



NS-DK 5.00 Service Pack 2

Introduction

This document presents the new service pack of NS-DK 5 SP2 or 5.2.1, available from January 2008. You will find in this release description:

- Elements relating to the implementation of Nat System's product strategy.
- A summary of the new functionalities offered in NSDK 5.2.1.
- A list of configurations and platforms supported by NSDK 5.2.1.
- A list of fixed bugs.

Every effort has been made to ensure the validity and accuracy of the information contained in this document. However, out of a continuing concern for quality and reliability, and for technical, marketing or timing reasons, it is possible that we will have to refine the content in the weeks to come. For this reason, this document cannot give rise to liability on the part of Nat System and does not constitute, therefore, a contractual commitment.

Aim of the version

To accompany its customers and provide them with new controls and exhaustive documentation and examples, Nat System made this service pack 1 available.

The updates in NS-DK 5.2.1 relate to :

- The installation.
- Improvements in the development tool.
- Documentation improvements.
- New functionalities and libraries.
- Corrections of known bugs since 5.1 version.

Installation

The Service Pack has the same installation procedure as the 5.00 version. This procedure installs the whole product. Hence, there is no need to install NS-DK 5.0 or 5.0 SP1 prior to install the service pack.

The installation now proposes:

NS-DK

- Run-times Libraries (Dlls compulsory for the applications)
- NSDESIGN (Development tool)
- Java, JDK (Run Time java used by the import module of the web services)
- Samples (NS-DK project examples)

DataBase Drivers

- NS-DB
- DB/2
- Oracle
- MySQL
- Sybase
- ODBC
- MS-SQL Server

About

By clicking on the Help/About menu you will immediately see which version you are using:

- · For the official or G.A. version you will have Version 5.00.
- · For the pack SP1 service you will have 5.00. SP1.
- · For the pack SP2 service you will have 5.2.1.

Enhancements in NS-DK 5.2.1

The installation

New procedure of installation allowing you to choose between the complete tool (with or without JDK) and run-time NS-DK. Recall: Run-time Java is not used by the importation module of the Web services.

Improvements in the development tool 5.1 (remainder)

- New tool inserted in NS-DK named Grep. This tool enables you to seek a chain or a regular expression NCL in the text resources of the project (SCR, NCL and TXT). Double-click a line gives you the access to the code to make possible modifications.
- Various ergonomics points of which a new resources management box, the appearance of the edited window using the topic in progress.
- Display of the Custom Controls properties in the property pane, via a interface XML file Examples SWITCH and DEMO_CTL).

Improvements in the development tool 5.2.1

The service pack 2 of NS-DK 5 extends the use of Windows platforms to the new platform Windows Vista 32-bit.

- Thus to allow compatibility with the Vista platform which does not support .HLP files, Nat System provides from now on an on line help in CHM format (Compiled HTML Module) that is compatible with Vista. The CHM format being compiled HTML, the files occupy much less memory than the old help files (.HLP and .CNT).
- User functions can be called from the NSDESIGN tool. (USERFCT)
- Resizable properties pane and resources pane
- Search function within the LOG window.
- Simplified support of images transparency, from the properties pane
- With NS-DK version 5 the concept of anchoring controls appeared, it allows, when a window is resized, the automatic positioning resizing controls. NS-DK 5.2.1 brings the visualization of control anchoring of controls at design time through depressing an icon in the toolbar. The anchoring is then shown by red or green lines
- New projects examples that illustrate the new features of the 5.2.1 version (XML, XML_SCHEMA, XML_CANONICAL)

Documentation improvements

- New project examples showing all the new functionalities of version 5 (ANCHOR, CUSTOM .TCL, MENU, NSCUSTIE, NSGOOGLESEARCH, NSHTTPDOWNLOAD, NSHTTPSENDDATA, NSSORT, OCXGRID, SHEETBOX, SEQUENCE).
- Documentation update (PDF and help online)

New functionalities in 5.1 (remainder)

- New API NSSORT to sort different arrays.
- New constants SMIP_% to easily associate bitmaps to the items of internal or external menus.
- New control NSIEWEB allowing the integration of Web applications in a NS-DK dialog box and also facilitating the accesses to the DOM of the page.
- New NSXMLPRJ library to handle the projects with format XML (.XNP)

New functionalities in 5.2.1

- Help in CHM format can be called from a NSDK application.
- External menus improvement : an API to write into the bottom bar, vertical separators in Toolbar.
- NSPREX* or NatSystem's EXternal PROtocols. A DLL or any application can be called from within an HTML/JavaScript page in a browser, transmit parameters or call functions. NSPREX has the advantages of simplicity, does not use ActiveX and works with all browsers.
- Use of dynamic strings (DynStr)
 - In the Read/Write of text files
 - In XML APIs
 - In HTTP requests
- New environment variable to get the NSLIB.INI file path and its content in trace file.
- String truncation detection.
- Multi-lines Tooltips.

