CUBRID Manager R4.0
Release Note

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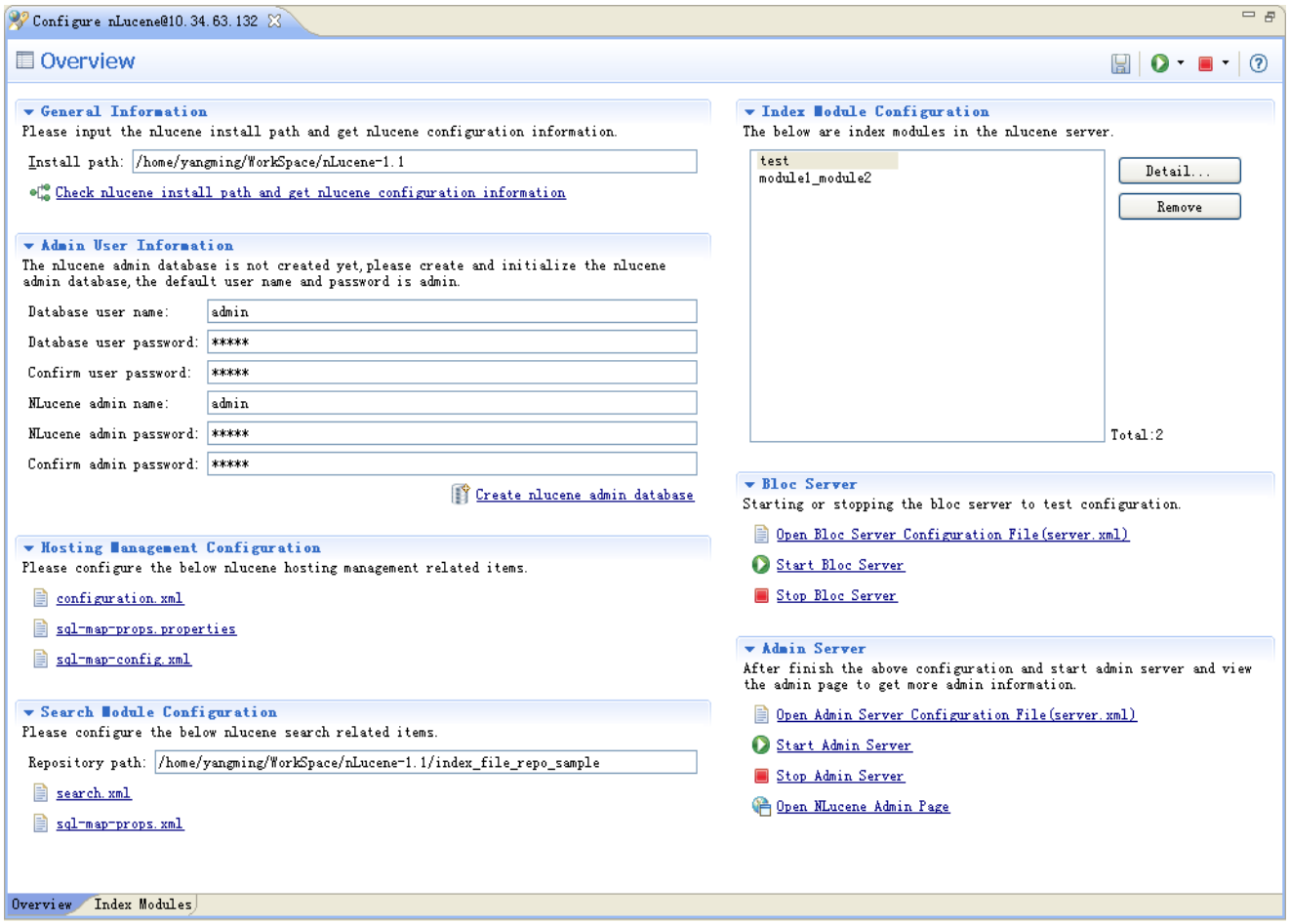
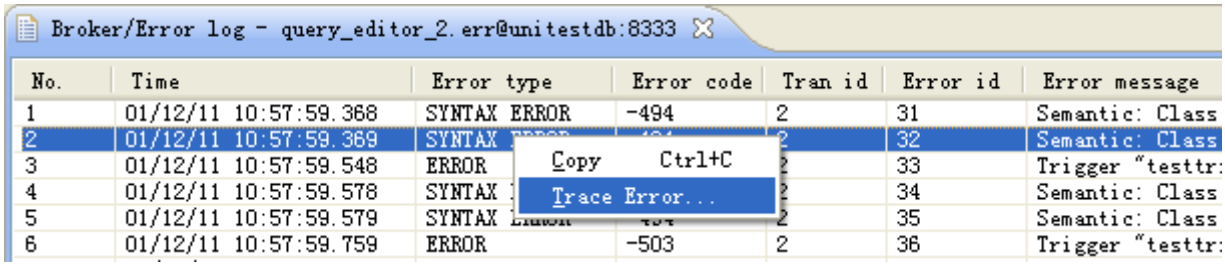
1. New Features

Add nLucene plug-ins to support nLucene configuration functions for CUBRID database

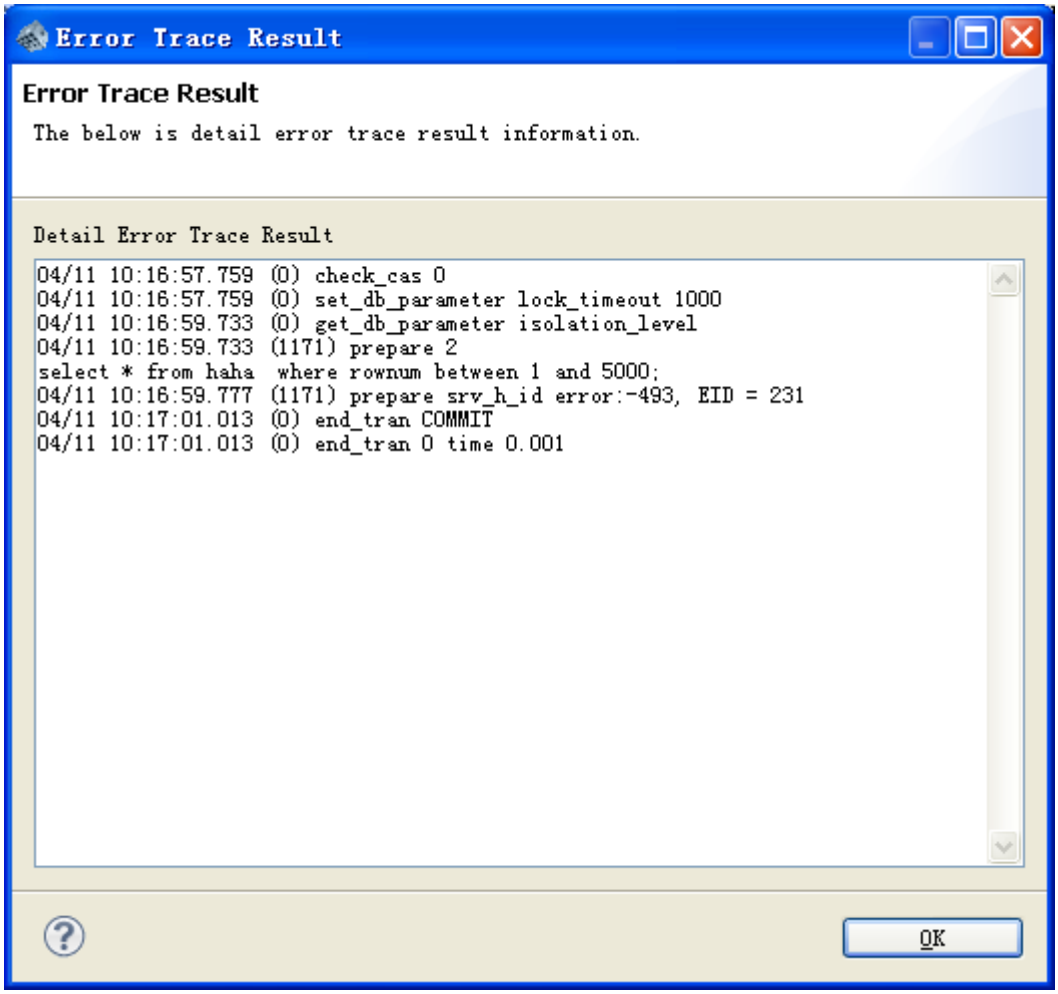


Add error trace function for broker error log, now only support SYNTAX ERROR type log

1. Open the broker error log editor, open the context menu for SYNTAX ERROR



2. Error Trace Result

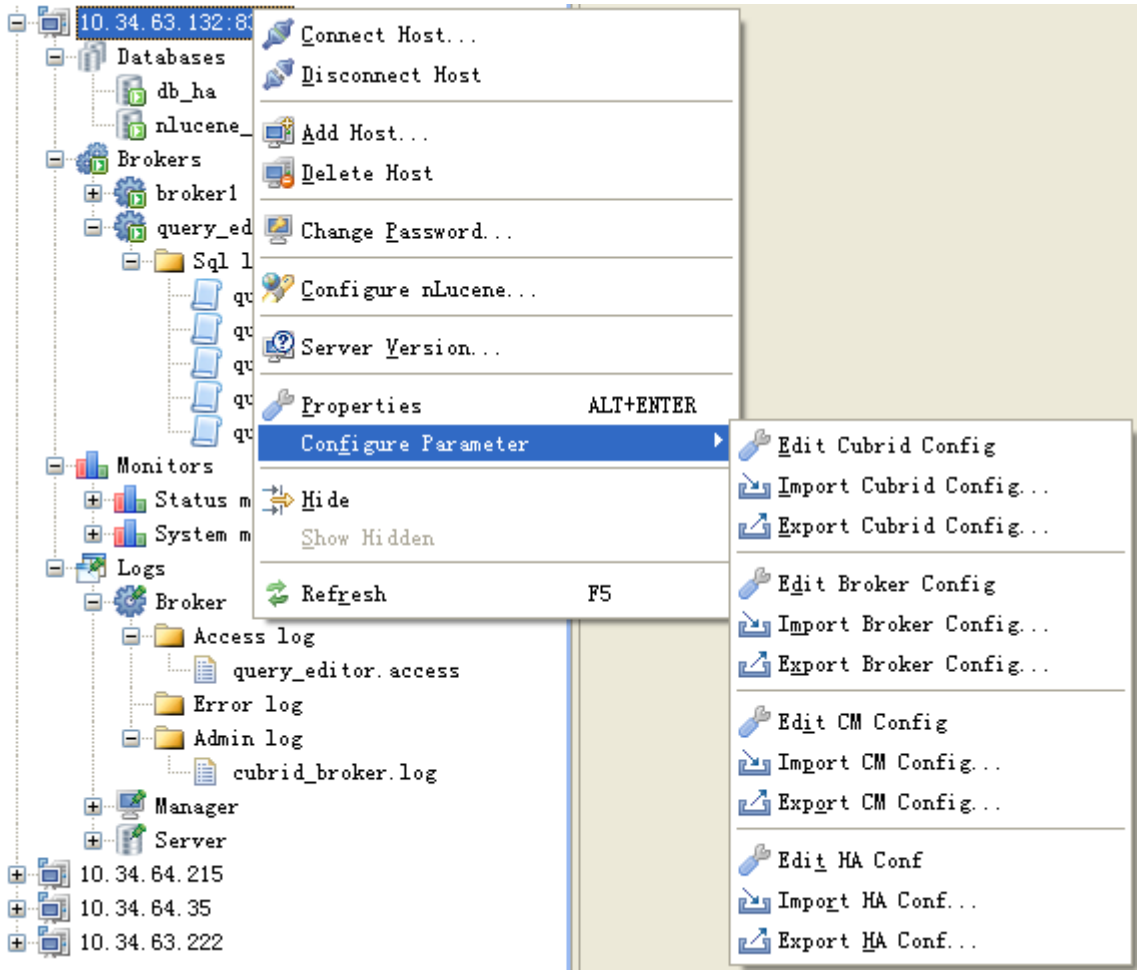


Add encrypt and decrypt function for sent message and received message

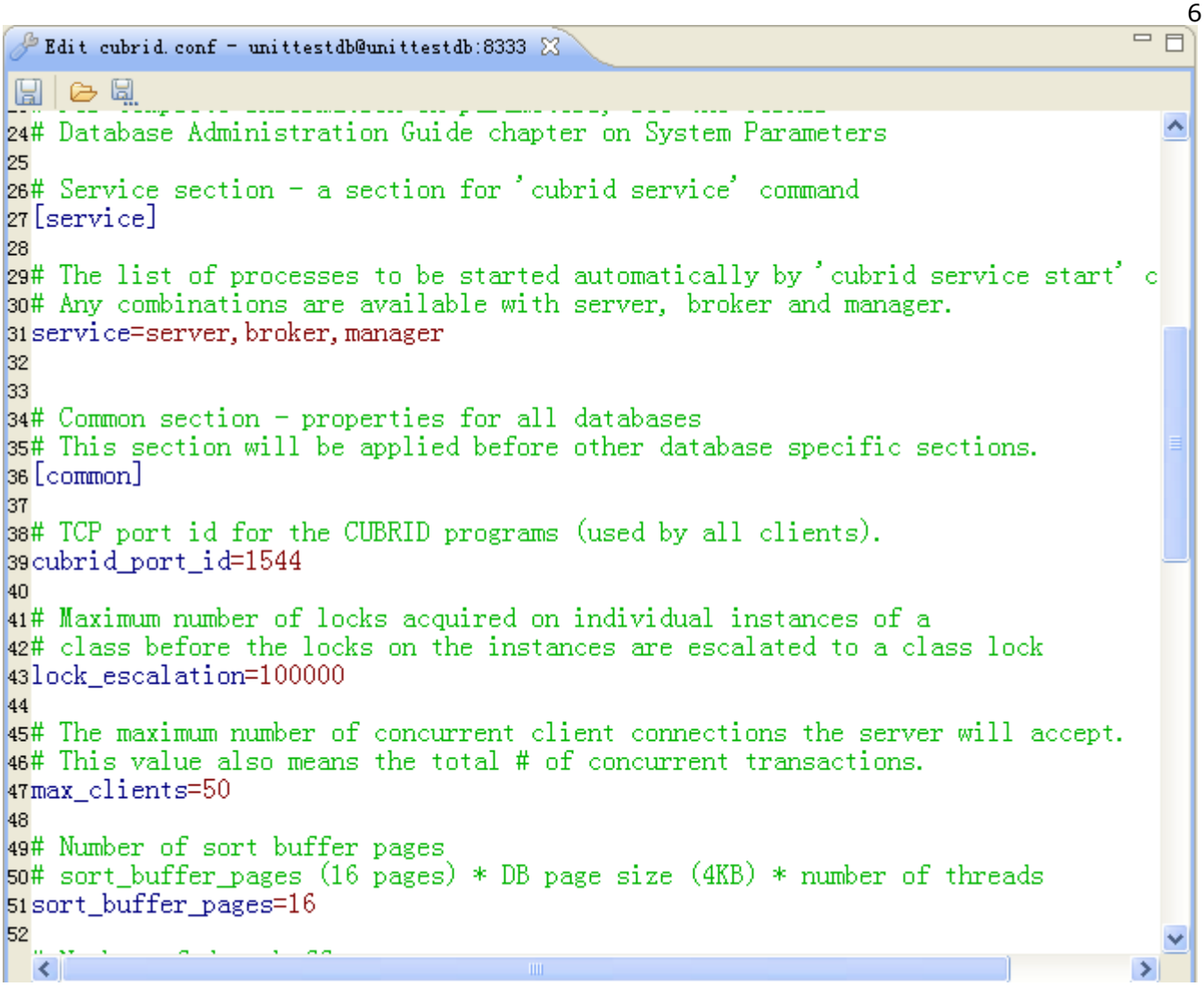
Encrypt and decrypt all user related message

Add property editor to support that edit the configuration file(cubrid.conf,cm.conf,cubrid_broker.conf,cubrid_ha.conf),export and import configuration file

Configuration Parameter menu:

