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De Reehorst Ede

GroupWise 8 Upgrade op Netware & Linux in 45 minuten

saNder Visser & Erno de Korte

saNder Visser

- SaNder is mede oprichter van ProGenia
- Dienstverlener in de IT
- Met name gericht is op het MKB
- Specialisatie GroupWise
- Ruim een decennium technische kant
- Ook de gebruikerskant heeft zijn aandacht
- Gerichte trainingen aan gebruikers



Erno de Korte

Consultant & trainer

- Master Certified Instructor
- Master Certified Engineer
- MCSE and MCT as well
- Technical University Delft

Author & Speaker

- BrainShare USA, Europe & Africa
- GroupWise Summit The Hague & Las Vegas
- Contribution to the "**GroupWise 6.5 Admin Guide**" on "**Secure Messaging**"
- One of two writers of the "**GroupWise 7 Admin Guide**"
- Author of "The GroupWise Powerguide"
- Articles about PDA's in several magazines

Promotor & Coordinator

- **GroupWiseR** -> **Open Horizons**
- EMEA Tour & EMEA Summit
- Connecting 1000's Novell experts in EMEA



Uitgangspunten

- Bestaande omgevingen
 - Erno: NetWare 6.5 SP7 - GroupWise 7.0.3
 - ITMC-Domain + ITMC-PO + GWIA + WebAccess
 - saNder: SLES10 SP1 OES 2 - GroupWise 7.0.3
 - ITMC-Domain + ITMC-PO + GWIA + WebAccess
- Gewenste situatie
 - GW8.0 met HP1 - de SP1 komt in de zomer?
 - Upgrade van domein + post office + GWIA
 - NetWare: geen setup wizard, maar het goed oude handwerk
 - Best practice: oude WebAccess verwijderen en nieuwe versie installeren

GroupWise 8

- GroupWise Administration
- GroupWise Agents
- GroupWise Client
- GroupWise Internet Agent
- GroupWise WebAccess
- GroupWise Monitor

New:

- GroupWise Calendar Publishing Hosts

GroupWise 8 Administration

- Distribution List Administration
- Global Signatures
- User Move Pending Items
- Address Book Delta Sync
- Client Options Enhancements
 - Windows Client Appearance Defaults
 - Messenger Integration
 - Limits on Caching/Remote Mailboxes
- More Flexibility with Preferred E-Mail IDs
- Refresh Views

GroupWise 8 Internet Agent

- Windows 2003 Server Support
- IPV6 Support
- Internet Agent High Availability
- Internet Agent Runs as Non-root User
- Internet Agent Exclusive Bind
- TCP/IP Links between the Internet Agent and the MTA
- Alternate Internet Agents
- Improved Spam Identification
- New Message Defer Interval Setting
- External Internet Message Threading

GWIA changes in 7.0.0 and 7.0.1 -> 8.0.0

- GWIA <-> MTA communication on IP'
 - Redundancy on GWIA
 - Activated by adding MTP port-number on GWIA object
- GWIA.CFG parameters -> WPDOMAIN.DB
 - Change Database Version to "8.0.0" if not done automagically
 - Modify one of the GWIA.CFG properties from the GWIA.CFG, like RD or SD

Minimum Server Requirements

- NetWare 6.5 or OES-Netware
 - My experience: - minimum SP5
 - Apache 2.0
 - Tomcat 4.1 + JVM 1.4.2 + Jakarta Connector 1.2 or later
- Linux - GW8 is only supported on SLES 10 or OES2 !!!
 - Apache 2.2
 - Tomcat 5 + JVM 1.4.2 + ModProxy Module
- Windows Server 2003/2003 R2
 - Microsoft Internet Information Server (IIS) 6
 - Tomcat 5.5 + JVM 1.5 + Jakarta Connector 1.2 or later
- Windows Server 2008
 - Microsoft Internet Information Server (IIS) 7
 - Tomcat 5.5 + JVM 1.5 + Jakarta Connector 1.2 or later

How does upgrade work?