* For more information about NSPREX, please call Nat System or send a mail at the following address : commercial@natsystem.fr.

Corrections

- Correction of known bugs.

NB: The technical bulletin of NS-DK 5.00 and 5.0 SP1, describing all the improvements and extensions developed for NS-DK 5.00 and 5.0 SP1 integrated in NS-DK 5.2.1, is available on the enclosed CD.

Supported configurations

Note that Nat System only guarantees the support and compatibility of the environments listed below.
NS-DK 5.2.1 : development environment

NS-DK 5.2.1 : développement environment

The following 32 bit operating systems are supported:

- Windows NT4 SP6a, 98 SE
- Windows 2000 service pack 4
- Windows XP service pack 1, 2 et 3
- Windows Vista

The compilers supported are:

- Microsoft Visual Studio 98
- Microsoft Visual Studio 2003
- Microsoft Visual Studio 2005
- Microsoft C++ Compiler Toolkit (free).

NS-DK 5.2.1 : client environment

List of compatibilities and configurations supported.

Windows NT4 SP6a, 98 SE

The following DBMS pilots are supported::

- DB2 : 6.1, 7.2
- Oracle version 8i : 8.1.7
- Oracle version 9i : 9.1
- Oracle version 9i release 2 : 9.2.0
- Sql Server : 7.0, 2000, 2005
- ODBC 3.51
- Sybase 12.5.3, 15.0
- MySQL 4.0
- Informix 9 avec IConnect 2.9

Windows 2000 SP4

The following DBMS pilots are supported:

- DB2 : 6.1, 7.2, 8.2, 9.0
- Oracle version 8i : 8.1.7
- Oracle version 9i : 9.0.1
- Oracle version 9i release 2 : 9.2.0
- Oracle version 10.1
- Oracle version 10.2
- SQL Server : 7.0, 2000, 2005
- ODBC 3.51
- Sybase 12.5.3, 15
- MySQL 4.0
- IConnect 2.5.TC1 pour Informix 7.2 et 9.4

Windows XP (32 bits)

The following DBMS pilots are supported: DB2 7.2, 8.2, 9.0

- Oracle version 9i : 9.0.1
- Oracle version 9i release 2 : 9.2.0
- Oracle version 10.1
- Oracle version 10.2
- Sql Server 2000, 2005
- ODBC 3.51
- Sybase 12.5.3 , 15
- MySql 4.0
- IConnect 2.5.TC1 pour Informix 7.2 et 9.4

Windows Vista (32 bits)

The following DBMS pilots are supported:

- DB2 9.0
- Oracle version 10.2 (XA, no XA)
- Sql Server 2005*
- ODBC 3.51
- Sybase 15
- MySql 5.0*
- Informix 10 avec Iconnect 2.9
-

* : with ODBC driver

Linux RedHat Enterprise 3

The following DBMS pilots are supported:

- Oracle version 8i : 8.1.7
- Oracle version 9i : 9.0.1
- Oracle version 9i release 2 : 9.2.0
- Oracle version 10.1
- Oracle version 10.2
- Mysql 3.2

The supported compiler is:

- GCC (GNU Compiler Collection) 3.2.2

* : with ODBC driver

NS-DK 5.2.1 : Batch Mode *

* In this mode All the processing is under the INIT event of the main dialog ; with nothing displayed on the screen

List of compatibilities and supported configuration by nsdk 5.2.1 batch mode

Windows NT 4.0 SP6a

The following DBMS pilots are supported:

- DB2 : 7.2, 8.2
- Oracle version 8i : 8.1.7 (XA, non XA)
- NatStar 5.02 – Janvier 2008
- Oracle version 9i release 2 : 9.2.0 (XA, non XA)
- Sql Server : 2000
- ODBC 3.51
- Sybase 12.5.3, 15.0
- Informix 9, 10 avec Iconnect 2.9

Windows 2000 SP4 (32 bits),

The following DBMS pilots are supported:

- DB2 7.2, 8.2, 9.0
- Oracle version 8i : 8.1.7 (XA, non XA)
- Oracle version 9i release 2 : 9.2.0 (XA, non XA)
- Oracle version 10.1 (XA, non XA)
- Oracle version 10.2 (XA, non XA)
- Sql Server : 2000, 2005
- ODBC 3.51
- Sybase 12.5.3, 15.0
- Informix 9, 10 avec Iconnect 2.9

Windows 2003 serveur (32 bits)

The following DBMS pilots are supported:

- DB2 : 7.2, 8.2, 9.0
- Oracle version 9i release 2 : 9.2.0 (XA, non XA)
- Oracle version 10.1 (XA, non XA)
- Oracle version 10.2 (XA, non XA)
- Sql Server : 2000, 2005
- ODBC 3.51
- Sybase 12.5.3, 15.0
- Informix 9, 10 avec Iconnect 2.9

HP-UX 11.x (Risc 2 - 32 bits)

The following DBMS pilots are supported:

- Oracle version 9i release 2 : 9.2.0 (XA, non XA)
- Oracle version 10.1 (XA, non XA)
- Oracle version 10.2 (XA, non XA)
- Sybase 12.5, 12.5.3
- Informix 9 avec Iconnect 2.20(non XA)

The supported compiler is : :

- HP aC++ for HP-UX 11.00 & 11i (3.56)

HP-UX 11.x (Risc 2 - 64 bits)

The following DBMS pilots are supported:

- Oracle version 9i release 2 : 9.2.0 (XA, non XA)
- Oracle version 10.1 (XA, non XA)
- Oracle version 10.2 (XA, non XA)

The supported compiler is : :

- HP aC++ for HP-UX 11.00 & 11i (3.56)

The following DBMS pilots are supported:

- Oracle version 9i release 2 : 9.2.0 (XA, non XA)
- Oracle version 10.1 (XA, non XA)
- Oracle version 10.2 (XA, non XA)

The supported compiler is : :

- HP aC++ for HP-UX 11.00 & 11i (6.10)

HP-UX 11.23 (Itanium - 64 bits)

The following DBMS pilots are supported:

- Oracle version 9i release 2 : 9.2.0 (XA, non XA)
- Oracle version 10.1 (XA, non XA)
- Oracle version 10.2 (XA, non XA)

The supported compiler is : :

- HP aC++ for HP-UX 11.00 & 11i (6.10)

AIX 4.3.3 (32 bits)

The following DBMS pilots are supported:

- Oracle version 8i : 8.1.7 (XA, non XA)
- Oracle version 9i release 2 : 9.2.0 (XA, non XA)
- Sybase 12.5, 12.5.3
- Informix 9 avec Iconnect 2.20 (non XA)

The supported compiler is : :

- Visual Age 5.0

AIX 5.2 (32 bits)

The following DBMS pilots are supported:

- Oracle version 8i : 8.1.7 (XA, non XA)
- Oracle version 9i release 2 : 9.2.0 (non XA uniquement)
- Oracle version 10.1 (XA, non XA)
- Oracle version 10.2 (XA, non XA)
- Sybase 12.5.3
- Informix 9 avec Iconnect 2.20 (non XA)

The supported compiler is : :

- Visual Age 6.0

AIX 5.3 (32 bits)

The following DBMS pilots are supported:

- Oracle version 10.2 (XA, non XA)
- Sybase 12.5.3
- Informix 10 avec Iconnect 2.9 (non XA)

The supported compiler is : :

- C++compiler: IBM XL C/C++ 8.0

AIX 5.3 (64 bits)

The following DBMS pilots are supported:

- Oracle version 10.2 (XA, non XA)
- Informix 10 avec Iconnect 2.9 (non XA)

The supported compiler is : :

- C++compiler: IBM XL C/C++ 8.0

Sun Solaris 7 (32 bits)

The following DBMS pilots are supported:

- Oracle version 9i : 9.0.1 (XA, non XA)
- Sybase 12.5
- Informix 9 avec Iconnect 2.20 (non XA)

The supported compiler is : :

- Sun WorkShop Compiler 4.2

Sun Solaris 10 (32 bits)

The following DBMS pilots are supported:

- Oracle version 10.2 (XA, non XA)
- Sybase 12.5.4, 15
- Informix 10 avec Iconnect 2.9 (non XA)

The supported compiler is : :

- Sun Studio 11

Sun Solaris 10 (64 bits)

The following DBMS pilots are supported:

- Oracle version 10.2 (XA, non XA)

The supported compiler is::

- Sun Studio 11

Linux RedHat Enterprise 3

The following DBMS pilots are supported:

- Oracle version 10.1 (XA, non XA)
- Oracle version 10.2 (XA, non XA)
- Mysql 3.2

The supported compiler is : :

- GCC (GNU Compiler Collection) 3.2.3

MVS CICS/ MVS IMS/MVS BATCH z/OS 1.8

AS/400 V5R2

Notes :

Informix Driver do not support dynamic strings.

