

MarvelClient Roaming Enhancements

The MarvelClient Roaming module is a time, cost and storage saving method to roam IBM Notes user configurations between physical and virtual clients in a much more effective way than with IBM Roaming.

Refer to the link and the video below to find out about MarvelClient Roaming:

<https://www.panagenda.com/marvelclient/modules/>

After implementing MarvelClient Roaming, an administrator might recognize that some specific Notes settings are reported by users to not being roamed.

This is due to technical limitations and because of the way some settings are stored within certain areas/files of the IBM Notes client. The following list describes which settings are not roamed by default:

- Custom toolbars and smarticons a user might have implemented in her/his IBM Notes configuration
- Custom homepage layouts in the bookmark.nsf (i. e. custom frame sets for displaying Mail, Calendar, ToDos, websites, etc.)
- Column orders of views and folders (i. e. if the Date column in the \$Inbox folder gets dragged to the very front by a user)

To roam these settings anyway panagenda provides two agents which can be configured to only roam what's desired by setting some MC references.

Please note that these references can also be combined to i. e. roam toolbars and layouts but not column orders, etc.

The location for downloading said agents is mentioned further down in this article.

1) Configuring the agents to roam the desired settings

This is done by creating an INI action which is writing specific MC references for the agents to read. The following settings are available and we recommend to always set all of them to their desired values to be most flexible.

mc:bmroam_layouts_enabled= true or false - for custom homepage layouts in bookmark.nsf
(creates bm_roaming_layouts.dxl export file for roaming)

mc:bmroam_toolbars_enabled= true or false - for custom toolbars and smarticons
(creates bm_roaming_outlines.dxl export file for roaming)

mc:bmroam_docs_enabled= true or false - for (Mail database related only) config documents in bookmark.nsf (e.g. column orders in mailfile)

mc:bmroam_docs_all_dbs= true or false (default) - for config documents in bookmark.nsf (column orders in all databases) - requires setting **mc:bmroam_docs_enabled**=true

(is not creating .dxl export files but is creating a small local database as a document container - "mc_exporter.ns7" / "mc_exporter.nsf" for roaming these documents)

mc:bmroam_no_ODS43= true or false (default) - creates the document container either in ODS43 (mc_exporter.ns7) (default) or in the clients version (mc_exporter.nsf). HINT: check your backup / roaming actions to have the correct filename: 'mc_exporter.ns7' or 'mc_exporter.nsf'

mc:bmroam_bm_history_enabled= true or false (default) - for links out of the bookmark.nsf history

INI action example on how to set some of the above settings properly

START			LOGIN			User Interface					
Before Login (BL)			After Login (AL)			Whilst Client is up and running			Client S		
BL Init	Before Login	ExitNotes	Before DL	Before Sync	Before Roam	After Login	After Write	Backgr. Init	FSAC	Backgr.	Shu
<input checked="" type="checkbox"/> Persistent <input type="checkbox"/> Once only <input type="checkbox"/> Once a day only <input type="checkbox"/> Once from start to end <input type="checkbox"/> Limit # of exec.:											
Remarks:											
Target: <input checked="" type="radio"/> Notes.ini / MC Variables <input type="radio"/> .ini file without section <input type="radio"/> XML <input type="radio"/> MS .ini file (Windows only) <input type="radio"/> Custom .ini file <input type="radio"/> JSON											
Direct Input: <input type="checkbox"/> Enable (additional) direct input											
MC- and User-variables must be set permanently for them to be accessible at every run. Please ensure, that the below notes.ini entries are not managed by Domino Policies and MarvelClient at the same time.											
Where?	What?	entry - name (= entry - value)	When?								
MC	Change	bmroam_toolbars_enabled = true	Always								
MC	Change	bmroam_layouts_enabled = true	Always								
MC	Change	bmroam_docs_enabled = true	Always								
MC	Change	bmroam_docs_all_dbs = false	Always								
MC	Change	bmroam_no_ODS43 = true	Always								
MC	Change	bmroam_image_resources_enabled = true	Always								
MC	Change	bmroam_bm_history_enabled = true	Always								

Don't forget to set the INI action to run "persistent" on the When-tab!

2) Extend your backup action to include the additional export files in the MarvelClient backupset

Depending on what you want to roam, you will need to include the following files in the backupset (all from the <mc:working_directory>\temp directory):

- bm_roaming_index.dxl**
- this must be included in all cases!
- bm_roaming_layouts.dxl**
- if you want to roam custom homepage layouts from the bookmark.nsf
- bm_roaming_outlines.dxl**
- if you want to roam custom toolbars and smarticons

Note:

To roam above mentioned config documents for column orders, you need to include the following file in the backupset (from the <notes: data_directory>):
mc_exporter.nsf

Backup action example on how to include the additional export files in the backupset

Zip	Dir+filename	zip each file separat
Source directory	<mc:temp_directory>	
Source- Filename(s)/-pattern	bm_roaming_index.dxl bm_roaming_outlines.dxl bm_roaming_layouts.dxl	
Zip	Dir+filename	<input checked="" type="checkbox"/> Keep source filer
Source directory	<notes:data_directory>	
Source- Filename(s)/-pattern	mc_exporter.nsf	

3) Extend your roaming action to roam back the additional export files from the MarvelClient backupset

Depending on what you want to roam, you will need to include the corresponding files in your roam back action to be put into the proper location for import.