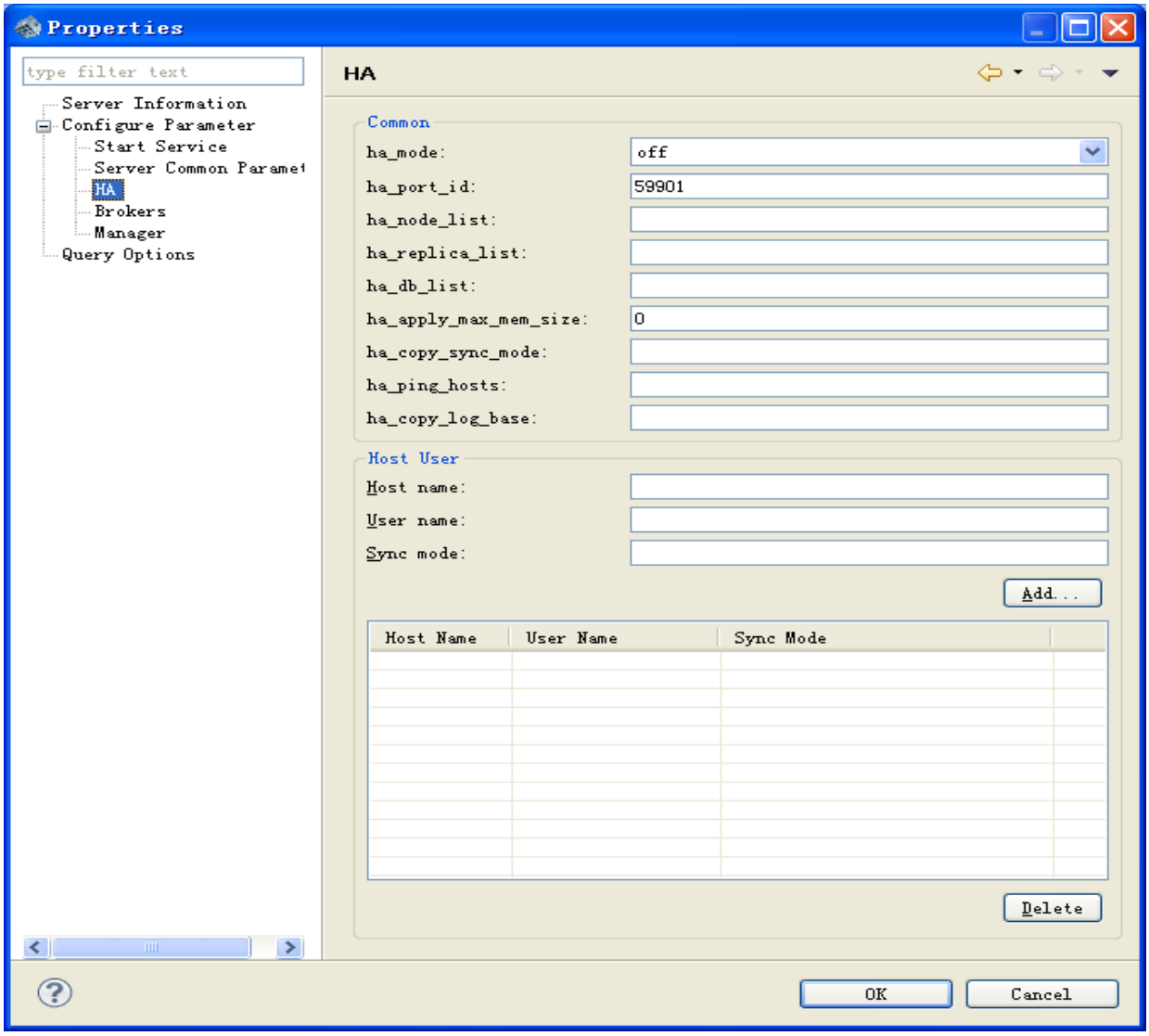


Configuration parameter editor

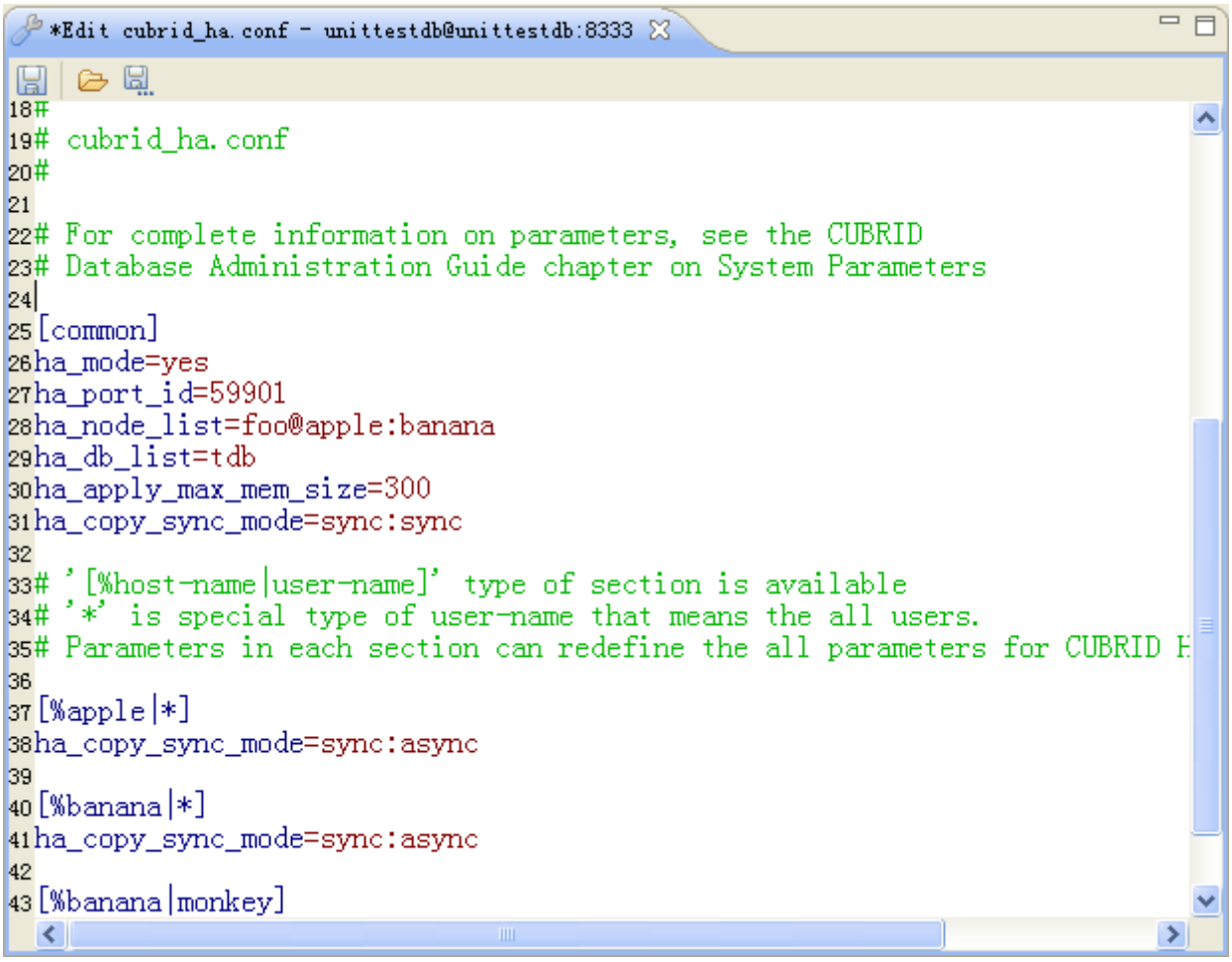


Support new cubrid_ha.conf configuration file parameter

1. Support by host Properties

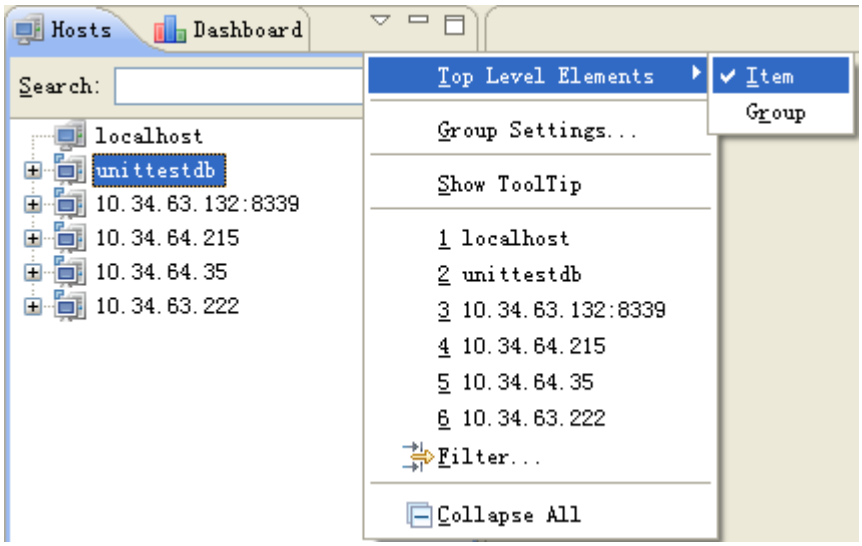


2. Support by properties editor

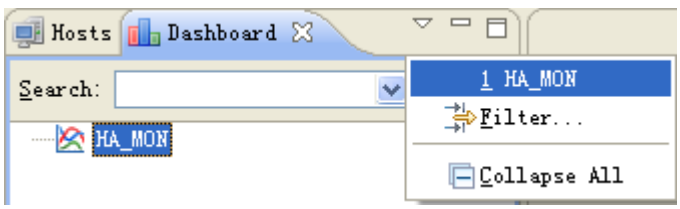


Add host navigator menu and dashboard navigator menu

1. Host navigator menu.

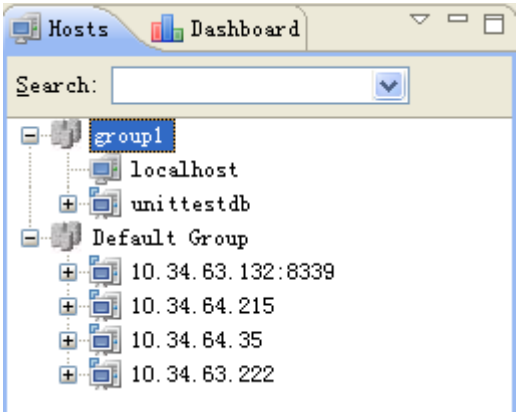


2. Dashboard navigator menu



2. Top Level Elements

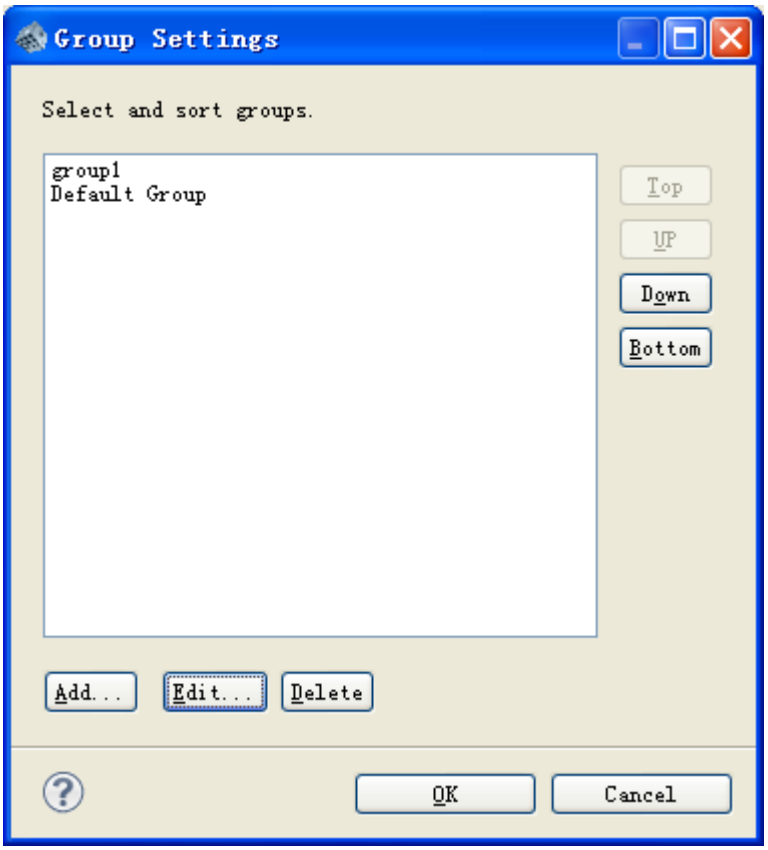
   This menu can control the top level element type of the host navigator. When Item is checked, ths host navigator top level element is host. If Group is checked, the top level element is group.



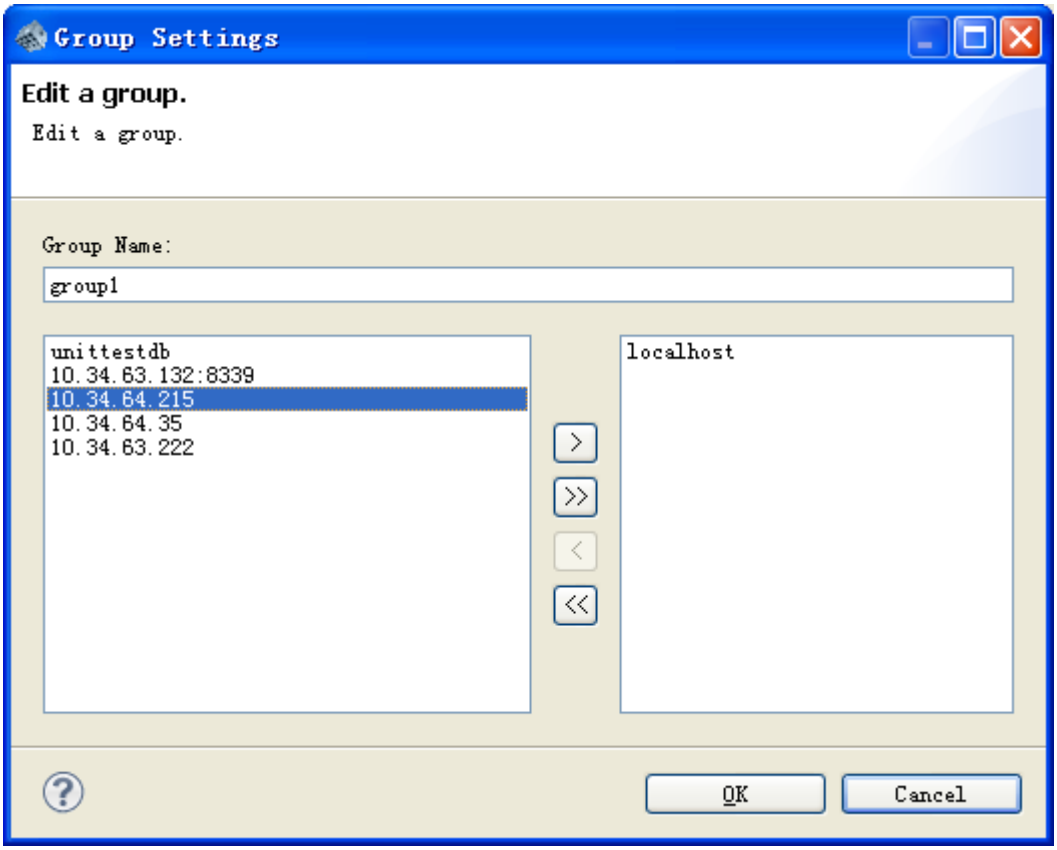
3. Group Settings…

   This function can manage the group including sort ,add ,edit and delete group.

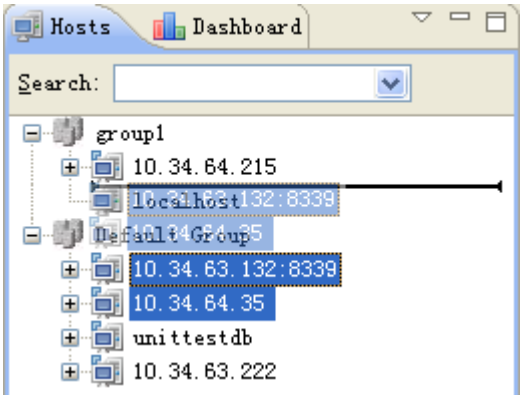
   (1) Group settings dialog can show all groups and sort group



   (2) Add or edit group dialog



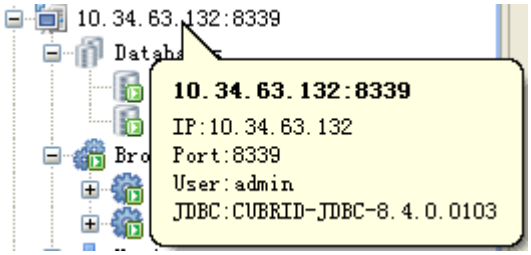
(3) Group setting also support to group by drag and drop



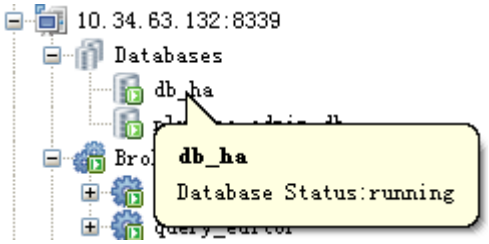
4. Show ToolTip

This function can support to show tooltip text for host and database and broker.

