



IBM Lotus Domino 8.5

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Agenda

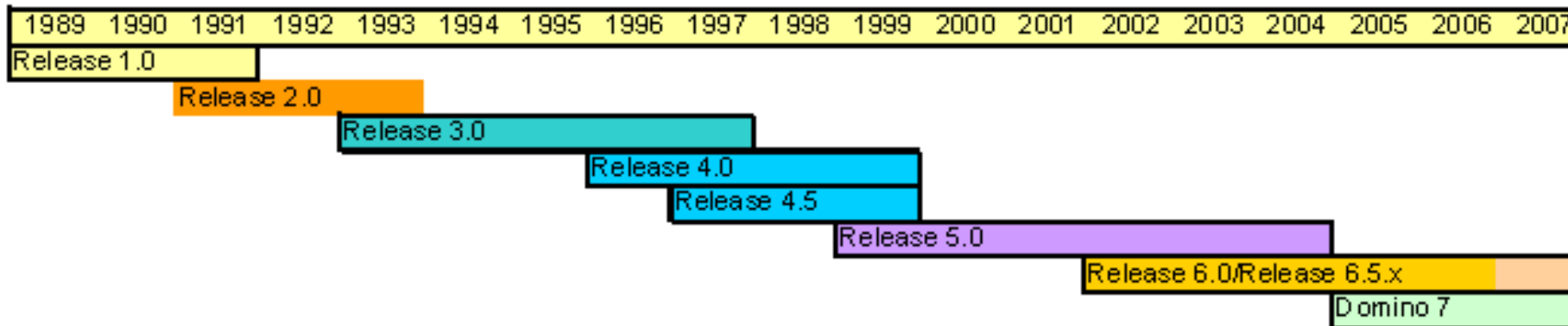
- 14:00-15:30 - Domino 8.5.x, TE ALISE 8.x
- 15:30-16:00 - Kafijas pauze
- 16:00-17:30 - OpenNTF, Domino Paretto princips 20/80,
- 17:30- Diskusija pie kafijas ☺

Introduction



- Vladislav Tatarincev
 - Lotus Notes experience from 1998, Release 4
 - IBM Dual Principal Certified Professional 5.x/6.x/7.x
 - IBM Lotus Certified Instructor 6.x/7x/8.x
- In TE ALISE since 2001
 - Senior Technical Expert
 - IBM Software department manager (Tivoli and Lotus brands)
- Experience
 - >40 Migration projects
 - Geo-Cluster project (Confidential Customer)
 - Performance Tuning projects
 - Technical Support (13'000 users, 70 servers)
 - Largest Project - 20'000 users, 29 servers all over the world

Domino history



- Domino 6 - released on 30.09.2002
- Domino 7 - released on 07.10.2005
- Domino 8 - released on 21.09.2007
- Domino 8.5 plānots uz Decembrī 2008.
- Domino 9 plānots uz 2010



Ray Ozzie

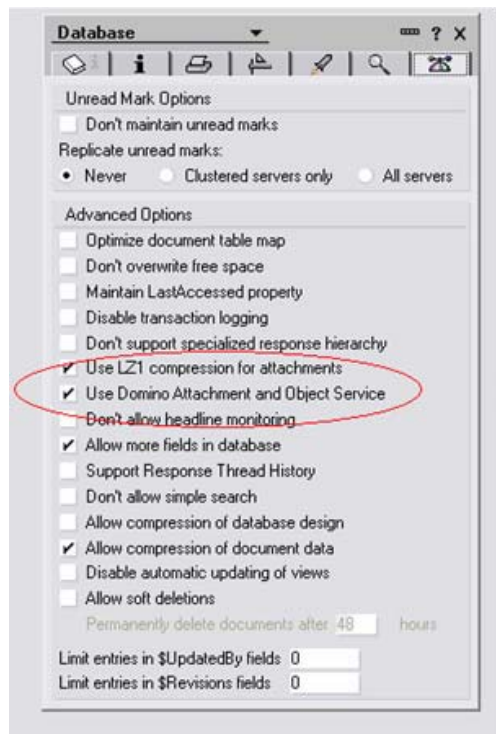
- Lotus Domino 6.5 EOL - 30.04.2009
- Lotus Domino 5 EOL - 30.09.2005
- <http://www-306.ibm.com/software/lotus/support/lifecycle/>



