

**Everything You Always
Wanted to Know
About Notes.ini But
Were Afraid to Ask**

LSBG Vårseminar 2009 - Gregory Engels, Kompurity

About me

Gregory Engels

Born in Moscow, live in Frankfurt, Germany since 1989

Been around Lotus Notes since 1998

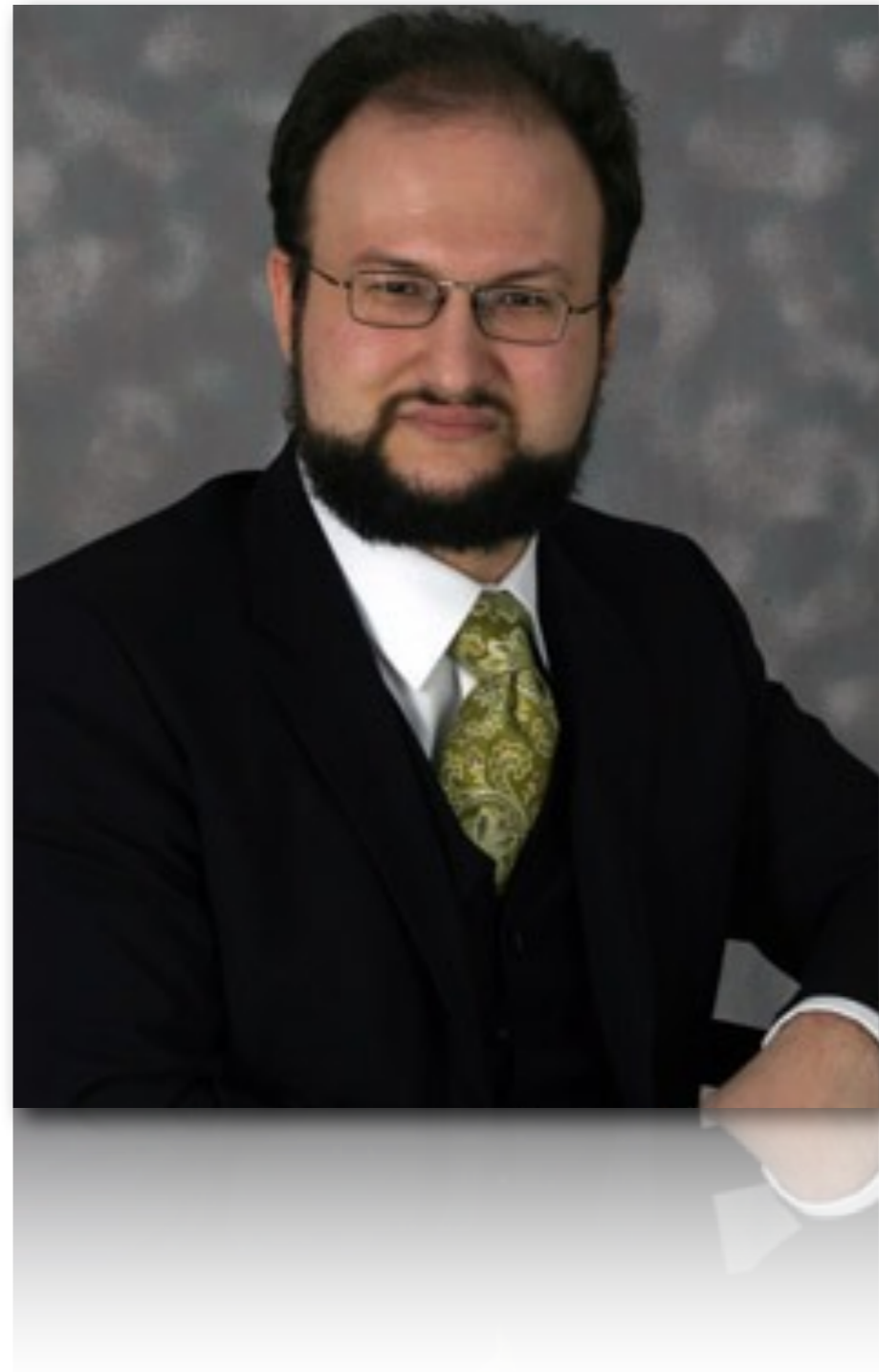
Advanced Certified Domino Developer and Admin and Security R5, R6, R7, R8