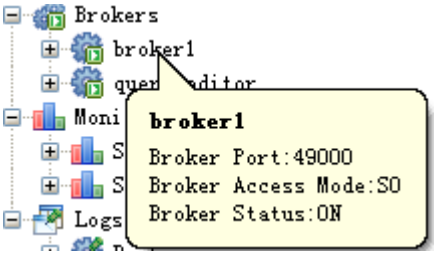
(1) Host tooltip text



(2) Database tooltip text



(3) Broker tooltip



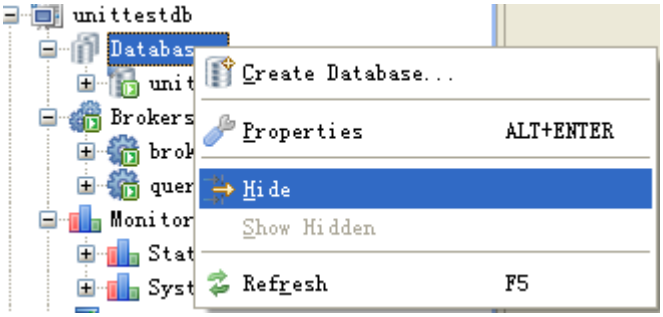
5. Top Level element filter and filter…

(1) Filter by view menu

The navigator menu will show all the top level elements in host navigator or dashboard navigator. You can check or uncheck to control whether show them.

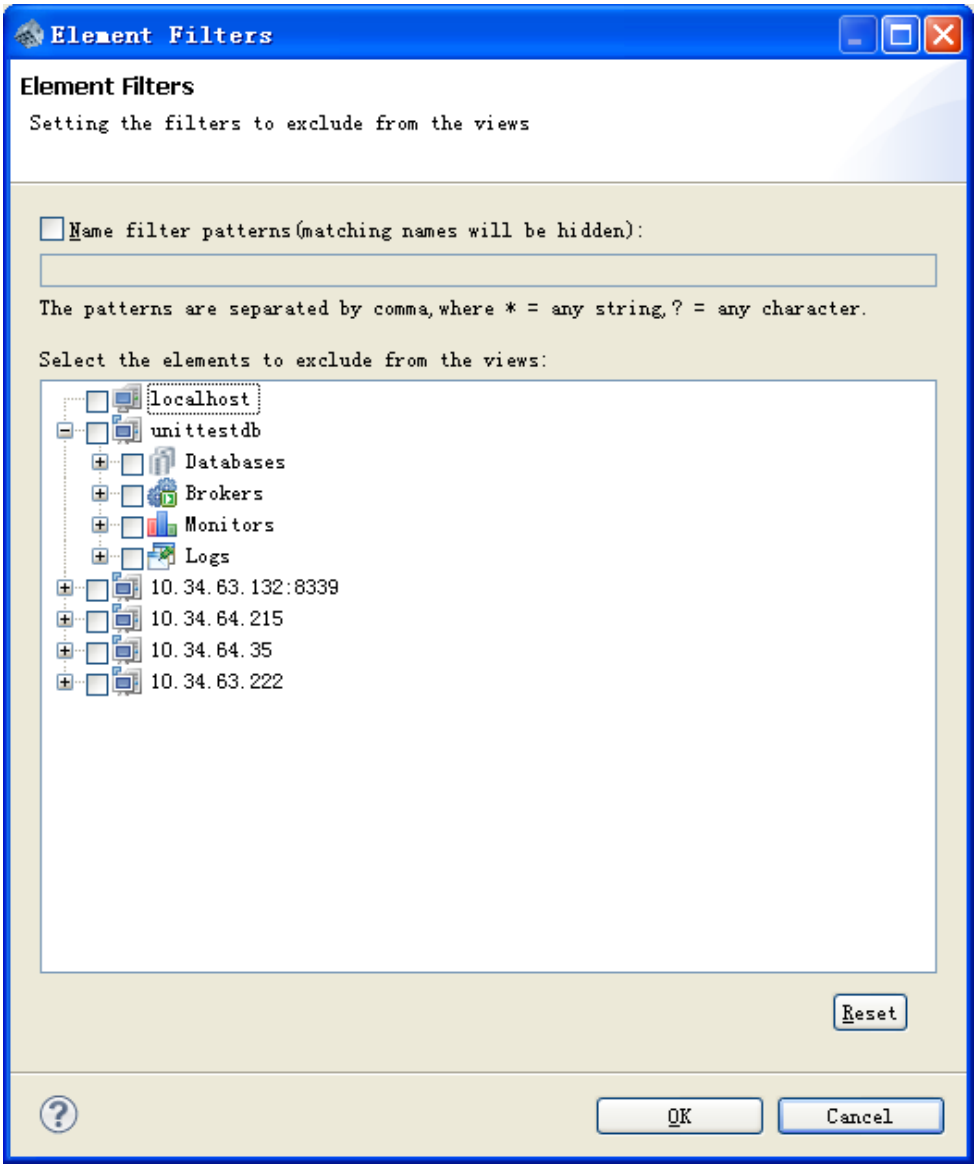
(2) Filter by item menu

Every element's context menu will include [Hide] and [Show Hidden] menu item



(3) Filter…

Click the Filter… navigator menu item to pop up the filter dialog



(1) Can filter by the elements name patterns, * stand for any string, ? stand for any character

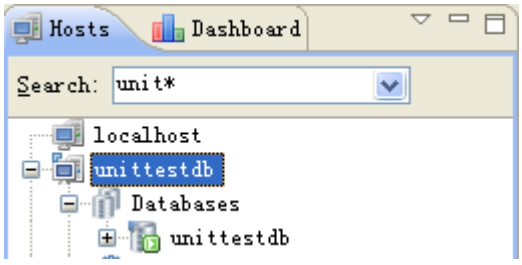
(2) Can filter every elements

6. Collapse all

   Collapse all tree item.

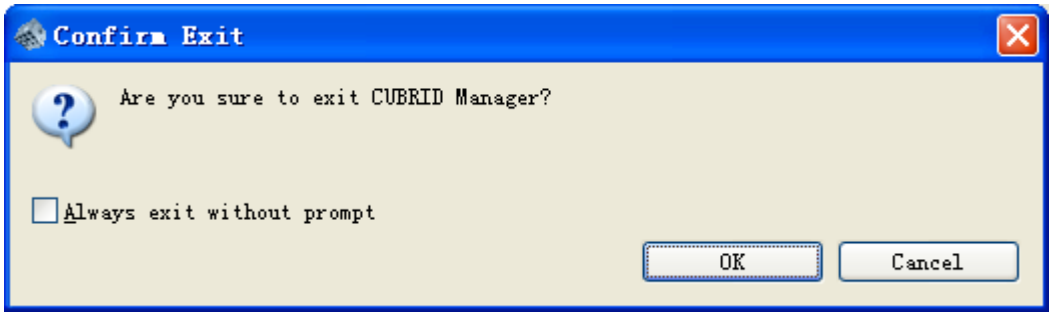
Add navigator search combo

Add the navigator search combo to support search the navigator item. Press Enter key to start to search, Press F3 to search the next.

