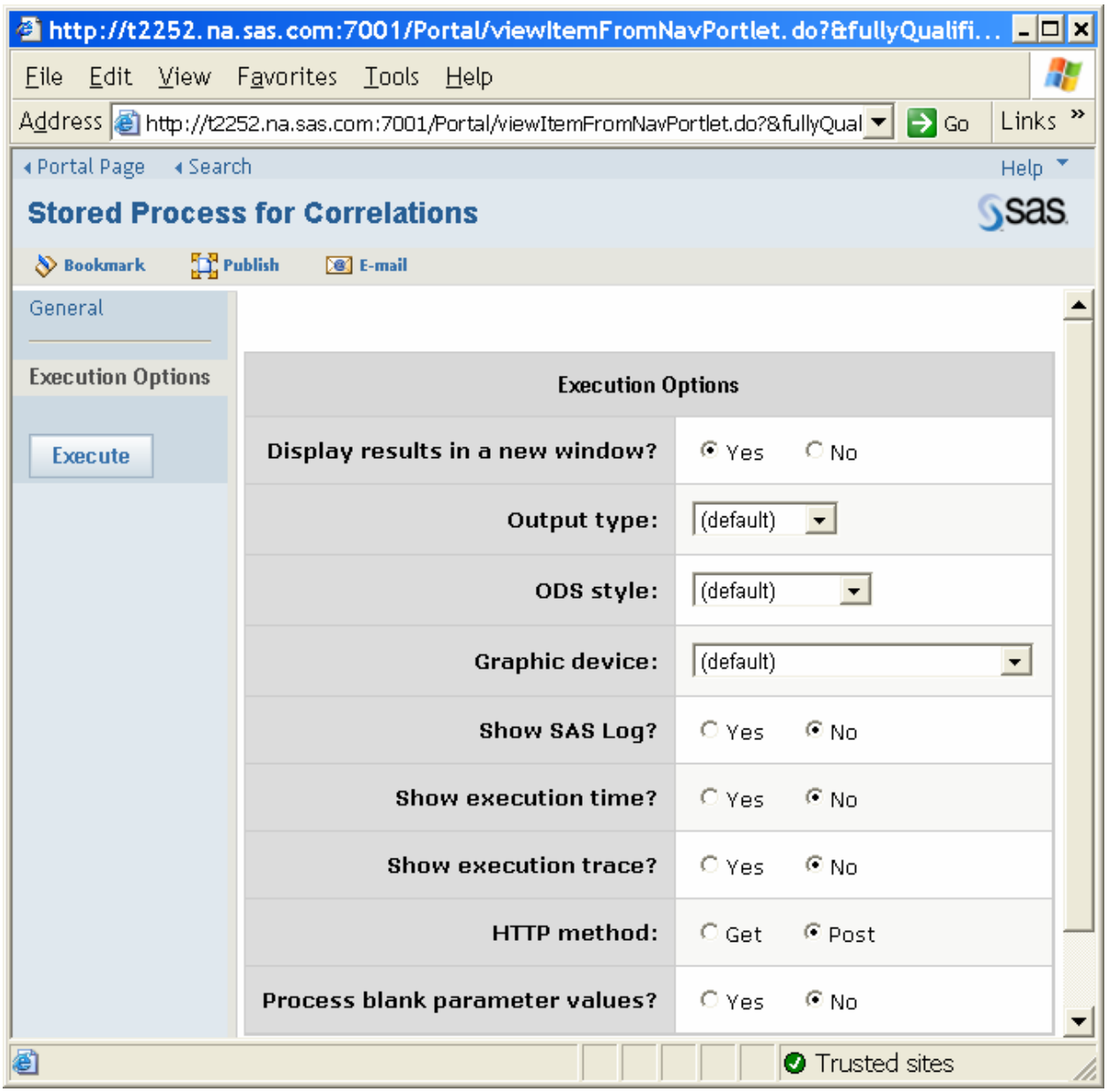
Suppressing Execution Options for the SAS Stored Process Web Application Property Page

Documentation reference:
http://support.sas.com/rnd/itech/doc9/dev_guide/stprocess/stpwebapp.html#prop-page

Background

Some customers who use the WIK Stored Process Web Application (stand-alone or through the Portal) might want to limit the Execution Options that are presented on the default Properties Page that is displayed by the application:



Strategies for Suppressing Display of Execution Options on the Property Page

The most complete strategy for controlling the display of Execution Options is to create a default input form Java Server Page (JSP) for the Stored Process parameters. See the reference documentation at:
http://support.sas.com/rnd/itech/doc9/dev_guide/stprocess/stpwebapp.html#defaultform

A sample JSP can be found at:
http://ftp.sas.com/techsup/download/web/redirect.jsp

Rather than using a default input form, some customers might want to take advantage of the automatically generated Properties Page and limit the Execution Options presented to the user. The Properties Page is generated from the metadata parameters for the stored process.