Domino 8.5 jaunas iespējas

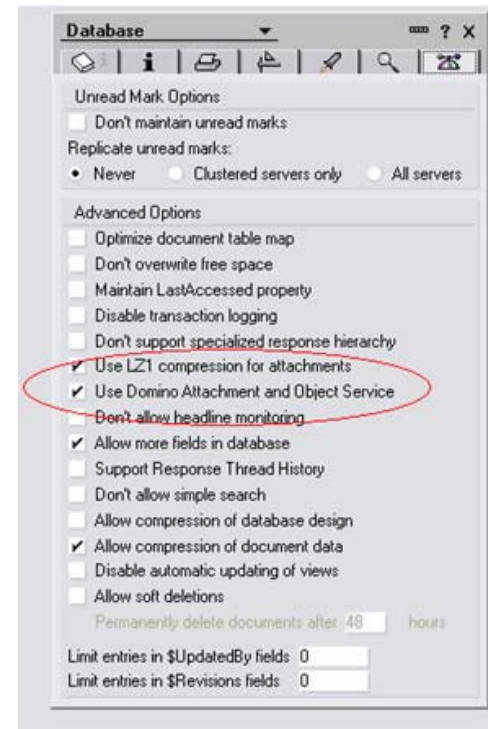
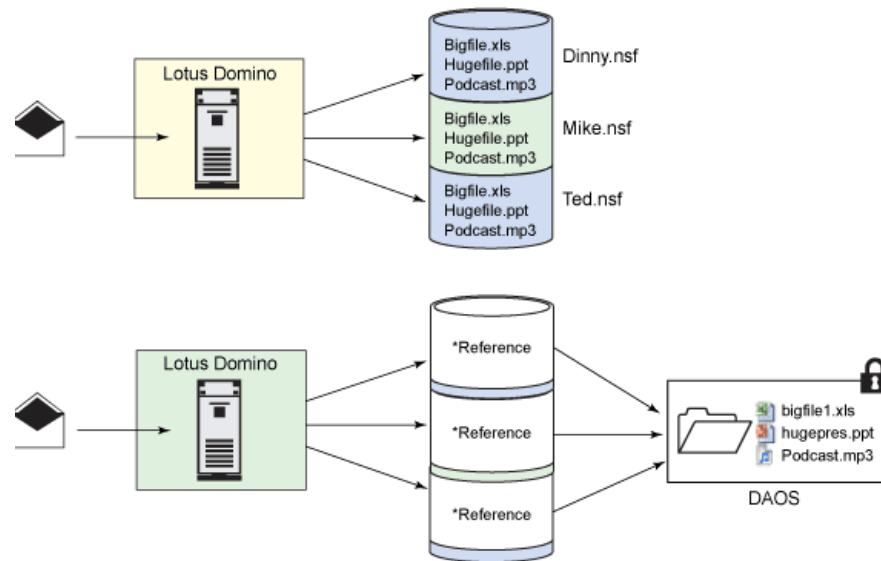
New ODS - 48/50

- Create_R85_Databases=1 (for Domino 8.5) 50
- Create_R8_Databases=1 (for Domino 8.x) 48



DAOS - Domino Attachment and Object Service

- Saves up to 30% of disk space
- Ir nepieciešams Transactional Logging
- DAOS ievēro QUOTAs
- Nav pieejams klientiem ar lokālām replikām



DAOS

- Dokumentos ir tikai norādes uz attachmentiem.
- Ir iespējams pārkonvertēt attachmentus esošajā datubāzē

Compact -c -daos on|off

- API neatkarīgs
- Compact operācijas 2-7 ātrāk
- 5MB attach, kas nosūtīts 12 cilvēkiem, tiek saglabāts vienu reizi, efektivitāte 92%!!!



Lotus Domino Storage Reduction Features

- LZ1 compression for attachments - now available via SMTP in 8.0
- On-Demand Sort Orders - 8.0
- Design document compression - 8.0
- Data document compression - 8.0.1
- Domino attachment and object storage - Domino 8.5



Lotus Domino 8.5 – DAOS FAQ Answers

- DAOS is local to the Domino server – not cross server
- DAOS requires transaction logging to be enabled on the Domino server and for participating databases
- DAOS requires a new database ODS version
- DAOS is API transparent
- DAOS objects count against quotas and are reported in the file size
- DAOS is completely different from and shares no code with SCOS!