- Domain database is RECOVERED by MTA's administrative thread and CONVERTED to the new version
- MTA must be at GW8
- DC files (dictionary) in domain must be at version 8

Upgrading

- Consider what to do with SDD (GroupWise 6.5 or 7.0) -> Rename to "software.old" or keep?
- Create new SDD with GW 8 files -> "software" or "software.800"
- Check ConsoleOne version
use or 1.3.6h shipped on DVD or download.novell.com
- Extend eDirectory/NDS schema when needed (GroupWise 5.x) by using ..\admin\install.exe
- Install GroupWise 8 C1 snapins (C1 locally and sys:public) by using ..\admin\install.exe or by copying them manually from the ..\admin\c1admin directory. This has to be done for all domains (primary and secondary) domains

Prepare Upgrade of Primary Domain

- Unload MTA
- Confirm that no other process has "wpdomain.db" open
- Create a copy of "wpdomain.db"
(e.g. "wpdomain.1")
- Start ConsoleOne
- "Recover database"
- "Validate database"
- Create second copy of "wpdomain.db"
(e.g. wpdomain.2")
- Disable GroupWise snapins for NWAdmin
(rename "gwadmnb32.dll" to "gwadmnb32.old")

Upgrade the Primary Domain

- Copy .dc files in ..\domain (SDD) directory to root of domain directory
- When using automated procedure
 - Run "*Install*" to install GroupWise agents
 - Netware: Overwrite or append "*grpwise.ncf*" (!), or create new file called "*grpwise1.ncf*", update AUTOEXEC and "*Launch GroupWise agents now*"
- Verify recovery of wpdomain.db
 - Go to MTA's console screen (on Netware or Linux - if interactive)
 - Select F10 (Options, Admin Status) - status: recovering
- Confirm that primary domain is upgraded in C1

Prepare Upgrade of Post Offices

- Unload POA
- Confirm that no other process has "wphost.db" open
- Make backup of "wphost.db" (e.g. "wphost.1")
- Start ConsoleOne
- Rebuild
- Make second backup of "wphost.db" (e.g. "wphost.2")

Upgrade Post Offices

- Copy .dc files in ..\po (SDD) directory to root of post-office directory
- When using automated procedure
 - Run "*Install*" to install GroupWise agents
 - Netware: Overwrite or append "*grpwise.ncf*" (!), or create new file called "*grpwise1.ncf*", update AUTOEXEC and "*Launch GroupWise agents now*"
- Confirm post office is upgraded in C1 - "Database Version"
- Upgrade post office .view files:
 - Copy all files from <SDD>..\client\ofviews\win\ in
 - To..\ofviews\win directory of your post office

Prepare Upgrade

- Consider to rename SDD (GroupWise 6.5 or 7.0) -> "software.old"
- Create new SDD with GroupWise 8 files -> "software" or "software.800"
- Check ConsoleOne version (use 1.3.6h as shipped on DVD) or download.novell.com
- Extend eDirectory/NDS schema when needed (GroupWise 5.x) by using ..\admin\install.exe
- Install GroupWise 8 C1 snapins (C1 locally and sys:public) by using ..\admin\install.exe or by copying them manually from ..\admin\c1admin directory. This has to be done for all domains (primary and secondary) domains

Upgrade Primary Domain

- Preparation:
 - Unload MTA
 - Confirm that no other process has "wpdomain.db" open
 - Create copy of "wpdomain.db" (e.g. "wpdomain.1")
 - Start ConsoleOne
 - "Recover database"
 - "Validate database"
 - Create second copy of "wpdomain.db" (e.g. wpdomain.2")
 - Disable GroupWise snapins for NWAdmin (rename "gwadmnb32.dll" to "gwadmnb32.old")
- Copy.dc files in ..\domain (SDD) directory to root of domain directory

- Run ..\agents\install.exe to install GroupWise agents to sys:system
- Overwrite or append "grpwise.ncf" (!), or create new file called "grpwise1.ncf", update AUTOEXEC and "Launch GroupWise agents now"
- Verify recovery of wpdomain.db by going to MTA's console screen and selecting F10 (Options, Admin Status) - status: recovering
- Confirm that primary domain is upgraded in C1

Upgrade post offices

- Preparation:
 - Unload POA
 - Confirm that no other process has wphost.db" open
 - Make backup of "wphost.db" (e.g. "wphost.1")
 - Start ConsoleOne
 - "Rebuild"
 - Make second backup of "wphost.db" (e.g. "wphost.2")
- Copy.dc files in ..\po (SDD) directory to root of post-office directory
- Run ..\agents\install.exe to install GroupWise agents to sys:system
- Overwrite or append "grpwise.ncf" (!), or create a new file called "grpwise1.ncf", and "Launch GroupWise agents now"
- Confirm that post office is upgraded by checking "Database Version" in C1
- Upgrade post office .view files by copying all files in ..\client\ofviews\win\ to ..\ofviews\win directory of your post office

Manual Upgrade of GWIA on Netware

- Copy files from directory:
..\internet\gwia\nlm\exe -> ...\....\system
- Copy files from directory:
..\internet\gwia\nlm\ldap -> \\server\sys\system
- Copy files from directory:
..\internet\gwia\nlm\root -> ...\.domain\wpgate\gwia
- Review gwia.cfg with regards to new switches in GW8 and new layout of gwia.cfg!
- This should also be the moment to get rid of the gateway aliases!

