NetBeans SQL Code Completion Connection

Start a. Open dialog box from php Editor toolbar

Start a. php editor toolbar

- A new icon button should be added to the php editor toolbar.
- Standard Database Cylinder Icon is better than database connection icon because the cylinder is more recognizable, but an icon that actually says SQL would be best.
- Tooltip should appear onmouseover which explains the icon's use when clicked.
- Clicking the icon button opens the SQL code completion connection dialog box.
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Start b. Open dialog box from Context menu

Start b. Context Menu

- Right click or <ctrl>+click (on one-button-mouse mac systems) within the php editor opens the context menu.
- The new menu item, "SQL Code Completion..." should be added.
- Tooltip should appear on mouseover which explains the item's use when clicked.
- A keyboard shortcut for the menu item would be nice, but remains TBD at this time.
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Start c. Open dialog box from Code Completion window

Start c. Code completion window

- Within the php editor, if a developer evokes SQL code completion having not yet chosen a database connection for that project, a new option in the code completion window will be "SQL Code Completion Connection..."

- The connection icon is appropriate here because unlike the icon in Start a, it serves as a visual indicator to supplement a label.

- Tooltip should appear on mouseover which explains the item's use when clicked.

- A double click on that item will open the SQL code completion connection dialog box.
NetBeans SQL Code Completion Connection

1. Choose a database connection when no connection is set for the current project or file.

Choose the database connection that this project should use for SQL code completion:

Connection: MySQL_EComm

Help Cancel Ok

1. Choose a first connection
   • Suspected to be the most common use case, the project-wide first connection is designed to have the simplest interaction
   • The first time one uses SQL code completion in a php project, the connection he/she chooses will be used for all php files in that project. In most cases, that will be the only time a connection is chosen.
   • An instructional statement provides a brief explanation.
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2. Choose a database connection

Choose the database connection that this project should use for SQL code completion:

Connection: MySQL_Admin

New Database Connection...

Help  Cancel  Ok

2. Choose a database connection

• The combo box provides a list of all database connections plus a "New Database Connection..." option which can be double-clicked to open the New Connection dialog.

• indicates a live connection

• indicates a connection that is not currently live. If one of these is chosen, NetBeans should automatically try to connect. This dialog box should remain open while the attempt is made. Should it fail, the user may try again, choose a different connection, create a new one or abandon the process altogether by clicking cancel.

![Flowchart diagram]

Start (a/b/c)

N -> 1 -> 2

Y -> 3

4

5

6
NetBeans SQL Code Completion Connection

3. Change the database connection when a connection has already been set for the project

Choose the database connection to use for SQL code completion:

Connection: [MySQL_EComm]

Make this the active connection for:

- All php files in this project
- Current php file only

3. Change database connection

- Once a project-wide first connection has been chosen, future attempts to change the SQL code completion connection will prompt the user with a slightly different UI.

- Radio buttons allow the user to determine whether this changed connection is to be used for all files in this project (default) or if this file is a special case which will always require a different connection from the rest of the project.
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4. Change the connection for the current file only

Choose the database connection to use for SQL code completion:

- MySQL_EComm
- MySQL_Admin
- New Database Connection...

Make this the active connection for:

- All php files in this project
- Current php file only

[Diagram]

4. Change for current file only

- To change the connection for a given file, the user need only select the desired connection from the combo box, select the Current php file only radio button and click Ok.

- When the SQL code completion connection dialog is opened from a file that is already using a connection that is different from its project, Current php file only shall be the default radio button selected.
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5. Change the database connection for all files in the project

Choose the database connection to use for SQL code completion:

Connection: MySQL_EComm

Make this the active connection for:

- All php files in this project
- Current php file only

5. Change for all files in a project

- When a user has chosen a single SQL code completion connection to use for all the php files in a given project, *All php files in this project* shall be the default radio button selected.
- The user need only select the desired connection from the combo box and click Ok.
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6. Modal alert warns project-wide impact of the change

6. Change for all files in a project
   • A more advanced case involves a project wherein a project-wide connection is accompanied by several file-specific connections.
   • If the user in this case should attempt to choose a new connection for *All php files in this project*, they should be alerted to the significant impact of such a project-wide change.
   • Once the user clicks Ok, an alert box should popup as an advisory which requires their confirmation to proceed.
   • Users can click cancel if they would like to reconsider their choices before committing.
Click DB Icon in php editor Toolbar

Click select connection in php editor context menu

Click select connection in code completion window

Select connection option only appears in the code completion window when no connection has been set for this file or project

Open select conn dialog

Project-wide or file-specific connection

Is a connection set?

No radio buttons

Select connection for project

Change connection for current file

Change connection for project

Change all?

Any file-specific connections set?

Alert! Change all?

Change all?

Show radio buttons. "All files in project" is default

Click Cancel

Click select connection in php editor context menu

Click select connection in code completion window

User action

Defined process

Visual feedback

Start/Stop

Defined process

Direction of flow

Alternate flow

Note

Key