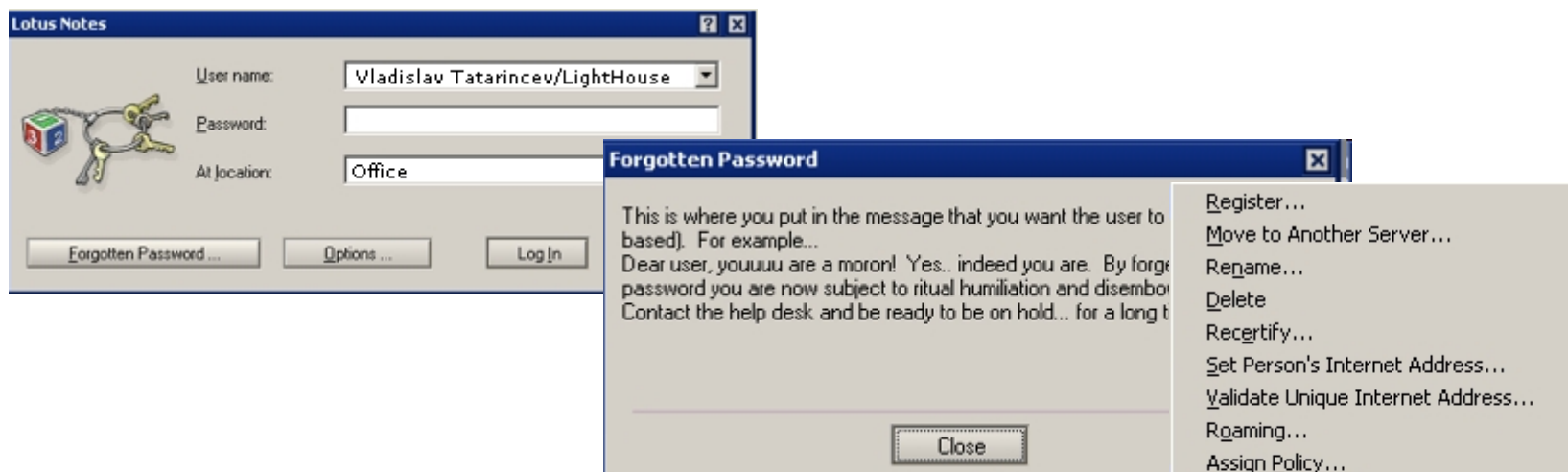
Lotus Domino ID Vault

Jauna Domino funkcionalitāte ļauj:

- attālināti pārvaldīt ID failus
- veikt paroles atjaunošanas operācijas
- auditēt atjaunošanas operācijas
- Sinhronizēt dažādas ID kopijas

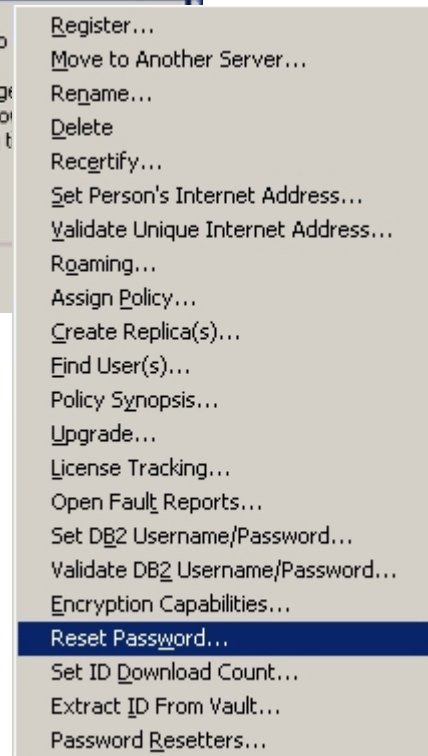
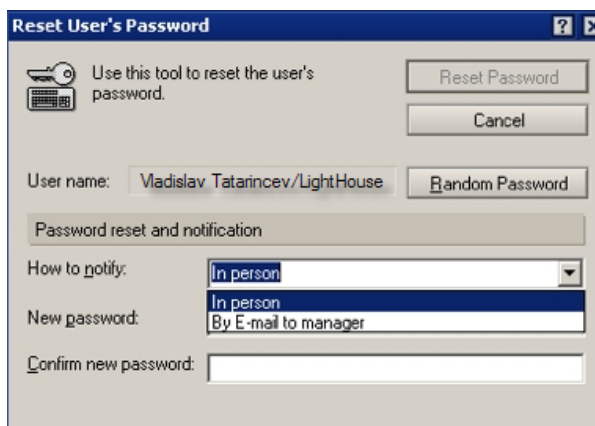