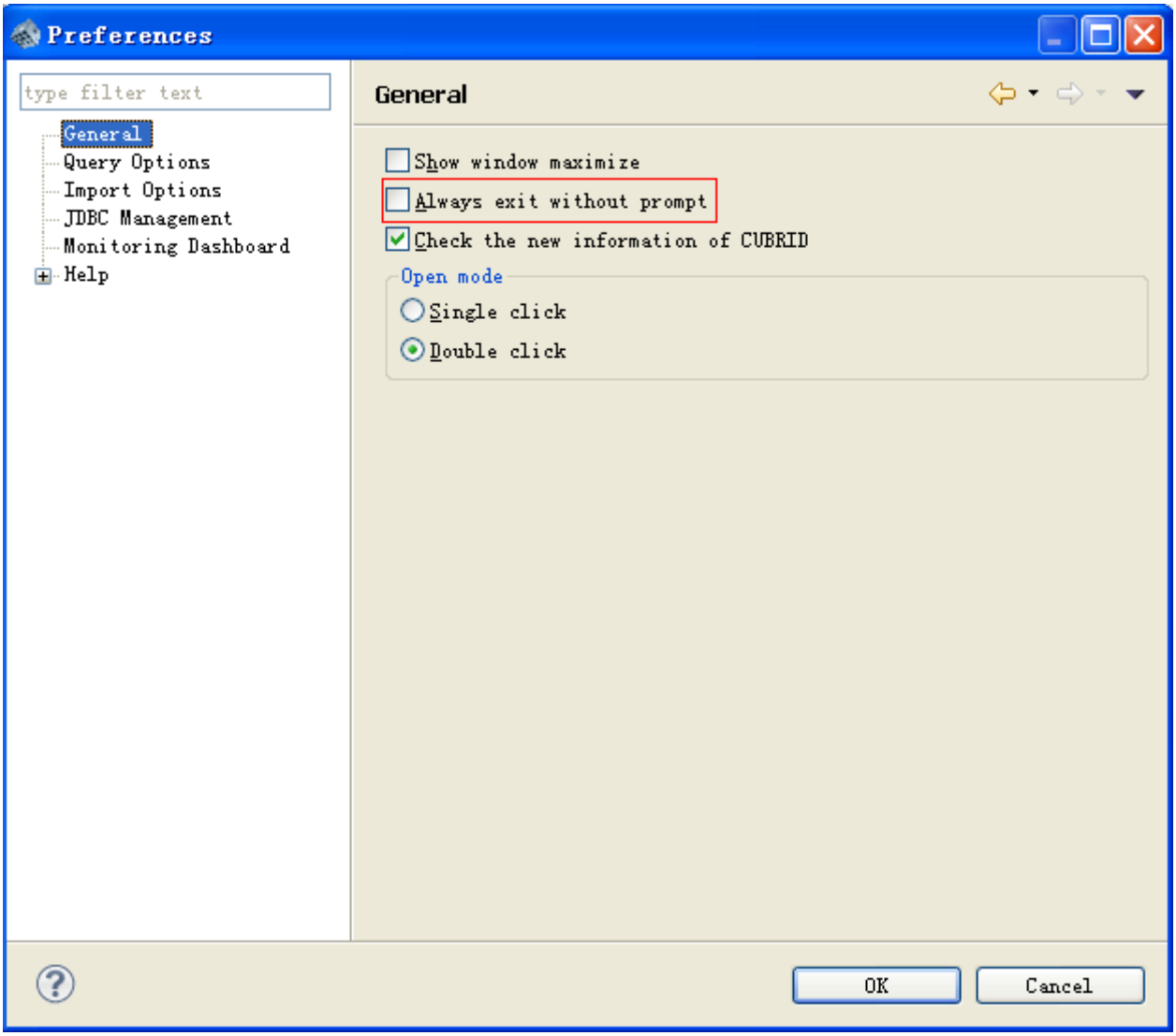


Can customize the prompt function when CUBRID Manager exit

1. When close CUBRID Manager, will pop up the prompt dialog. You can set whether prompt on exit

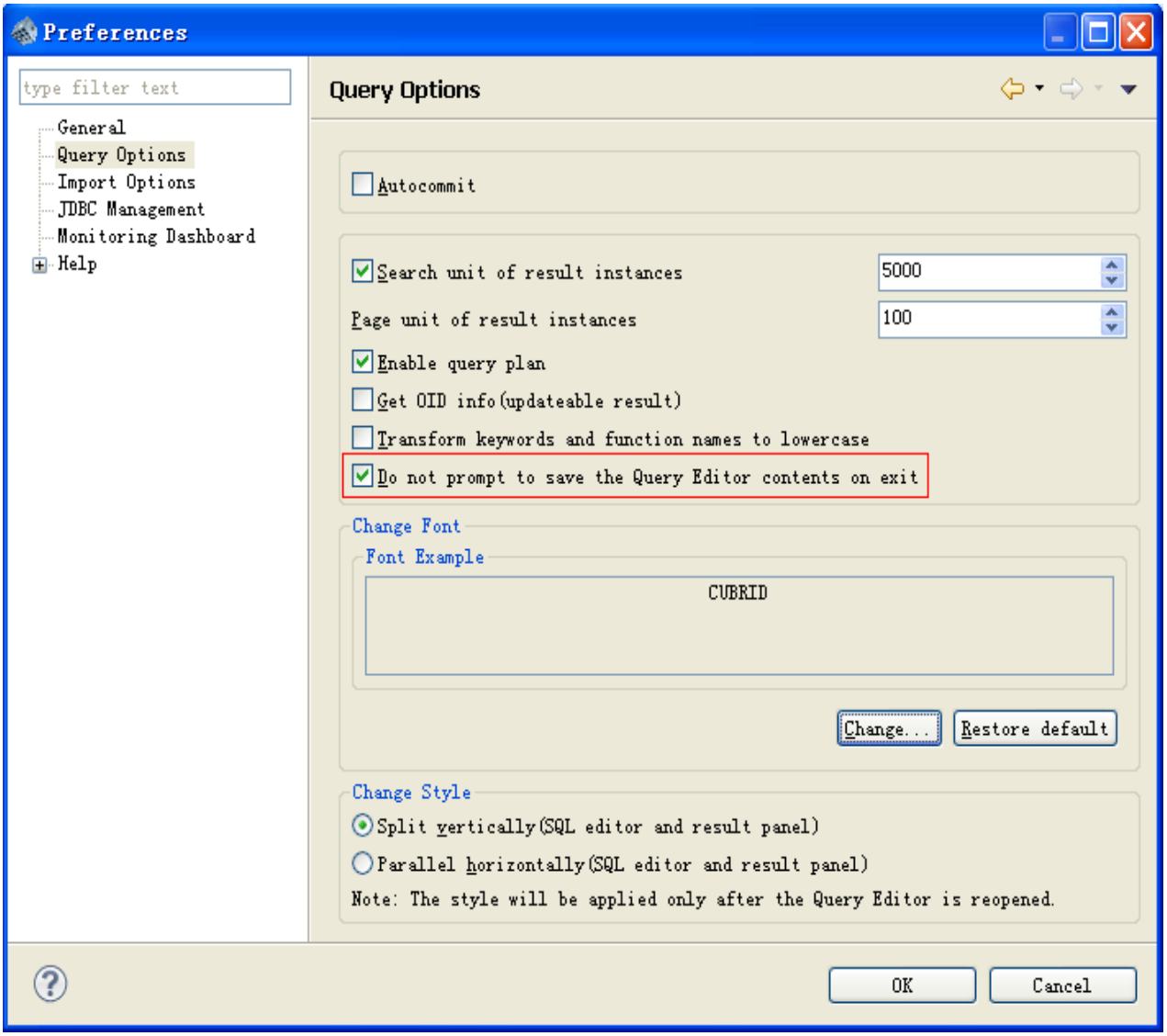


2. You can also customize the prompt function in Preferences/General Section

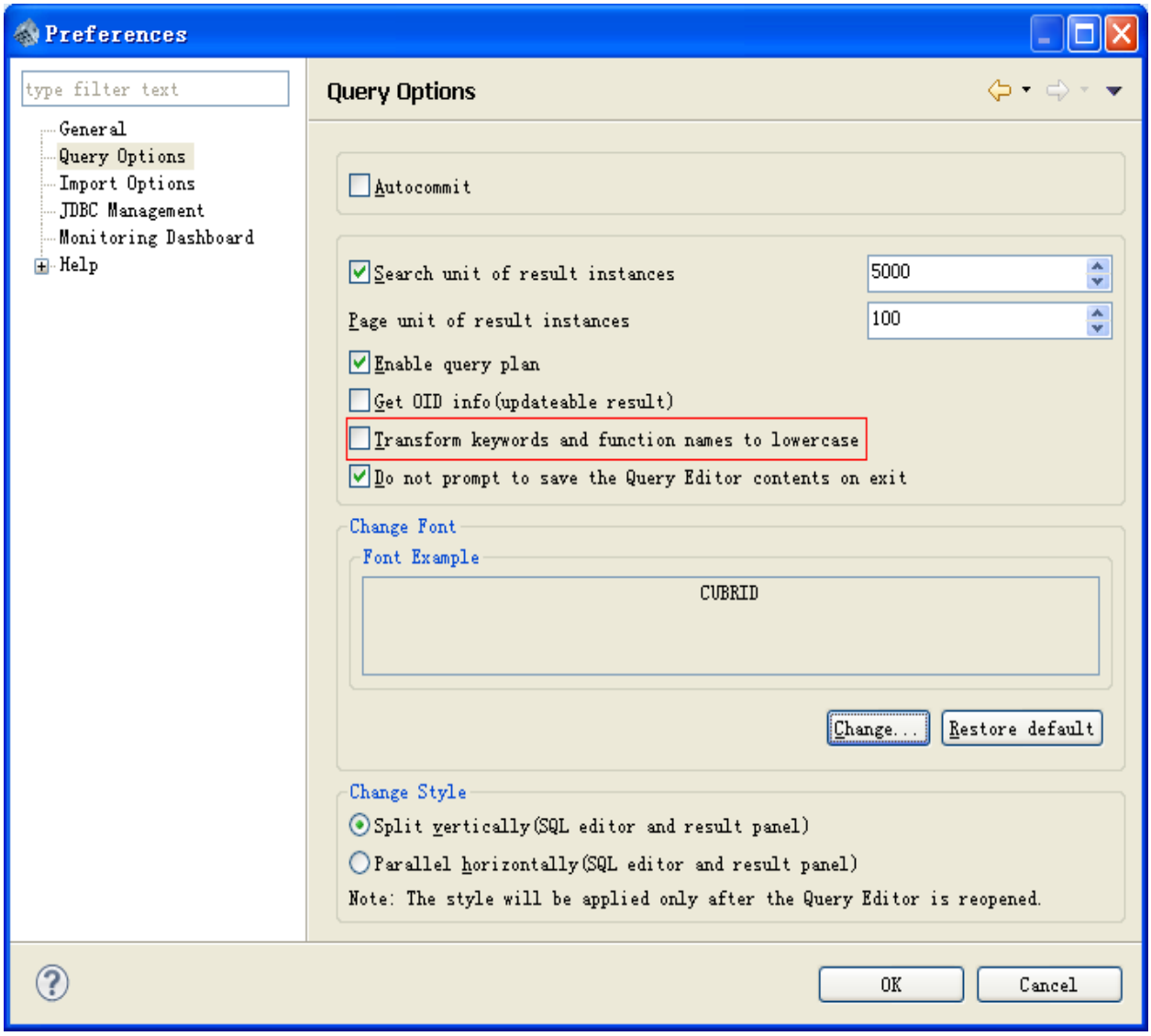


Can customize the prompt function when query editor exit

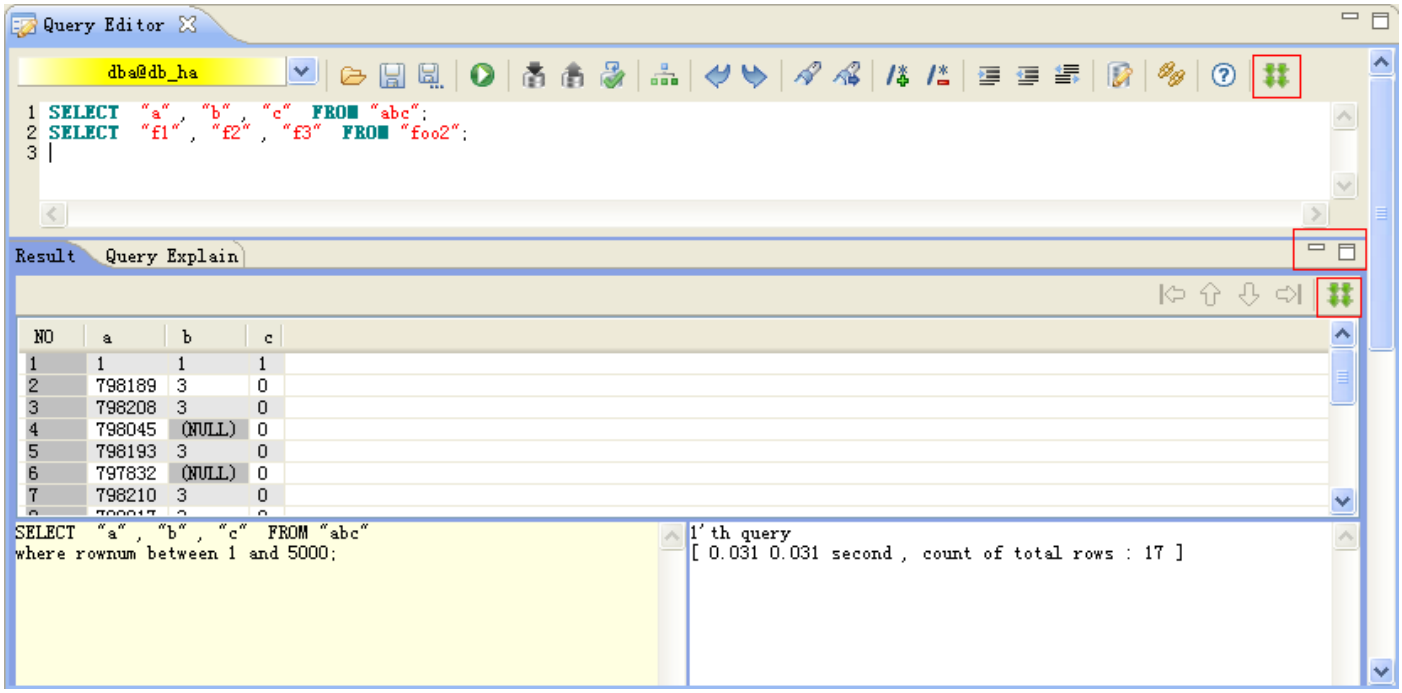
1. When query editor close, if change the editor content, will open the saved dialog. This is annoyed. Now, you can customize whether open the saved dialog.


Preferences
type filter text
General
Query Options
Import Options
JDBC Management
Monitoring Dashboard
Help
Query Options
Autocommit
Search unit of result instances
5000
Page unit of result instances
100
Enable query plan
Get OID info(updateable result)
Transform keywords and function names to lowercase
Do not prompt to save the Query Editor contents on exit
Change Font
Font Example
CUBRID
Change...
Restore default
Change Style
Split vertically(SQL editor and result panel)
Parallel horizontally(SQL editor and result panel)
Note: The style will be applied only after the Query Editor is reopened.
OK
Cancel

Can customize keywords and functions name lowercase/uppercase when edit SQL in query editor

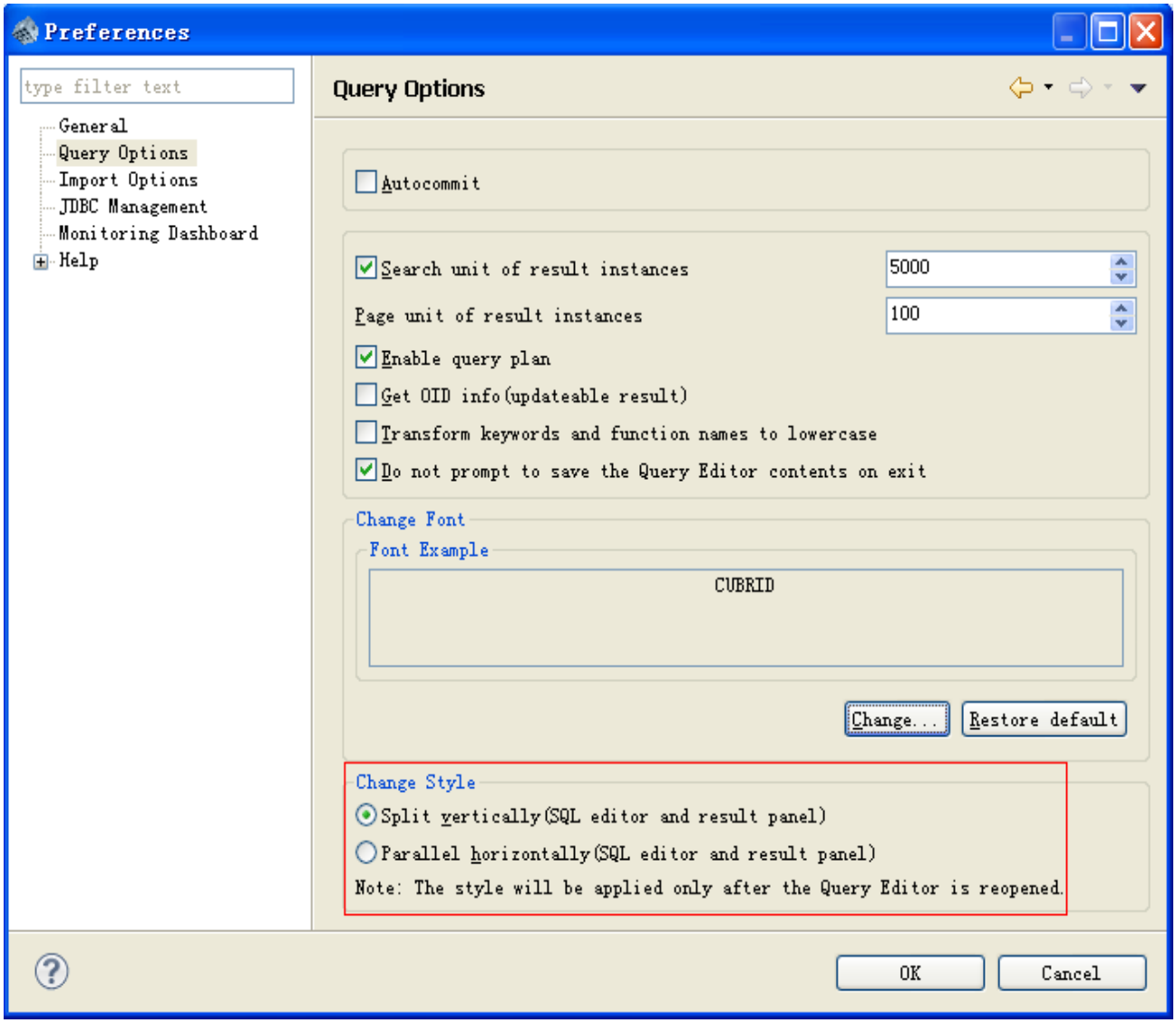


Can maximize and minimize the SQL editor panel and the query result panel and log panel

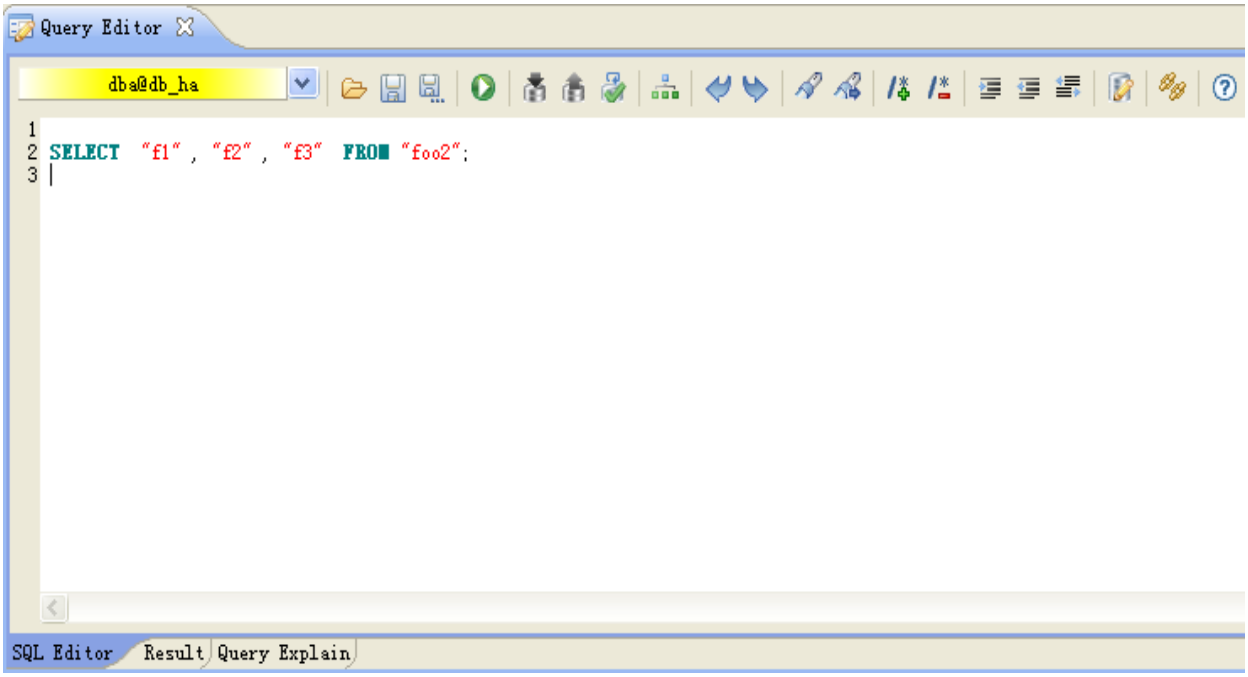


Can customize the query editor layout style

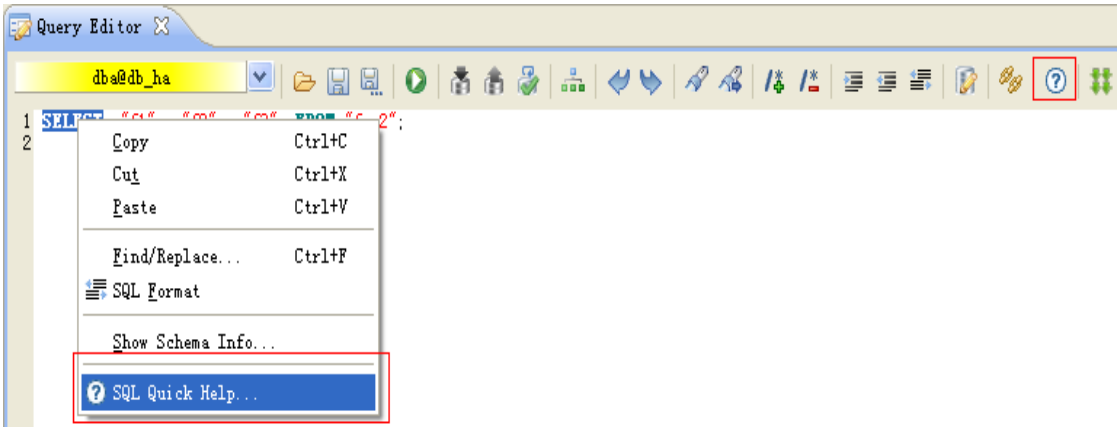
1. Can customize the query editor layout style by Preference/Query Options



2. When style is Parallel horizontally, refer to the below.



SQL quick help function in query editor

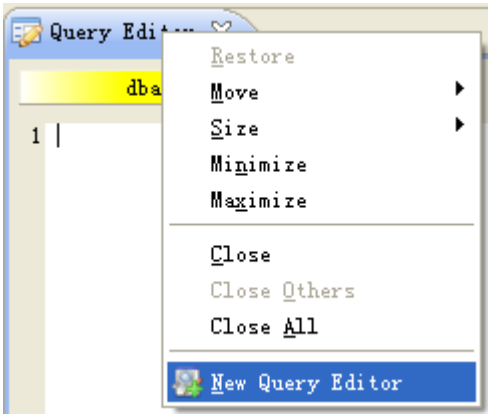


Press Ctrl+Enter can execute the SQL in cursor position

1. When press Ctrl+Enter, can execute the SQL in cursor position
2. Can select the executed SQL

New query editor more conveniently

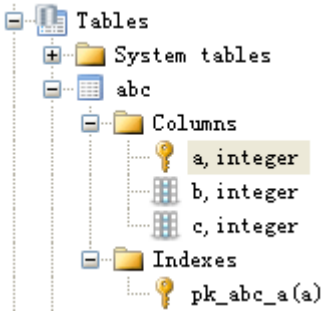
1. Add menu[New Query Editor] in query editor menu



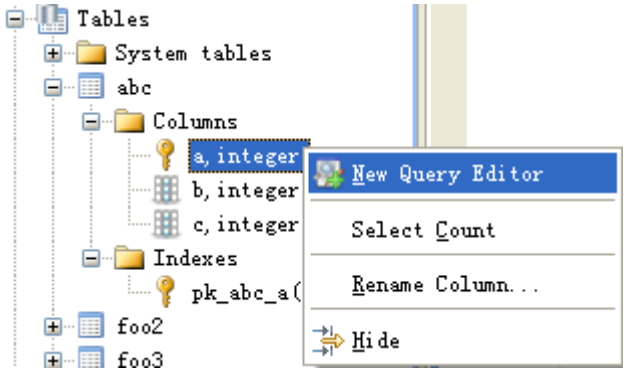
2. Add menu [New Query Editor] in all tables and columns and view context menu

