

MarvelClient™

Optimizing IBM Notes on Citrix

A panagenda Guide



OPTIMIZING IBM NOTES ON CITRIX

This document describes various detailed steps known to optimize client performance of an IBM Notes MULTI-USER CONFIGURATION on Citrix as of IBM Notes releases [8.5 to 8.5.3 FP2].

A special thanks goes to Christian Henseler, who has contributed many of the below tips.

Note that the following recommendations may not be applicable for future IBM Notes releases.

Also note that you should test the below configuration first in your (test) environment before rolling the changes out into production.

*Last but not least, where applicable in below instructions, %NOTES PROGRAM% refers to the IBM Notes Program directory (where *notes.exe, nlnotes.exe, nnotes.dll* etc. are stored).*

%NOTES_PROGRAM%\framework\rcp\deploy\jvm.properties

SEARCH FOR

▶ **jvm.shareclasses.loc=**

As of release 8.5, this points to `${rcp.data}/.config/org.eclipse.osgi`

CHANGE THIS TO:

▶ **jvm.shareclasses.loc=c:/temp/xpdplat**

Adjust the path `c:/temp/xpdplat` as needed – all users then share ONE cache file, rather than build one each in their data directory!

Also, the following line added (if missing):

▶ **vmarg.Xnolinenumber=-Xnolinenumber**

%NOTES_PROGRAM%\framework\rcp\rcplauncher.properties

REMOVE

▶ **config.system.2=\${rcp.home}/rcp/systemdata**

▶ **config.system.1=-data**

NOTE: the line `rcp.install.id=133154848636` MUST BE THE SAME ACROSS ALL CITRIX SERVERS!

DO NOT COPY THE ABOVE LINE AS IS, BUT CHOOSE FOR ONE of your existing `rcp.install.id` in YOUR ENVIRONMENT and clone it across your Citrix servers!

%NOTES_PROGRAM%\framework\rcp\deploy\jvm.properties

Ensure that the following default parameters are set:

▶ **vmarg.Xmx=-Xmx256m**

▶ **vmarg.Xms=-Xms64m**

`%NOTES_PROGRAM%\framework\rcp\systemdata\.config\ args.properties`

REMOVE

- ▶ `arg4=-config`
- ▶ `arg5=system`

`%NOTES_PROGRAM%\framework\rcp\eclipse\features\ com.ibm.rcp.portal.feature_6.2.3.20110915-1350\handler.properties`

COMMENT OUT

- ▶ `exec.command.win32x86="{plugin.dir}\\${plugin.dir.com.ibm.rcp.ca.utils}\\register
_ca.bat" "${rcp.home}" "${plugin.dir}\\${plugin.dir.com.ibm.rcp.ca.utils}\\
register_ca.reg"`

`%NOTES_PROGRAM%\framework\rcp\eclipse\features\ com.ibm.portal.feature_6.2.3.20110915-1350\handler.properties`

COMMENT OUT

- ▶ `#exec.command.win32x86="{plugin.dir}\\${plugin.dir.com.ibm.portal}\\
register_cai_url.bat" "${rcp.home}" "${plugin.dir}\\${plugin.dir.com.ibm.portal}\\
cai_register.reg" "${product.install.dir}" "${plugin.dir.com.ibm.portal}"`

`[IBM Notes Shared Data Directory]\Lotus\Notes\Data\notes.ini`

ADD

- ▶ `Ports=TCPIP`
`#enable port TCPIP`
- ▶ `TCPIP=TCP,0,15,0`
`#set port to NOT use compression or encryption`

▶ **DISABLE_CLIENTRECORD=1**

#DISABLE logging into public addressbook person document of who is using which machine since it would create one record as per citrix server!

▶ **log=,1,0,7,40000**

#disable logging (slight performance improvement – might want to remove this again)

▶ **CREATE_R85_DATABASES=1**

%NOTES_PROGRAM%\mc.dll

REPLACE UPXPACKED (DEFAULT) **MC.DLL** with UNCOMPRESSED DLL
(this can be obtained from panagenda support)

REGISTRY

Make sure that the following entries are set in registry:

▶ **HKLM\Software\Lotus\Notes\MultiUser=0x000001**

▶ **HKLM\Software\Lotus\Notes\8.0\MultiUser=0x000001**

TEMPLATES IN IBM NOTES SHARED DATA DIRECTORY

Compact all templates in shared data as follows:

a) TEMPORARILY copy the root *notes.ini* (as changed in above steps!) from the shared data directory to the Notes program files directory

b) open *cmd.exe*

c) run *FullPathToNotesProgramDir\ncompact.exe -ODS -* FullPathToNotesSHAREDdata*
IMPORTANT: The program directory **MUST** contain a *notes.ini* with **CREATE_R85_DATABASES=1**, hence step a.)

- d) DELETE the *notes.ini* copied in a.) (=the one in the program dir, NOT in the shared location)

When done, you can copy all templates over to other Citrix servers.

Last but not least, we strongly advise you to investigate the following CLIENT/DATA DIRECTORY housecleaning options from time to time on clients – naturally, panagenda MarvelClient makes this easy:

- a) clean out (\$Policies) views in (client) *names.nsf* once (only do this upon analysis of startup times; contact panagenda support for details)
- b) compact desktop
- c) compact *names.nsf*
- d) compact *desktop8.ndk*
- e) compact *bookmark.nsf*

That's it!

NOTES:

