➢ *Parameters in the report*

This type of parameters could be overidden (as seen before) by a direct call.
If they don't exist in the report, the default value in ReportEngine is used.

The following parameters are in the file database.access (present in the report itself) :
-WSserverName, -WSdataBaseName, -WSdataBaseLogin,
-WSdataBasePasswd
The following parameters are in the file form.page (present in the report itself) :
-WSuse AlternateColorLineBox, -WScolorLineBox, -WSalternateColorLineBox

➢ *Parameters by default in ReportEngine*

ReportEngine.app contains a file named WSReport.strings that is used at last if no value is given for a key parameter.
Of course, at least one parameter is necessary, the report name (-WSReportTemplate).

Parameter name	**Always at calling**	**Order of check**	**Default** (in WSReport.strings)	**Version support**
-WSreportTemplate	✔	Param	None	RE 0.9
-WSrunPrintPanel		Param / default	YES	RE 0.9
-WSreverseOrderPrinting		Param / default	YES	RE 0.9
-WSpreviewPrinting		Param / default	NO	RE 1.0 / RS
-WSsavePostScript		Param / default	NO	RE 1.0 / RS
-WSpostScriptFilename		Param / default	/tmp/ReportBuilderOutput	RE 1.0 / RS
-WSprintCopies		Param / default	1	RE 0.9
-WSlistOfIDs		Param	None	RE 0.9
-WSprintDateTime		Param	01/01/1990 00:00:00	RS
-WSprinterName		Param / default / report	Local_Printer	RE 1.0 / RS
-WSfaxPrinting		Param	NO	RE 1.0 / RS
-WSfaxRunPanel		Param / default	NO	RE 1.0 / RS
-WSfaxSendDateTime		Param / default	01/01/1990 00:00:00	RS
-WSfaxName		Param / default / report	Local_Fax_Modem	RE 1.0 / RS
-WSfaxReceiversList		Param	""	RE 1.0 / RS
-WSfaxReceiversNumberList		Param	""	RE 1.0 / RS
-WSfaxReceiversWantsCover		Param / report / default	NO	RE 1.0 / RS
-WSfaxReceiversWantsNotify		Param / report / default	YES	RE 1.0 / RS
-WSfaxReceiversWantsHires		Param / report / default	NO	RE 1.0 / RS
-WSrequest		Param / report	None	RE 1.0 / RS
-WSDBKitAdaptor		Param / report / default	SybaseAdaptor	RE 1.0 / RS
-WSserverName		Param / report / default	SYBASE	RE 0.9
-WSdataBaseName		Param / report / default	pubs	RE 0.9
-WSdataBaseLogin		Param / report / default	guess	RE 0.9
-WSdataBasePasswd		Param / report / default	""	RE 0.9
-WSwhereClause		Param / report	""	RE 0.9
-WSorderClause		Param / report	""	RE 0.9
-WSgroupByClause		Param / report	""	RE 0.9
-WSuseAlternateColorLineBox		Param / report / default	NO	RE 1.0
-WScolorLineBox		Param / report / default	0.800000:0.800000:0.800000	RE 1.0
-WSalternateColorLineBox		Param / report / default	0.000000:0.000000:0.000000	RE 1.0

RE stands for ReportEngine
RS stands for ReportServer

-WSlistOfIDs:

This parameter, if present,all the debug override the use of the -WSwhereClause. It must contains a list of IDs, separated by commas (like in a set for a 'in', in a where clause). So, the where clause is internally rebuilt with the following formulae:

parameter(-WSwhereClause) + ' in (' + parameter(-WSlistOfIDs) + ')'

The following parameters :

-WSserverName, -WSdataBaseName, -WSdataBaseLogin,
-WSdataBasePasswd

are detailled in the section "Parameters in the report."

Note that all the boolean values are coded by strings 'YES' and 'NO'.

Some parameters will be supported only in version 1.0 of ReportEngine or in ReportServer (see table on page 4).

For the debugging part of your reports, two defaults are defined in ReportEngine. The first one is an int that fixes the level of detail in the debug output in the console. Its name is "Debug". Its standard value is 0.

To modify it, just type the following command in a shell :

```
dwrite ReportEngine Debug 1
```

Another default allows you to control the behavior according to the level of debug selected. If present and containing 'YES', the default 'DebugLevelOnly' if used to display debug ouput only for the level selected by the 'Debug' default.

Ifthis default is not exists or contains 'NO', all the debug output with a level greater or equal to value in 'Debug' are displayed.

To modify it, and activate the first behavior, you must type :

```
dwrite ReportEngine DebugLevelOnly YES
```

For disabling this behavior, you could type :

```
dremove ReportEngine DebugLevelOnly
```

Or putting 'NO' in the default value.

For more information about the -WSwhereClause, -WSorderClause and

Parametring ReportEngine

ReportEngine could be parametered in three ways, depending of course on the parameter.

➢ *Parameters when calling ReportEngine*

The parameters given at the call have the format :

[-WS*parameterName parameterValue*]$_n$

The only parameter necessary is the report name (-WSreportTemplate). All the parameters could be used by default in the report itself or in the ReportEngine defaults.

The priority order of parameters research (first param, then report, then default for exemple) depends on the parameter. See table below for more details.

Parameter names are meaningful, but here is some things to note.

First of all, the value must be a single string. So if you want strings with space in it, remember to use quotes.

-WSreportTemplate:

This parameter could be a simple name (assumed the report template is in the ReportTemplate directory of ReportEngine.app), or if starting with a '/' an absolute path.

-WSrunPrintPanel:

Display standard NEXTSTEP print panel at the start of the report. All the user selection applies to the report. Faxing is possible.

-WSprintCopies:

This parameter indicates the number of copies of all the report, each copy generating a full sorted report, one after another.

-WSreverseOrderPrinting:

This parameter is for printers that automatically do the ordering of sheets at the printer output.

Introduction

ReportEngine is the run-time application used for printing reports created with *ReportBuilder*.

ReportEngine can be launched by any application via a system call (command line). Parameters passed to ReportEngine allows a lot of modifications on report behaviour. You can modify database server, database login and password, you can specify which data will be printed, if a Print Panel must be displayed, if the report must be printed in reverse or normal order…

An.rpt file is a folder containing an eps file for the background (see ReportBuilder user guide) and a number of text files describing the structure and the behavior of the report.

Using ReportEngine is very simple. So, before covering in detail all the possible parametring, just look at the following example that shows a sample call:

```
ReportEngine -WSreportTemplate Invoice \
  -WSrunPrintPanel YES \
  -WSreverseOrderPrinting YES \
  -WSprintCopies 1 \
  -WSIDdataType int \
  -WSserverName SYBASE \
  -WSdataBaseName jfr \
  -WSdataBaseLogin guest \
  -WSdataBasePasswd “” \
  -WSwhereClause “num_invoice=’1993-11 - 001488’” \
  -WSorderClause “lower(reference)”
```