Add table columns and index navigator function and the related actions

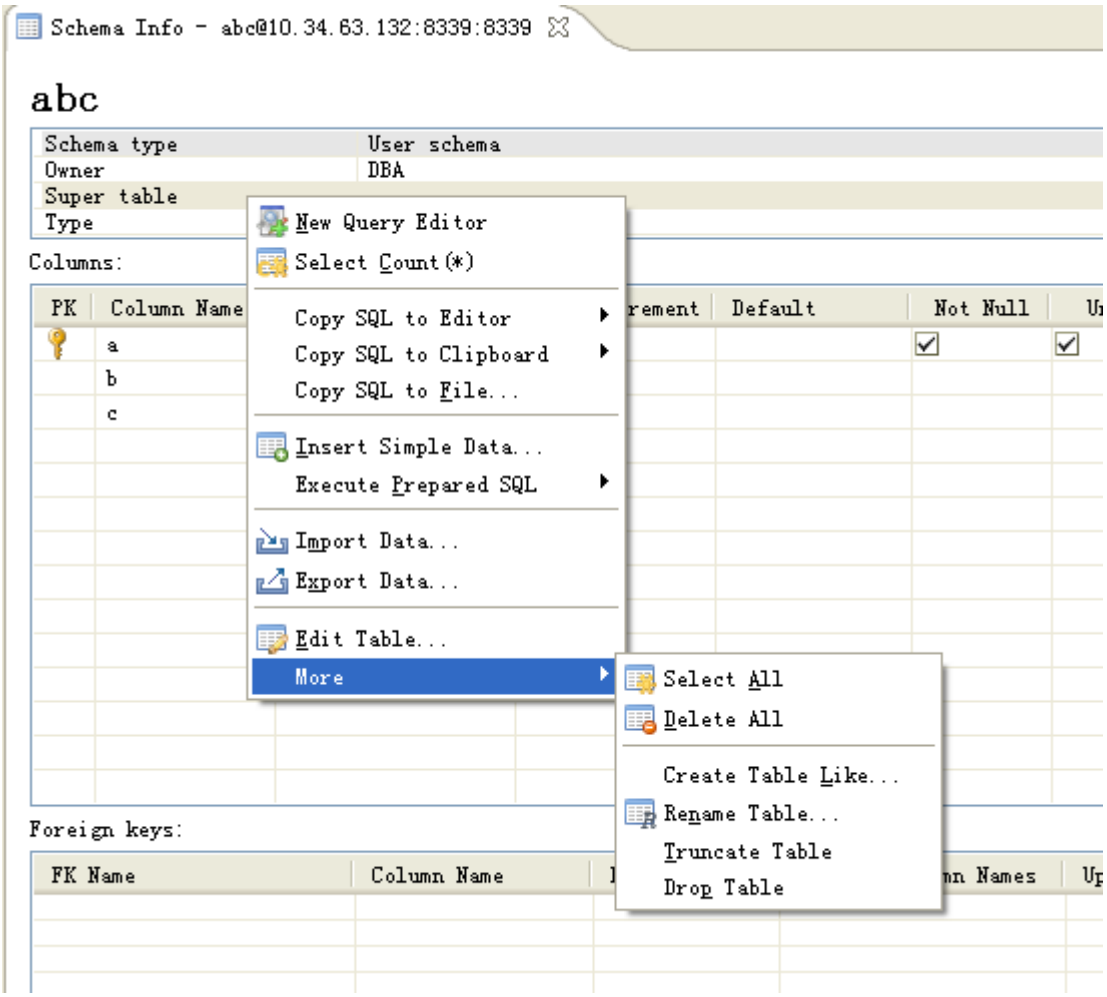
1. Table columns and indexes navigator function



2. Related actions

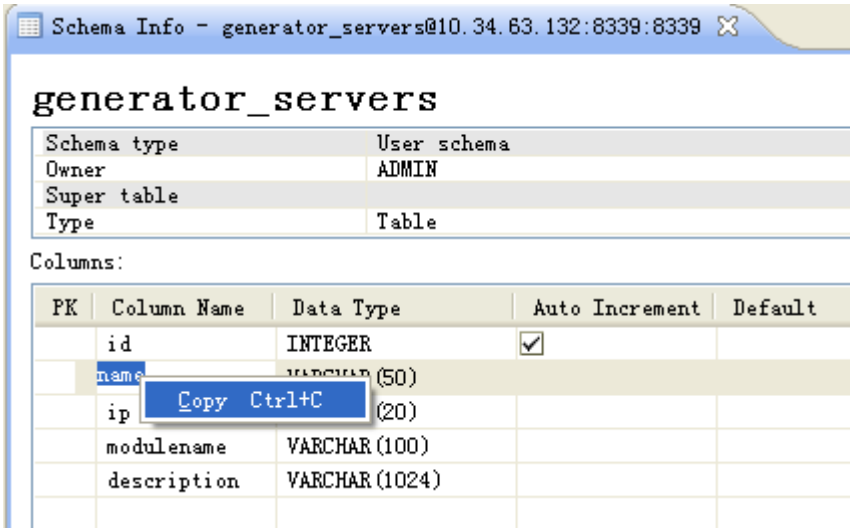


Add the table context menu in schema information panel



Can copy the column name or table name or view name by CTRL+C

1. Can copy the column name or table name or view name in navigator by CTRL+C
2. Can copy the column name and index name by CTRL+C



Add a new tool "cm_admin" in LINUX environment to control CUBRID Manager user

The "cm_admin" tool supports Add/Delete/Update/View operations on CUBRID Manager user.

The following information will be displayed upon entering cm_admin in the prompt.

```
cmserver utility, version R0.1
usage: cm_admin <utility-name> [args]
Available Utilities:
    adduser
    deluser
    viewuser
    changeuserauth
    changeuserpwd
     adddbinfo
    deldbinfo
    changedbinfo
```

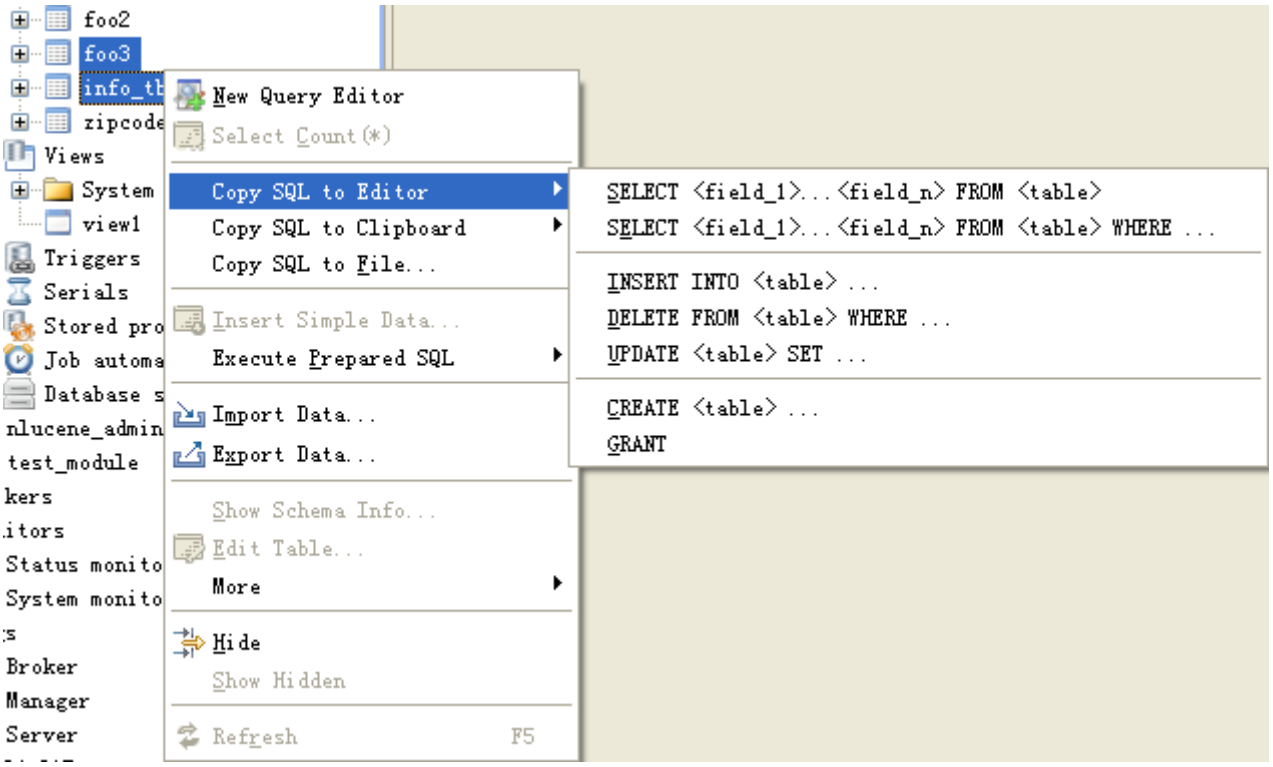
The following commands are supports:

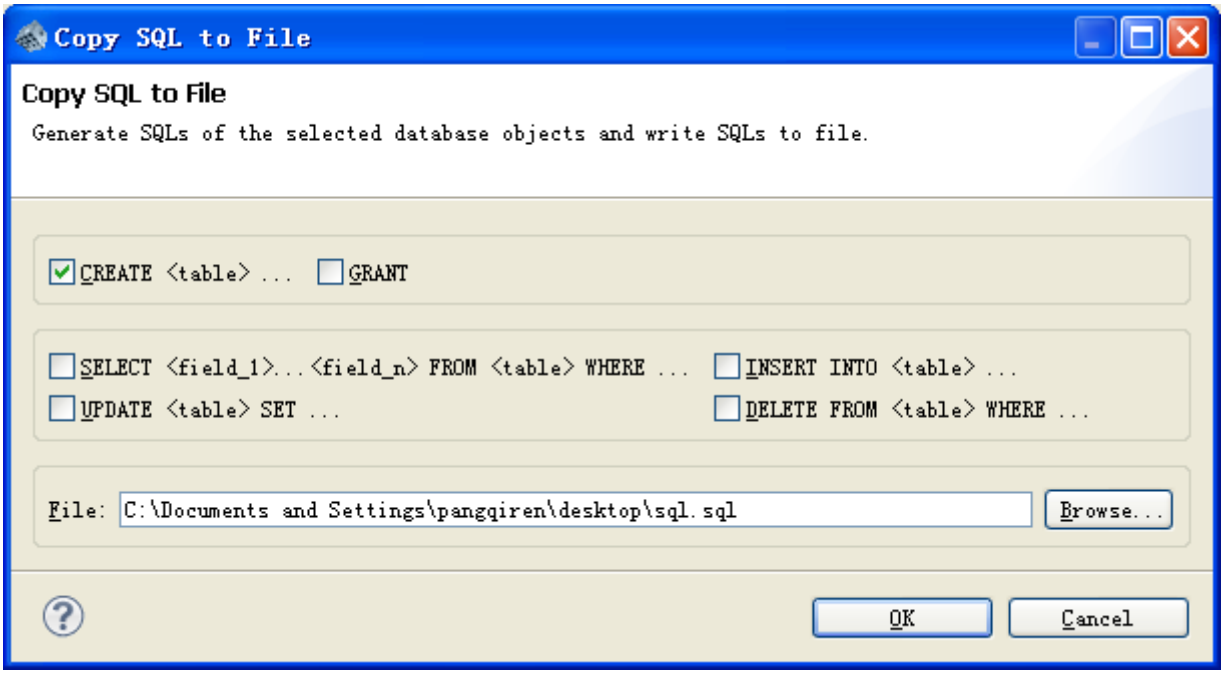
1. adduser: Add a new CUBRID Manager user.
2. deluser: Delete an exist CUBRID Manager user.
3. viewuser: View the exist CUBRID Manager user.
4. changeuserauth: Change the authority of the specified user, such as unicas authority, dbcreate authority, monitoring authority.
5. changuserpwd: Change the password of the user, you need to know the old password or the password of "admin" user.
6. adddbinfo: Add a database information to a user.
7. deldbinfo: Delete the database information of a user.
8. changedbinfo: Update the information of the database, such as uid, host, port.

2. Enhanced Features

Improve the SQL DDL/DML copy and paste functions

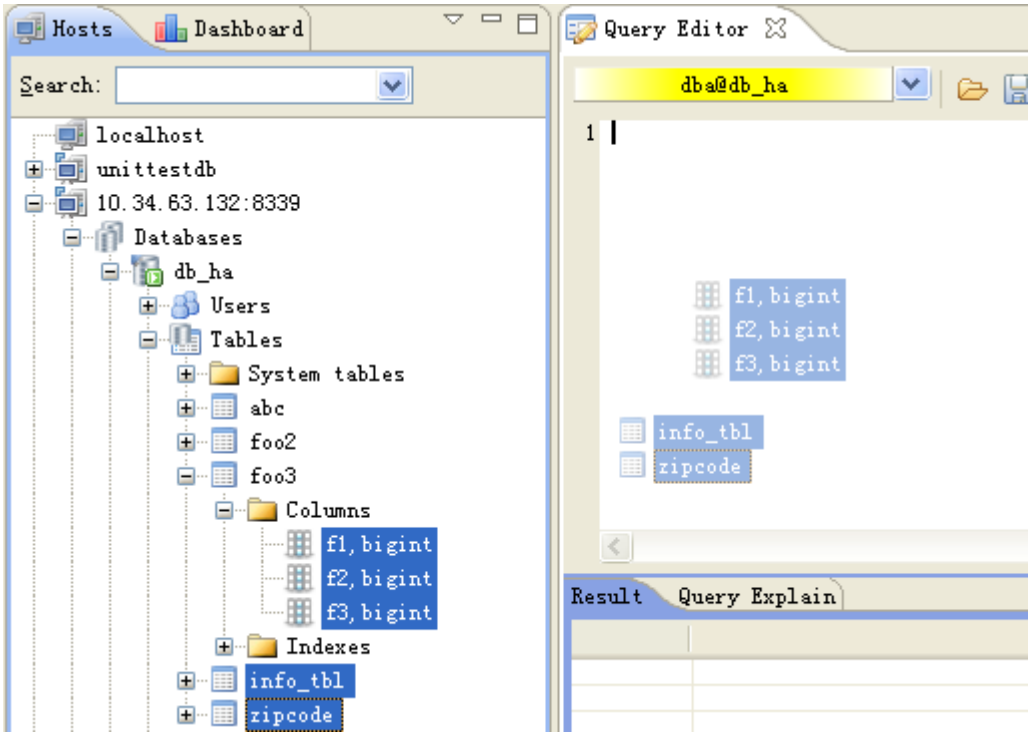
1. Can support multi table DDL/DML copy and paste
2. More DDL/DML SQL type
3. can support copy DDL/DML to clipboard or query editor or file





