

## Desktop Manager 2.7

April 2010

### Summary of New Features and Enhancements

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#### Full Support for Notes client 8.5.1 and Sametime Preferences

#### New Architecture

1. Desktop Manager 2.7 **runs as a local database** (DskMgrStart.nsf), using a **background synchronization process** with server databases to **receive** new **parameter documents** (Setup, Profiles, Tasks, Templates, Binary files...) and **send audit results** documents.
2. Desktop Manager 2.7 schedules (default setting) the data synchronization between local database (DskMgrStart.nsf) and server databases (DskMgr.nsf/DskMgrUser.nsf/NAB databases), every 2 hours or as modified by the Administrator. Desktop Manager now runs on a PC with **no network connection** or having only a poor one. The synchronization process is hidden from the users. It only runs if a network is available and will try until it can complete the synchronization.
3. Desktop Manager 2.7 will automatically run on **Switch ID** event. So if several people are sharing the same Notes configuration, Desktop Manager 2.7 will run for all of them.
4. **Emergency Tasks** can now run at any time, with no need to wait for next Notes client startup. There is no need to replicate the Desktop Manager database with a user's desktop in cases of low bandwidth.

#### Faster Execution

1. Desktop Manager runtime is faster because there is no reliance on **network bandwidth** or **server response time**. All code runs in the local Desktop Manager Starter database, independent of any server connection.
2. Because of the background synchronization process, we avoid **network usage peak** (typically in the morning): data are sent / received all day long.
3. Installing Desktop Manager 2.7 now consumes less bandwidth and the initial run of Desktop Manager 2.7 is now even shorter using a **Desktop Manager Starter database** (DskMgrStart.nsf) containing all necessary components (Binary Files, Setup, Profiles, etc.), to be deployed on new user's desktop. This saves network bandwidth for the first Desktop Manager run.
4. **Mail Database modifications** (Calendar Profile, Mail Rules, ACL, etc.) can now be made in the **local replica**.
5. Desktop Manager 2.7 makes **incremental copies** of local files for backup/restore/roaming scripts. Desktop Manager 2.7 only copies to the network drive what has been modified in the file during the day (few KBs instead of MBs).

## Enhancements

### Enhanced Administration User Interface and New Features

1. NEW multi-criteria/multi-thread **Search Engine** of the Audit Results. Results may be exported as **CSV** files or presented as Notes **document links**.
2. NEW internal **Desktop Manager databases Statistics** feature (activity, size, documents, design element, ACL, replication) for databases healthcare.
3. NEW support for Italian and Spanish languages in the **Multi-Languages User interface**.
4. New **alternate row color** (white / light grey) in the multi-lines tables for better reading.
5. Most of the Audit Result views display the **% Usage** of user's desktop, to quickly catch the most used desktop for users having many.
6. The Audit Result view **Hardware & Software** has been renamed as **Hardware & Network** because it now displays the **Network Usage** for Replication traffic for all users.
7. **NEW Email Alerts** can now be sent to administrators if a **new installation** or an **upgrade** of Desktop Manager **failed** on a user's desktop.
8. NEW Desktop Manager 2.7 **hides error screens and DskMgr.exe progress bar window** from end-users.
9. Desktop Manager 2.7 restarts the Notes client during the Notes client startup process if modifications have been made to already-in-memory files during Pre-Script process (ID file, names.nsf, etc.).
10. If shortcuts have not been modified with DskMgrStart.nsf as parameter, the Restart Notes Client feature is used to force the start of the Notes client with the DskMgrstart.nsf database.
11. The **inheritance of settings** between **Setup** and **User** documents is now controlled by Setup Options. Setup settings now overwrite User settings (See **Precedence** in Setup documentation).
12. Extra LotusScript libraries in the Desktop Manager database are recognized. They will be automatically synchronized to the local Desktop Manager Starter database.

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### Enhancements of Audit Results

1. Audit all new R 8.5.x **User Preferences**
2. Audit all new R 8.5.x **Sametime Preferences**
3. Analyze all **Replication Network Traffic** between local databases and Domino servers. Consolidate volume for each database and global usage, by month and year.
4. New **Full Database Audit** feature (available through Setup, Profile and Task) to run a full analysis (Activity, Size, Documents, Design Elements, ACL, Replication) of all local Notes databases.

