



CHAPTER

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SAS Commands under OS/2

During an interactive SAS session, you can issue commands from the SAS command line, the keyboard, or the toolbar. SAS supports many commands that help you navigate your session and accomplish certain tasks. In many cases, the command is simply another way to invoke an action that you can also accomplish by using the SAS menus and windows. However, advanced users might find the supported commands a more efficient way to work, or sometimes a more flexible way to accomplish a task in the event that the parameters of your task are different than what the SAS interface supports.

Most SAS windowing environment commands are described in SAS online Help. The commands that are described here have syntax or behavior that is specific to the OS/2 operating environment.

The following SAS commands are not supported under OS/2:

PCLEAR
PLIST
SCROLLBAR
SMARK
WDRAG
WGROW
WMOVE
WSHRINK

These commands are not supported under OS/2 because it is more efficient to use OS/2 features. For example, the SCROLLBAR command and window sizing commands are superfluous in the OS/2 operating environment, where scrollbars and window sizing bars are an integral part of the graphical user interface.

For more information on issuing commands, see “Issuing SAS Commands” on page 40.

AUTOSCROLL

Controls how often the LOG and OUTPUT windows scroll to display output

OS/2 specifics: default values

Syntax

AUTOSCROLL <number-of-lines | PAGE | MAX>

Details Under OS/2, the default value for the AUTOSCROLL command in the OUTPUT window is 0 (meaning that no output is written to that window while statements are executing, which provides the best performance). In the LOG window, the default value is 1.

Scrolling can increase the length of time that the SAS System takes to run your program. The less scrolling that the LOG and OUTPUT windows have to do, the faster that your program will run. The advantage of keeping the AUTOSCROLL setting of the LOG window at 1 is that the SAS System uses the LOG window to notify you of the status of the running program.

You can also set scrolling options in the Preferences dialog box **Advanced** page.

See Also

- “Setting Session Preferences” on page 43
- AUTOSCROLL command in SAS online Help

AWSMAXIMIZE

Maximizes the main SAS window

OS/2 specifics: all

Syntax

AWSMAXIMIZE <ON | OFF>

no argument

toggles the main SAS window between the maximized and the restored state.

ON

maximizes the main SAS window. This option has the same effect as clicking on the maximize button.

OFF

restores the main SAS window to its previous state.

Details The AWSMAXIMIZE command allows you to enlarge the SAS main window to use the complete OS/2 Workplace Shell.

AWSMINIMIZE

Minimizes the main SAS window

OS/2 specifics: all

Syntax

AWSMINIMIZE <ON | OFF>

no argument

toggles the main SAS window between the minimized and the restored state.

ON

minimizes the main SAS window. This option has the same effect as clicking on the minimize button.

OFF

restores the main SAS window to its previous state.

Details The AWSMINIMIZE command allows you to minimize the main SAS window to the Minimized Window Viewer.

AWSRESTORE

Restores the main SAS window to its previous state

OS/2 specifics: all

Syntax

AWSRESTORE <ON | OFF>

no argument

toggles the main SAS window between the maximized and the restored state.

ON

restores the main SAS window to its previous state. This option has the same effect as selecting **Restore** from the main SAS window's title bar menu.

OFF

restores the main SAS window to its default state.

Details You can use either the AWSRESTORE command or the AWSMAXIMIZE command to toggle the main SAS window between maximized and its previous state.

CAPS

Causes characters to be translated to uppercase

OS/2 specifics: all

Syntax

CAPS

Details The CAPS command changes the case for text not yet entered or for text modified in a window.

Under OS/2, characters are translated to uppercase when you move the cursor off the line *or* when you press ENTER.

See Also

- CAPS command in SAS online Help

COLOR

Controls the color of window components

OS/2 specifics: affected window components

Syntax

COLOR *field-type* < *color* | NEXT < *highlight*>>

field-type

specifies the area of the window or the type of text whose color is to be changed.

color

specifies a color for the window or for selected portions of the window.

NEXT

changes the color to the next available color. The value of NEXT is based on the most recent color entered. The order of the colors depends on your monitor.

highlight

specifies the highlighting attribute.

Details Under OS/2, you cannot use the COLOR command to change the colors of the following display components: border, menu bar, pop-up menu background, and title bar. Use the OS/2 Control Panel to change the colors of these display components.

In addition, the HIGHLIGHT and BLINK attributes are not supported for any OS/2 window component.

See Also

- COLOR command in SAS online Help

COMMAND

Sets the options for the command bar or Command dialog box

OS/2 specifics: valid options

Syntax

```
COMMAND << WINDOW <"title"> | BAR
      <SORT=MCU | MRU><MAX=max-commands><AUTOCOMPLETE |
      NOAUTOCOMPLETE>> | CLOSE>
```

no arguments

toggles the command line on and off for the active window.

WINDOW <"title">

specifies to display the Command dialog box. The "title" argument is optional and must be enclosed in double quotes. If you specify *title*, the Command dialog box appears with *title* as the title.

BAR

specifies to display the command bar in a stationary location, underneath the menu bar.

SORT=MCU | MRU

specifies how you want SAS to sort the commands that are stored in the Command window list. You can have the commands sorted in the order of those that you most commonly use (MCU) or that you most recently used (MRU).

You must specify the WINDOW or BAR argument on the command before specifying the SORT argument.