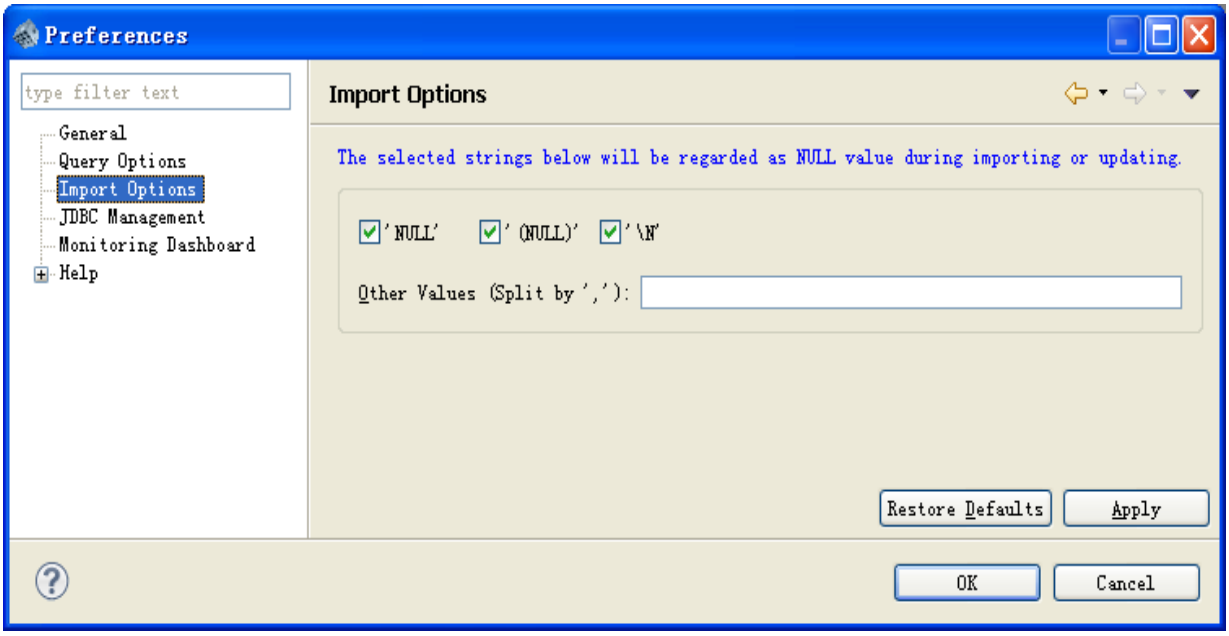
Improve the drag and drop functions

1. Now can support drag and drop multi tables or columns

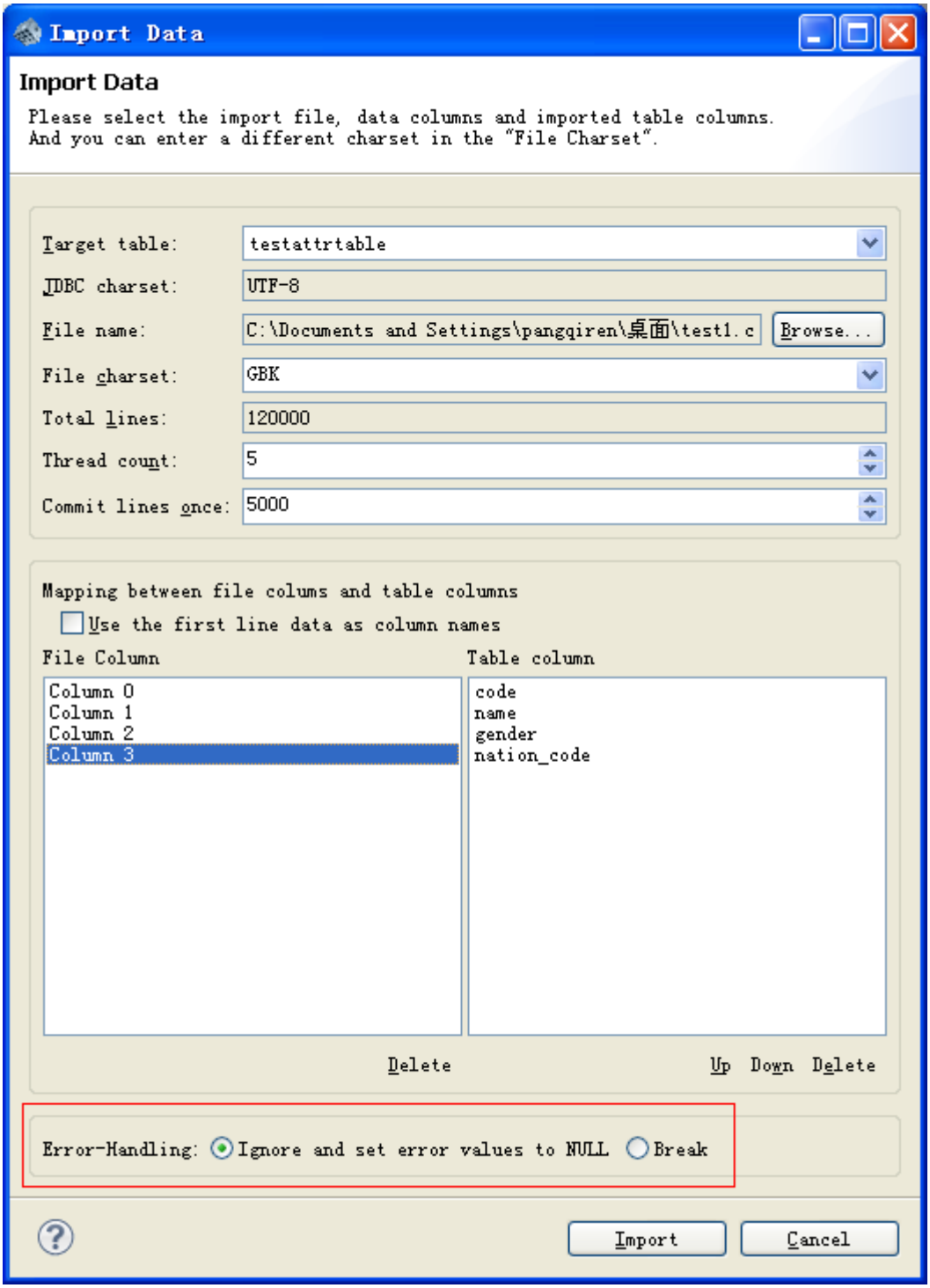


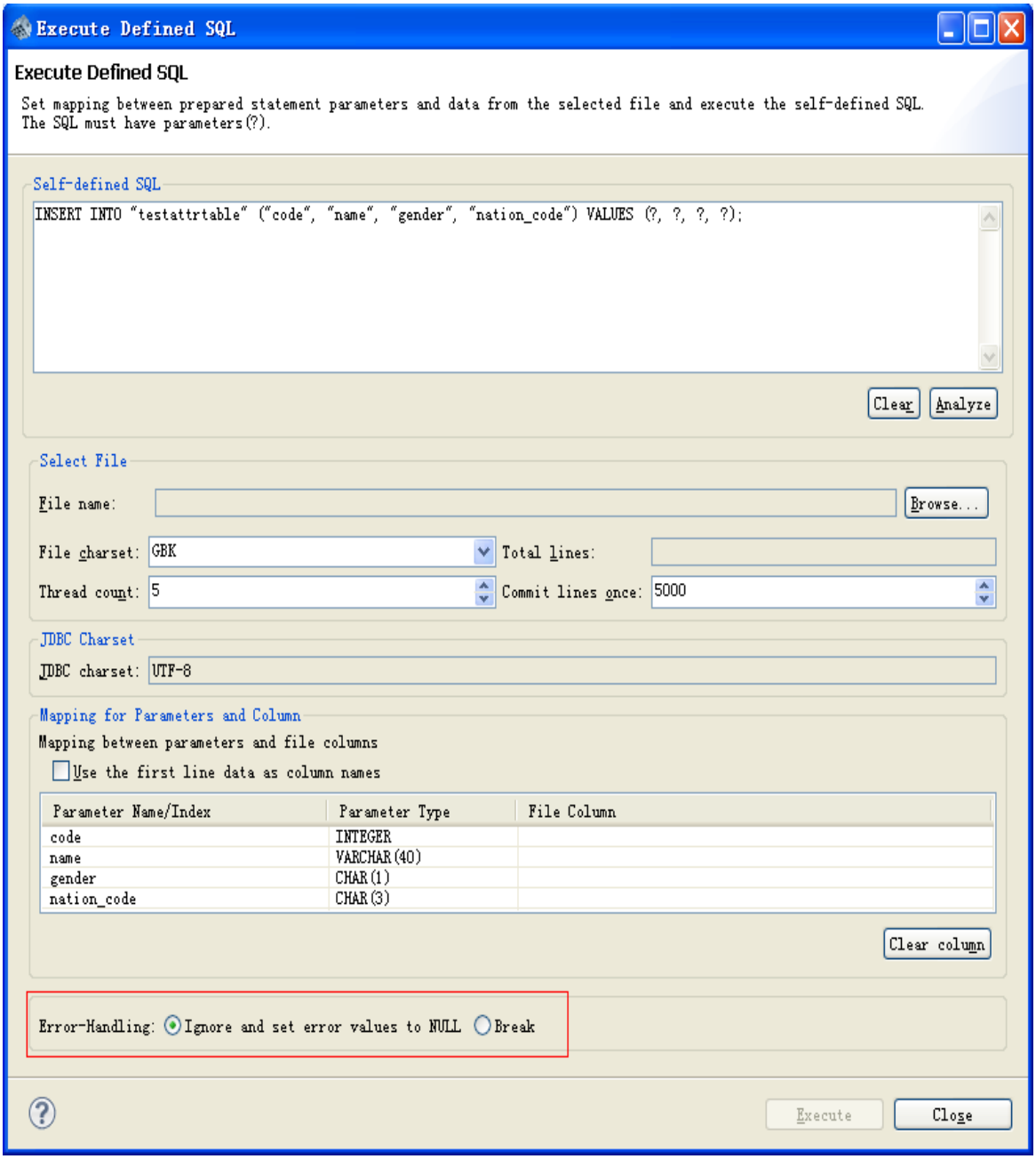
Improve the import data functions

1. Now can customize the NULL value when import and update the table data, you can customize by preference/Import Options



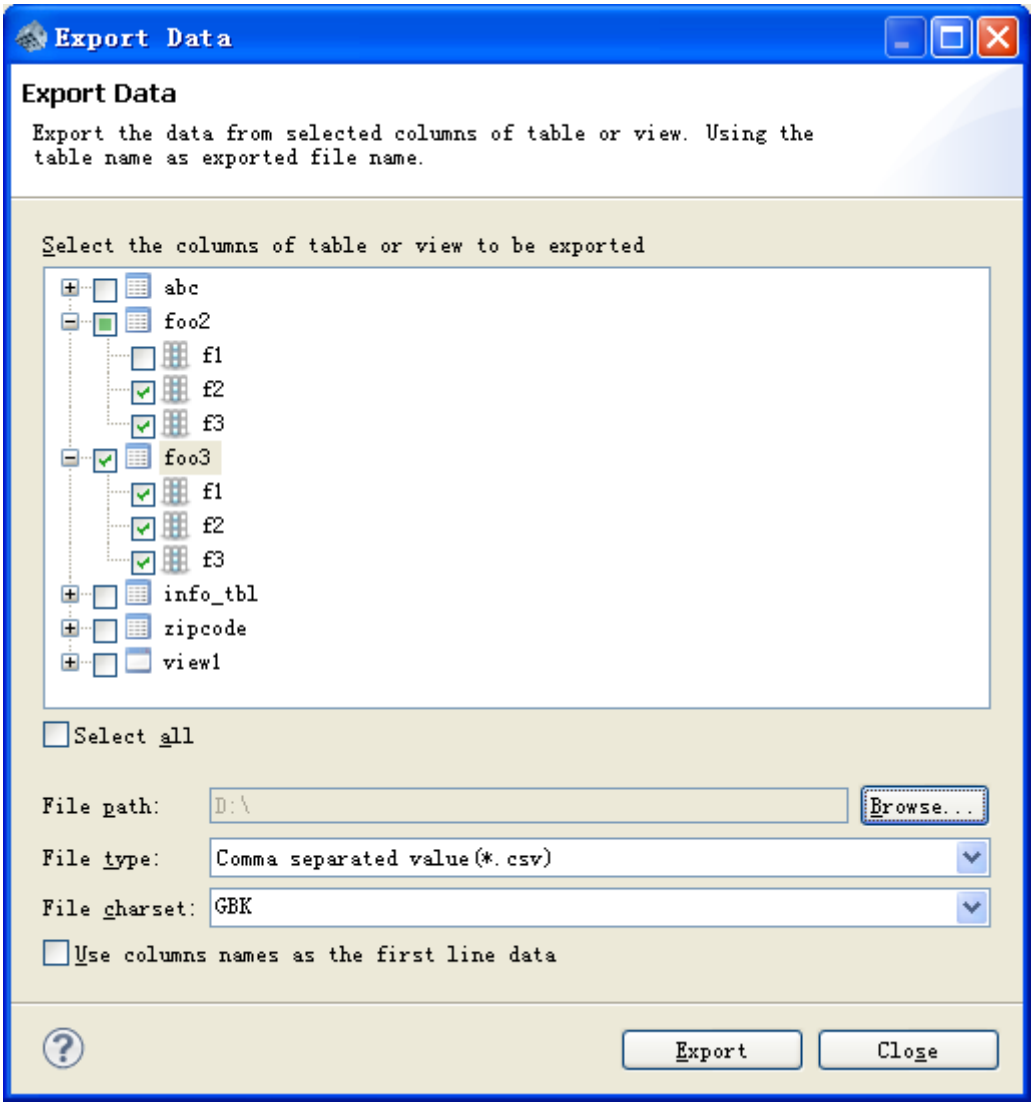
2. Can import data by multi-thread
3. Now can customize the error handle way when import data or update the data by file
   (1) Ignore the error and set error values to null. After import, if have error, will show these error report.
   (2) Break. when encounter the error, break at once.


Import Data
Import Data
Please select the import file, data columns and imported table columns.
And you can enter a different charset in the "File Charset".
Target table:
testattrtable
JDBC charset:
UTF-8
File name:
C:\Documents and Settings\pangqiren\桌面\test1.c
Browse...
File charset:
GBK
Total lines:
120000
Thread count:
5
Commit lines once:
5000
Mapping between file colums and table columns
Use the first line data as column names
File Column
Table column
Column 0
Column 1
Column 2
Column 3
code
name
gender
nation_code
Delete
Up
Down
Delete
Error-Handling:
Ignore and set error values to NULL
Break
Import
Cancel



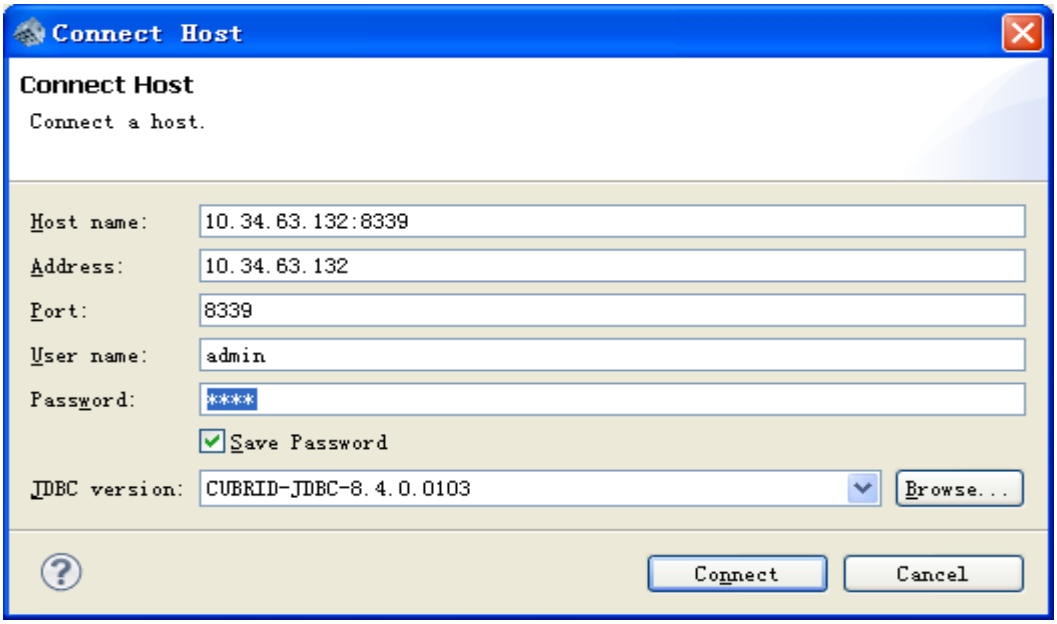
Improve to export data functions

1. Now when export table, can select columns or tables

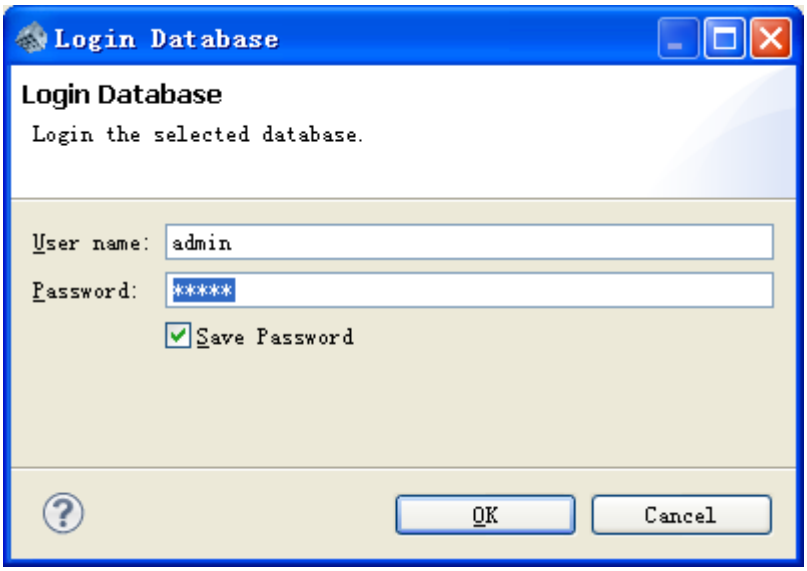


Improved the login way and can save password in local and auto login by double click host or database