Let's do this now!

Netware

- Erno: manual copy method

Linux

- saNder: Linux install method

Windows

- All: Remove Exchange & Run "*Install*" wizard.

Netware versus Linux

- Upgrade C1 nieuwe GW8 snapins
 - Agents & Gateways ontladen
 - Verwijderen WebAccess
 - System Maintenance
 - eDirectory Schema Check (moet met nieuwe GW8 snapins!)
 - MTA + POA NLM's kopiëren met language files en LDAP check
 - DC files -> domain + po dir
 - Copy SDD + view files
 - Copy GWIA + WebAccess agent
 - MTA opstarten - versie check C1
 - POA opstarten - versie check C1
 - GWIA opstarten - klaar!
- Upgrade C1 nieuwe GW8 snapins
 - Agents & Gateways ontladen
 - Verwijderen WebAccess
 - System Maintenance
 - eDirectory Schema Check (moet met nieuwe GW8 snapins!)
 - Start "*Install*" = upgrade van alles (agents + gateways)
 - Aanmaken SDD + check view files
 - MTA opstarten - versie check C1
 - POA opstarten - versie check C1
 - GWIA opstarten
 - Niet klaar!
 - Herstart?!

Upgrade - DIY or "out-sourced"

Zelf-doen is goed mogelijk:

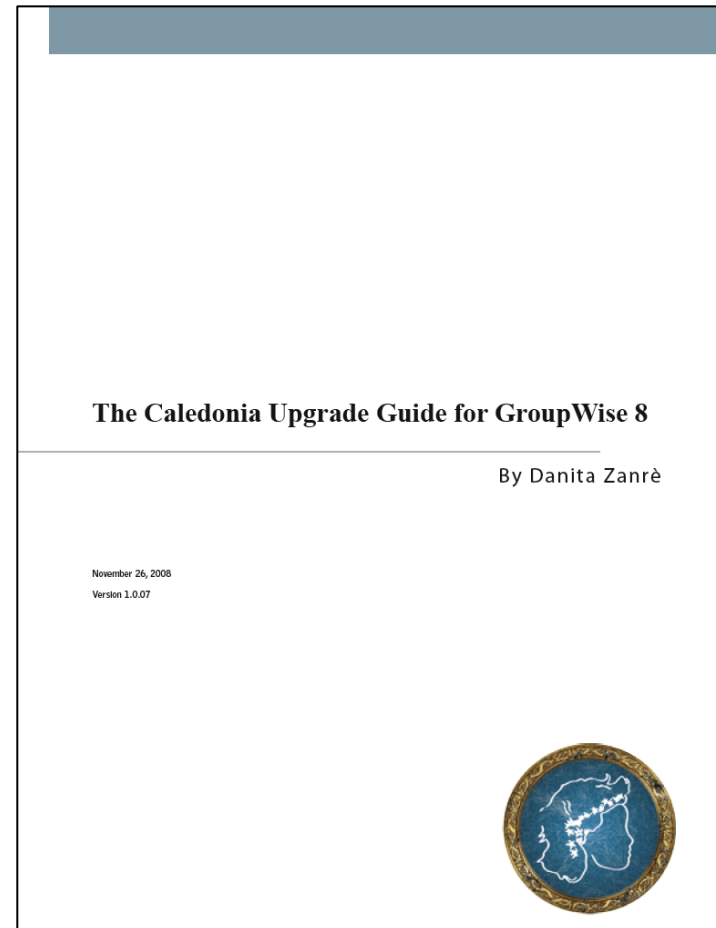
- Upgrade guide Caledonia
- Upgrade Training (incl. guide)

Wat als het toch nog misgaat?

- Novell support
- Novell forums
- Terugdraaien

Gebruik expertise van anderen

- Partners doen dit vaker
- Zijn dus voorbereid op alle eventualiteiten



Useful links

- eWeek article about GroupWise
www.eweek.com/c/a/IT-Infrastructure/Products-to-Watch-January-5-2009/
- What's next after GroupWise 8
www.novell.com/communities/node/6492/groupwise-next-what-we-are-working
- GroupWise 8 Upgrade Guide
www.caledonia.net
- List of things to solve in Service pack or Hot-Patch
http://www.novell.com/support/php/search.do?cmd=displayKC&docType=k&externalId=7001971&sliceId=1&docTypeID=DT_TID_1_1&dialogID=19285522&stateId=0%20%2019287215
- More news about Open Horizons community
www.open-horizons.net of www.open-horizons.nl

Vragen en antwoorden