MAX=*max-commands*

specifies the maximum number of commands to "remember" in the Command window list. Valid values are 0 through 50.

You must specify the WINDOW or BAR argument on the command before specifying the MAX argument.

AUTOCOMPLETE | NOAUTOCOMPLETE

specifies whether or not the command bar attempts to match the command being typed with commands previously typed.

CLOSE

specifies to close the command bar or the Command dialog box.

Details You can set some of these options by using the Preferences dialog box **View** page. However, you can specify a title for the Command window only by using this command.

See Also

- COMMAND in SAS System Help
- “Setting Session Preferences” on page 43
- Command: “DLGPREF” on page 205

CUT

Cuts selected text from a window

OS/2 specifics: supported options

Syntax

CUT <LAST | ALL>

LAST

cuts the most recently marked text and unmarks all other marks when more than one area of text is marked. To cut one area of text when more than one mark exists, you must use either the LAST or the ALL argument.

ALL

cuts all current marks when more than one area of text is marked.

Details The CUT command removes marked text from the current window and stores it in the OS/2 clipboard.

Under OS/2, the APPEND and BUFFER= options are not supported for the CUT command.

See Also

- CUT command in SAS online Help
- “Using the Clipboard” on page 37
- Command: “WCUT” on page 221

DLGABOUT

Opens the About SAS System dialog box

OS/2 specifics: all

Syntax

DLGABOUT

Details To access the About SAS System dialog box from the pull-down menus, select the **Help** menu and then select **About SAS System**.

DLGCDIR

Opens the Change Folder dialog box

OS/2 specifics: all

Syntax

DLGCDIR

Details From the Change Folder dialog box, you can select a new working folder.

See Also

- “Changing the SAS Current Folder” on page 42

DLGENDR

Opens the Exit dialog box

OS/2 specifics: all

Syntax

DLGENDR

Details The Exit dialog box prompts you to confirm that you want to exit the SAS System. If you select **OK** in the dialog box, the SAS session ends. If **Confirm exit** is unchecked in the Preferences dialog box **General** page, SAS closes when you enter DLGENDR.

See Also

- “Setting Session Preferences” on page 43

DLGFIND

Opens the Find dialog box

OS/2 specifics: all

Syntax

DLGFIND

Details The Find dialog box allows you to search for text strings.

See Also

- Command: “DLGREPLACE” on page 207

DLGFONT

Opens the Font dialog box

OS/2 specifics: all

Syntax

DLGFONT

Details The Fonts Selection dialog box allows you to dynamically change the SAS windowing environment font.

DLGOPEN

Opens the Open dialog box

OS/2 specifics: all

Syntax

DLGOPEN <LONGFILTER=*filters* | FILTER=*filters* <REPLACE> >>SUBMIT |
NOSUBMIT> <IMPORT> <VERIFY> <ALTCMD=*command*>

no arguments

opens the Open dialog box with the default settings.

LONGFILTER=*filters* | FILTER=*filters*

LONGFILTER=*filters* specifies one or more file filters to use as search criteria for displaying files in the Open dialog box. The first filter in the argument list is used as

the search criteria. You must enclose the filter list in double quotation marks. Note that you can specify long file names that include spaces and single quotes. For example, if you specify

```
dlgopen longfilter='*.Bob's work'
```

the dialog box displays all files in the current folder that have .Bob's work as their file extension.

Note: When you are using the DLGOPEN command in the DM statement, do not use single quotation marks as part of a longfilter. The DM statement requires single quotation marks around the command it submits. A single quotation mark in the longfilter indicates to the DM statement the end of the command. △

FILTER='filters' specifies one or more file filters to use as search criteria for displaying files in the Open dialog box. The first filter in the list is used as the search criteria. You must enclose the filter list in quotation marks. Separate multiple filters with a space. For example, if you specify

```
dlgopen filter='*.bak *.txt'
```

the dialog box displays all files in the current folder that have a .BAK and .TXT file extensions.

In both **LONGFILTER=** and **FILTER=**, you can specify one or more filters, but only the first filter is honored.

Note: The difference between **LONGFILTER="filters"** and **FILTER='filters'** is the use of spaces and quotation marks. When you use **LONGFILTER="filters"**, the filter can contain spaces and single quotation marks. When you use **FILTER='filters'**, the filters cannot contain spaces and quotes. △

SUBMIT | NOSUBMIT

specifies whether the **Submit** check box is checked when the dialog box opens. By default, the **Submit** check box (which indicates that the contents of the opened file should be immediately submitted as a SAS program) is not checked. To automatically submit a file it is opened, select **Submit contents of file opened** from the Preferences dialog box **General** page.

IMPORT

opens the Import dialog box, allowing you to import graphics files into your SAS session. For more information on importing graphics, see "Importing a Graphics File from within a SAS/GRAPH Window" on page 115.

VERIFY

verifies whether the active window contains a **File** pull-down menu with an **Open** item. If it does, the Open dialog box invokes the Open item command instead of invoking the default **INCLUDE** command.

The **VERIFY** argument is not valid when specified with **ALTCMD** or **IMPORT**.

ALTCMD='command'

specifies a command to be applied to the file that is selected from the Open dialog box. For example, the command

```
dlgopen altcmd='x' longfilter='*.bat'
```

allows you to select a DOS batch file, which is then run in a DOS shell. The **INCLUDE** command is the default command.

