Overview

The OPTIONS procedure lists the current settings of SAS system options. The results are displayed in the SAS log.

SAS system options control how the SAS System formats output, handles files, processes data sets, interacts with the operating environment, and does other tasks that are not specific to a single SAS program or data set. You can change the settings of SAS system options

- in the SAS command
- in a configuration or autoexec file
- in the SAS OPTIONS statement
- through the SAS System Options window
- by using SCL functions
- in a STARTSAS window or a STARTSAS statement
- in other ways, depending on your operating environment. See the companion for your operating environment for details.

For information about SAS system options, see the section on SAS system options in SAS Language Reference: Dictionary.

The log that results from running PROC OPTIONS shows both the portable and host systems options, their settings, and short descriptions. Output 25.1 on page 685 shows a partial log that displays the settings of portable options through those that begin with the letter “C.”

```
proc options;
run;
```
Output 25.1 Log showing a Partial Listing of SAS System Options

```
1 proc options;
2 run;
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Portable Options:

NOBATCH Do not use the batch set of default values for SAS system options
BINDING=DEFAULT Controls the binding edge for duplexed output
BOTTOMMARGIN= Bottom margin for printed output
BUFNO=1 Number of buffers for each SAS data set
BUFFSIZE=0 Size of buffer for page of SAS data set
BYERR Set the error flag if a null data set is input to the SORT procedure
BYLINE Print the by-line at the beginning of each by-group
NOCAPS Do not translate source input to uppercase
NOCARDIMAGE Do not process SAS source and data lines as 80-byte records
CATCACHE=0 Number of SAS catalogs to keep in cache memory
CBUFNO=0 Number of buffers to use for each SAS catalog
CENTER Center SAS procedure output
NOCHARCODE Do not use character combinations as substitute for special characters not on the keyboard
CLEANUP Attempt recovery from out-of-resources condition
NOCMDMAC Do not support command-style macros
NOCOLLATE Do not collate multiple copies of printed output
COLORPRINTING Print in color if printer supports color
COMPRESS=NO Specifies whether to compress observations in output SAS data sets
CONNECTREMOTE= Remote session ID used by SAS/CONNECT software
CONNECTSTATUS Show the current status of a SAS/CONNECT upload or download transfer
CONNECTWAIT Wait for a SAS/CONNECT rsubmit to finish before allowing further processing to occur
CONSOLELOG= Location of console log
COPIES=1 Number of copies to make when printing
CPUID Print CPU information at beginning of log
```

Output 25.2 on page 686 shows a log that PROC OPTIONS produces for a single SAS system option.

```
options pagesize=60;
proc options option=pagesize;
run;
```

Output 25.2 The Setting of a Single SAS System Option

```
1 options pagesize=60;
2 proc options option=pagesize;
3 run;
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PAGESIZE=60 Number of lines printed per page of output
NOTE: PROCEDURE OPTIONS used:
```
Procedure Syntax

PROC OPTIONS <option(s)>;

PROC OPTIONS Statement

PROC OPTIONS <option(s)>;

<table>
<thead>
<tr>
<th>To do this</th>
<th>Use this option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose the format of the listing</td>
<td></td>
</tr>
<tr>
<td>Specify the long form</td>
<td>LONG</td>
</tr>
<tr>
<td>Specify the short form</td>
<td>SHORT</td>
</tr>
<tr>
<td>Display the option's description and type</td>
<td>DEFINE</td>
</tr>
<tr>
<td>Display the option's value and scope</td>
<td>VALUE</td>
</tr>
<tr>
<td>Restrict the number of options displayed</td>
<td>GROUP=</td>
</tr>
<tr>
<td>Display options belonging to a group</td>
<td>HOST</td>
</tr>
<tr>
<td>Display host options only</td>
<td>NOHOST</td>
</tr>
<tr>
<td>Display portable options only</td>
<td>OPTION=</td>
</tr>
</tbody>
</table>

Options

DEFINE displays the short description of the option, as well as its type, and how to set and display its value.

Interaction: This option has no effect when SHORT is specified.

