

Natural Advanced Facilities

The following new features, changes and enhancements are provided with Version 4.1.2 of Natural Advanced Facilities:

- Spool File
 - New Functions
 - CICS-Specific Enhancements
 - IMS/TM-Specific Enhancements
 - Spool File Options
 - Server Options
 - Report Display
 - Printer Definitions
 - CALLNAT Interfaces
-

Spool File

With Version 4.1, a new spool file layout is provided for improved data storage.

A conversion program for existing Version 2.3 spool files is also provided.

New Functions

The following new functions are available:

- The application SYSPPOOL supports switching to other Version 4.1 spool files (dynamic change of FSPPOOL assignment).
- It is possible to unload and load spool file objects and report data from/to work files (Work File Numbers 3 and 4) online.
- It is possible to copy objects from one spool file to another.
- It is possible to delete from the spool file only reports which are created before a specific date or which are older than a specific number of days.
- It is possible to switch the date/time format to storeclock (as stored on the spool file) or to the Natural time using the values currently active for the Natural profile parameters DD, TD and YD.
- There is a new program SPPPRINT to print reports in batch mode. This program supports more selection criteria such as user ID, date, etc.

CICS-Specific Enhancements

In addition to the online definitions (CICS Options), it is possible to use the parameter module NAFPARM. Parameter settings of the NAFPARM module will then override parameter definitions on the spool file. If no parameter module is used, the online definitions on the spool file apply. The same will be true for parameters not set in the parameter module.

IMS/TM-Specific Enhancements

In addition to the online definitions (IMS/TM Options), it is possible to use the parameter module NAFPARM. Parameter settings of the NAFPARM module will then override parameter definitions on the spool file. If no parameter module is used, the online definitions on the spool file will apply; the same will be true for parameters not set in the parameter module.

It is possible to use a spool server (IMS BMP) with the option WAIT FOR INPUT for different spool files, as the corresponding FSPPOOL value is passed dynamically.

Spool File Options

It is possible to pre-define the sequence in which reports are displayed:

- ascending by job number;
- ascending by: a) destination/form, b) status, c) priority, d) date of creation;
- ascending by: a) user ID, b) destination/form, c) status, d) priority, e) data of creation;
- automatically depending on the specified search criteria.

Server Options

It is possible to automatically start reports whose status is WAIT (see also Report Display below).

Report Display

- A new line command DY allows you to delete reports depending on the date or the number of days.
- A new line command SC allows you to search for texts within a report.
- The display of report details has been enhanced.
- Two new report status values are provided:
 - WAIT = Report could not be started, because the printer was active for another destination/form;
 - WOER = Error during processing of report data.
- Asterisk notation is provided for the report selection criteria.

Printer Definitions

Control of the first/last page advance has been enhanced, allowing you to prevent a page advance being replaced by a line advance.

With earlier versions, the user exit USPSE01 in the spool server applied to all printers. With Version 4.1, you are able to use a different user exit for each printer.

CALLNAT Interfaces

The existing interface subprograms have been expanded to cover the new functions (deletion by date/days, unloading/loading of spool file objects/report data).