



SUPER NATURAL

Super Natural

Release Notes

Version 3.3.1 for Mainframes

Order Number: NSN331-008IBB

This document applies to Super Natural Version 3.3.1 and to all subsequent releases. Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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Release Notes

These Release Notes inform you of the enhancements provided with Super Natural Version 3.3.1.

Super Natural Version 3.3.1. contains the update tapes for Super Natural 3.2.2.

This documentation summarizes the changes and corrections which result in a difference in handling between Super Natural Version 3.2.2 and 3.3.1.

It covers the following topics:

- Prerequisites
- Maintenance
- Documentation
- Solved SAGSIS Problems
- Implemented Changes and Enhancements
- New Features

If you use or supply Super Natural in a language other than English or German, you must make source changes in certain language-dependent modules. Language-dependent modules can be for example, maps, subprograms or command processors.

You will find this information (for affiliates) on the Software AG SAGNET for downloading purposes.

Prerequisites

For Installation

The following software must be installed and running at your site before you install Super Natural Version 3.3.1:

- Adabas Version 6.2 or above
- Natural Version 3.1 or above

For Certain Transaction Modes

The following table lists the requirements which must be fulfilled in order to use certain Super Natural transaction modes:

Transaction Mode	Requirement
Destination PRINTER	Natural Advanced Facilities Version 2.3 or above or Com-plete Version 5.1 or above must be available at your installation.
Destination WORK FILE	Depends on your system environment.
Destination PC	Entire Connection Version 3.1 or above must be available at your installation.
Destination or Report Type Con-Nect	Con-Nect Version 3.2.3 must be available at your installation.

Maintenance

Software AG provides maintenance for the following versions of Super Natural:

- NSN 3.2.2
- NSN 3.2.1 until the end of 2000

Software AG no longer maintains the following version of Super Natural:

- NSN 3.1.5 or earlier

Software AG no longer supports transactions created with Super Natural 2.4.2 or earlier versions.

Software AG no longer supports Super Natural Extract Server

Documentation

The current Super Natural documentation consists of HTML, PDF files and the Sample Application for the Super Natural Tutorial.

The following documentation is available:

Documentation	Where can I find it?
Release Notes	printed manual in the distribution box on the Natural Documentation CD-ROM
Installation	printed manual in the distribution box on the Natural Documentation CD-ROM
User's Guide	on the Natural Documentation CD-ROM
Administration	on the Natural Documentation CD-ROM
Tutorial	on the Natural Documentation CD-ROM

Note:

You can find the most current Super Natural Documentation on Software AG's Sagnet even between the Super Natural Releases.

Solved SAGSIS Problems

The documentation has been modified to reflect new functionality and where necessary to reflect the solution of SAGSIS problems.

Problem Number	Short Description
186633	field downloaded if FUNC
186486	Access to common library
184257	ne ' ' replaced by ne 0
185100	Date in Prototype not in Y2k-Form
181920	Irregular Date/Time fommat in NSN
182712	USERF and user file disappear
186524	Redefine packed field
187268	User profile: Modes not correct
187714	Copy of library does not function
190040	Missing lines in ADD transaction
190186	NAT0283 after saving transaction
191764	ZD option toggles unexpected
191809	Hello Screen option not correct
192537	Summary with destination pc file
199363	create userfile->NAT1143 SRSTORED
188466	SYSSN2322 problem with file link
194569	error 274 after changing dest
197166	Wrong DBID of personal db

Notes concerning SAGSIS solutions

Problem No.	Description	Note
186633	Field downloaded if FUNC	The following functionality did change as it was found fault. Transactions with report level Detailed using control breaks will not longer use fields for output to Workfile, PCfile or Userfile, if they are qualified only by a system function. This can have impact on former created transactions if they are modified.
191674	ZD option toggles unexpected	To prevent confusion and incompatibility the Natural ZD option stays now as the Natural session defines it. There is on exception for this rule, if a transaction with report type tabular is executed it sets ZD=OFF and after execution the option is reset to the former value.
199363	create userfile->NAT1143 SRSTORED	Depending on the current date and the retention period of the user profile, it could happen that an invalid expiry date was calculated. To prevent this, the retention period is now recalculated as a number of days, where a year has 365 days and a month 30 days. This can cause small differences in the expiry date for userfiles.

