Query Editor Reference

Edit and test SQL queries.

Query Editor (Reference) provides SQL script writing capabilities with syntax highlighting, auto-completion, and advanced text manipulation features. The Query Editor enables:

- SQL syntax highlighting
- Auto-completion support
- Search and replace
- Code formatting
- Whitespace management
- Visual customization

Access via double-clicking SqlStatement in Dataset Queries or through the dedicated editor button.

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Edit Actions

Basic Operations

Action	Shortcut	Description
Undo	Ctrl+Z	Revert last action
Redo	Ctrl+Y	Reapply undone action
Cut	Ctrl+X	Remove and copy to clipboard
Copy	Ctrl+C	Copy to clipboard
Paste	Ctrl+V	Insert from clipboard
Delete	Delete	Remove without copying
Select All	Ctrl+A	Highlight entire content

Advanced Operations

Action	Description
Cut/Append	Cut and append to existing clipboard
Copy/Append	Copy and append to existing clipboard
Insert Example	Insert predefined SQL template
Is Document Read-only	Check edit permissions

Search Functions

Function	Shortcut	Description
Find	Ctrl+F	Open search dialog
Find Next	F3	Next occurrence
Incremental Search	Ctrl+I	Search while typing

View Options

Margin Controls

Option	Purpose
Indicator Margin	Error/warning indicators
Line Number Margin	Line numbering display
Outlining Margin	Code folding controls
Ruler Margin	Horizontal ruler
Selection Margin	Click-to-select lines

Display Settings

Option	Purpose
Word Wrap	Wrap long lines
Word Wrap Glyphs	Show wrap indicators
Whitespace Visible	Display spaces/tabs
Indentation Guides	Vertical indent lines
Line Modification Marks	Show changed lines

Highlighting Options

Option	Purpose
Current Line Highlighting	Highlight cursor line
Delimiter Highlighting	Match brackets/parentheses
Search Result Highlighting	Highlight found text

Navigation Settings

Option	Purpose
Can Scroll Past Document End	Allow scrolling beyond text
Virtual Space at Line End	Cursor beyond line end
Auto-Correct Enabled	Automatic corrections
Toggle Token Info in Status Bar	SQL token information

Advanced Options

Whitespace Management

Operation	Description
Convert Tabs to Spaces	Replace tabs with spaces
Convert Spaces to Tabs	Replace spaces with tabs
Tabify Selected Lines	Leading spaces to tabs
Untabify Selected Lines	Leading tabs to spaces
Delete Horizontal Whitespace	Remove inline spaces
Trim All Trailing Whitespace	Clean all line endings
Trim Trailing Whitespace	Clean selected lines
Delete Blank Lines	Remove empty lines

Text Transformation

Operation	Description
Make Uppercase	Convert to UPPER
Make Lowercase	Convert to lower
Toggle Character Casing	Switch case
Capitalize	First Letter Caps

SQL Features

Syntax Highlighting

- Keywords (SELECT, FROM, WHERE)
- Functions (COUNT, SUM, AVG)
- Strings and numbers
- Comments (-- and /* */)
- Tag placeholders {{Tag.Name}}

Auto-Completion

- SQL keywords
- Table names
- Column names
- Function names
- Tag references

Code Templates

Common SQL patterns:

sql

```sql
-- Basic SELECT
SELECT * FROM TableName WHERE Condition

-- JOIN template
SELECT t1.*, t2.*
FROM Table1 t1
INNER JOIN Table2 t2 ON t1.ID = t2.ID

-- INSERT with tags
INSERT INTO TableName (Col1, Col2)
VALUES ({{Tag.Value1}}, {{Tag.Value2}})
```

Keyboard Shortcuts

Navigation

Shortcut	Action
Home	Line start
End	Line end
Ctrl+Home	Document start
Ctrl+End	Document end
Ctrl+G	Go to line

Selection

Shortcut	Action

Shift+Arrow	Extend selection
Ctrl+Shift+Arrow	Word selection
Shift+Home/End	Line selection
Ctrl+L	Select line

Editing

Shortcut	Action
Tab	Indent
Shift+Tab	Outdent
Ctrl+]	Increase indent
Ctrl+[	Decrease indent

Best Practices Checklist

- **Enable line numbers** - Easy reference
- **Show whitespace** - Spot formatting issues
- **Use delimiter highlighting** - Match parentheses
- **Enable word wrap** - Long queries visible
- **Regular formatting** - Consistent indentation
- **Trim whitespace** - Clean code
- **Use templates** - Standard patterns

Tips and Tricks

Efficient Editing

- Use incremental search for quick navigation
- Cut/Append for building complex queries
- Multi-line selection with Alt+drag

Code Organization

- Fold complex subqueries
- Use consistent indentation
- Comment complex logic
- Group related statements

Performance

- Highlight slow query patterns
- Use execution plan preview
- Monitor token complexity

In this section...