ID Vault How it works



- Šī funkcionalitāte ir pieejama

8.5 Beta 2



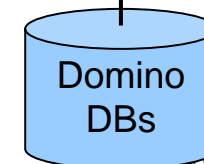
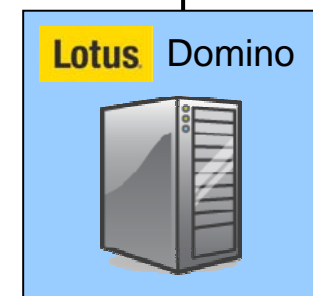
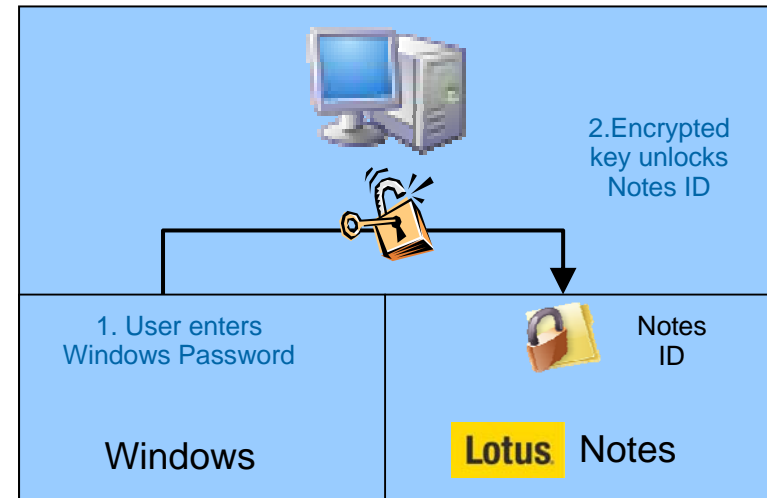
How Notes Single Logon works today (Notes 6+)

- Allows user to launch Notes without entering Notes password
- Windows service provider framework
- Enabled via User Security dialog
- Passwords are synchronized
- Common problems
 - Password policies for Windows and Notes may not line up well
 - Only synchronizes passwords changed on the local machine
- Notes Single Logon will continue to be supported with Notes 8.5 for backwards compatibility (with no changes)



Notes Shared Login in 8.5

- Windows authentication used in place of Notes user name/password
 - User signs on in Windows
 - Windows generates encrypted key to unlock Notes ID
 - No Notes password is required to start Notes
 - No passwords to sync
- Unlocked Notes ID still manages Notes security from that PC
- Password changes are only required in Windows



Domino configuration Tuner

- Ease the administrative tasks concerning misconfiguration that can lead to costly performance and security issues
 - Identify problems
 - Suggest potential solutions
 - Detect, analyze, and address potential problems before they're 'discovered'...
-
- Extends autonomic work introduced in Domino 6, 7, and 8
 - Design partner reaction to this feature: Strong positive

DCT - piemērs

Results For Server: **Ace/Iris**
 Total Tests Run: **4**

Severity	Count	Percentage
Fatal	0	0 %
Failure	0	0 %
Warning (High)	2	50 %
Warning (Low)	2	50 %
Normal	0	0 %
Exception	0	0 %

Note: Tests with exceptions may not have run to completion

Rule Execution Results for Ace/Iris
 grouped by severity, click for details [\[change this \]](#)

- [-] **Warning (High)**
 - DONT_CACHE_MONITOR_FORMULAS
 - RM_NO_LOG_OBJECTS_IN_MAILBOX
- [-] **Warning (Low)**
 - LOG_REPLICATION
 - MailLeaveSessionsOpen

Rule: Allowing 'RM_NO_LOG_OBJECTS_IN_MAILBOX' in NOTES.INI to remain absent or set to '0' will cause unnecessarily disk activity.

Server: Ace/Iris

Severity: Warning (High)

Explanation

The RM_NO_LOG_OBJECTS_IN_MAILBOX=1 setting in NOTES.INI will disable transaction logging of objects in mail.box, resulting in improved router performance when large emails are being sent. Notice that if a server goes down during the routing of a large email then that e-mail won't be in the transaction log for recovery. While RM_NO_LOG_OBJECTS_IN_MAILBOX=1 is the recommended configuration, any variation of this setting other than RM_NO_LOG_OBJECTS_IN_MAILBOX=0 should successfully disable the logging. Default: When transaction logging is enabled, then mail.box objects are logged. Technote 1181983 'Transactional Logger Backing up Mail in Mail.box'
<http://www-1.ibm.com/support/docview.wss?rs=899&uid=swg21181983>

Recommendations

Set RM_NO_LOG_OBJECTS_IN_MAILBOX=1 in NOTES.INI to reduce disk activity.