GROUP=group-name displays the options in the group specified by group-name. For more information on options groups, see SAS Language Reference: Dictionary.

HOST | NOHOST displays only host options (HOST) or displays only portable options (NOHOST).

Alias: PORTABLE is an alias for NOHOST.

LONG | SHORT specifies the format for displaying the settings of the SAS system options. LONG lists each option on a separate line with a description; SHORT produces a compressed listing without the descriptions.

Default: LONG

Featured in: Example 1 on page 688

NOHOST See HOST | NOHOST.
**OPTION=**option-name

displays a short description and the value (if any) of the option specified by
option-name. DEFINE and VALUE provide additional information about the option.

**option-name**
specifies the option to use as input to the procedure.

**Requirement:** If a SAS system option uses an equals sign, such as PAGESIZE=, do not include the equals sign when specifying the option to OPTION=.

**Featured in:** Example 2 on page 689

**SHORT**
See LONG | SHORT.

**VALUE**
displays the option value and scope, as well as how the value was set.

**Interaction:** This option has no effect when SHORT is specified.

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### Results

#### SAS Log

SAS writes the options list to the SAS log. SAS system options of the form option | NOoption are listed as either option or NOoption, depending on the current setting, but they are always sorted by the positive form. For example, NOCAPS would be listed under the Cs.

**Operating Environment Information:** PROC OPTIONS produces additional information that is specific to the environment under which you are running the SAS System. Refer to the SAS documentation for your operating environment for more information about this and for descriptions of host-specific options. △

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### Examples

#### Example 1: Producing the Short Form of the Options Listing

**Procedure features:**

PROC OPTIONS statement option:

SHORT

This example shows how to generate the short form of the listing of SAS system option settings. Compare this short form with the long form shown in “Overview” on page 685.
**Program**

SHORT lists the SAS system options and their settings without any descriptions.

```sas
proc options short;
run;
```

**Log (partial)**

1. proc options short;
2. run;
   SAS (r) Proprietary Software Release 7.XX.XXXXXXXXXX
   Portable Options:
   NOBATCH BOTTOMMARGIN= BUFNO=1 BUFSIZE=0 BYERR BYLINE NOCAPS NOCARDIMAGE
   CATCACHE=0 CBUFNO=0 CENTER NOCHARCODE CLEANUP NOCOMMAC NOCOLLATE
   COLORPRINTING COMPRESS=NO CONNECTREMOTE= CONNECTSTATUS CONNECTWAIT
   CONSOLELOG= COPIES=1 CPUID DATASTMTCHK=COREKEYWORDS DATE NODetails DEVICE=
   DFLANG=ENGLISH DRRCOND=ERROR DRROCOND=WARN DLLMGACTION=REPAIR NODMR NODMS

---

**Example 2: Displaying the Setting of a Single Option**

**Procedure features:**
  PROC OPTIONS statement option:
  
  ```sas
  OPTION=
  DEFINE
  VALUE
  ```

This example shows how to display the setting of a single SAS system option. The log shows the current setting of the SAS system option PAGESIZE=. The DEFINE and VALUE options display additional information.

**Program**

```sas
PAGESIZE=60 sets the pagesize to 60.
  options pagesize=60;

OPTION=PAGESIZE displays the setting of PAGESIZE in the log. DEFINE and VALUE display additional information.
  proc options option=pagesize define value;
  run;
```
Log

1  options pagesize=60;
2  proc options option=pagesize DEFINE VALUE;
3  run;
SAS (r) Proprietary Software Release 7.XX.XXXXXXXXXX

Option Value Information For SAS Option PAGESIZE
  Option Value: 60
  Option Scope: Line Mode Process
  How option value set: Options Statement

Option Definition Information for SAS Option PAGESIZE
  Description: Number of lines printed per page of output
  Type: The option value is of type Long
  Range of Values: The minimum is 15 and the maximum is 32767
  Valid Syntax(any casing): MIN|MAX|n|nK|nM|nG|hex
  When Can Set: Startup or anytime during the SAS Session

NOTE: PROCEDURE OPTIONS used:

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