Implemented Changes and Enhancements

Change Number	Short Description
5539	Need error message in error window
5095	Distinguish Primary / Secondary file
5547	Parameter Library Name and Type
6131	Transactions List
4204	Transaction List after INFO
5548	Delete old error logs / refer to user
9187	Find on MU can't give same result
9306	Logging system default for Data Maintenance

New Features

The following features are new with Super Natural version 3.3.1:

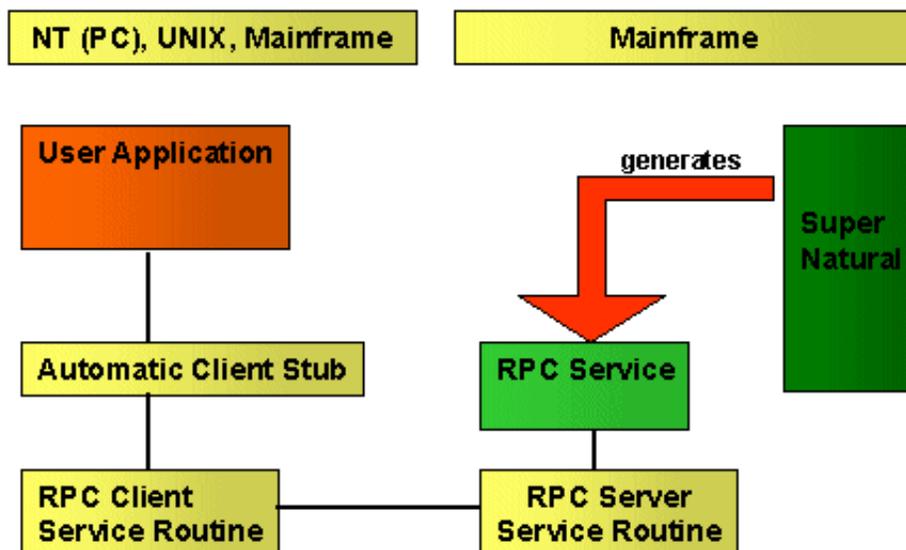
- Super Natural RPC Service
 - NOT Operator
 - Improved Error Reporting and Error Message in Online Prompt
 - Start Value and Library Name in Object Lists
 - Show Field Detail Information in Field List
 - Logging system default for data maintenance
-

Super Natural RPC Service

In combination with the Natural RPC Super Natural offers an ease feature to access mainframe data bases from everywhere in the network without the need of programming. New Super Natural transactions can be created and verified with the usual Super Natural technique and finally be generated and saved as an Super Natural RPC service object. Existing Super Natural transactions can be used to generate an Super Natural RPC service. So the implemented knowledge of a transaction is available all over the network. If a modification of the Super Natural RPC service is required, the related transaction is modified and the service object is just generated again, replacing the former version.

Nearly all kinds of transactions can be used for Super Natural RPC generation. Exceptions are data maintenance transactions and transactions with Con-nect or tabular report types. There are two modes for the generation, Direct and Context Mode. The Direct Mode uses non-conversational RPC. All report data are retrieved with one access. The report size is limited to the maximum of 30 kByte. The Context Mode requires access under conversational RPC and enables data retrieval buffer by buffer with repeated access. The report size is also limited, but depending on the data structure of the report, in a much wider range.

The Super Natural RPC Service is simply created by typing the command `GENERATE RPC` into the command line during working with a transaction. An option window allows selecting the Direct or Context Mode and the maximum number of result records. Depending on the user profile the service object is stored under a predefined library and name or the user may enter an own destination. After an Super Natural RPC service is stored, it is immediately available for access by a client application. Of course, the RPC connection must be active and the service must be registered at the client site.

**Note:**

The command `GENERATE` is now extended by a second keyword, differing between `GENERATE PROTOTYPE` and `GENERATE RPC`.

NOT Operator; Change and Enhancement No. 9187

The function `Selection` was improved by the `NOT` operator to reflect the changes in Natural 2.3. Some Super Natural transactions do not bring the same results as before under Natural 2.2 (see also NAT23 Release Notes for Mainframes). Super Natural transactions are concerned with the selection construct `(FIND view WITH) mu NE value`. This construct must be changed now to `(FIND view WITH) NOT mu EQ value`. Of course the `NOT` operator is also applicable in any other selection combination and increases the Super Natural `Selection` functionality in a useful way.

Improved Error Reporting and Error Message in Online Prompt; Change and Enhancement No. 5539 and 5548

The **Error Reporting** utility is improved to enable more comfortable maintenance. Error reports can be selected for several criteria, like Date/Time, Error Number, Program Name. Also more information about the system status at error time is stored now. As the data structure of the error reports had to be changed, a migration of the former error reports is possible.

The Super Natural system administrator can decide if a system error is prompted with Error Number and Error Message or just with Error Number (the default). This option is maintained with the **Error Reporting** utility.

Start Value and Library Name in Object Lists (TA, Application, Prototype); Change and Enhancement No. 4204, 5547 and 6131

The start value and page position in TA, Prototype, Application and Userfile List is hold now after working with an object. The working context is not lost. If a new object was created, the list is positioned to show the new object. After changing the library or the list type, the object list starts from top.

The library selection is more direct and intuitive. Returning to the private library is now possible by only entering the private library key. The library help comes up only if explicitly requested by the user.

Show Field Detail Information in Field List; Change and Enhancement No. 5095

More information about the data base fields is now available with the field list. The information in detail is the same as for the worksheet, e.g. file number, level, multiple or periodic field.

Logging system default for data maintenance; Change and Enhancement No. 9306

To enable default settings for data maintenance logging, a new user profile option is available. The defaults for data maintenance logging are, beside Yes and No, Force (always logging) and Prevent (no logging possible).