Links & References

[Technote 1227246 'Server crash results in only one request processed when two requests are sent'](#) (IBM/Lotus Technote)



Domino 8.5: Improve quality of service

- Domino Configuration Tuner (DCT)
 - Ease the administrative tasks concerning misconfiguration that can lead to costly performance and security issues
 - Identify problems
 - Suggest potential solutions
 - Detect, analyze, and address potential problems before they're 'discovered'...
- Extends autonomic work introduced in Domino 6, 7, and 8
- Design partner reaction to this feature: Strong positive

DCT-info

- Atsevišķa aplikācija (parastais .nsf)
- Savāc informāciju attalināti (read mode)
- Esošā infrastruktūra nav nepieciešams nekādas izmaiņas
- Viegli papildināma Best Practice Bāze
- Strādā ar Domino 7.x un 8.x serveriem

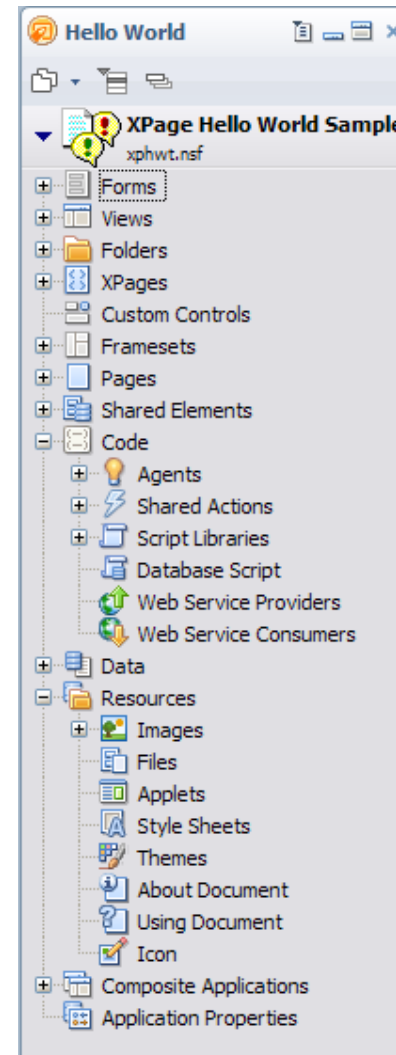
Direktorijas neatkarība

- Ir plānots ka 8.5.1, 8.5.2, parādīsies arī neatkarība no Direktorijas, lietotāji varēs autorizēties no LDAP direktorijas, (MS AD, LDAP, Novell etc).

DEVELOPMENT

Jauna izstrādes vide

- Eclipse bāzets Dizainers
- Jauni dizaina elementi



Revolution X-PAGES

- Lotus Notes 4-LotusScript
- Lotus Notes 8.5 X-Pages



X-Pages

- <8.5 Web izstrāde prasīja 3-4 vairāk laikā, nekā Lotus Notes.
- X-Pages koordināli maina WEB izstrādi
- Ātra Web izstrādes vide
- Atbalsta WEB 2.0 standartus
- Lotus Notes 8.5 standarta templeiti nāk ar Web 2.0 izskatu.

Lotus Notes 4.5 Web izskats

Discussion
WebAppdev Storyboard Discussion

New Main Topic Move to Trash EmptyTrash Search

[Previous Page](#) | [Next Page](#) | [First Page](#) | [Last Page](#) | [Expand](#) | [Collapse](#)