Details The Open and Import dialog boxes allow you to select a file to read into the active window. To access the Open dialog box from the pull-down menus, select the **File** menu and then select **Open**. To access the Import dialog box from the pull-down menus, select the **File** menu and then select **Import**.

See Also

- “Opening and Saving Files” on page 29
- “Setting Session Preferences” on page 43
- “Importing Graphics from Other Applications” on page 115

DLGPAGESETUP

Opens the Page Setup dialog box

OS/2 specifics: all

Syntax

DLGPAGESETUP

Details The Page Setup dialog box allows you to define page attributes such as orientation and margins.

See Also

- “Changing the Page Setup Options” on page 104

DLGPREF

Opens the Preferences dialog box

OS/2 specifics: all

Syntax

DLGPREF

Details The Preferences dialog box allows you to configure your SAS session to accommodate the way that you like to work.

See Also

- “Setting Session Preferences” on page 43

DLGPRT

Opens the Print dialog box

OS/2 specifics: all

Syntax

DLGPRT <NOSOURCE | ACTIVEBITMAP | SCREENBITMAP | AWSBITMAP |
 CLIPBITMAP | CLIPTEXT | ALTCMD=*command* | BITMAPONLY |
 NODISPLAY | VERIFY>

no argument

prints the active window with the default print settings.

ACTIVEBITMAP

suppresses the Print dialog box and prints the active window as a bitmap.

ALTCMD=*command*

uses the Print dialog box to issue a command other than PRINT.

AWSBITMAP

suppresses the Print dialog box and prints the main SAS window as a bitmap.

BITMAPONLY

allows only bitmap printing from the Print dialog box.

CLIPBITMAP

suppresses the Print dialog box and prints the contents of the OS/2 clipboard as a bitmap.

CLIPTEXT

suppresses the Print dialog box and prints the contents of the OS/2 clipboard as text.

NODISPLAY

suppresses the Print dialog box and prints using the default settings.

NOSOURCE

prevents the user from specifying a source (application window) from which to print.

SCREENBITMAP

suppresses the Print dialog box and prints the entire screen as a bitmap.

VERIFY

checks to see if the active application window supports text printing (that is, whether the **File** pull-down menu contains a **Print** item). If it does not, the Print dialog box allows only bitmap printing.

Details The Print dialog box allows you to print the contents of the active window.

See Also

- “Printing from within a SAS Window” on page 102

DLGPRTSETUP

Opens the Print Setup dialog box or programmatically sets printer settings

OS/2 specifics: all

Syntax

DLGPRTSETUP <ORIENT=PORTRAIT | LANDSCAPE><NODISPLAY>

ORIENT=PORTRAIT | LANDSCAPE

sets the default page orientation for the current printer. The orient parameter is to support backward compatibility of SAS. The preferred method to specify the orientation is with the ORIENTATION system option.

NODISPLAY

suppresses the display of the Print Setup dialog box. This option is intended to be used only when you use other options to explicitly set printer settings.

Details The Print Setup dialog box allows you to name the printer to which you want to print, specify that you want to use SAS forms to print, and to access dialog boxes that control how the SAS System prints information, such as paper orientation, margins, and fonts.

See Also

- “Changing the Print Options” on page 103

DLGREPLACE

Opens the Replace dialog box

OS/2 specifics: all

Syntax

DLGREPLACE

Details The Replace dialog box allows you to find a text string and replace it with another text string.

See Also

- Command: “DLGFIND” on page 202

DLGRUN

Opens the Run dialog box

OS/2 specifics: all

Syntax

DLGRUN

Details The Run dialog box allows you to start another application from within SAS.

DLGSAVE

Opens the Save As dialog box

OS/2 specifics: all

Syntax

```
DLGSAVE <LONGFILTER="filters" | FILTER='filters' <REPLACE>> <EXPORT>
      <NOPROMPT> <VERIFY> <ALTCMD='command'>
```

no arguments

opens the Save As dialog box with the default settings.

LONGFILTER="filters" | FILTER='filters'

LONGFILTER="filters" specifies one or more file filters to use as search criteria for displaying files in the Save As dialog box. The first filter in the argument list is used as the search criteria. You must enclose the filter list in double quotation marks. Note that you can specify long file names that include spaces and single quotes. For example, if you specify

```
dlgsave longfilter='*.Bob's work'
```

the Save As dialog box displays all files in the current folder that have .Bob's work as their file extension.

Note: When you are using the DLGSAVE command in the DM statement, do not use single quotation marks as part of a longfilter. The DM statement requires single quotation marks around the command it submits. A single quotation mark in the longfilter indicates to the DM statement the end of the command. △

FILTER='filters' specifies one or more file filters to use as search criteria for displaying files in the Save As dialog box. The first filter in the list is used as the search criteria. You must enclose the filter list in quotation marks. Separate multiple filters with a space. For example, if you specify

```
dlgsave filter='*.bak *.txt'
```

the dialog box displays all files in the current folder that have a .BAK and .TXT file extensions.

In both LONGFILTER= and FILTER= you can specify one or more filters but only the first filter is honored.

