Notes Integration Inspector
Beta Release – Installation and Configuration Guide

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1.About Notes Integration Inspector

The Notes Integration Inspector (NII) from Indellient Inc. is an application to provide a rapid and exhaustive listing of integration points between a suite of Lotus Notes applications and the Microsoft Office set of applications.

NII operates by browsing all Lotus Notes applications across a set of pre-configured server or accessible disk locations, identifying all relevant integration points with Office. NII can be configured to read all embedded code within the application as well as selectively report on all stored / embedded Office files.

The NII application is configured via a Lotus Notes database that also serves as a repository for logging information and all results from the inspection process. Configuration options allow the user of NII to specify:

- Scanning locations (servers, directories and subdirectories)
- Content to scan (design / data)
- Performance management options (limits to execution time or database count)
- Detail of information to store

This document provides additional details on the installation and configuration of the application.

2. Installation

2.2 Pre-Requisites

The workstation or server where NII is installed must have a local installation of Lotus Notes R6.5 or higher.

The installation environment must also include the Lotus Notes program directory in the list of "Path" locations defined for the environment.

2.1 Process

The Notes Integration Inspector ships with a standard installation kit, that can be easily executed with the following steps:

a. Unzip the file NII.ZIP to store the following files to a directory of your choice

- NII SETUP.MSI
- SETUP.EXE

b. From Windows Explorer, execute SETUP.EXE and follow the instructions provided. A default location in the program files directory of the installation machine is provided, but there are no specific requirements for a particular installation location.

Following installation, an entry will be provided for NII on the start menu. The following files should be created by the installation process:

- NII.EXE
- NII.ICO
- NIILIB.DLL
- INSTALLATION GUIDE.odt
- NIILIB.DB.DAT
- NII_CFG.NSF

The last of these files is the Notes Database application which controls execution and where all scan results are stored. This database is described in the sections that follow.

3. NII Execution

As soon as the installation is completed, the NII executable can optionally be executed from Windows Explorer, and it will scan all databases stored within the data root of the local Notes installation. It is however possible to also provide command line arguments to the program, according to the following syntax.

NII.EXE [ConfigServer] ConfigDatabase [FlatFileLog [ConfigKey]] [-q]

where the parameters are described in the following table:

Parameter	Description	M/O
ConfigServer	The server location for the configuration database. In most cases the parameter is blank and the configuration database resides local to the execution platform.	Optional
ConfigDatabase	The database file location for the configuration database. It may be specified relative to the data root, an absolute reference or relative to the location of execution for the program.	Mandatory
FlatFileLog	If there are errors prevent the initialization of a Lotus Notes session, error details will be provided within this file in the installation directory. If the parameter is not specified, a default of NII_OUT.ERR is utilized.	Optional
ConfigKey	The name of a specific unique configuration record within the configuration database, allowing for selective scanning of different server groupings.	Optional
-q	A qualifier that supresses real time statistics to STDOUT (servers processed, databases processed, code segment analyzed, integration points identified). AKA. Quiet Mode.	Optional

A simple execution of the program would be:

NII NII_CFG.NSF

4. Configuration

4.1 Configuration View

The Notes database that is provided with the installation is the primary location for all configuration of NII. When the application is opened, the default view is the configuration view, which ships with an initial simple configuration document as shown in Figure 4.1.

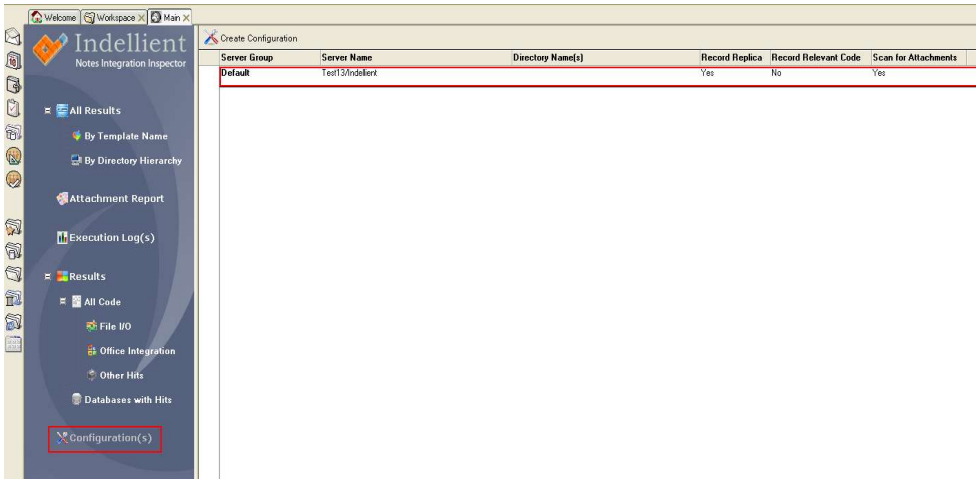

Figure 4.1: Configuration View

There may be one or more configuration documents defined for execution. If the name for a single configuration is provided as a program startup argument, that specific configuration will be selected, otherwise the first configuration in the view will be utilized.

