Entire Output Management Version 3.2.1 Release Notes

These Release Notes inform you of the enhancements and new features provided with Version 3.2.1 of Entire Output Management; they cover the following topics:

- Prerequisites for Mainframes

- Prerequisites for UNIX

- Migrating from Previous Versions

- Solved Problems

- Enhancements and New Features

Unless otherwise indicated, the information in these Release Notes applies to Version 3.2.1 on both mainframe and UNIX platforms.

Prerequisites for Mainframes

Before you can install Entire Output Management on a mainframe computer, the following Software AG products must have been installed at your site:

- Adabas Version 8 or above;

- Natural Version 4.2 or above; the Natural installation must include the Software AG Editor component;

- Entire System Server Version 3.3 or above; the use of the operator command STATUS NOM requires Version 3.4.1 or above, as well as zap XC71022 for z/OS or the corresponding zap for z/VSE or BS2000/OSD;

- System Automation Tools Version 3.2, with service pack 2, or above;

- Natural Security (optional; required for UTM users under BS2000/OSD);

- Entire Network (optional, for multi-CPU support);

- Con-nect Version 3.1 or above (optional).

Prerequisites for UNIX

Before you can install Entire Output Management on a UNIX system, the following Software AG products must have been installed at your site:

- Adabas Version 6.1 for UNIX or above;

- Natural Version 6.3.4 for UNIX or above; the Natural installation must include the Software AG Editor component;

- Entire System Server 2.1.2 for UNIX, patch level 15, or above;

- EntireX Version 7.3.4 (optional, for multi-CPU support).

Migrating from Previous Versions

Migration to Version 3.2.1 is only possible from Version 3.1.1, but not from earlier versions.

Before attempting to migrate, you have to restart the Entire System Server node and ensure that the Entire Output Management Monitor is inactive. Use the job examples in your job library file as templates.

For a detailed migration description, see the section *Migrating from Previous Versions* in the *Installation* documentation.

Solved Problems

All solved problems of Version 3.1.1 and its patch levels are included in this release.

Enhancements and New Features

The following enhancements and new features are available with this version:

- Error Messages

- Support of Binary Documents

- Handling

- Printing

- System

- Application Programming Interfaces

Error Messages

The Entire Output Management error messages are no longer delivered in a separate NOM*nnn*.ERRN file, but are now delivered as part of the NOM*nnn*.INPL file.

Support of Binary Documents

Processing of Binary Data

Entire Output Management now also allows you to process binary data. This means that any kind of file or printout can be kept in Entire Output Management, archived, printed, distributed, and put to a destination system. For further information, see the section *Processing of Binary Data* in the *Concepts and Facilities* documentation.

Redirect Windows Printout

It is now possible to redirect the output from a Windows printer driver to Entire Output Management. This is done via the new Open Print Option.

New User Exit NOMEX013

A new user exit, NOMEX013, is available in the library SYSNOMS. It is called immediately before a report is opened, and will supply attributes of the active report to be opened, spool attributes, and the source attributes. Some fields can be changed and returned to Entire Output Management.

Show Size of Binary Active Reports in KB

Usually, the size of active reports is displayed in numbers of lines on various Entire Output Management screens. In the case of binary reports, the size is displayed in KB.

Handling

Entire System Server Commands (on mainframes only)

The following operator commands of Entire System Server will be processed by Entire Output Management:

- SHUTDOWN NOM - This command closes the monitor.

- STATUS NOM - This command displays information about the Entire Output Management tasks on the console.

UNIXLP Physical Printers (on mainframes only)

When you add a physical printer of type UNIXLP, a logical printer with the name DEFAULT*x* (*x* = A to Z) is added automatically. DEFAULT printers contains default values for UNIXLP printer parameters. If the monitor detects an empty parameter value of a logical printer pointing to a physical UNIXLP printer, the corresponding value from the appropriate DEFAULT printer is taken. When you delete a physical UNIXLP printer, the corresponding logical DEFAULT printer is also deleted. DEFAULT printers can be modified like any other logical printer, but they cannot be renamed, deleted or copied.

Archive Administration

Archive Administration provides two new functions:

- **Rename Archive Data Set**

  This function is used to rename an archive data set. It updates all active reports contained in it so that they point to the new name. See *Renaming an Archive Data Set* in the *System Administration* documentation.

- **Modify Volser of Archive Data Set**

  This function is available on mainframes only; it is used to change the volser of an archive dataset in Entire Output Management's control records. It updates all active reports contained in it so that they point to the new volser. See *Modifying the Volser of an Archive Data Set* in the *System Administration* documentation.

Browsing a Report (on UNIX only)

Under UNIX, the browsing of a report is organized in blocks of 10,000 lines. When a report is browsed, the following new block commands are available:

- BL TOP and BL BOTTOM scrolls to the top or the bottom of the current block respectively.

- BL + and BL - scrolls to the next block or to the previous block respectively.

- BL *nnnnn* scrolls to block number *nnnnn*.

This feature requires that the Natural startup parameter EDTBPSIZE is set to a value of at least "1000".

Folder Maintenance

You can specify a default location for the display of active reports contained in a folder.

For this purpose the Folder Definition > General Attributes screen provides a new field Default Location.

Printing

New Keywords in Jobcards

In the jobcards you can specify as part of the printer attributes of a printout, you can specify the following new keywords:

- SERIAL - If a jobcard contains this keyword, it will be checked if the desired printer is already in use by another printer task and, if so, printout processing will be delayed until the printer completes.

- SKIP *nnnnnn* - If a jobcards contains this keyword, output will be suppressed for*nnnnnn* pages.

- WAIT-PRINTER - If a jobcard contains this keyword, it will be checked whether the physical printer name of the special printer attributes contains a pipe to the UNIX command "lp" or "lpr". If so, the printer addressed with the "-P" parameter will be checked with the "lpstat" command. If it is still printing, the printer task will wait until the printer has finished before it terminates.

For further details, see the section *Modifying Printer Printout Attributes* in the *User's Guide*.

User Profile - Printer-Dependent Access to Printouts

A new user type "P" - Printer-Associated User - can be specified in the user profile: Such a user has access to all printouts of all printers he/she has access to.

Display Active Report of Printout Queue Element

A new line command BR (browse) is available to display the contents of an active report related to an element of the printout queue.

Starting and Stopping a Physical Printer

The new direct command CLOSE allows you to stop one or more physical printers.

The direct command START has been enhanced: It now allows you to start one or more physical printers.

The Physical Printer Maintenance provides two new line commands, ST and CL, to start and stop a physical printer.

System

Run Number of Reports

The run number of reports has been increased from 7 to 11 digits.

Node Number of Entire System Server

The node number of Entire System Server has been increased from 3 to 5 digits.

Application Programming Interfaces

The following new application programming interfaces (APIs) are provided in the library SYSNOMS:

- DOCAR011 (English) and DOCA012 (German) - These APIs can be used to maintain active reports.

- DOCPO011 (English) and DOCPO012 (German) - These APIs can be used to maintain the printout lists.

As of this version, all Entire Output Management APIs can be invoked via the new utility SYSAPI. The library SYSAPI contains examples of the APIs and how to invoke them.