

Using the APL64 Idioms Manager

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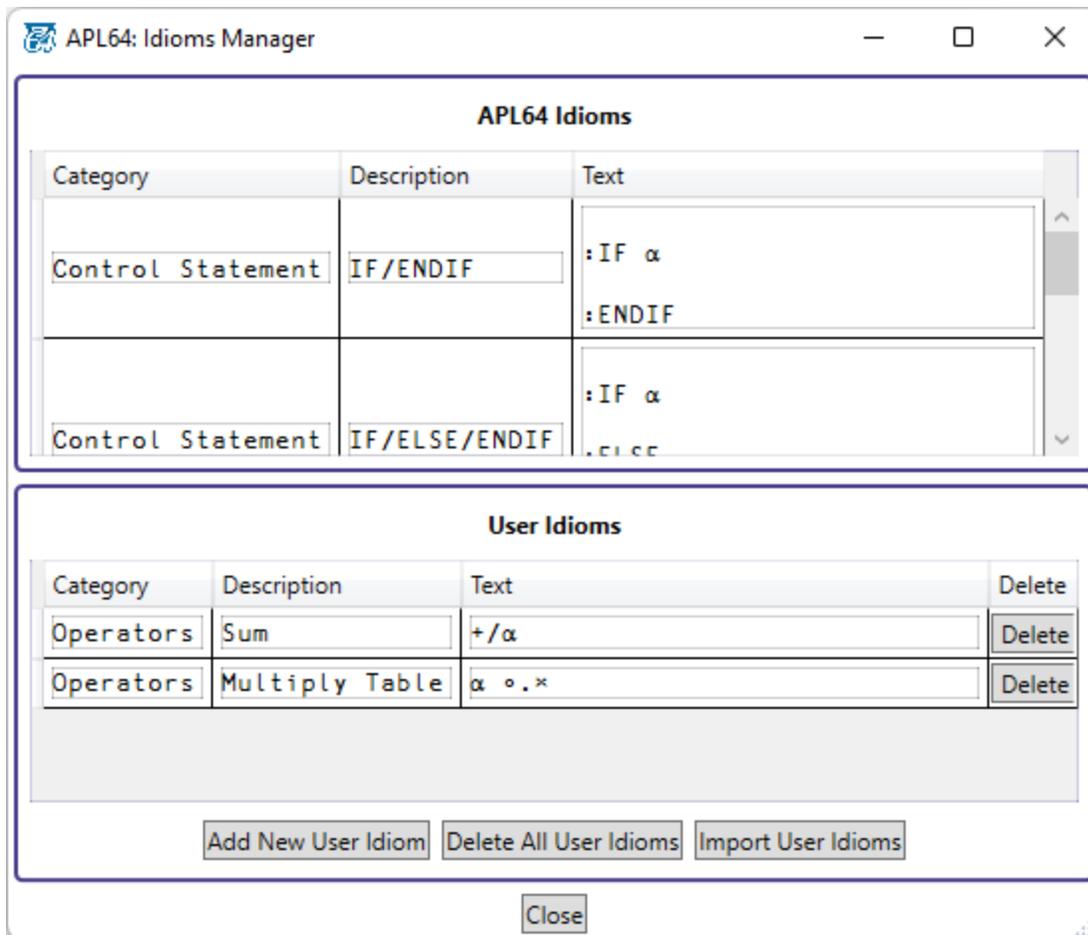
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Overview

An APL idiom is text which represents frequently used APL statements. The APL idiom may contain complete APL executable statements or may require additional APL programmer input to become APL executable statements.

Idioms Manager

The APL64 Idioms Manager dialog is used to add or edit APL idioms. Click the Ctrl+Shift+I keyboard shortcut or use the Edit | APL Idioms | Idioms Manager... menu item to present the APL64 Idioms Manager in the APL64 Developer version. The APL64 and the User idiom lists can be sorted by clicking on the column headers of each list.



Idioms Lists

The top section of the APL64 Idioms Manager dialog contains a list of APL idioms which are included with the APL64 Developer version. Additional APL64 idioms are not user editable.

The lower section of the APL64 Idioms Manager dialog contains a list of User Idioms. When the APL64 Developer version is initially installed there are no User Idioms present. The APL64 programmer can add, edit or delete a user idiom.