All Documents

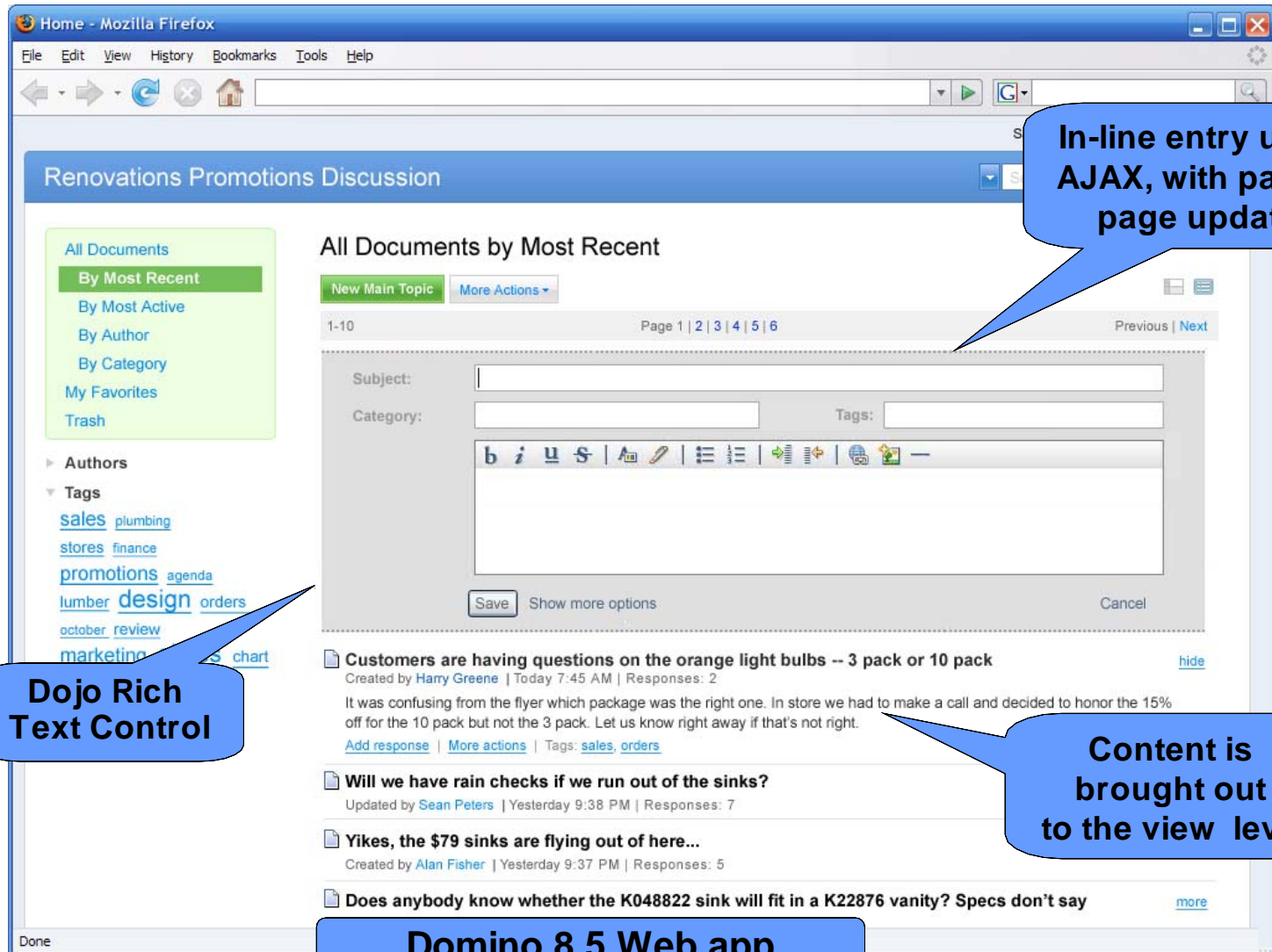
Date	Topic
06/21/2007 4	New Sales Orders slides are done (Martha Hoyt)
	Nice work -- just a couple comments (Kathy Howard 06/21/2007)
	What's the plan for merging these with the partner's slides? (Kathy Howard 06/21/2007)
	Gail is handling the merge (Kathy Howard 06/21/2007)
	Slide 10 is vastly improved -- thanks (Kathy Howard 06/21/2007)
06/21/2007 10	2008 Plans Anchor Document (Kathy Howard)
	Research findings (Kathy Howard 06/21/2007)
	First stab at timeline section (Kathy Howard 06/21/2007)
	Pricing section (Kathy Howard 06/21/2007)
	Revisions for Pricing section (Kathy Howard 06/21/2007)
	Resource estimates (Kathy Howard 06/21/2007)
	revisions for timeline (Kathy Howard 06/21/2007)
	comments (Kathy Howard 06/21/2007)
	Resource estimates are missing a few things (Kathy Howard 06/21/2007)
	Another research tidbit (Kathy Howard 06/21/2007)
	Notes from Tues review meeting (Kathy Howard 06/21/2007)
06/21/2007	Update on meeting with Jill S (Martha Hoyt)
06/20/2007 1	Comments/updates on slides (Charles Hill)
	couple comments back at ya! (Maureen Leland 06/20/2007)
06/20/2007 1	latest version for Briefing (Martha Hoyt)
	minor updates (Chris Reckling 06/20/2007)
06/20/2007 1	Combined slides for 4pm Wed mtg (Martha Hoyt)

on BalabanBTT/BTT

Local intranet



Objective: Simplify Web 2.0 Development



Dojo Rich Text Control

In-line entry uses AJAX, with partial page update.

Content is brought out to the view level

Domino 8.5 Web app



XPage Proof Point – Discussion 8.5

The screenshot shows a web browser window displaying the IBM Discussion 2.0 application. The page features a blue header with the IBM logo and a search bar. A left sidebar contains navigation options like 'All Documents', 'By Most Recent', and '3 Authors'. The main content area lists documents with titles like 'Proxy container custom control degrades performance' and 'JAR File Information'. Callouts highlight specific features: 'Add your own brand' points to the IBM logo; 'Blue theme' points to the header; 'Add your own copyright' points to the footer; and 'Author & Tag clouds' points to the sidebar. A large callout on the right lists 'XPage showcase' features: Custom controls, Repeat controls, Ajax, and more.