1. Improve the host login dialog, can save password in local and can browse the JDBC driver conveniently



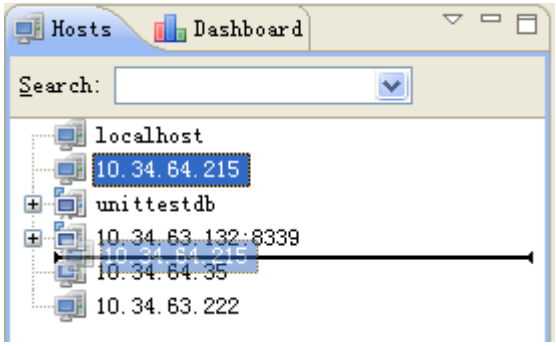
2. Improve the database login dialog, can save password in local



3. After save password in local, when double click this host or database, will auto login
4. After login, also can modify the login host or database

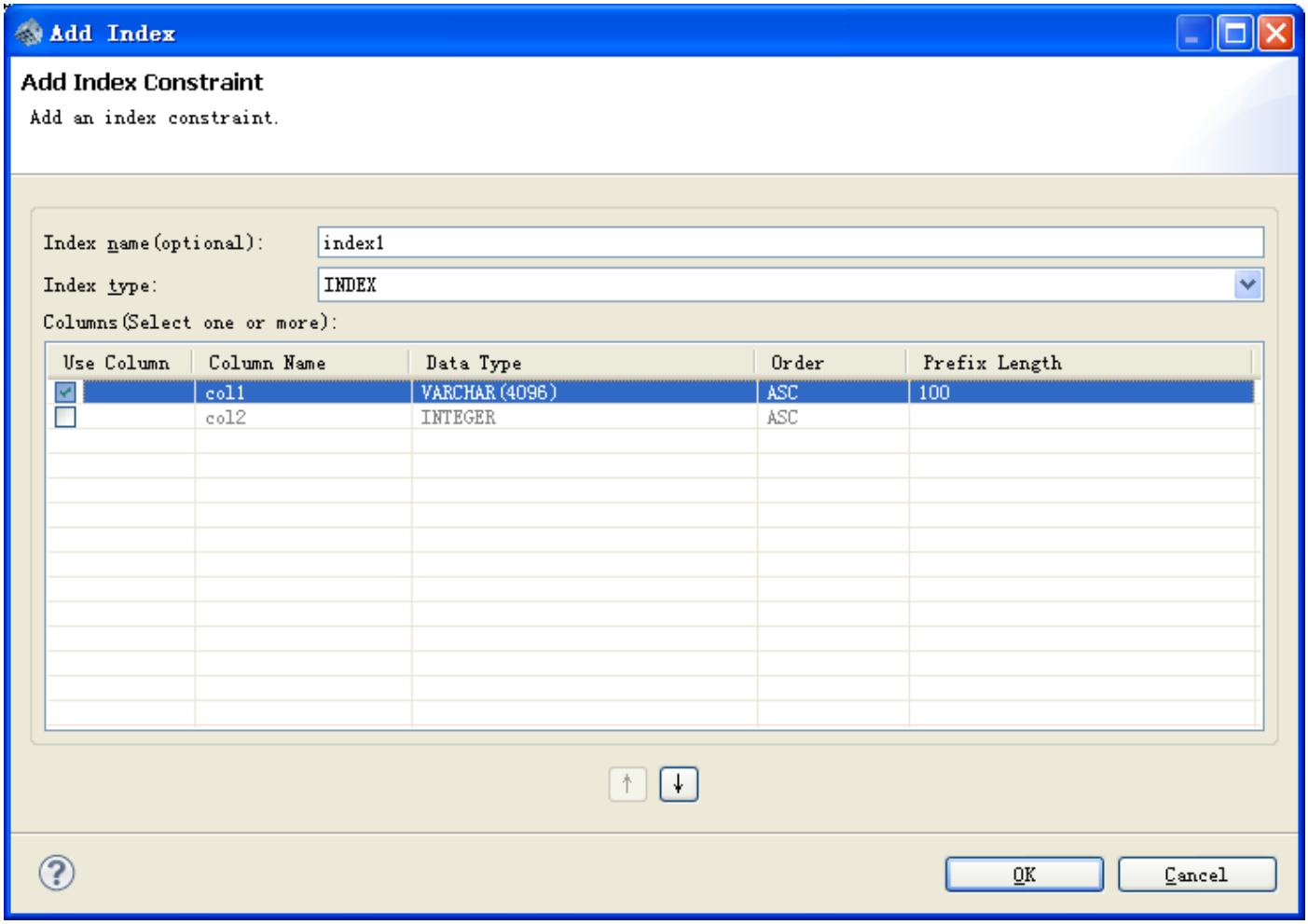
Can sort the host by drag and drop

You can drag the hosts to any position in navigator



Support index prefix length

1. Can set the prefix length for column, now only support that the index type is index and the data type is CHAR,VARCHAR,STRING,BIT,BIT VARCHING,NCHAR,NCHAR VARYING



Support the new broker parameters and server parameters configuration

Parameter Name	Parameter Value	Configuration file
ACCESS_MODE	Support new value PHRO	cubrid_broker.conf
PREFERRED_HOSTS		cubrid_broker.conf
ENABLE_ACCESS_CONTROL	ON/OFF	cubrid_broker.conf
ACCESS_CONTROL_FILE		cubrid_broker.conf
HA_MODE	Support new value replica	cubrid.conf/cubrid_ha.conf
data_buffer_size	Unit is K,M,G,T	cubrid.conf
log_buffer_size	Unit is K,M,G,T	cubrid.conf
sort_buffer_size	Unit is K,M,G,T	cubrid.conf
ENABLE_IP_CONTROL	Yes/no	cubrid.conf
ip_control_file		cubrid.conf

Improve the HA dashboard function to support HA

1. Support replica node
2. Support new database status Maintenance

Support the new added functions and keywords in query editor

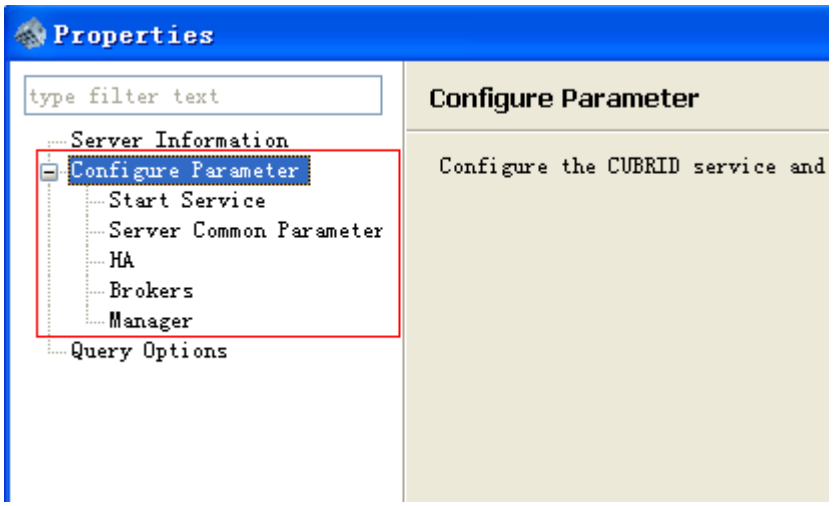
1. Can highlight these keywords and functions in query editor
2. Can prompt these keywords and functions when input in query editor

```
bit_to_blob
blob_from_file
blob_length
blob_to_bit
clob_from_file
clob_length
clob_to_char
utc_time
utc_date
timediff
dayofmonth
dayofyear
from_days
index_cardinality
like_match_lower_bound
like_match_upper_bound
makedate
maketime
repeat
space
last_insert_id
sec_to_time
substring_index
md5
to_days
time_to_sec
typeof
from_unixtime
weekday
dayofweek
version
quarter
week
```

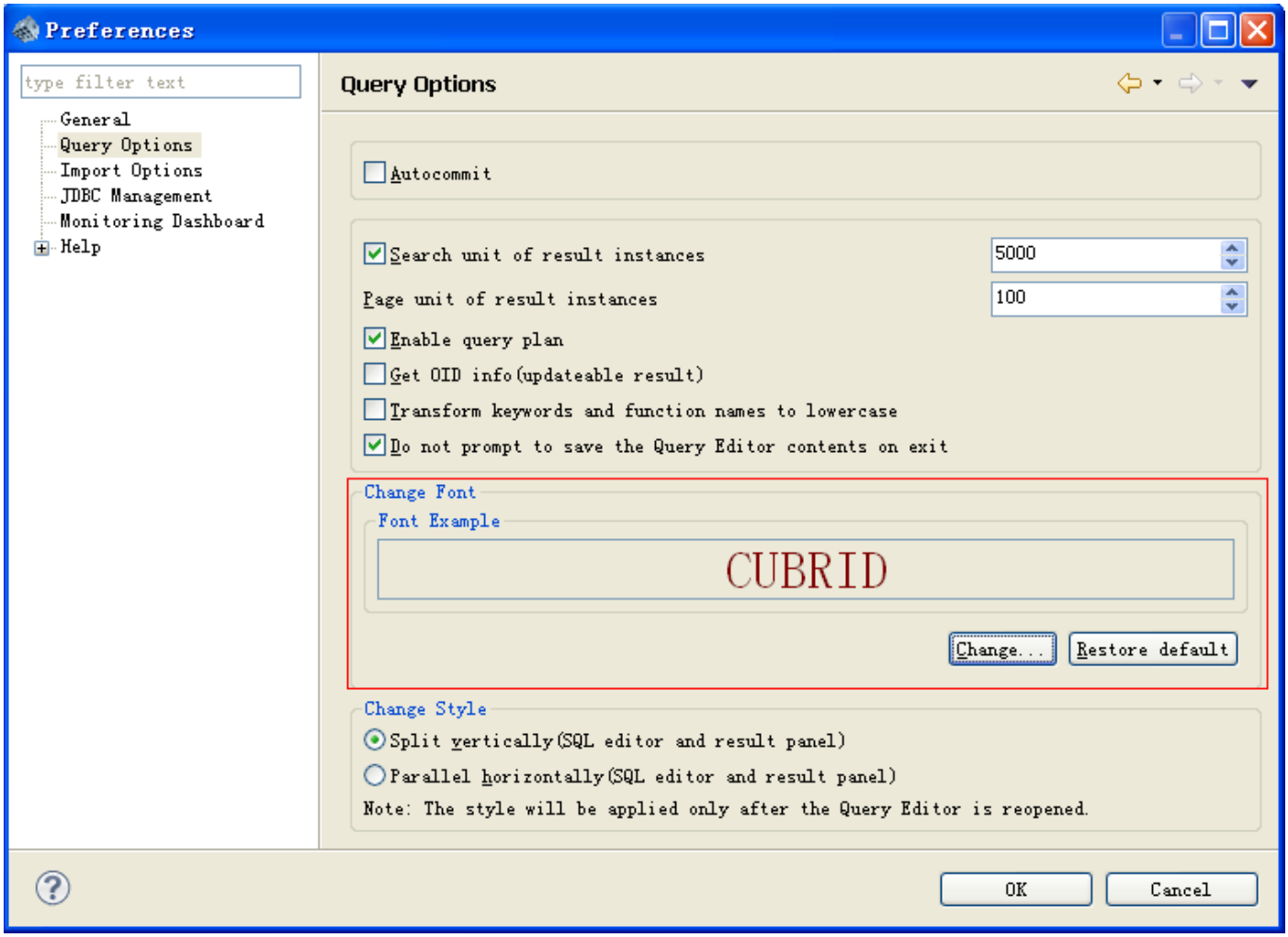
```
BLOB
CLOB
COLUMNS
ELT
EXPLAIN
GRANTS
GROUP_CONCAT
INDEXES
KEYS
KEYLIMIT
MEDIUMINT
SEPARATOR
SHOW
STDDEV_POP
STDDEV_SAMP
TABLES
TINYINT
VAR_POP
VAR_SAMP
```

When build and release the CUBRID Manager, add all JDBC driver

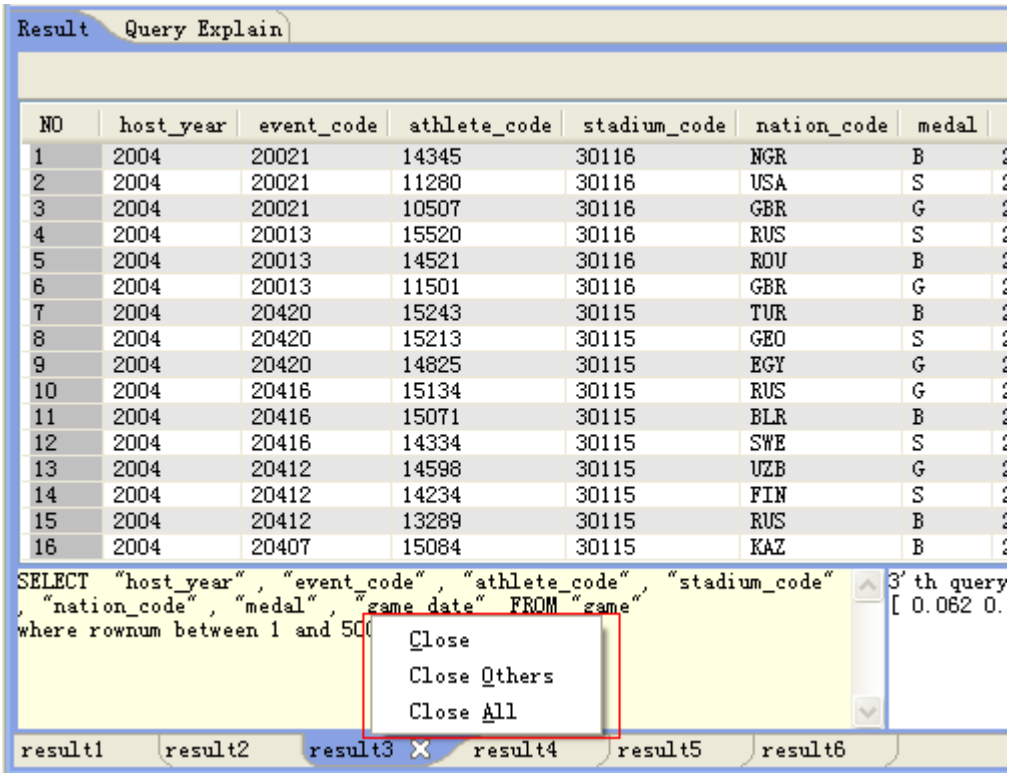
Category the configuration parameter related properties



Improve the query editor for font setting functions



Add [Close],[Close Others],[Close All] menu item for the query editor result tab and plan result tab