Use the ODBC Driver with My SQL 5.00 and Sql Server 2005

There is no compatibility between 32 and 64 targets.

Support of third products by their respective editors

- Oracle version 8i is no longer supported by Oracle since end 2004.
- Microsoft no longer supports NT since end 2004.
- Microsoft no longer supports Windows 98 since June 2006.

Product retirement

A version's technical state

The status of each technical state of a version passes successively from "current" to "transition" to "withdrawn".

A technical state starts with the general availability of a major, minor or maintenance version and results in:

- The assignment of "current" status to this version of the product
- The assignment of "transition" status to the previous "current" version of the product
- The assignment of "withdrawn" status to the previous "transition" version of the product

The table below summarizes the respective services guaranteed for the "current", "transition" and "withdrawn" versions of a product.

Sale: technical state available for sale.

Changes: operational coverage of the product changes with the next versions.

Bugs: analysis and correction of bugs is scheduled in current or future versions according to priorities.

Version increments: the product is ported onto new versions of the operating systems.

Use: assistance (helpdesk) is guaranteed by the Hot-Line center.

	Sale	Changes.	Bugs P=0	BugsP=1,2,3	Version increments	Use
Current	Yes	yes(1)	yes	Yes	yes	Yes
Transition	No	No	Yes	No	No (2)	Yes
WithDraw	No	No	No	No	Non	No

(1) The current version changes with the next technical state of the product.

(2) In some circumstances, version increments may be symmetrically compatible with the previous technical state in transition.

Nat System supports a version of its products for a minimum period of three years. A version is supported for a minimum period of 1 year as a current version, then for a minimum period of 1 year as a transition version of the product.

Version 1.60 was withdrawn since may 2006.

Version 3.0.2 will be maintained in transition until the release of version 6.00 (non contractual designation) which is planned for the second half of 2008.

Version 5.2.1 replaces version 5.00 and 5.00 SP1

List of fixed bugs in 5.2.1

ID	Description
0001781	Sample xml_schemas
0001712	Help.chm
0001499	NSCustIE : page NatSys HTTP Request Analyser
0001505	NSCustIE : sample
0001597	Mettre "Byte alignment" et "Save bits" dans "Deprecated" des boîtes de prop des fenêtres
0001267	La liste des librairies dans une configuration est limitée à 255 caractères
0001435	SheetTreeBox : trap
0001886	Perte de focus dans l'éditeur de .ncl
0001868	Service Web Document/literal : problème sur les StructArrays
0001783	Plantage lors de la réouverture d'une fenêtre contenant un custom control
0001790	La Status-Bar de NS-DK ne se modifie pas toujours.
0001833	L'aide en ligne est parfois en TOP_WINDOW
0001832	Aide en ligne de NSDESIGN l'index est souvent réduit.
0001747	EntryField EXPLOSIFS
0001515	Ressources .MNU. peut-on afficher les séparateurs des menus dans la toolBar ?
0001802	Dans NSDESIGN, le menu contextuel alignement prend trop de place.
0001699	Ne pas limiter l'écriture dans la status bar à 64 caractères
0001709	Visualisation de l'ancrage par un bouton de la toolbar et des lignes rouges/vertes sur les contrôles.
0001770	La complétion des END ne fonctionne pas toujours.
0001745	Appeler les chm à partir des ide NatStar et NS-DK à la place des hlps
0001715	Visualisation de l'ancrage
0001728	Garder les champs ouvrables de la boîte de prop ouvert/fermés entre les contrôles
0001721	Save_bit doit être décoché par défaut.
0001716	Pouvoir changer l'ancrage via la boîte de prop
0001550	Pb d'ancrage Assertion NSGPI/P. Id : 1196
0001707	Pb avec NSDBR : erreur -119 si 2 boucles de lecture s'entrevêchent.
0001682	Les tailles des ecrans dans la boîte de proprietes ne correspond pas a celle affichee dans la barre de statut en bas a droite
0001601	Nstest : une callback non compilé fait planter nstest
0001725	Plantage sur SETFOCUS d'un control menu sous NS-DK5SP1.
0001687	SHIFT F5 ne fonctionne pas toujours.
0001548	Non renommage du fichier "segment" apres renommage du segment
0001686	Les champs Width & et Height des Static text autosize ne sont pas toujours mis à jour.
0001653	Plantage sur utilisation de la console en asynchrone (StartConsoleExec)
0001429	En Unicode, les password sont visibles.
0001389	Execprog empêche l'appli appelante de reprendre la main
0001497	plantage de l'application (bus error) à cause de IniMgrGetItemBool
0001643	Pb Compatibilite Internet Explorer 7 et OCX Webbrowser
0001642	Acrobat reader 5 ne fonctionne pas bien avec nsdk
0001317	Décalage de contrôles de quelques pixels vers le haut
0001489	Problème sur les noms long de BMP lors d'une migration NS-DK 1.55 => 5 SP1
0001468	ToolTip sur plusieurs lignes
0001514	L'heure de la statusBar des menus externes est dans un format. AM/PM.
0001534	Pb lors de la connexion à un événement COM par la fct DCOM_AddEventSink
0001512	La tooltip sur les titres des sheet-tree ne fonctionne pas.
0001513	Ecrire dans la StatusBar des menus externes.
0001602	Vista Trap sur envcount
0001560	NSTest et pTableau[I].pSubTab[J] = ...
0001474	Problème d'affichage dans une Sheet Box, avec l'instruction STV_SETLINERGBBACKCOLOR
0001559	STRING TRUNCATION en utilisant la SheetBox
0001498	Dans WSDL2Ncl, ajouter un champ fictif dans les SEGMENTS générés mais vides.
0001500	NSCustIE : NSWEBGOBACK et NSWEBGOFORWARD
0001491	Pb dans le volet de propriétés pour le WCC Tree-view