#### 5. New Fields

**New** fields displaying the following:

1. **NSD Files** list available on the user's desktop and the content of the latest.
2. **number of crashes** of the Notes client from the beginning and for the past month.
3. **Domino Policies** applied to the user.
4. **Explicit Policy** of the user.
5. if the user is a **Roaming User**.
6. information for the **Bios** of the User's computer.
7. any **Environment Variables** coming from the user's Windows session. The field list is defined in the **Setup** document.
8. any **Notes.ini Variables** coming from the user's Notes.ini file. The field list is defined in the **Setup** document.
9. release number for the **Microsoft Installer** program.
10. **runtime** for the **Operating System**.
11. **runtime** for the **Notes client**.
12. the **command line** used to start the Notes client.
13. the **running mode (Eclipse or Basic)** for the Notes **R8.x** client.
14. the **Number of Runs** of Desktop Manager on the computer.
15. **% Usage** of this computer (number of starts / number of days).
16. **Statistics** (how many times each hook has been activated for each user).
17. **Notes Client Startup duration** from Startup to Password Prompt.
18. **Notes Client Startup duration** from Startup to Desktop Manager start.
19. **Full Database Audit** duration.
20. **Shared Notes Data** folder path.
21. content of the **Roaming Folder**.
22. **Notes ID** and the link to a Template document ([]) for each document of the local NAB.
23. **Bookmark Links** available in the left navigator of the Notes client.
24. **Toolbars** enabled for the user.
25. **Status Bar** settings.
26. if the **ECL** is read only.
27. new **Workspace Display options** (Advanced menus, Dock the Open List, Show Thumbnails Button)
28. **Replication Priority** for replicated databases.
29. **Mail Rule** documents list available in the mail database.
30. **Mail Rule** documents list available in the local mail replica.
31. **Space Usage** for the local mail replica.
32. **Encryption Level** for the local mail replica.

## Enhancements to Template Documents

New **Mail Rule** Template documents for Task and Profile. You can now deliver and synchronize Mail Rule documents to the User.

## Enhancements to Preference Documents

1. **NEW** Desktop Manager **Preference** documents to enforce settings in **existing** parameter documents (Connection, Location, Account...).
2. **NEW Connection** Preference documents available for Task and Profile. You can now modify some settings in user's Connection documents.
3. **New Location** Preference documents available for Task and Profile. You can now modify

- some settings in user's Location documents.
4. **New Account** Preference documents available for Task and Profile. You can now modify some settings in user's Account documents.
  5. **New Program** Preference documents available for Task and Profile. You can now modify some settings in user's Program documents.
  6. **New Calendar Profile** Preference documents available for Task and Profile. You can now modify some settings in user's Calendar Profile document.

## Enhancements to the Hook Feature

1. **New Hook Statistics** for each user, to know how many times each Hook has been used on each user's desktop.
2. **New Mail Impact Limiter** Hook document available for Profile. You can prevent users from sending messages having a significant impact on the network (message size x number of recipients).
3. **New Recipients Number** Hook document available for Profile. You can prevent users from sending messages to large number of recipients.
4. **New Mail Database Quota** Hook document available for Profile. You can prevent users from sending messages if their mail database Quota has been exceeded.
5. **New Delete Database** Hook document available for Profile. You can prevent users from deleting local Notes databases.

## Enhancements to Task documents

1. **NEW - Quick Action Task** documents tailor-made for providing a **single modification** (compact database, change notes.ini value, create local replica...) to a **single user**.
2. **NEW - Wizard** button to simplify the user interface for entering parameters (documents selection, ACL command line, ECL Entry options, database properties, replication options...)
3. **NEW - Emergency Task** option to force a Task to **run immediately** on user's desktop (no need to wait for next Desktop Manager start).
4. **NEW** - list of **Conditional Launch** settings for the Task. We can now decide if the Task will run or not on user's desktop based on many dynamic criteria (IP Address, date, Notes client release, Notes.ini value...).
5. **NEW - FullName** or **NAB Group Names** as Task Target Users list.
6. **NEW** - modify the new **R8.x Workspace display options** (Advanced menus, Dock the Open List, Show Thumbnails Button)
7. **NEW** - modify the **Synchronize Personal NAB Contacts** option from Replicator Pages.
8. **NEW** - apply changes to **Calendar Profile** document using a **Calendar Profile Preference** document.
9. **NEW** - apply changes to **Connection** documents using a **Connection Preference** document.
10. **NEW** - apply changes to **Location** documents using a **Location Preference** document.
11. **NEW** - apply changes to **Account** documents using a **Account Preference** document.
12. **NEW** - apply changes to **Program** documents using a **Program Preference** document.
13. **NEW** - create / update **Mail Rule** documents using a **Mail Rule Template** document.
14. **NEW** - delete **Connection** documents from user's local NAB.
15. **NEW** - delete **Location** documents from user's local NAB.
16. **NEW** - delete **Account** documents from user's local NAB.
17. **NEW** - delete **Program** documents from user's local NAB.