Add your own brand

Blue theme

Author & Tag clouds

Add your own copyright

XPage showcase

- Custom controls
- Repeat controls
- Ajax
-

Izstrādes uzlabojumi

- Themes - Lietojumiem var noteikt “tēmas”, kas strādā visā aplikācijā (formas, skatījumos, apakšformās)
- Dojo FrameWork - ļauj ātri WEBiskot datubāzes
- Dojo tagad nāk ka Domino komponente
- Dojo alternatīva ir EXT FrameWork

HTTP-WEB serveris



- Tagad atbalsta GZIP
- WEB operācijas tagad būs par 30-50% ātrākās uz datu pārraidi
- N.B. ir nedokumentēta iespēja ieslēgt to arī 7.x versijā 😊

OS SUPPORT

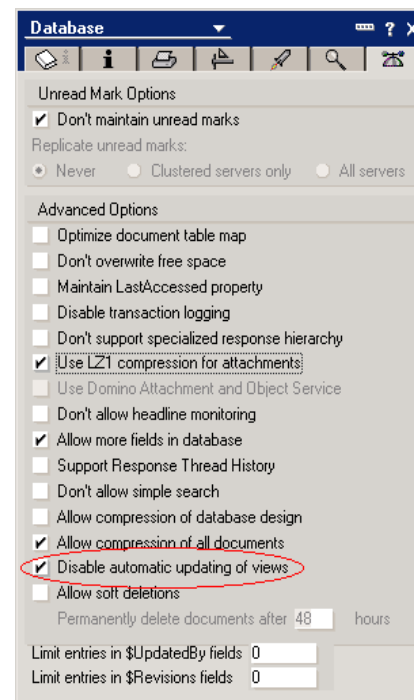
Lotus Notes 8.5 tiks atbalstīts uz :

- Apple Mac OS X v10.5 Leopard un
- Ubuntu



Datubāzes uzlabojumi

- Per database UPDATE taska kontrole, tagad ir iespējams datubāzes līmenī kontrolēt kā šo db apstrādās UPDATE
- CPU slodze uz Transaction logging samazināta par 50%
- Būtiski uzlabota NSF kvalitāte un atjaunošana



Domino 8.5 - Veiktspējas salīdzinājums

32 Bit Domino 8.5 Performance Status for N85Mail Workload

	Domino	Workload	Users	Build	Date	CPU	Disk Ops	Disk kBytes
AIX	32 Bit	n8mail	4000	Release 8.0	4/4/2008	55.0%	954	16,270
	32 Bit	n85mail	4000	V85_04062008	4/8/2008	48.0%	765	10,786
						-12.7%	-19.8%	-33.7%
Linux	32 Bit	n8mail	4000	Release 8.0	3/20/2008	24.0%	1,080	14,948
	32 Bit	n85mail	4000	V85_04092008	4/16/2008	21.0%	772	9,860
						-12.5%	-28.5%	-34.0%
Solaris	32 Bit	n8mail	4000	Release 8.0	4/16/2008	34.0%	901	30,455
	32 Bit	n85mail	4000	V85_04132008	4/21/2008	33.0%	704	13,391
						-2.9%	-21.9%	-56.0%
System i	32 Bit	n8mail	4000	Release 8.0	4/21/2008	27.4%	1,473	23,566
	32 Bit	n85mail	4000	V85_04162008	4/21/2008	24.8%	1,105	16,796
						-9.5%	-25.0%	-28.7%
Win64	32 Bit	n8mail	4000	Release 8.0	4/17/2008	18.1%	947	12,093
	32 Bit	n85mail	4000	V85_04062008	4/13/2008	13.8%	760	8,524
						-23.8%	-19.7%	-29.5%
zLinux	32 Bit	n8mail	4000	Release 8.0	4/2/2008	41.6%	928	12,208
	32 Bit	n85mail	4000	V85_04072008	4/9/2008	47.6%	695	8,339
						14.4%	-25.1%	-31.7%

New runs this week in blue

Criteria	<=	0	-25%	-25%
	between			
	>=	5%	-20%	-20%



Notes 8.0.2

- Microsoft Office 2007 Viewers
 - DOCX, PPTX, XLSX
- iPhone support
 - Real-time access to mail, calendar and contact data through the browser on your iPhone.
 - With a day at a glance view, see your day's events at a single glance of your calendar.
 - Built on the Lotus DWA infrastructure to deliver an optimized viewing experience for iPhone users.
 - Designed to provide quick access to your critical data while leveraging the rich user experience of the iPhone screen.
 - Included with the Lotus DWA **license at no additional charge**