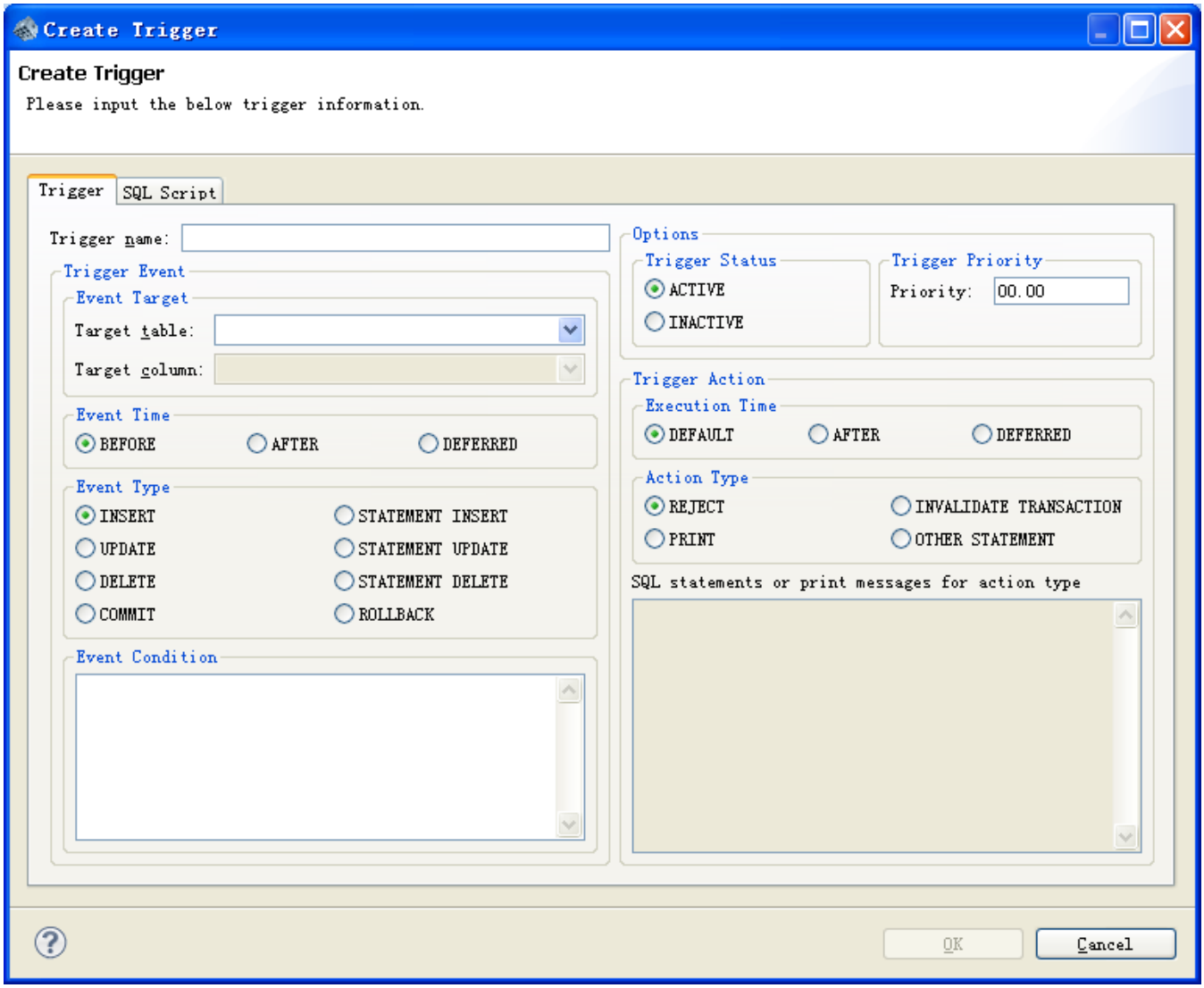
Improve log related functions

(1) Can delete multi log file once

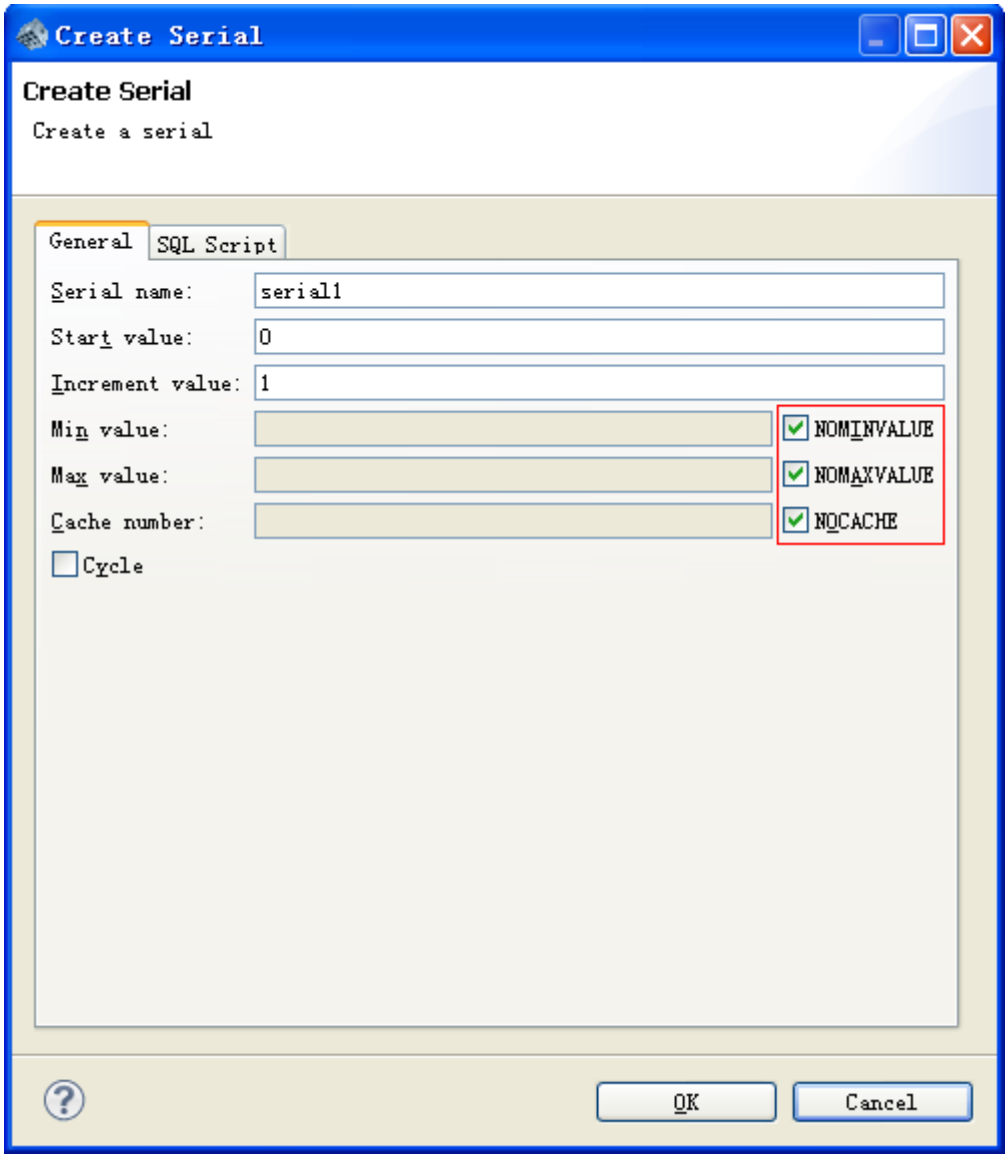
(2) Fix bug that when open the log file or switch to the next page, the content flicker

(3) Can fill in the charset to view log file

l the trigger created or edited UI



Improve the serial created or edited UI



3. Changed Features

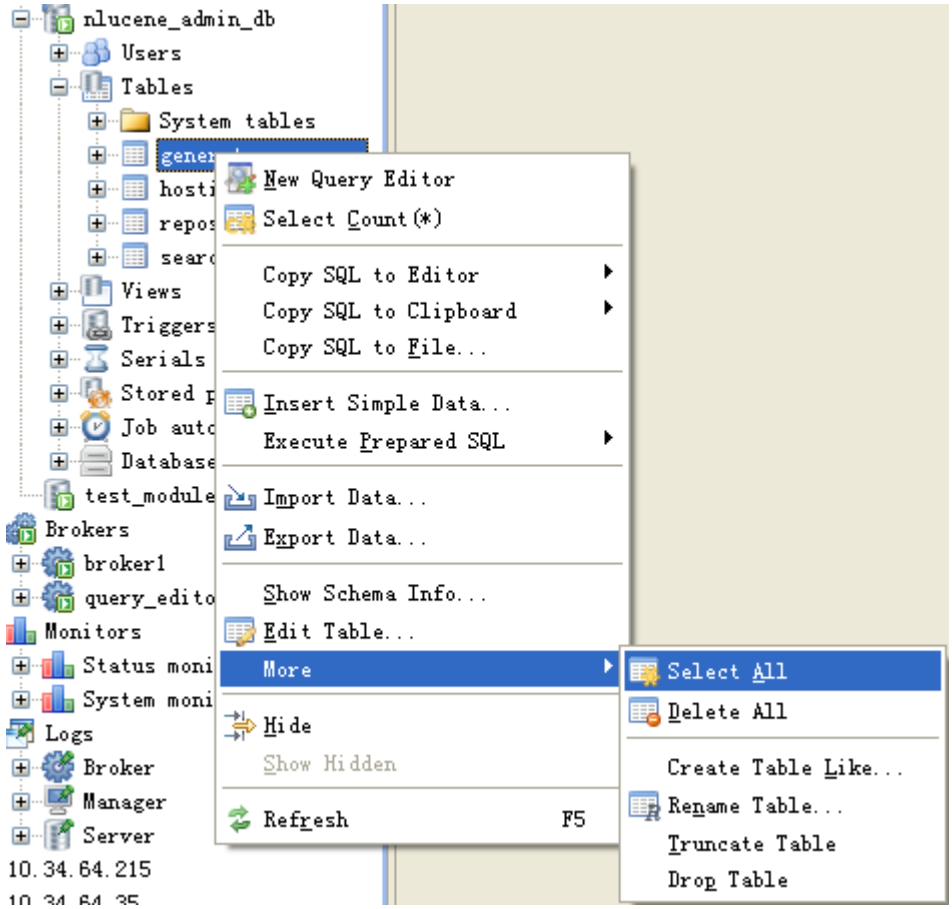
When import data, set the default thread count is 5 and default file type is csv.

When edit or add table column, if column data type is VARCHAR or NCHAR VARYING or BIT VARYING, the size is 4096 defaultly.

When open the query editor, the auto commit is unchecked defaultly. When checked, show caution icon.

When broker access_mode is SO, the JDBC URL can not add host ip.

Adjust the table menu, put the dangerous menu to the next level menu



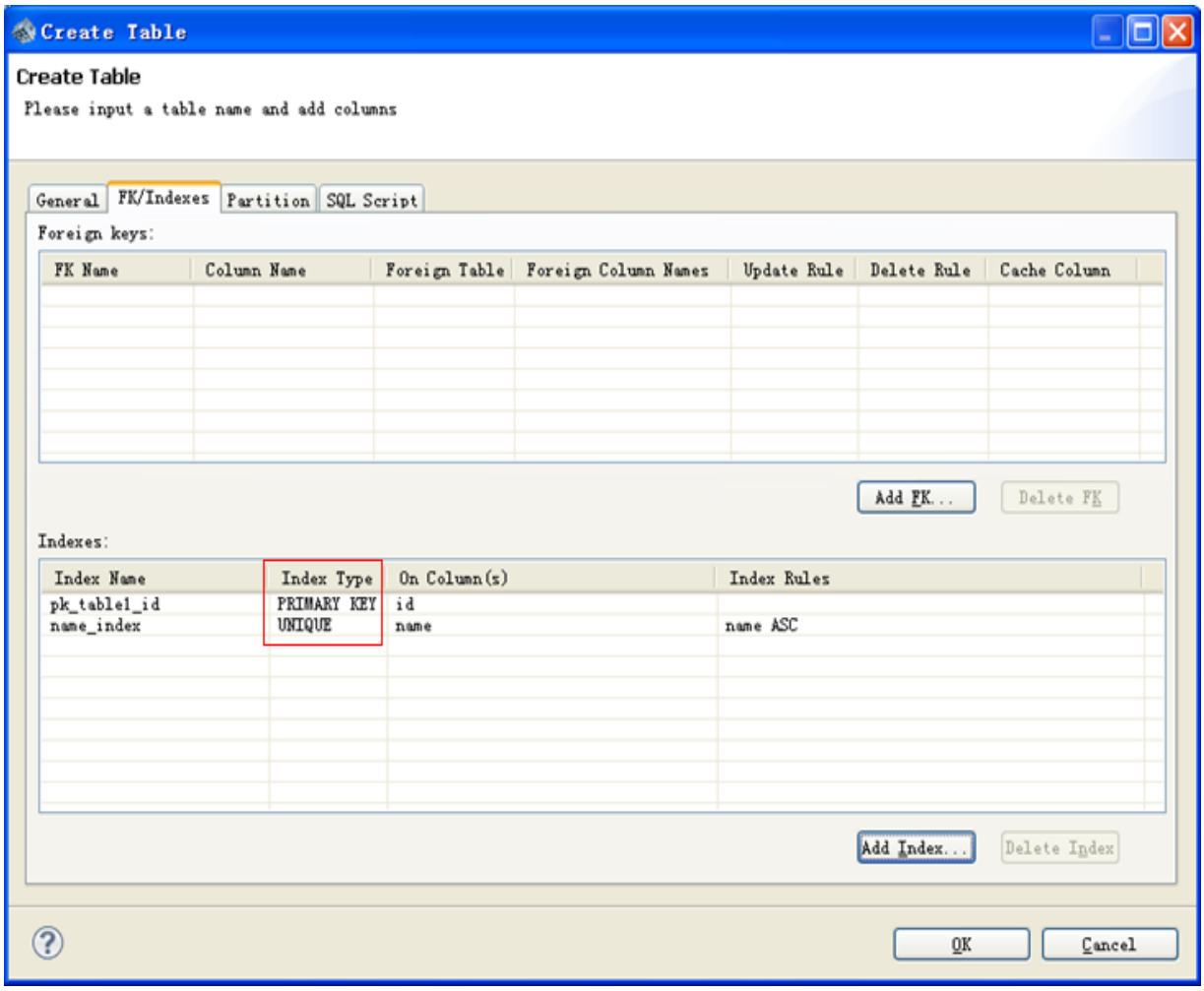
Fix bug that when admin login and set broker port, the broker port can not be saved.

Fix bug that When change the query editor panel size, the query editor toolbar can not show completely.

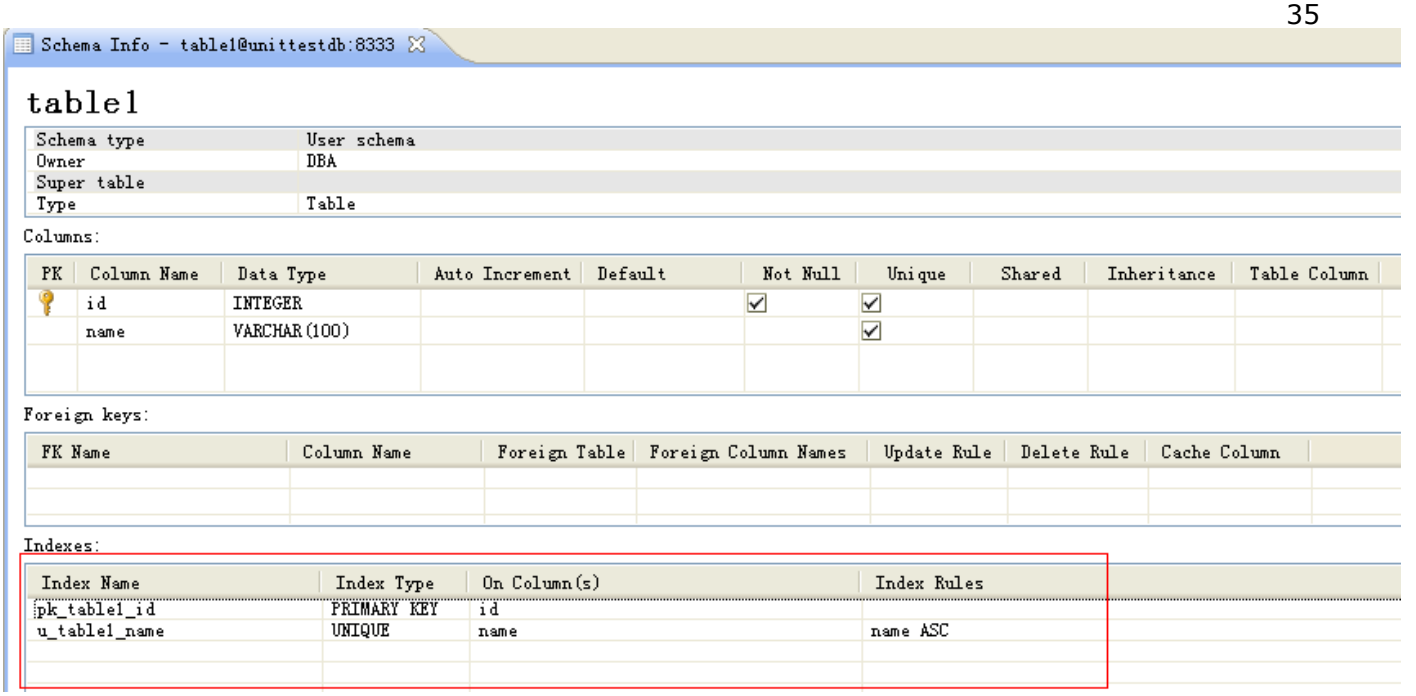
Add horizontal and vertical scrollbar to show all toolbar action

When add table or show table, can differentiate the primary key index and other index

1. Create table dialog



2. Table schema information panel



Fix bug that if the data type is datetime, the data can not show 24 hours am or pm correctly

Fix bug that switch the next page in query editor result panel, the content flicker

Fix bugs that the SQL style can not show correctly in the below case

(1) When have character '(',')',',' before or after the keywords and functions

(2) When have both -- and /* */ in SQL