18. **NEW** - delete **Mail Rules** documents from user's mail database.
19. **NEW** - run a **Full Audit** on local databases (activity, size, documents, design elements, ACL, replication...).
20. **NEW** - modify all new R8.5x **User Preferences**.
21. **NEW** - modify all new R8.5x **Sametime Preferences**.
22. **NEW** - change **ECL Access Mode** (set to read only).
23. **NEW** - **Delete** the entire **ECL**.
24. We can now launch **Local Notes Administration Tasks** (nconvert.exe, ncompact.exe, nfixup.exe, ...).
25. **NEW** - **Copy / Synchronize** (copy only if source has been modified) a set of files.
26. **NEW** - **Zip a set of files** into one unique zip file.
27. **NEW** - **modify values in XML files**, providing a search key to avoid ambiguous file formats.

## Enhancements to Profile documents

1. **NEW** - select which Users will receive a **Profile** document using numerous criteria (@Formula, NAB Group, NAB picklist, Desktop Manager picklist).
2. **NEW** - **Wizard** button to simplify the user interface for entering parameters (documents selection, ACL command line, ECL Entry options, database properties, replication options...)
3. **NEW** - **Conditional Launch** for checking if the user has a **Local Replica** of the mail database.
4. **NEW** - enforce the new **R8.x Workspace display options** (Advanced menus, Dock the Open List, Show Thumbnails Button)
5. **NEW** - enforce the **Synchronize Personal NAB Contacts** option from Replicator Pages.
6. **We can now** enforce changes to **Calendar Profile** document using a **Calendar Profile Preference** document.
7. **We can now** enforce changes to **Connection** documents using a **Connection Preference** document.
8. **NEW** - enforce changes to **Location** documents using a **Location Preference** document.
9. **NEW** - enforce changes to **Account** documents using a **Account Preference** document.
10. **NEW** - enforce changes to **Program** documents using a **Program Preference** document.
11. **NEW** - create / update / enforce **Mail Rule** documents using a **Mail Rule Template** document.
12. **NEW** - delete **Connection** documents from user's local NAB.
13. **NEW** - delete **Location** documents from user's local NAB.
14. **NEW** - delete **Account** documents from user's local NAB.
15. **NEW** - delete **Program** documents from user's local NAB.
16. **NEW** - delete **Mail Rules** documents from user's mail database.
17. **NEW** - run a **Full Audit** on local databases (activity, size, documents, design elements, ACL, replication...).
18. **NEW** - enforce all new R8.5x **User Preferences**.
19. **NEW** - enforce all new R8.5x **Sametime Preferences**.
20. **NEW** - enforce **ECL Access Mode** (set to read only).
21. **NEW** - **Add, Modify** or **Delete** any **ECL entries**.
22. **NEW** - **Delete** the whole **ECL**.
23. **NEW** - **Refresh** the **Design** of local databases.
24. **NEW** - **Replace** the **Design** of local databases.
25. **NEW** - launch **local Notes Administration Tasks** (nconvert.exe, ncompact.exe, nfixup.exe, ...).
26. **NEW** - **Copy / Synchronize** (copy only if source has been modified) a set of files.

27. **NEW** - **Zip a set of files** into one unique zip file.
28. **NEW** - **Delete Windows Registry Keys**.
29. **NEW** - enforce values in XML files, providing a search key to avoid ambiguous file format.