Co-Author  **Redbook** "Migrating Microsoft Exchange 2000/2003 to IBM Lotus Notes 7"

Founder Kompurity <http://www.kompurity.de>

Specialize in Hosting, Infrastructure management

- Blog: <http://inotes.de>



10 Ways to Distribute Notes.ini Settings

Distribute Settings I

- Using Lotus Script:
 - `NotesSession.SetEnvironmentVar(„Setting“, „Value“, true)`
- If True, no dollar sign character ("\$\$") is prepended to the variable name. Defaults to False.

Distribute Settings 2

- Using Formula language:
 - `@SetEnvironment(variableName ; value)`
- Prepends `$`-Sign
- There are also `@Environment` and `ENVIRONMENT`, which are basically doing the same

Distribute Settings 3

- Using Java:
 - `Session.setEnvironmentVar(„Setting“,“Value“, true)`
- If True, no dollar sign character ("\$\$") is prepended to the variable name. Defaults to False.
- wow, it's the same like Lotusscript

Distribute Settings 4

- Using C-API

```
#include <osenv.h>
```

```
void LNPUBLIC OSSetEnvironmentVariable(  
    const char far *VariableName,  
    const char far *Value);
```

Distribute Settings 5

- Using Desktop Policy Settings Document
- Create a new field with the designer in the names.nsf
- Name it \$PrefSettingname
- Assign a default value - this will be the value for the setting
- Settings with a max of 32 characters

Distribute Settings 6

- OS Environment (Client and Server)
- `set NOTES_Setting_name=value`
- Overrides the notes.ini file
- deprecated, but still works

Distribute Settings 7

- Configuration Document
 - Use “*” Document for all Servers
 - Overrides Notes.ini file

Distribute Settings 8

- Using Server Console command
- `set conf Setting=something`
- use the “update” keyword - Updates the Configuration Document as well
- i.e. `set conf Server_Restricted=2 update`

Distribute Settings 9

- Use Domino Web Administrator
 - Configuration Tab >> Server >> Notes.ini file

Distribute Settings 10

- Manually edit the damn file!
- Never edit notes.ini on the server while the server is running
- Ytria's ScanEZ has a free Notes.ini editor build in (works also in the free version)

Warnings

- Do not try unknown / undocumented settings in your production environment (obvious, isn't it?)
- As I said, do not manually edit the notes.ini file while the Server / Client is still running (one day it will break everything badly)

Some More Info

- notes.ini exists since version 1
- there are more than 8000 settings
- only about 2300 are documented
- since release 6 settings are CaseSensitive

Some New Info

- On a Domino 8 Server you can use
 - show config tasks **-xml**
 - gives you the info if the setting is coming from the .ini file or from environment
 - **<ini name="servertasks".... />**
 - **<env name="servertasks".... />**

Selected Settings

The Longest

- The longest undocumented setting is 54 characters long
- Adminp_Manage_Folder_On_Web_Delegate_Disable (44)
- 8.0 – disable the new feature of managing shared folders for delegates (on the web)

Somewhat shorter

- iNotes_WA_NamePickerSearchAccentInsensitive (43)
- Distinguish between „Müller“ and „Muller“ (changed in R7)

The Shortest

- $\text{Log} = \log.\text{nsf}, 1, 0, 7, 40000$
- The last two parameters are number of days and the size of a log document (in words)

DAOS

- DAOSEST_BUCKETS=16,32,64,128,256,512,1024,2048,4096,8192
- Set the sizes to test for the DAOS estimator. Has to be 10 values

0.0 KB will result in	4134662 .nlo files using	581.7 GB
16.0 KB will result in	3077138 .nlo files using	579.2 GB
32.0 KB will result in	2554739 .nlo files using	573.4 GB
64.0 KB will result in	1898978 .nlo files using	559.1 GB
128.0 KB will result in	1350870 .nlo files using	535.5 GB
256.0 KB will result in	929121 .nlo files using	499.6 GB
512.0 KB will result in	594687 .nlo files using	443.4 GB
1.0 MB will result in	330537 .nlo files using	353.5 GB
2.0 MB will result in	153854 .nlo files using	233.8 GB
4.0 MB will result in	50974 .nlo files using	98.9 GB

For Admins...