Delete

To delete a user idiom, click the 'Delete' button on the row of the user idioms list containing the user idiom to delete. This action is not reversible.

Delete All User Idioms

To delete all user idioms, click the 'Delete All User Idioms' button. This action is not reversible.

Add New User Idiom

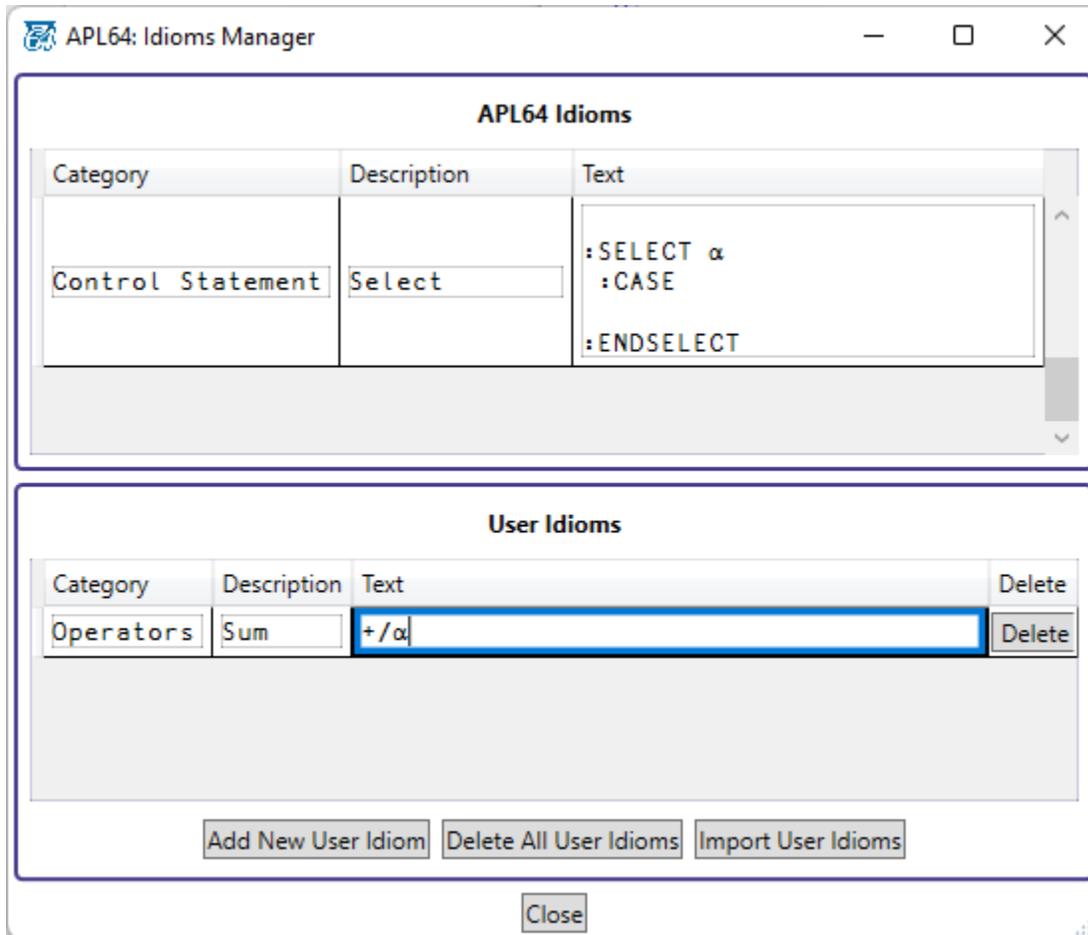
To add a new user idiom, click the 'Add New User Idiom' button. Once a new user idiom has been added, it becomes an existing user idiom.

Edit an Existing User Idiom

To edit an existing user idiom, put the focus on the row of the APL user idiom to edit.

User Idiom Fields

The user idiom fields of the new or editing user idiom are directly editable within the user idioms DataGrid. Put the focus on the new or existing user idiom field and enter the desired values:



Category

The category is a user-defined, one-line text field which can be used to group user idioms. This field can include APL glyphs. This field is displayed in the APL64 Insert Idiom dialog.

Description

The description is a user-defined, one-line text field which can be used to describe a particular APL user idiom. This field can contain APL glyphs. This field is displayed in the APL64 Insert Idiom dialog.

