

When Plato Left The Cave

A brief history of IBM Lotus Notes / Domino

Ulrich Krause

BLUG 2011, 31.03 – 01.04.2011,

Crown Plaza Hotel, Antwerp, Belgium



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**13.7 billion
years BL_{UG}***

*** Before LUG**



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Friday



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Friday
~8:20 pm



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The universe was born ...



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π



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A couple of years later

1974



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1974 – A dude named Bill



Micro&Soft



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April, 4th 1975 – Microsoft



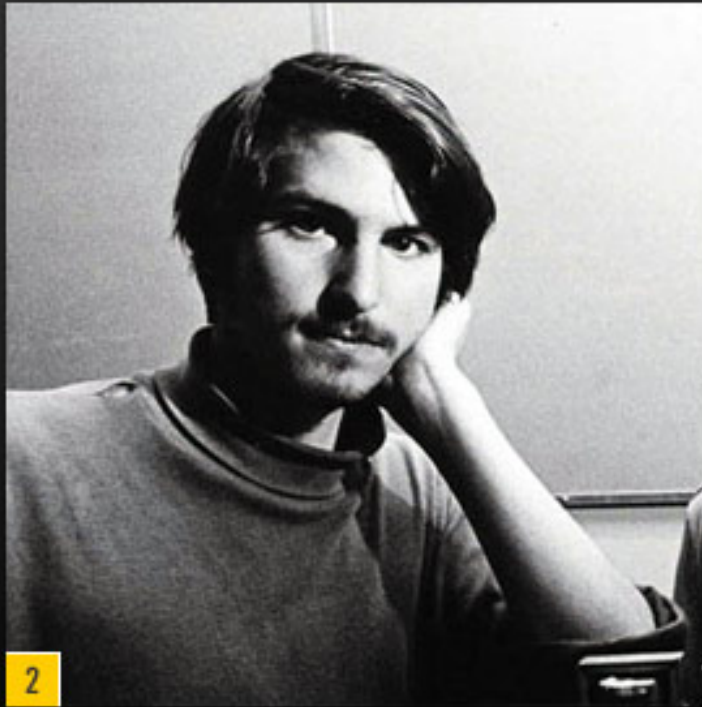
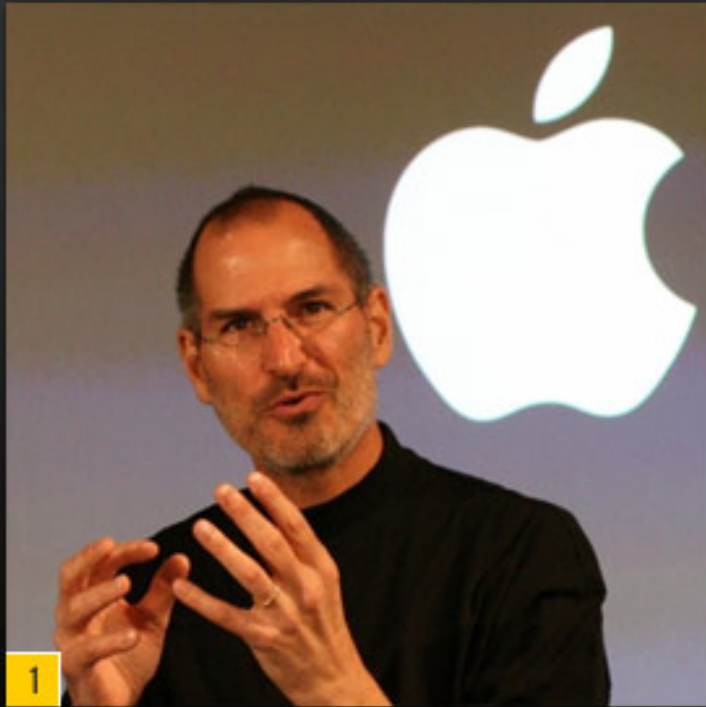
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April, 4th 1975 – Microsoft