Note: The difference between LONGFILTER="filter" and FILTER='filters' is that with LONGFILTER="filters" you can use spaces and quotes in the filters, where in FILTER='filters' you cannot use spaces and quotes. △

EXPORT

opens the Export dialog box, allowing you to export graphics files from your SAS session. For more information about the Export dialog box, see “Exporting Graphics for Use with Other Applications” on page 116.

NOPROMPT

does not prompt the user to replace or append an existing file.

VERIFY

verifies whether the active window contains a **File** pull-down menu with a **Save** item. If it does, the Save As dialog box invokes the **Save** item instead of the default **FILE** command.

The VERIFY argument is not valid when specified with the ALTCMD or EXPORT arguments.

ALTCMD='command'

specifies a command to be applied to the file that is selected from the Save As dialog box. For example, the command

```
dlgsave altcmd='prtfile'
```

sets the file selected from the Save As dialog box as the current print file. The **FILE** command is the default command.

Details The Save As dialog box lets you save the contents of the active window to a file. To access the Save As dialog box from the pull-down menus, select the **File** menu and then select **Save As**.

See Also

- “Saving Window Contents to a File” on page 30

DLGSMAIL

Opens the Send Mail dialog box

OS/2 specifics: all

Syntax

DLGSMAIL

Details The Send Mail dialog box allows you to send electronic mail while working in the SAS System. To access the Send Mail dialog box from the pull-down menus, select the **File** menu and then select **Send...**

See Also

- “Using the Send Mail Dialog Box to Send E-Mail” on page 130
- Command: “WEMAILFMT” on page 222

FILE

Saves the contents of a window to an external file

OS/2 specifics: valid options

Syntax

FILE *file-specification* <*portable-options*> <*host-options*>

file-specification

specifies a valid OS/2 external file specification, as documented in “Referencing External Files” on page 82.

portable-options

specifies one or more portable options, which are documented under the FILE command in SAS online Help.

host-options

BLKSIZE=*block-size*

BLK=*block-size*

specifies the number of bytes that are physically read or written in an I/O operation. The default is 8K. The maximum is 1M.

HOTLINK

is used only in the context of Dynamic Data Exchange (DDE). For a complete description and an example of using this option, see “Using the DDE HOTLINK” on page 150.

LRECL=*record-length*

specifies the record length (in bytes). Under OS/2, the default is 256. The value of *record-length* can range from 1 to 1,048,576 (1 megabyte).

NOTAB

is used only in the context of Dynamic Data Exchange. This option enables you to use non-tab character delimiters between variables. For more information about this option, see “Using the NOTAB Option with DDE” on page 149.

RECFM=*record-format*

controls the record format. Under OS/2, the following values are valid:

F	indicates fixed format.
N	indicates binary format and causes the file to be treated as a byte stream.
P	indicates print format.
S370V	indicates the variable S370 record format (V).

S370VB	indicates the variable block S370 record format (VB).
S370VBS	indicates the variable block with spanned records S370 record format (VBS).
V D	indicates variable format. This is the default.

Details The FILE command writes the entire contents of the active window to an external file without removing text from the window.

See Also

- FILE command in SAS online Help
- “Using the FILE Command” on page 95
- For an example of using some of these options, see “Advanced External I/O Techniques” on page 96.

FILL

Specifies the fill character

OS/2 specifics: default character

Syntax

FILL *fill-character*

fill-character

specifies the character to be used to fill out a line.

Details The fill characters are placed beginning at the current cursor position. Under OS/2, the default fill character is an underscore (_).

See Also

- FILL command in SAS online Help

GSUBMIT

Submits SAS code stored in the OS/2 clipboard

OS/2 specifics: valid value for *paste-buffer-name*

Syntax

GSUBMIT BUF=*paste-buffer-name* | “*SAS-statement-1*;*SAS-statement-n*”;

Details Under OS/2, if the *paste-buffer-name* argument is specified, it must be DEFAULT. The OS/2 clipboard is the default paste buffer.

See Also

- “Using the GSUBMIT Command” on page 96

HOME

Toggles the cursor position between current position and home position

OS/2 specifics: keyboard equivalent

Syntax

HOME

Details Under OS/2, the HOME command is equivalent to the HOME key on your keyboard, which toggles your cursor between the last cursor position and the home position in the window. If the Command line displays in the window, the home position is the Command line.

You can also define a function key to execute the CURSOR command, which positions the cursor at the home position in the window, but has no toggle effect.

See Also

- HOME command in SAS online Help

ICON

Minimizes the active window and displays it as an icon

OS/2 specifics: all

Syntax

ICON <ALL>

ICON

specifies that the active window be minimized.

ICON ALL

specifies that all windows except the main SAS window be minimized.

Details The appearance of window icons under OS/2 may be significantly different from the appearance of window icons under other operating environments. For example, the OUTPUT window icon is an image of a report document. If the ALL option is specified, all SAS windows except the main SAS window are minimized.

Note: Do not confuse this command with the ICON system option, which minimizes the main SAS window. △

See Also

- ICON command in SAS online Help

INCLUDE

Copies lines from an external file into a SAS window

OS/2 specifics: valid options

Syntax

INCLUDE *file-specification* <*portable-options*> <*host-options*>

file-specification

specifies a valid OS/2 external file specification, as documented in “Referencing External Files” on page 82.

portable-options

specifies one or more portable options, which are documented under the INCLUDE command in SAS online Help.

host-options

BLKSIZE=*block-size*

BLK=*block-size*

specifies the number of bytes that are physically read or written in an I/O operation. The default is 8K. The maximum is 1M.