Text

The idiom Text field contains the text of the APL idiom which will be inserted into the user-selected GUI control of the APL64 Developer version. This field can contain APL glyphs. This field is not displayed in the APL64 Insert Idiom dialog.

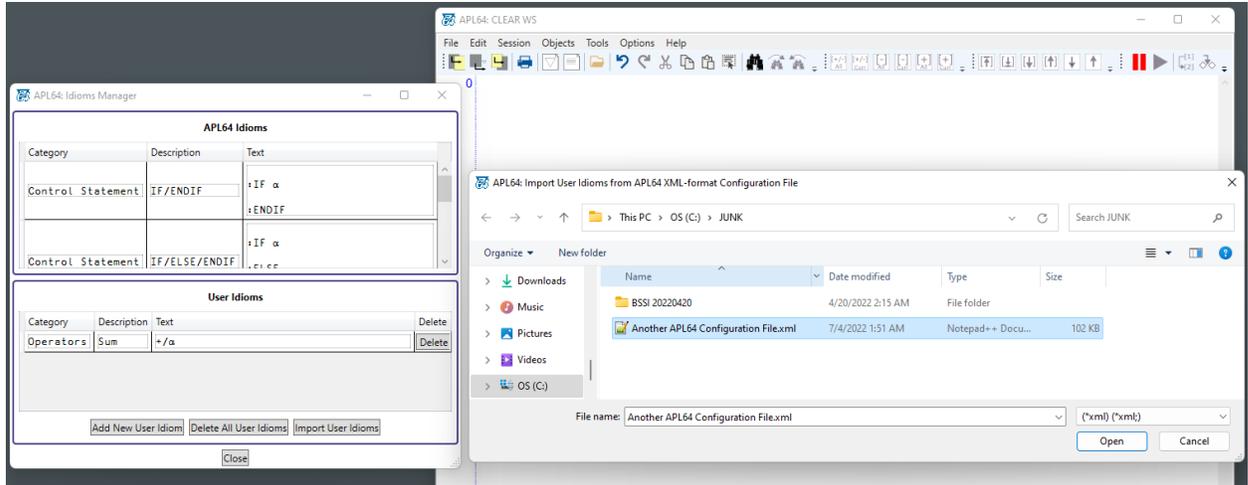
This field can be a multi-line text. To insert an additional line into the Text field, click the Enter/Return key.

To specify the cursor position after the APL idiom has been inserted, include an APL 'α' glyph at the desired location in the Text field of the APL idiom.

