

New Features

The following features are new with Super Natural version 3.3.1:

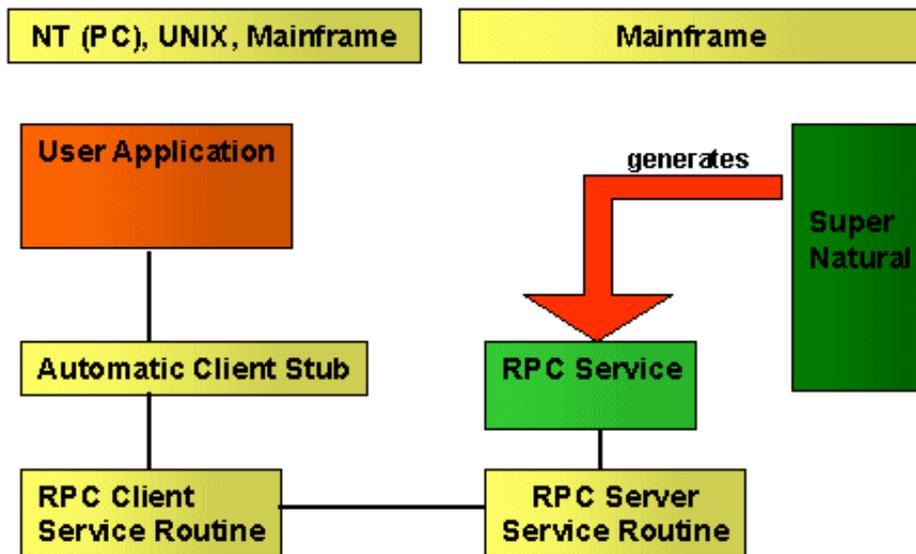
- Super Natural RPC Service
 - NOT Operator
 - Improved Error Reporting and Error Message in Online Prompt
 - Start Value and Library Name in Object Lists
 - Show Field Detail Information in Field List
 - Logging system default for data maintenance
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Super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