LRECL=*record-length*

specifies the record length (in bytes). Under OS/2, the default is 256. The value of *record-length* can range from 1 to 1,048,576 (1 megabyte).

NOTAB

is used only in the context of Dynamic Data Exchange. This option enables you to use non-tab character delimiters between variables. For more information about this option, see “Using the NOTAB Option with DDE” on page 149.

RECFM=*record-format*

controls the record format. Under OS/2, the following values are valid:

- | | |
|---|---|
| F | indicates fixed format. |
| N | indicates binary format and causes the file to be treated as a byte stream. |
| P | indicates print format. |

S370V	indicates the variable S370 record format (V).
S370VB	indicates the variable block S370 record format (VB).
S370VBS	indicates the variable block with spanned records S370 record format (VBS).
V D	indicates variable format. This is the default.

Details The INCLUDE command copies the entire contents of an external file into the active window.

If you do not specify a *file-specification*, then SAS uses the filename from the previous FILE or INCLUDE command. In this case, SAS first asks you if you want to overwrite the file. If you have not issued any FILE or INCLUDE commands, you receive an error message indicating no default file exists.

See Also

- INCLUDE command in SAS online Help
- “Using the INCLUDE Command” on page 95
- For an example of using some of these options, see “Advanced External I/O Techniques” on page 96.

PMENU

Toggles the command line in the SAS application windows on and off

OS/2 specifics: command behavior

Syntax

PMENU <ON | OFF>

no argument

toggles the command lines on and off.

ON

turns the command lines on.

OFF

turns the command lines off.

Details Even if you use the PMENU command to turn the command lines on, SAS still displays the pull-down menus and pop-up menus that are enabled.

See Also

- PMENU command in SAS online Help
- Command: “COMMAND” on page 200
- Command: “WMENUPOP” on page 226

STORE

Copies selected text or graphics to the OS/2 clipboard

OS/2 specifics: valid options

Syntax

STORE <LAST | ALL>

LAST

copies only the most recently marked text and unmarks all other marks when more than one area of text is marked. To store one area of text when more than one mark exists, you must use either the LAST or ALL argument.

ALL

stores all current marks when more than one area of text has been marked.

Details The STORE command copies marked text or graphics in the active window and stores the copy in the OS/2 clipboard.

The APPEND and BUFFER options are not supported under OS/2 for the STORE command.

See Also

- STORE command in SAS online Help
- “Using the Clipboard” on page 37

TOOLCLOSE

Closes the application toolbar

OS/2 specifics: all

Syntax

TOOLCLOSE

Details Use the TOOLCLOSE command to close the toolbar.

TOOLEEDIT

Opens the Customize Tools dialog box

OS/2 specifics: all

Syntax

TOOLEEDIT <*library.catalog.entry*>

no argument

edits the currently loaded set of tools.

library.catalog.entry

specifies the TOOLBOX entry you want to edit.

Details The TOOLEEDIT command invokes the Customize Tools dialog box with the TOOLBOX entry specified by *library.catalog.entry*. If a TOOLBOX entry is not specified, the currently loaded set of tools is used.

See Also

- “Customizing the Toolbar” on page 50

TOOLLARGE

Toggles the size of the toolbar buttons

OS/2 specifics: all

Syntax

TOOLLARGE <ON | OFF>

no argument

toggles the large tools on and off.

ON

turns the large tools on.

OFF

turns the large tools off.

Details The TOOLLARGE command toggles the size of the toolbar buttons between normal and large. You might find the large buttons easier to use with high-resolution displays.

See Also

- “Resetting the Tools to the Default Settings” on page 53

TOOLLOAD

Loads a specific toolbox

OS/2 specifics: all

Syntax

TOOLLOAD <WINDOW> <BOX | BAR> <*libref.catalog.member*>

no arguments

loads the toolbar for the active window. The tools are displayed as a toolbar or toolbox, depending on the setting in the Customize tools dialog box.

WINDOW

associates the toolbox entry you specify with the active window, so the particular set of tools you load apply only to that window. This association lasts until you close the window. If you reopen the window later, the window will revert to its default toolbar.

BOX | BAR

controls whether the icons are displayed as a toolbox in a separate window or a toolbar integrated with the main SAS window.

libref.catalog.member

specifies the catalog entry to load. TOOLBOX is the default catalog entry type.

Details After the TOOLLOAD command is processed, the specified toolbox is the active toolbox.

See Also

- “Customizing and Saving a Toolbar for Use with a Particular Application or Window” on page 53

TOOLSWITCH

Toggles the tool switching feature on and off

OS/2 specifics: all

Syntax

TOOLSWITCH <ON | OFF>

no argument

toggles the tool switching feature on and off.

ON

automatically loads the toolbar (if one is defined) for the active window.

OFF

uses the default toolbar (SASUSER.PROFILE.TOOLBOX) for all windows unless you explicitly load another one.

Details The TOOLSWITCH command allows you to switch between a toolbar defined for the active window and the SAS default toolbar.

See Also

- “Customizing the Toolbar” on page 50
- Command: “TOOLEEDIT” on page 216

TOOLTIPS

Toggles the ScreenTip for toolbars feature on and off

OS/2 specifics: all

Syntax

TOOLTIPS <ON | OFF>

no argument

toggles the ScreenTip for toolbars feature on and off.