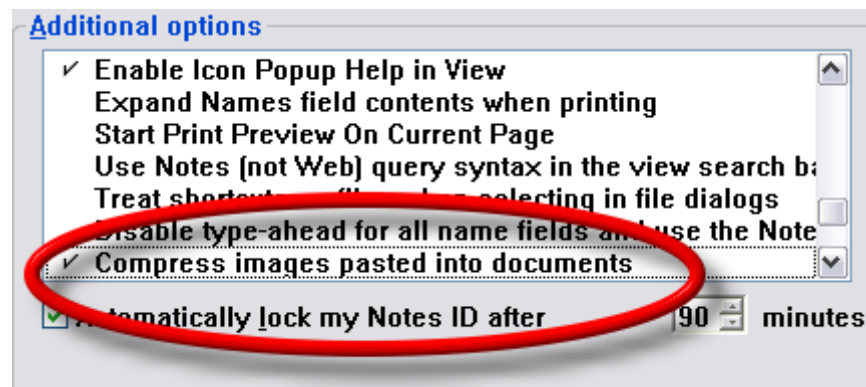
Lotus Notes 8.0.2

- Veiktspējas uzlabojumi
 - Notes 8.0.2, palaišanas laiks 2 reiz mazāks par 8.0.1
 - RAM rekomendācijas paliek
 - RAM izmantošana ir samazināt
 - 1GB ir OK
 - TE ALISE rekomendē lietot TIKAI 8.0.2
 - Mēs nerekomendējam lietot <8.0.2,
Notes.ini UseBasicNotes=1/0
Basic Client -30%, RichClient 100%



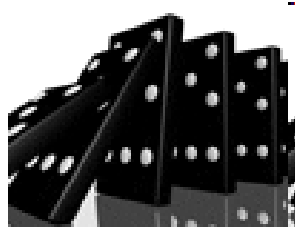
Notes 8.5

- General Functionality
 - Navigate Notes preference fields using the Tab key.
 - Automatically compress images pasted into documents.
 - Note that bitmap (.bmp) images that are *imported* into a Notes document are compressed; bitmap images that are *pasted* into a Notes document are converted to .gif or .jpg format.
 - Choose "File -> Preferences -> Basic Notes Client Configuration", and then choose the appropriate setting under 'Additional options' (the setting is selected by default).



- Domino 8.0.2 ir gatavs upgreidam, uz to var migrēt
- Tie kas tiko pabeidza 5.x->7.x, vai 6.x->7.x migrāciju, lai kādu laiku paliek uz 7.x
- Ja esoša vide ir 6.5, labāk migrēt uz 8.5, 8.0.2
- Domino 7.x aplikācijas ir savietojamas 8.x
 - TE ALISE bija tikai (1) viens BUGS 😊

TE ALISE Domino 8.x projekts



TE ALISE pieredze ar Lotus Domino 8.x

- Pārtestēšanu veicām 2007 gadā beigās (automatizēti)
- Produkcijas upgrade - Feb 2008, nomigrējam uz 8.0.1
- Noupgreidojām daļu no klientiem uz 8.0.1 un uz laiku apstādinājām client-rollout.
- Problēmas ar stabilitāti, ieviests klasteris.
- Novēršam stabilitātes problēmas
- Pēc 8.0.2 upgreidojām visus serverus no 8.0.1->8.0.2
- Tagad notiek klientu RollOut.

Interneta resursi

- What's new in Domino 8.5

<http://www-01.ibm.com/software/lotus/notesanddomino/buzz.html>

- DAOS

http://www.ibm.com/developerworks/lotus/library/domino-green/index.html?S_TACT=105AGX13&S_CMP=EDU

Tietoenator ALISE Support Blog

<http://samurai.alise.lv/dominoblog.nsf/>

Vladislav Tatarincevs Lotus Blog

<http://samurai.alise.lv/lotus.nsf/>

Domino 8.5 ir betas stadijā, IBM™
aprakstīta funkcionalitāte var mainīties
vai var būt izņemta no Domino
programmatūras kodā.

- V.Tatarincevs@alise.lv



TE ALISE provided services

Lotus. software

- Lotus Domino upgrade (Complete/Partial)
- Lotus Technical Support (problem solving, consulting, on-site)
- Lotus Notes application development/support
- Lotus Notes self-education course (in latvian)
- Lotus Domino performance tuning
- Lotus Domino cluster
- Environment/Security Audit

Tivoli. software

- Tivoli Backup Solution (Deployment, Tuning, Scripting, Support)
- Tivoli Monitoring (Deployment, Tuning, Scripting, Support)

Paldies.



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