## Additional LotusScript API Functions

1. **NEW** - **GetRelativePath** function to get the Notes database path relative to the Data directory.
2. **NEW** - **dmChangeECLAccess** function to change ECL access mode for the User.
3. **NEW** - **dmAddECLEntry** function to add a new entry to the ECL of the user desktop.
4. **NEW** - **dmModifyECLEntry** function to modify existing entry in the ECL of the user desktop.
5. **NEW** - **dmDeleteECLEntry** function to remove existing entry from the ECL of the user desktop.
6. **NEW** - **dmDeleteECL** function to delete the ECL of the user desktop.
7. **NEW** - **dmLaunchNotesTask** function to run a LotusScript or @Formula agent located in the Desktop Manager database.
8. **NEW** - **dmCopyMultiFile** function to copy a set of files available in a Source folder to a Destination folder.
9. **NEW** - **dmUpdateMultiFile** function to synchronize a set of files available in a Source folder to a Destination folder.
10. **NEW** - **dmPostCopyMultiFile** function to copy a set of files available in a Source folder to a Destination folder (DskMgr.exe job).
11. **NEW** - **dmPostUpdateFile** function to copy a file only if the source has been modified (DskMgr.exe job).
12. **NEW** - **dmPostUpdateMultiFile** function to copy a set of files available in a Source folder to a Destination folder (DskMgr.exe job).
13. **NEW** - **dmDeleteRegistryKey** function to delete a key in the Windows registry.
14. **NEW** - **dmIsCitrixComputer** function to check if Notes is running under a Citrix session
15. **NEW** - **dmIsLaptopComputer** function to check if the computer is a laptop
16. **NEW** - **dmIsUserAdmin** function to check if the user is administrator of Windows
17. **NEW** - **dmGetComputerName** function to get computer host name.

## Additional Desktop Manager Script API Functions

1. **NEW** - language structure for **Conditionl Bloc** (IF THEN ELSE ENDIF) and **Loop** (FOR NEXT).
2. **NEW** - **UpdateFile** function to update a copy of file only if the source one has been modified.
3. **NEW** - **CopyDeltaFile** function to perform a incremental copy of file (minimize network traffic).
4. **NEW** - **CopyMultiFile** function to copy a set of files to a new location.
5. **NEW** - **UpdateMultiFile** function to synchronize a set of files to a new location.
6. **NEW** - **ZipMultiFile** function to zip a set of files / folders.
7. **NEW** - **SearchMultiFile** function to search for files paths on the disk.
8. **NEW** - **GetCurrentFolder** function to get current folder path.
9. **NEW** - **SetCurrentFolder** function to set current folder path.
10. **NEW** - **ExpandString** function to expand environment-variable strings and replaces them with their values.
11. **NEW** - **DeleteRegistryKey** function to delete a Registry key.

12. **NEW** - **KillProcess** function to terminate immediately one running process.
13. **NEW** - full set of **String Handling** functions:
  - a. New **Left** function to return the leftmost characters of the string.
  - b. New **Right** function to return the rightmost characters of the string
  - c. New **LeftString** function to return the characters to the left of subString.
  - d. New **RightString** function to return the characters to the right of subString.
  - e. New **LeftStringBack** function to return the characters to the left of subString (search from right to left).
  - f. New **RightStringBack** function to return the characters to the right of subString (search from right to left).
  - g. New **Middle** function to return a substring from the middle of a string.
  - h. New **InStr** function to return the position of a substring within a string.
  - i. New **ReplaceSubString** function to replace substring in a string.
  - j. New **Length** function to return the number of characters in a text string.
  - k. -New full set of **List Handling** functions :
    - l. New **GetElementNumber** function to return the number of element in a list.
    - m. New **GetNthElement** function to return the Nth element from a list.
    - n. New **GetSubsetList** function to return the Nth first (or last) elements from a list.
    - o. New **GetElementPosition** function to return the position of a element within a list.
    - p. New **AddElement** function to add a new element to a list.
    - q. New **InsertElement** function to insert a new element to a list.
    - r. New **ReplaceElement** function to replace one or several element into a list.
    - s. New **RemoveElement** function to remove one or several elements from a list.
    - t. New **UniqueList** function to remove all duplicated elements from a list.
    - u. New **TrimList** function to remove all empty elements from a list.
14. **NEW** - **IsLaptop** function to check if the Script is running on a Laptop computer.
15. **NEW** - **IsRunOnCitrix** function to check if the Script is running under a Citrix session.
16. **NEW** - **GetNotesVersion** function to get Notes Client release number.
17. **NEW** - **ExitNotes** function to force the Notes Client to stop immediately (Pre-Script only).
18. **NEW** - **RestartNotes** function to force the Notes Client to restart immediately (Pre-Script only).
19. **NEW** - **KillNotes** function to terminate immediately all Notes Client related processes.