ON

turns the ScreenTip for toolbars feature on.

OFF

turns the ScreenTip for toolbars feature off.

Details ScreenTips are the helpful cues that appear over toolbar buttons (and over some other controls in the main SAS window) as you position the mouse pointer over them.

The TOOLTIPS command specifies whether the ScreenTip text is displayed when you move the cursor over an icon in the toolbox or some other control. If you do not specify ON or OFF, the TOOLTIPS command toggles the text on and off, depending on the current setting.

See Also

- Command: “WSCREENTIPS” on page 229

WATTACH

Toggles whether the contents of the active window are attached to an electronic mail message that you initiate using the SAS System

OS/2 specifics: all

Syntax

WATTACH <ON | OFF>

no argument

toggles the attach mode on and off.

ON

specifies to attach the active window.

OFF

specifies to not attach the active window.

Details If you specify ON, the contents of the active window are sent as an attached file. For text windows, the format is either text or RTF (as determined by the WEMAILFMT command or the Preferences dialog box settings). Graphic windows are sent as bitmap (.BMP) files.

You can also toggle this setting in the Preferences dialog box **Genera1** page.

See Also

- “Sending E-Mail from within the SAS System” on page 129
- Command: “WEMAILFMT” on page 222
- “Setting Session Preferences” on page 43
- Command: “DLGPREF” on page 205

WATTENTION

Displays the Tasking Manager window, which allows you to select which SAS process to terminate

OS/2 specifics: all

Syntax

WATTENTION

Details

The WATTENTION command allows you to select a SAS process to terminate. This is the equivalent of pressing CTRL + Break.

WAUTOSAVE

Controls how often the SAS System automatically saves work from the Program Editor window

OS/2 specifics: all

Syntax

WAUTOSAVE <<ON | OFF> INTERVAL=*minutes*>

no arguments

turns the autosave feature on and resets the autosave timer (so that work will automatically be saved after the defined time interval).

ON | OFF

specifies to turn the autosave feature on or off.

INTERVAL=*minutes*

specifies to automatically save work every certain number of minutes. The default interval is 10 minutes.

Details Use the WAUTOSAVE command if you want the SAS System to automatically save your work more often or less often than the default interval of every 10 minutes. SAS saves the Program Editor content to 'pgm.asv' in the current working folder. You can also set the autosave feature in the Preferences dialog box **Edit** page.

See Also

- "Setting Session Preferences" on page 43

WBROWSE

Invokes a web browser

OS/2 specifics: all

Syntax

WBROWSE <"URL">

no argument

invokes the preferred web browser as defined in the Preferences dialog box **web** page.

“URL”

specifies a URL (Uniform Resource Locator), which contains the server and path information needed to find a document on the Internet or on a local intranet.

Details By default, the WBROWSE command invokes a web browser that displays SAS Institute’s home page (www.sas.com). If you specify a URL, then that location is displayed instead. Note that you must enclose the URL in double quotations. The default page the web browser opens can be changed in the Preferences dialog box **web** page.

See Also

- “Setting Session Preferences” on page 43

WCOPY

Copies the marked contents of the active window to the OS/2 clipboard

OS/2 specifics: all

Syntax

WCOPY

Details WCOPY is intended to be used with the toolbar commands. When you enter the WCOPY command and the active window is a text window, the active window’s menu is searched for a COPY item. If there is a COPY item, the marked contents is copied to the Windows clipboard. If there is no COPY item, WCOPY will execute the STORE command for text and the GSTORE command for graphics.

See Also

- Command: “STORE” on page 215
- GSTORE command in *SAS/GRAPH Software: Reference*

WCUT

Moves the marked contents of the active window to the OS/2 clipboard

OS/2 specifics: all

Syntax

WCUT

Details WCUT is intended to be used with the toolbar commands. It is valid only when the active window is an editor window, such as the PROGRAM EDITOR window. When you enter the WCUT command, the active window's menu is searched for a CUT item. If there is a CUT item, the marked contents of the active window is moved to the Windows clipboard. If there is no CUT item, WCUT will execute the CUT command.

See Also

- Command: "CUT" on page 201

WDOCKVIEW

Toggles the Docking View feature on and off

OS/2 specifics: all

Syntax

WDOCKVIEW <ON | OFF>

no argument

toggles the docking view feature on and off.

ON

turns the docking view feature on.

OFF

turns the docking view feature off

Details

The docking view allows for easy navigation within the main SAS window. When the docking view is on, windows that can be docked (integrated with the main SAS window) such as the SAS Explorer and Results windows, display on the left side of the main SAS window. When you click on an item in a docked window that opens another window, such as the output from a procedure listed in the Results window, the window opens on the right side of the main SAS window. You navigate between docked windows using tabs.

See Also

- "Using the Docking View" on page 28
- "Setting Session Preferences" on page 43

WEMAILFMT

Specifies the format to use when attaching the contents of a text window to an electronic mail message

OS/2 specifics: all

Syntax

WEMAILFMT TEXT | RTF

TEXT

attaches the contents of the current SAS text window as a plain text file.

RTF

attaches the contents of the current SAS text window as a rich text format (RTF) file.

Details

If the current SAS window contains graphics, the contents of the windows are automatically attached as a bitmap (.BMP) file.