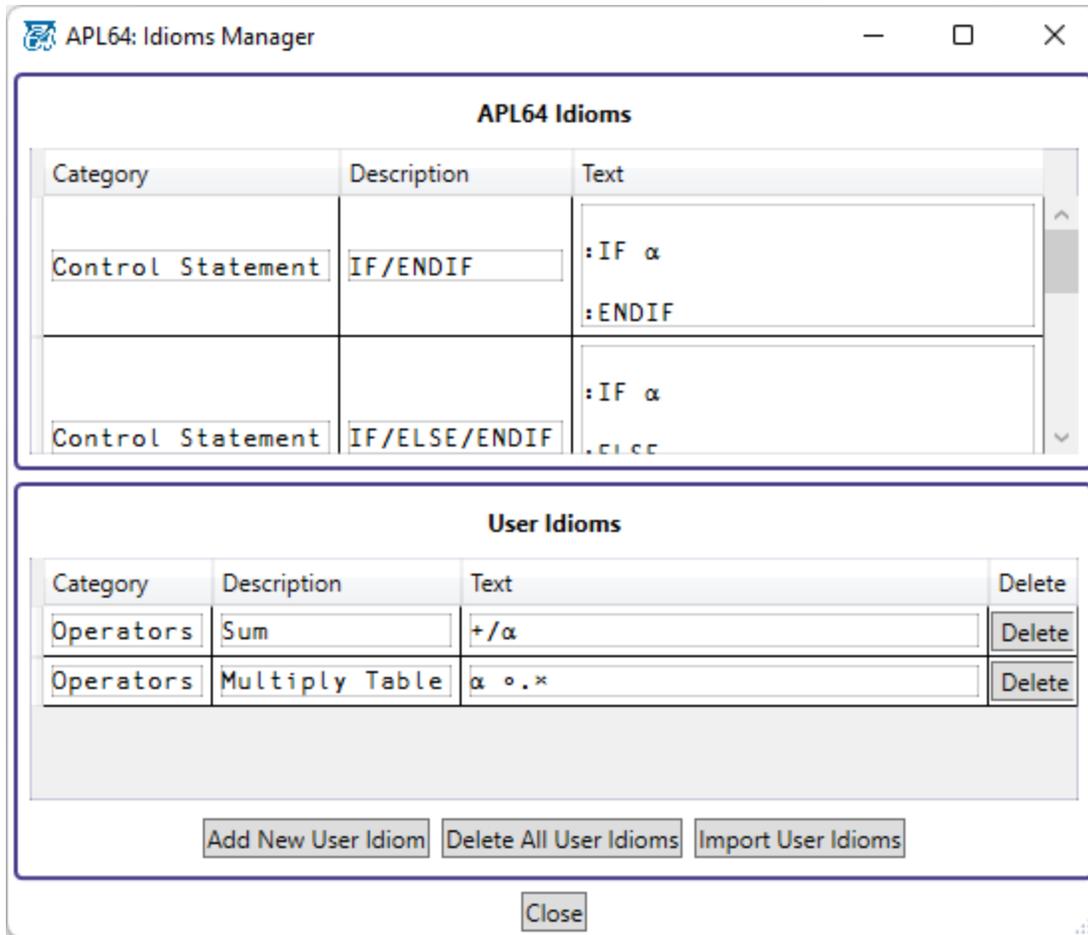
Import User Idioms

To import user idioms from an APL64 xml-format configuration file, click the 'Import User Idioms' button:

- The Open File dialog will be displayed
- Select the APL64 xml-format configuration file which contains the APL user idioms to import



- When the 'Open' button of the Open File dialog is clicked, the APL user idioms will be added to the user idioms list. Duplicate user idioms are supported.



Insert an Idiom

An APL idiom may be inserted into any APL644 Developer version GUI control which contains user-editable text.

Idiom Insertion Targets

The user-editable GUI controls are:

- Editable classic history pane
- Editable Function editor
- Variable editor (editing a text array of rank less than 3)
- Command line

If the user-selected GUI control is not user editable, e.g. the function debugger, the APL idiom cannot be inserted.

Idiom Insertion Process

- Put the focus on the target area
- Move the cursor to the point where the APL idiom will be inserted
- Use the Ctrl+I keyboard shortcut or the Edit | APL Idioms | Insert an APL Idiom... menu item
- When the APL64 Insert Idiom dialog is presented:

- The APL64 idioms and the User idioms will be displayed as a single list of APL idioms in the dialog
- If desired, click the column headings of the idioms list to sort the APL idioms
- Left mouse double click the row of the selected APL idiom, or
- Scroll to the row of the selected idiom and click the Enter/Return key
- When the selected idiom has been inserted, the cursor will be placed at the selected location provided by the APL idiom definition
- If necessary, provide additional input to complete the APL idiom so that it can be executed in APL64.

APL64: CLEAR WS

File Edit Session Objects Tools Options Help

VMYFN

```

0 Z→MYFN X
1 *REPEAT
2
3 |
4
5 *UNTIL
6
7

```

[3;1]

0)ed vZ→MYFN X
1

Ready | Editor: Function Name: MYFN Ln: 3 Col: 1 | Classic | Num EN_US

APL64: Insert APL Idiom

Source	Category	Description
APL64	Control Statement	FOR/IN/ENDFOR
APL64	Control Statement	IF/ENDIF
APL64	Control Statement	IF/ELSE/ENDIF
APL64	Control Statement	ITEST/ELSE/ENDIF
APL64	Control Statement	GOTO
APL64	Control Statement	LEAVE
APL64	Control Statement	ORIF
APL64	Control Statement	REPEAT/ENDREPEAT
APL64	Control Statement	REPEAT/UNTIL
APL64	Control Statement	RES
APL64	Control Statement	RETURN
APL64	Control Statement	SELECT
APL64	Control Statement	TRACE
APL64	Control Statement	TRY/CATCHALL/ENDTRYSELECT
APL64	Control Statement	VERIFY
APL64	Control Statement	WHILE/UNTIL