4.2 Configuration Document

The contents of the configuration document are shown in Figure 4.2 below:

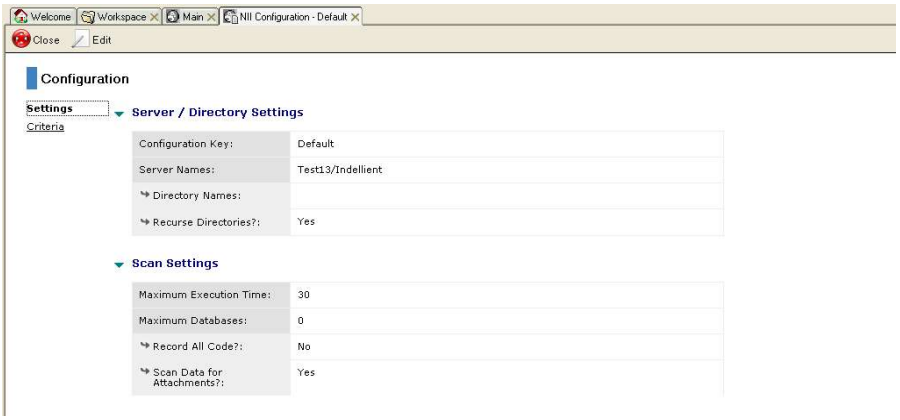

Figure 4.2: NII Configuration Document

A description of each value specified in the configuration document is provided in the table below:

Setting	Description	Value Comments
Configuration Key	A unique text string associated with this record for identification from the command line	Mandatory
Server Names	One or more names of Lotus Domino servers to scan	Multi-Valued; blank => local scan
Directory Names	One or more names of directories to scan on server(s) or locally	Directories must match servers in count, OR either server or directory must have 0 or 1 entries.
Traverse Subdirectories	Binary option to traverse the selected subdirectories	Mandatory (typically turned on)
Maximum Execution Time	Parameter to limit execution time	0 is interpreted as no limit on execution time
Maximum Databases	Setting to limit databases scanned (useful for pilot activities)	0 is interpreted as no limit
Record All Code	Setting to record all code segments identified in the scanned applications, regardless of whether an integration element has been located	Usually set to No to avoid very large data volumes
Scan for Attachments	Setting to turn on scanning of the data of the applications for any embedded or attached files of interest	Set to No for significant performance improvement.

5. Troubleshooting

5.1 Failure to initialize Notes

Symptom: Application fails, indicating that NNOTES.DLL cannot be found

Solution: Add the Lotus Notes program directory to the System Path setting through My Computer properties.

5.2 Failure to locate configuration database

Symptom: Application runs, but there are no execution logs in the configuration database

Solution: Check the log file in the directory where the application is executed (if this is not specified on the command line, it will be called NII_OUT.ERR. This file is simple text that can be read with NOTEPAD.

5.3 Failure to locate database(s)

Symptom: Application runs, but there are no results in the database, or fewer databases scanned than expected.

Solution: Check the Execution Log(s) view, and open the most recent document by date. The log document is the location for reporting of all execution errors. Frequently the source of failures to scan databases is the ACL setting for the database(s). The user executing NII requires a minimum of reader access to all database applications being scanned.

5.3 NII prompts and indicates an invalid or unidentified license key

Symptom: An error message on program startup “The license key file was uninitialized or does not exist”.

Solution: Make sure the Working Path of NII is its installation path. This would not be the case if running NII from the command prompt and invoking the executable from another directory (i.e. Program Files\Indellient\Notes Integration Inspector\NII.exe). If using the command prompt to run NII, try running the application from the installation folder itself (see example below).

i.e.
[Open command prompt]

C:\> **cd "C:\Program Files\Indellient\Notes Integration Inspector"**

C:\Program Files\Indellient\Notes Integration Inspector> **NII.exe**