See Also

- “Sending E-Mail from within the SAS System” on page 129
- Command: “WATTACH” on page 219
- Command: “DLGSMAIL” on page 209

WEXITSAVE

Toggles saving your settings when you exit SAS

OS/2 specifics: all

Syntax

WEXITSAVE <ON | OFF>

no argument

toggles the saving of your settings when you exit SAS.

ON

saves your settings when you exit SAS.

OFF

does not save your settings when you exit SAS.

Details

You can also toggle this setting in the Preferences dialog box **General** page.

See Also

- “Setting Session Preferences” on page 43

WFILE

Saves the contents of the active window to a file

OS/2 specifics: all

Syntax

WFILE <REPLACE | APPEND>

If you use the WFILE command with a window that is not associated with a file, the SAS System opens the Save As dialog box. Otherwise, SAS does one of the following depending on the arguments you specify:

no argument

the SAS System prompts you to choose whether to replace or append a file that already exists.

REPLACE

replaces the current file with the contents of the window.

APPEND

appends the contents of the window to the current file.

Details The WFILE command saves the contents of the active window to a file.

See Also

- “Saving Window Contents to a File” on page 30
- Command: “DLGSAVE” on page 208

WHIDECURSOR

Suppresses the display of the cursor in SAS windows that do not allow text input

OS/2 specifics: all

Syntax

WHIDECURSOR <ON | OFF>

no argument

toggles between hiding and displaying the cursor.

ON
hides the cursor.

OFF
displays the cursor.

Details The WHIDECURSOR command inhibits the display of the default text cursor in windows that do not allow text input, such as those in SAS/ASSIST, SAS/EIS, and SAS/AF software. You can also toggle this setting in the Preferences dialog box **Advanced** page.

WHSBAR

Toggles the horizontal scroll bars on and off

OS/2 specifics: all

Syntax

WHSBAR <ON | OFF>

no argument
toggles the horizontal scroll bars on and off.

ON
displays the horizontal scroll bars.

OFF
hides the horizontal scroll bars.

Details You can also toggle this setting in the Preferences dialog box **view** page.

See Also

- “Setting Session Preferences” on page 43
- Command: “DLGPREF” on page 205

WINSERT

Toggles insert mode on and off

OS/2 specifics: all

Syntax

WINSERT <ON | OFF>

no argument

toggles insert mode on and off.

ON

enables insert mode.

OFF

enables overstrike mode.

Details You can also toggle this setting by pressing the INSERT key on your keyboard, or the **Overstrike mode** option in the Preferences dialog box **Edit** page.

See Also

- “Setting Session Preferences” on page 43
- Command: “DLGPREF” on page 205

WMENUPOP

Toggles the pop-up menus in the SAS application windows on and off

OS/2 specifics: all

Syntax

WMENUPOP <ON | OFF>

no argument

toggles the pop-up menus on and off.

ON

turns the pop-up menus on.

OFF

turns the pop-up menus off.

Details By default, the pop-up menus are on. You can access the pop-up menu for a window by clicking the right mouse button inside the window client area.

When used with the -NOAWSMENU system option, this command makes all menu selections unavailable to the user. This can be a useful technique when developing SAS/AF applications in which you want to restrict the actions of the end user.

See Also

- System option: “AWSMENU” on page 328
- Command: “PMENU” on page 214
- Command: “WPOPUP” on page 229

WMRU

Retains the names of the most recently used files in the File menu

OS/2 specifics: all

Syntax

WMRU <<ON> <NUM=*number-of-filenames*><CASCADE>>| <OFF>

no arguments

toggles the file list on and off.

ON NUM=*number-of-filenames*

turns the file list on and maintains *number-of-filenames* filenames in the list. The *number-of-filenames* argument can be an integer from 1 to 30. If you omit *number-of-filenames*, the last number specified for the most recently used files is used.

CASCADE

specifies that the most recently used files list can be accessed from the **File** menu **Recent Files** submenu.

OFF

turns the file list off.

Details When you open or save a file using the Open or Save As dialog boxes, SAS adds the filename to the list in the **File** menu or the **Recent Files** submenu. You can open a recently used file in a SAS System editor by selecting its name from the **File** menu or the **Recent Files** submenu. By default, SAS retains four filenames in the list.

You can also configure these settings in the Preferences dialog box **General** page.

See Also

- “Setting Session Preferences” on page 43
- Command: “DLGPREF” on page 205

WNAVKEYUNMARK

Toggles the setting for enabling unmarking of text using navigational keys

OS/2 specifics: all

Syntax

WNAVKEYUNMARK <ON | OFF>

no argument

toggles the **Enable unmarking with navigation keys** setting on and off.

ON

turn the **Enable unmarking with navigation keys** setting on.

OFF

turns the **Enable unmarking with navigation keys** setting off.

Details

When the Enable unmarking with navigation keys setting is on, you can unmark text using the up, down, left, and right navigation keys.

See Also

- “Setting Session Preferences” on page 43

WNEWTITLE

Clears the contents of the active window and removes its title

OS/2 specifics: all

Syntax

WNEWTITLE

Details When you save the contents of a SAS window to a file, SAS assigns the filename as the title of the window. You can use the WNEWTITLE command to clear the active window and remove that title (reverting to "Untitled").