For SAS 9.1.3, the following options on the Execution Options menu can be controlled. These are all reserved macro variables that control execution of the Stored Process.

Execution Option	**Macro**	**Description** (for details see the Reserved Macro Variables link below)
Graphic device	_gopt_device	goptions graphics output device
Show SAS Log?		
Show execution time?	_debug	Debug flag (see Debug Flags documentation link below)
Show execution trace?		
Output type	_odsdest	ODS output type
ODS Style	_odsstyle	ODS style value (such as 'seaside')

For SAS 9.1.3, the following options on the Execution Options menu cannot be suppressed.

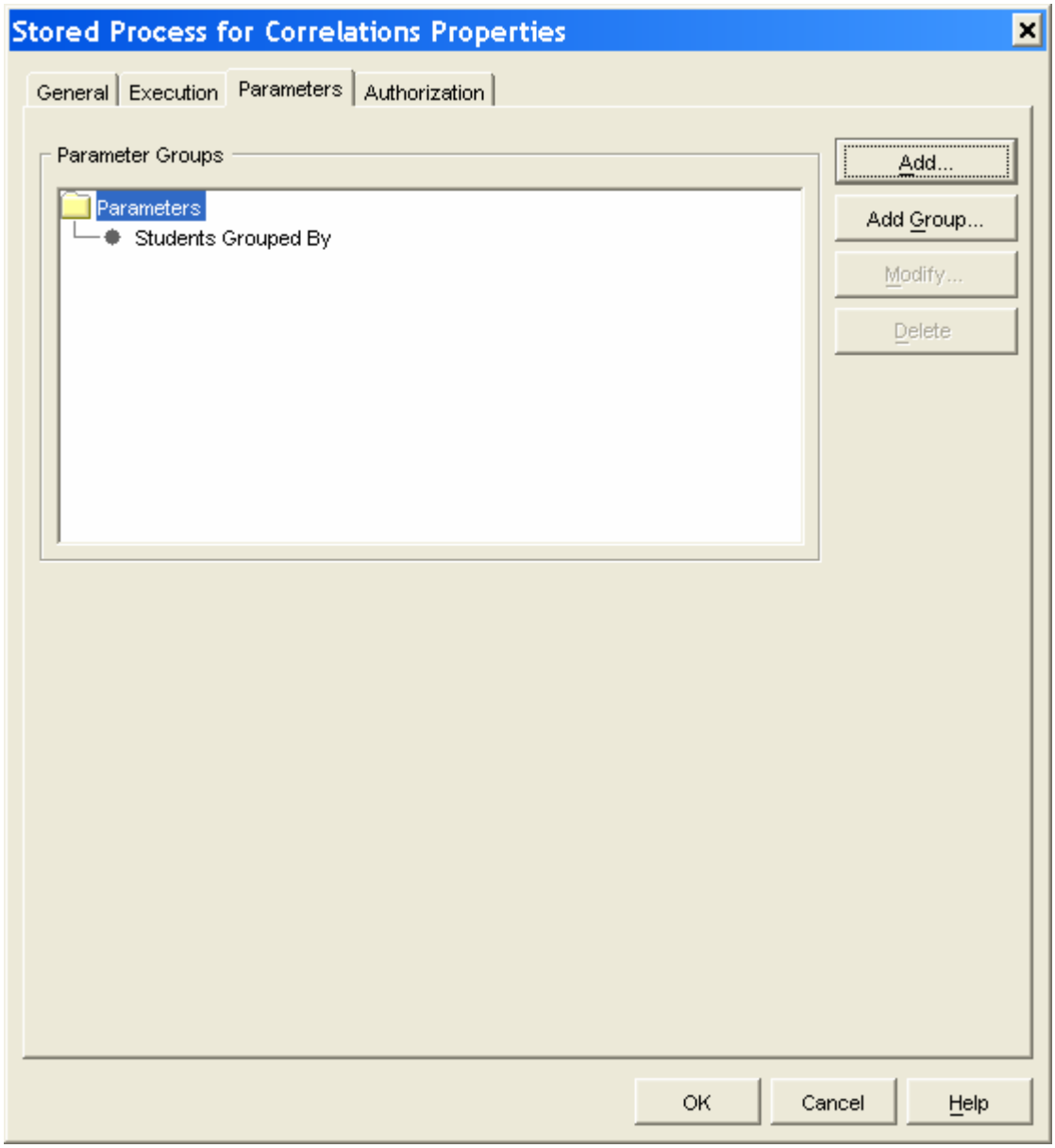
Display results in a new window?	Yes or No
HTTP method	Get or Post
Process blank parameter values?	Yes or No