All files need to be put into <mc:working_directory>\roaming

Roaming action example on how to roam back the additional export files from the backupset

Restore	Filename(s)	Directory
Filename(s)	bm_roaming_index.dxl bm_roaming_outlines.dxl bm_roaming_layouts.dxl mc_exporter.nsf	<mc:working_directory>\roaming

4) Create a RunAgent action to execute the Roaming enhancement EXPORT agent (DXLRAWExport)

Both, the Export and Import Agents are provided by panagenda free to use for any MarvelClient Roaming customer. They're part of the agents that come with the MC Analyze database design.

In the agent action which is described as followed, please select the MC Analyze database from one of your Domino servers and pick the DXLRAWExport agent from the list:

Select Agent

Please select an agent from the list below:

Aboutlagnt_about

DXLRAWExportlagnt_roaming_Export

DXLRAWImportlagnt_roaming_Import

M0. Open MarvelClient Helplagnt_open_help

M1. Reset IsAudited State

M2. Reset Checksum

M3. Set Authors and Readers to [Admin] only

M4. Remove Deletion Flag

M5. Collect support datalagnt_support

M6. Special Cleanup

M7. Remove user_* fields\1. From selected upload docs\lagnt_remove_u

M7. Remove user_* fields\2. From all upload docs\lagnt_remove_user_fi

MarvelClient Upgrade: After New Mail Arrives

ParseRevisionXML

X. Addon Collect Mail Archive Details

X. Addon INVENTORY: Collect HW Details

X. Addon PERNAB: Collect LocalNamesDetails

X. Files\001 Extract All Files

X. Files\001 Extract Rev0 Files

X. LicenseChecklagnt_license_check

Y. Postprocessingla_postprocessing_ui

Z. panagenda\Y. DXL Export

(Audit All)la_audit

(Before New Mail Arrives - MarvelClient Upgrade)la_before_new

OK

Cancel

RunAgent action example on how to execute the EXPORT agent at Notes shutdown

Click on cells to en/disable

Run On Reference Only

Allow unsupported runtypes

START

LOGIN

User Interface

E

Before Login (BL)

After Login (AL)

Whilst Client is up and running

Client S

BL Init

Before Login

Exit Notes

Before DL

Before Sync

Before Roam

After Login

After Write

Backgr. Init

FSAC

Backgr.

Shut

Persistent

Once only

Once a day only

Once from start to end

Limit # of exec.:

Search for replica on different server

Server:

cronus/panagenda

Filepath:

panagenda\analyze_dev.nsf

Replica-ID:

C1257699:00096850

Source Agent

Select existing Agent

Open Agent list of source database in designer

Check for Update

Source-DUID:

F36C4567C0F0A817C12582C2003FF173

Copy DUID:

D598BA77FA2C0CC4C1258765004BD8DB

Agent Name:

(DXLRAWExport)|(agnt_roaming_Export)

Last modified:

05.10.2021 12:00:45

...by:

CN=ralf frieauff/O=panagenda

5) Create a RunAgent action to execute the Roaming enhancement IMPORT agent (DXLRAWImport)

See 4) on how to obtain this agent from panagenda

Create a Run Agent Action to run at "After login - After Write" and import the agent "DXLRAWImport" as described in 4) from the MC Analyze database. Make sure to pick the DXLRAWImport agent this time!

RunAgent action example on how to execute the IMPORT agent at Notes start

Click on cells to en/disable Runtypes & Repeat ☐ Run On Reference Only
☐ Allow unsupported runtypes

START		LOGIN		User Interface						END
Before Login (BL)		After Login (AL)						Whilst Client is up and running		Client Shutdown
BL Init	Before Login	ExitNotes	Before DL	Before Sync	Before Roam	After Login	After Write	Backgr. Init	FSAC	Backgr.
★ Persistent		ⓘ Once only	⚡ Once a day only	🕒 Once from start to end		<input type="checkbox"/> Limit # of exec.:				

Server: **cronus/panagenda**
Filepath: **panagenda\analyze_dev.nsf**
Replica-ID: C1257699:00096850

Source Database

Search for replica on different server

Source-DUID: E0B1B6613A97470FC125845D00243F57
Copy DUID: 2D8F68C9A7F8150DC1258765884BF1E2
Agent Name: (DXLRWImport)|(agnt_roaming_Import)
Last modified: 05-10-2021 10:54:08
...by: CN=ralf frieauff/O=panagenda

Source Agent

Select existing Agent Open Agent list of source database in designer

Check for Update

Additional Hints:

- Column sorting settings (i. e. newest mail on top of a view/folder) is natively roamed as of MarvelClient version 4.0
- "Search this view" pane and some of its settings is natively roamed as of MarvelClient version 4.5

Please contact support@panagenda.com in case you're not using the latest MC version yet

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