If used in the LOG or OUTPUT window, this command clears the contents of the window and changes the name to "Untitled." If used in the PROGRAM EDITOR window, SAS prompts you to save the contents of the window before clearing it and removing the title.

WPASTE

Pastes the contents of the OS/2 clipboard into the active window

OS/2 specifics: all

Syntax

WPASTE

Details WPASTE is intended to be used with the toolbar commands. When you enter the WPASTE command, the active window's menu is searched for a PASTE item. If there is a PASTE item and the clipboard contains text, WPASTE will execute as if you selected PASTE from the pull-down menu. If the clipboard contains graphics, SAS issues the GPASTE command. If there is no PASTE item, WPASTE will execute the PASTE command.

See Also

- PASTE command in SAS online Help
- GPASTE command in *SAS/GRAPH Software: Reference*

WPOPUP

Causes the pop-up menus for a window to appear

OS/2 specifics: all

Syntax

WPOPUP

Details You can access the pop-up menu for a window by clicking the right mouse button inside the window client area. By default under OS/2, this command is associated with the right mouse button.

See Also

- Command: “WMENUPOP” on page 226

WSCREENTIPS

Toggles the ScreenTips on and off

OS/2 specifics: all

Syntax

WSCREENTIPS <ON | OFF>

no argument

toggles the ScreenTips on and off.

ON

displays helpful cues for the status line and tabs within the main SAS window.

OFF

turns off the ScreenTips.

Details

ScreenTips are the helpful cues that appear over the status line and tabs in the main SAS window as you position the mouse pointer over them.

The WSCREENTIPS command specifies whether the ScreenTips text is displayed when you move the cursor over the status line or tabs in the main SAS window. You can also toggle this setting in the Preferences dialog box **view** page.

Note: Do not confuse ScreenTips with ToolTips. ToolTips display helpful cues for tools. Δ

See Also

- \square Command: “TOOLTIPS” on page 218
- \square “Setting Session Preferences” on page 43

WSTATUSLN

Toggles the status line on and off, and specifies the area proportions

OS/2 specifics: all

Syntax

WSTATUSLN <ON | OFF> <ALL | MSG<=*percent-msg*> | CDIR<=*percent-cdir*>>

no arguments

toggles the status line on and off.

The first group of arguments is optional, but if you specify it, you must include it before the second group of options:

ON

displays the status line in its most recent active state. If the status line includes a message area, the message lines in the SAS application windows are disabled. ON is the default setting.

OFF

turns off the status line. This enables the message lines in the SAS application windows.

The second group of arguments is also optional. Note that specifying these options without specifying the ON option first does not automatically turn the status line on if it is currently off.

MSG<=*percent-msg*>

includes the message area as part of the status line. If you specify this option without the CDIR option, the message area occupies the entire status line. If you specify a percentage with this option and with the CDIR option, the message area occupies the proportion of the line that you specify.

CDIR<=*percent-cdir*>

includes the current folder as part of the status line. If you specify this option without the MSG option, the current folder area occupies the entire status line. If you specify a percentage with this option and with the MSG option, the current folder area occupies the proportion of the line that you specify.

ALL

includes both the message area and the current folder areas on the status line. If you do not specify the MSG and CDIR options with percentage values, the status line proportions revert to the most recent settings. ALL is the default setting.

Details The WSTATUSLN command specifies whether the status line of the active window is on or off and specifies the proportions of the status line that the message area and the current folder area occupy. You can also toggle the status line in the Preferences dialog box **view** page.

Example

To display a status line that is evenly divided between the message display and the current folder display, issue the following command:

```
wstatusln on msg=50 cdir=50
```

See Also

- Command: “TOOLTIPS” on page 218
- “Setting Session Preferences” on page 43

WUNDO

Undoes the last CUT, COPY, or PASTE toolbar action

OS/2 specifics: all

Syntax

WUNDO

Details

When you enter the WUNDO command, the active window’s menu is searched for an undo item. If there is an undo item, WUNDO will execute as if you selected **UNDO** from the pull-down menu. If there is no undo item, WUNDO will execute the UNDO command. Some windows may not have an undo command.

WWSBAR

Toggles the vertical scroll bars on and off

OS/2 specifics: all

Syntax

WVSBAR <ON | OFF>

no argument

toggles the vertical scroll bars on and off.

ON

displays the vertical scroll bars.

OFF

hides the vertical scroll bars.

Details You can also toggle this setting in the Preferences dialog box **view** page.

See Also

- “Setting Session Preferences” on page 43
- Command: “DLGPREF” on page 205

X

Enters host-system mode or allows you to submit a DCL command without ending your SAS session

OS/2 specifics: valid values for *command*; syntax

Syntax

X <'*command*'>;

command

specifies the command that you want to execute.

Details

This form of the X command issues one command. The command is passed to the operating environment and executed. If errors occur, the appropriate error messages are displayed.

See Also

- X command in SAS online Help
- “Issuing OS/2 Commands from within SAS” on page 20
- System option: “XCMD” on page 385
- “XSYNC” on page 386
- “XWAIT” on page 387

ZOOM

Maximizes the active window

OS/2 specifics: all

Syntax

ZOOM <ON | OFF>

ON

maximizes the active window.

OFF

returns the active window to the default size.

Details The ZOOM command maximizes the active window.

See Also

- ZOOM command in SAS online Help

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