For more information, see SAS Note SN-018355:
http://support.sas.com/techsup/unotes/SN/018/018355.html

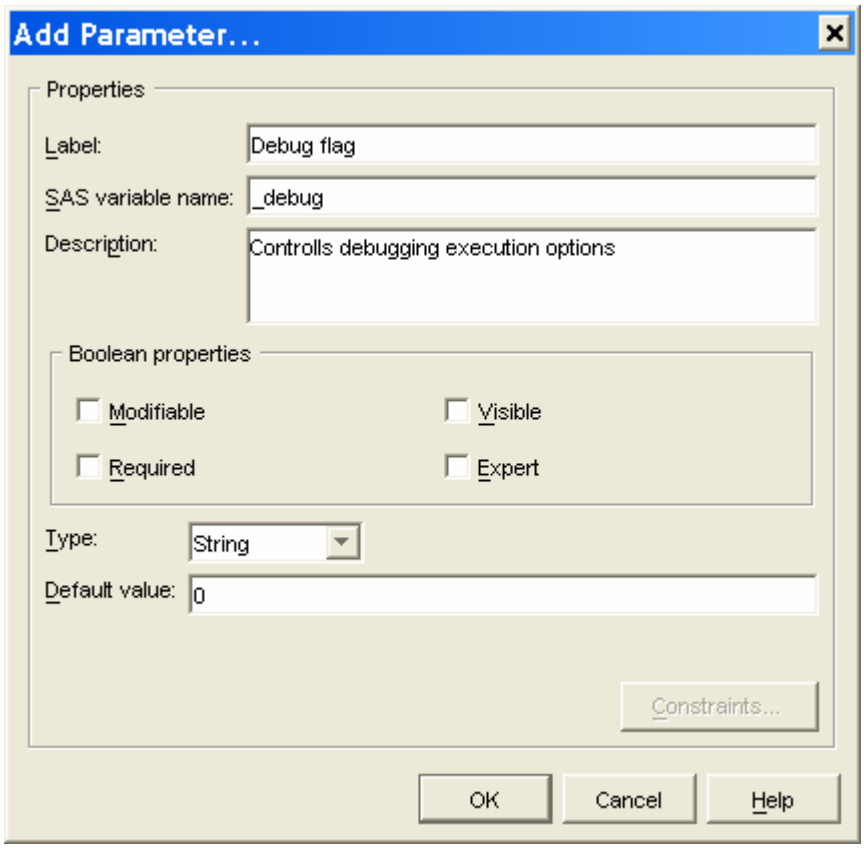
For more information on Debug flags, see:
http://support.sas.com/rnd/itech/doc9/dev_guide/stprocess/dbgsrvlt.html#setdebug

For complete notes about reserved macro variables, see:
http://support.sas.com/rnd/itech/doc9/dev_guide/stprocess/reserved.html

To suppress a prompt for a controllable Execution Option, use the SAS Management Console Stored Process Manager to add a parameter to the Stored Process metadata for the macro variable that controls the Execution Option.



