importing and exporting data.