

N2O Version 5.2.1 Release Notes March 2010

Treehouse Software is pleased to announce the release of N2O Version 5.2.1.

Note: This release of N2O is compatible with PREDICT 4, ADABAS 7/8, and NATURAL 3.x/4.x.

The Predict DDEs (optional) that are supplied for the N2O files require Predict 4.3 or above.

N2Ov4.01 and earlier are no longer supported. N2Ov5.0.1 will no longer be supported after September 30, 2010.

Enhancements

- The maximum Event Sequence number has been increased from 99,999 (N5) to 9,999,999 (N7)
- Recently used input fields will now be retained between N2O screens. The values for the fields Event, Base/From Environment, Base/From Library, Current/To Environment and Current/To Library are kept between menus. N2OUE31N can be used to set the default values carried on the screens.

Environment Subsystem

Two new migration methods have been added to the Migration Profile. Sites can define a migration profile to migrate source and object code, then delete only source code or only object code from the From environment/library.

Two new values are added to the migration profile, migration method field (only valid if BOTH is specified for TYPE):

MVSR – move source, copy object
MVOB – copy source, move object

The old values of Move and copy are still valid as well:

Move – copies, then deletes whatever it migrates
Copy – copies whatever is migrated

This enhancement makes N2OUEDON obsolete; therefore N2OUIDDON support will be discontinued with the next release of N2O. Sites using N2OUEDON should update the migration profiles and discontinue use of N2OUEDON as soon as possible.

Migration Subsystem

Multiple Target Migrations now permit the target environments to be modified.

Note: Sites that currently utilize multiple target migrations should review the Master Event setup. If the ability to change the target environments is not desired, set the LOCK EVENT field to ALL.

Checkout Utility:

PF11 Functionality for 'FAILED' or 'WARNING' messages has been added to display any existing Checkout information added to the Checkout utility.

Long SYSERR messages can now be checked out to remote environment.

Cancel Utility:

Additional criteria of Checkout Date, Current Environment and Current Library have been added to the Cancel utility.

Cancel with Delete is a new function that will cancel the object's checkout and delete the object in the current library.

Cancel with Extract is a new function that will cancel the object's checkout and create an Extract event to migrate a new copy of the object from the Base Environment/Library.

Note: This enhancement requires sites to modify any function profiles that allow access to the Cancel Utility (even if the new features are not activated). The MIG CANC functions should be assigned accordingly. Sites that do not modify the function profiles will be unable to access the Cancel Utility.

Autocompile:

Copycode and text objects will no longer be saved when the autocompile field is set to CAT

Multiple Target Events

When requesting a multiple target event, the To Environment and Library information can be modified

Reporting Subsystem

History of an Object Report:

The History of an Object report now shows all history, including open events. PF5 provides the option to select all history, closed history, or open history.

Toolbox Subsystem

N2OPURGE supports purging and optionally archiving of SYSERRs and DDMs.

Note: The input Parameters for batch execution of N2OPURGE have changed. Please refer to **Section V.3.1 - N2OPURGE Utility** of the N2O User Manual for details.

User-Exits / APIs

All user exits that utilize the Event Sequence number have been modified to accommodate the increased field size. Sites should analyze all user exits for any impact on custom coding.

N2OUE04N – a new parameter, WARNING, has been added to the end of the parameter data area. This parameter will contain the Event Warning message.

N2OUE31N – new user exit used to allow N2O to define the default Environment and Library for N2O input screens.

N2OAPI4N – new API to create/modify an Event.

N2OAPI5N – new API to add/delete objects to/from an Event.

N2OAPI6N – new API to submit a Batch Event.

N2OAPI7N – new API to retrieve a list of Objects as the Directory Listing report.

N2OUEDON – The migration method enhancement described under Environment Subsystem of this document makes N2OUEDON obsolete; therefore N2OUEDON support will be discontinued with the next release of N2O. Sites using N2OUEDON should update the migration profiles and discontinue use of N2OUEDON as soon as possible.

JCL changes

The sample JCL members listed below have been modified. The changes are documented in each member by a line similar to the following:

```
/** N2OV5.2 CHANGE CMWKF03 LRECL FROM 97 TO 99
```

These changes should be applied to any custom JCL created at a site.

Event purge	MVSEVENTP
Archive purge	MVSARCHP
Deferred move	MVSDMOVE
Batch migration	MVSMIG, MVSMIGP
N2OPURGE	MVSPURGE
Remote source compare	MVSCOMPR

Misc. Enhancements

Adhoc utility (N2OVCKEV) that allows the entry of an Event and change control number, gather all checkouts with the change control currently in the from environment of the requested event, transfer the checkouts to the current user (if necessary), and build an event that contains all the objects.

Obsolete options

Support for the BUILD-EXTRACT option in N2OUE14N will be dropped as part of the next N2O release. Sites utilizing this feature should modify N2OUE14N, setting BUILD-EXTRACT to FALSE (the default setting) and confirm that Migration Profiles that migrate PREDICT objects have a JCL PROGRAM specified (BUILD-EXTRACT=FALSE allows sites to use the same JCL to migrate Natural and Predict objects).

N2OUEDON support will be discontinued with the next release of N2O. Sites using N2OUEDON should update the migration profiles and discontinue use of N2OUEDON as soon as possible.

Fixes

All N2O v5.1 official fixes have been incorporated into N2O v5.2.1. For a complete list of the N2O v5.1 Official fixes, please refer to <http://www.treehouse.com/n2o511zaps.asp>.

N2O Version 5.2.1 also contains corrections for the problems listed below:

- N2O Cancel utility selection screen Userid field blank when using a wildcard for Userid.
- A NAT1314 error occurs on line 520 in N2OSEL when processing a migration profile by change control.
- NAT4018 "User is cataloging this library with CATALOG " error occurs with N2O autocompile with Natural V4.14 service pack 5 applied.
- A DIC1697 error occurs in the PREDICT target environment.
- Unable to copy a Master Event to a Master Event name that was previously used.
- N2O9460N loops when more than 12 SAG products are installed.
- NAT3009 errors occur with the logon generated by N2OBCOMP.
- Resubmitted Batch events are not updated with records for archived objects. Utility to restore/delete objects that resides on the archive file but not on the migration file.
- N2OPURGE does not process an input card that does not contain a wildcard if a previous input card has a wildcard.