0001416	Problème de fatale erreur à l'exécution en interprété (avec DLL extérieure)
0001382	NS-DK ne renvoie pas d'erreur sur un double insert avec la même primary key
0001440	Il faudrait pouvoir traquer et tracer les troncatures de String
0001392	En UNICODE on ne peut pas sélectionner une constante.
0001395	On ne peut cliquer sur le p de template dans le browser de ressources.
0000962	La doc Ns-screen exploser ne figure pas dans NS-DK ni NatStar
0001403	Sous NS-DK V5 SP1, l'ajout d'un caractère dans "INPUT" est perdu lorsqu'on quitte puis réouvre la fenêtre
0001411	Le Fichier NSW2UCOD.LIB n'est pas livré
0001318	Les noms de ressources ncl ne peuvent pas commencer par des chiffres
0001369	Trap dans NWXML
0001397	Fatale erreur windows lors de l'impression d'une librairie sous NS-DK5 SP1
0001424	Quand on lance NSDEBUG depuis NSDK on a le message "Usage: NSDEBUG [/PRJ:<ProjectName>] [<MainName>]"
0001367	NSTest : impossible de lancer NSDebug
0001337	Le driver SYBASE généré des SELECT DB_NAME ce qui nuit aux performances
0001299	La compilation plante sur une instruction où on affecte un tableau à 2 dimensions
0001330	Active trace file et trace file avec son path mais NS-DK ne trace pas !!!
0001334	Régression : le texte de SHEET_TRBX_CREATE% est tronqué après le premier blanc en 5.00
0001363	Tracker 7795 du 06/12/2006 : NSDesign : Changement de fonte
0001391	Plantage du Grep
0001366	Tracker 7767 du 12/10/2006 : Affichage fonte par défaut
0001365	Tracker 7792 du 06/12/2006 : Lecteur/Ecriture de DynStr
0001372	NSCalc operation Modulo : %
0001295	Erreur sur génération par ligne de commande "NSGEN.EXE /PRJ:TEST1 /CL /LINK /FORCE /VERBOSE MAIN"
0001324	MIGRATION 3.00 / 5.00 : problème de redessin de template
0001777	Un changement de style de fenêtre mère ou de retaillage peut entrainer un mauvais positionnement des fenêtres filles
0001681	Rendre le clipChildren facultatif par fichier NSLIB.INI
0001401	Afficher une boîte de message qui indique où est le fichier NSLIB.INI
0001625	Sous Vista, les contrôles s'affichent au look Wnd 2000
0001519	Message erreur division par 0 ligne 442 de NSDLGITM.PAS (cgent)
0001478	Avoir un check des troncatures de chaînes sans recompilation
0001455	Ecrasement mémoire possible avec FILLER\$ utilisé sur une chaîne trop courte
0001400	On arrive à avoir des petites barres de titre. (Tracker 7784)

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