- `ENABLE_SRVCFG_NAB_UPDATE=1`
- Auto updates the configuration document if you issue an “set configuration” console command

Admins - 2

- `Server_Restricted = 1`
- Only Admins are allowed on the server
- new Database Open requests will failover
- set =2 to retain it till after the server restart

Admins - 3

- `Allow_Access_<portname>`
 - i.e `Allow_Access_tcp2=localadmins`
 - you can have an dedicated port only for you! (or the CEO)

Admins - 4

- `Server_Upgrade_No_Directory_Redesign=1`
- Do not automatically upgrade NAB design (you better do it yourself, right?)

Admins - 5

- Log_Mailrouting=10
 - Logs only errors
 - default is 20, verbose is 40
 - 0=20

...More for Admins - 6

- `converter_log_level=10`
- Stop „Begging MIME to CD Conversion“ messages

Admins Favorite - 7

- `Log_Sessions=0`
- makes the console readable :-)

Admins Favorite - 8

- `Update_No_Fulltext=1`
 - Disables Fulltext for the whole Server
 - in versions <7.0.2 Lotuscript `db.UpdateFTIndex` still worked

Admins Favorite - 9

- `Server_Transinfo_Range`
- Tunes the *Availability Index* for faster machines
- Go, read the technote #1164405 - Daniel can fill an entire session just on this

Admins Favorite - 10

- HidePromptFailoverInc=1
 - works only since 8.0.1
 - do not prompt user to switch replicas if a server becomes unresponsive
 - suppressing the prompt does not prevent Notes failing over

Admins Favorite - I I

- Cluster_Admin_On=1
- works on not clustered servers as well
 - CL DEL filename (cluster delete)
 - CL COPY source dest REPLICA
 - CL OUT database (out of service)
 - CL IN database (in service again)

Admins Favorite - 12

- `DEBUG_USE_SYS_VAR=1`
 - needed for release > 8.0 for making notes.ini settings that came from the os environment work
 - i.e. `set Notes_ExtMgrAddin=zip.dll`

The Alien

- TCP_EnableIPv6
 - Set this on Client and Server to enable IPv6
- NoExternalApps
 - Disable nearly everything
- OEMClient=1
- NoMouse=1

Security

- `Enable_ACL_Files=1`
- `SECURE_DISABLE_FULLADMIN`
- `HTTP_Pwd_Change_Cache_Hours`

Troubleshooter

- Debug_Console=1
- Debug_Outfile=file
- Client_Clock=1
 - Enables the Debug Console on the client

Troubleshooting 2

- `Debug_Initterm=1`
- `DebugSigChild=1`
 - Writes messages when child processes quit
- `Debug_ThreadID=1`
 - Writes the threadId Number to every log output

...More Troubleshooting

- Display_MessageID=1
Display_MessageSeverity=1
- { nRnRMgr:#33 | 4:00 } 06/05/2008
01:53:04 PM Rooms and Resources
Manager started

Thank You!

- Please fill out the evaluation (so I can get back next year)
- Contact: Gregory.Engels ✖ kompurity.de
Blog <http://inotes.de>
twitter: dichter
XING, Linked-In, Facebook, Plaxo, etc...

Reference

- Rudi Knecht has a replicable Database
 - <http://www.admincamp.de/notesini/name?openview>
- Developer Works Notes.ini reference
 - <http://www-128.ibm.com/developerworks/lotus/documentation/notes-ini/>
- DRC Consulting
 - <http://www.drcc.com>
- ProfessorINI
 - <http://www-10.lotus.com/idd/today.nsf/profini?OpenView>⁴⁰