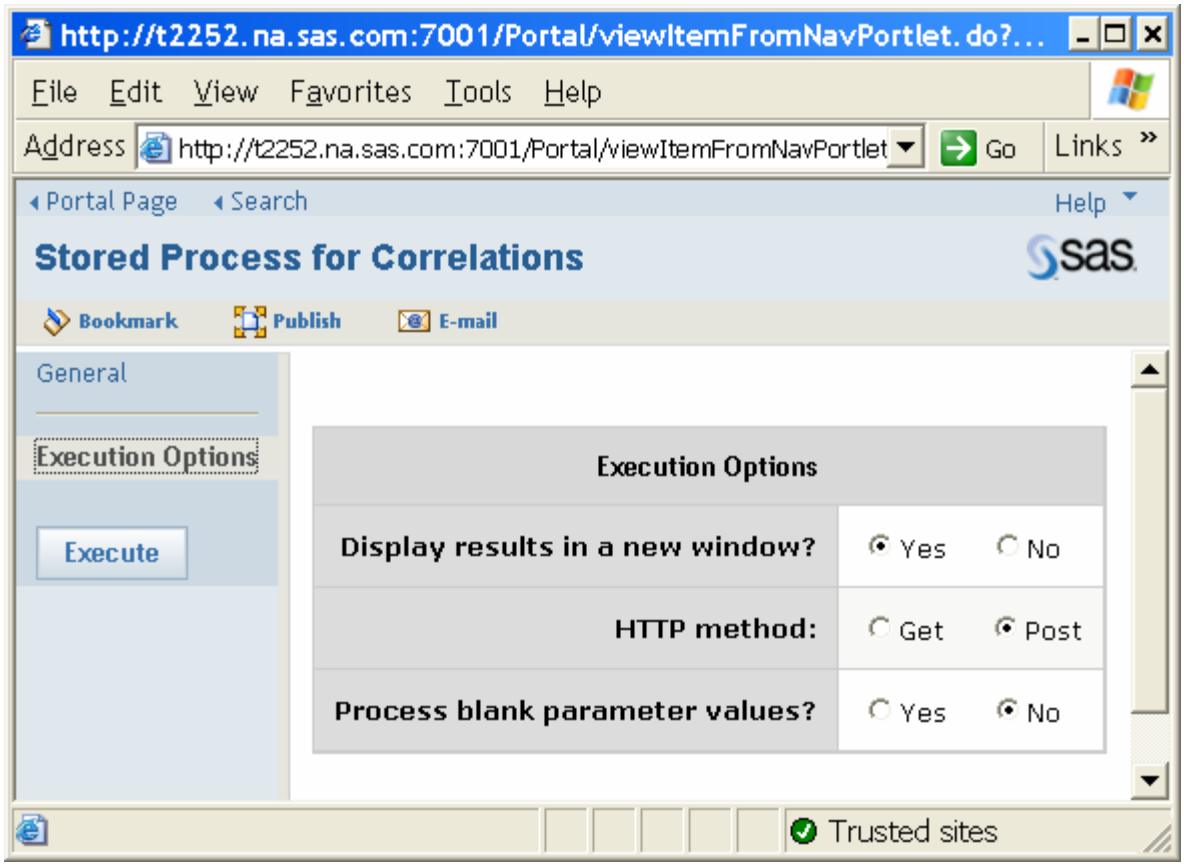
Specify the desired default value for the parameter, and uncheck the Modifiable and the Visible check boxes. Here is an example for the _DEBUG parameter.



The following common parameter values can be used to suppress display of an Execution Option.

Reserved Macro Variable	Example value
_gopt_device	**actximg** (for active X enabled IE6)
_debug	**0** (blocks all 3 “Show … “ prompts)
_odsdest	**HTML** (html format)
_odsstyle	**seaside** (a commonly used ODS style)

If these four parameters with the values shown in the preceding example are added to the Stored Process metadata, the Execution Options menu will display the minimal set of options shown here.



Additional control for the display of these Execution Options is not possible for the SAS Stored Process Web Application in SAS 9.1.3. User selection for these options poses no execution anomalies for the stored process.

DebugMask Initialization Parameter

Another way to limit the user's interaction with some of the Execution Options on the Property Page is to use the SAS Stored Process Web Application DebugMask initialization parameter. This parameter controls the choices available to ALL users for the _DEBUG reserved macro variable. For more information, see the documentation at:
http://support.sas.com/rnd/itech/doc9/dev_guide/stprocess/webappcfg.html

The DebugMask initialization parameter is specified in the web.xml file and applies to all users of the application. The Administrator can edit this file in its deployed location on the Web server. However, the better practice is to edit this file in the product staging area.

<sas-install-location>\SAS\Web\Portal2.0.1\SASStoredProcess\WEB-INF

Run the configure_wik utility script (.sh or .bat, as appropriate), and then re-deploy the SASStoredProcess.war file to the Web server.

If the Administrator does not want all users to be able to specify ANY values for the _DEBUG macro variable, the value 0 is specified for the DebugMask parameter, as shown in the following example.

```
<servlet>
   <servlet-name>
     storedprocessservlet
   </servlet-name>
   <servlet-class>
     com.sas.services.storedprocess.webapp.StoredProcessServlet
   </servlet-class>
     …
   <init-param>
       <param-name>DebugMask</param-name>
       <param-value>0</param-value>
     </init-param>
</servlet>
```

The result for the Execution Options menu on each Stored Process Property Page is that users can toggle the values of the following prompts.

Show SAS log?
Show execution time?
Show execution trace?

However, if the user chooses the Yes radio button for these items, execution of the Stored Process will be blocked and the following message appears.

Parameter Error
The _debug value specified (trace) contains flags restricted by the administrator.