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1974 – Steve Jobs



1

2



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Steve Jobs



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1974 – Steve Jobs

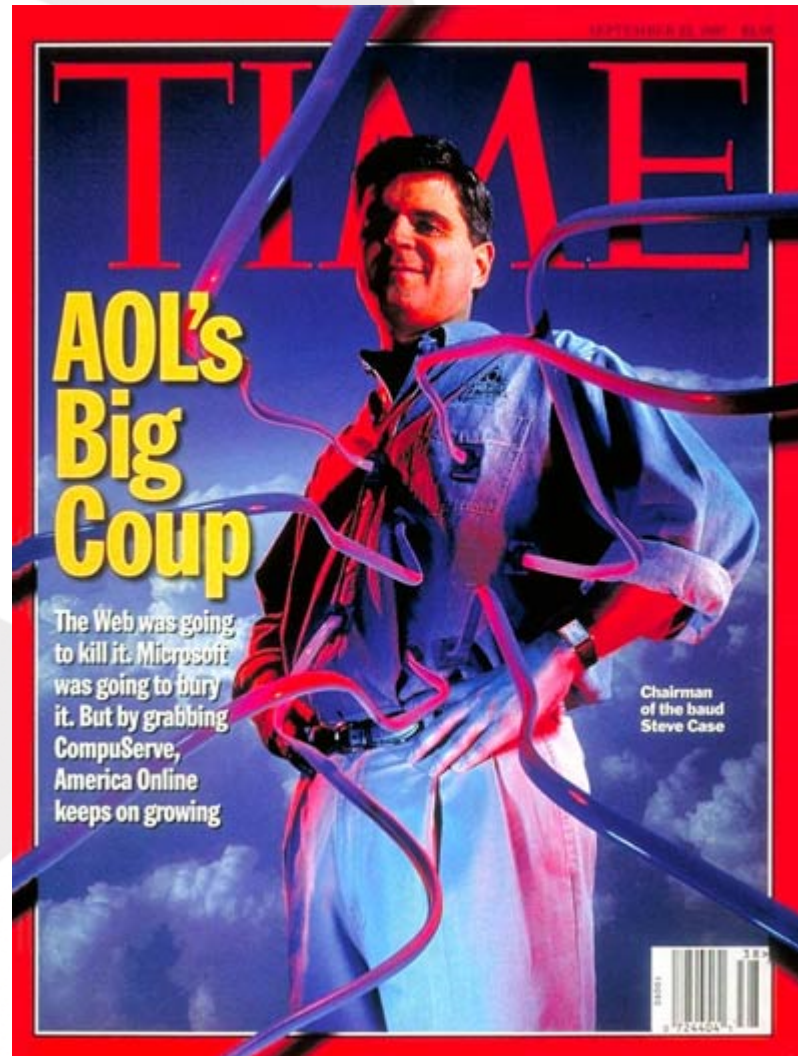


Hold different.



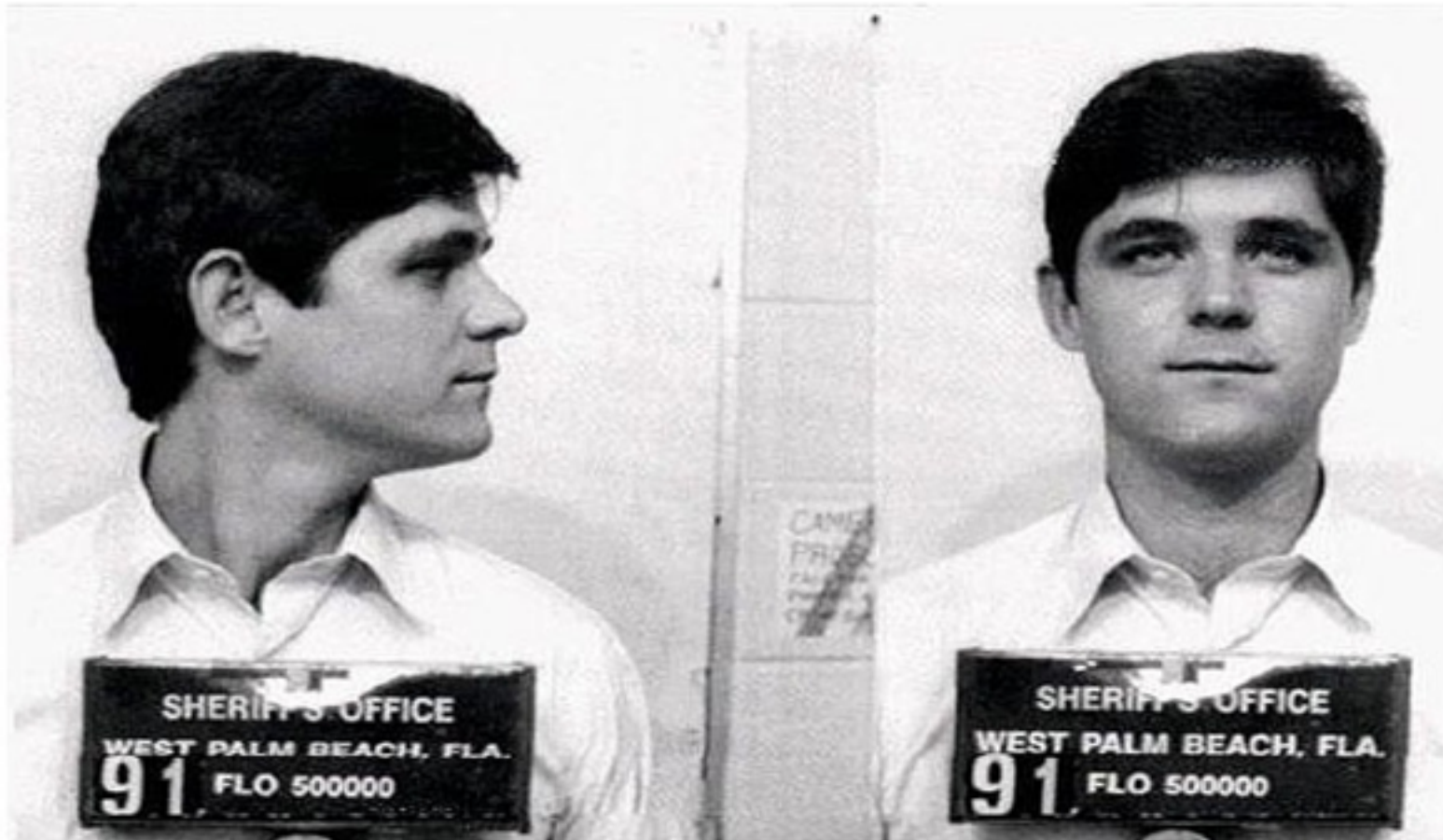
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1974 – Steve Case

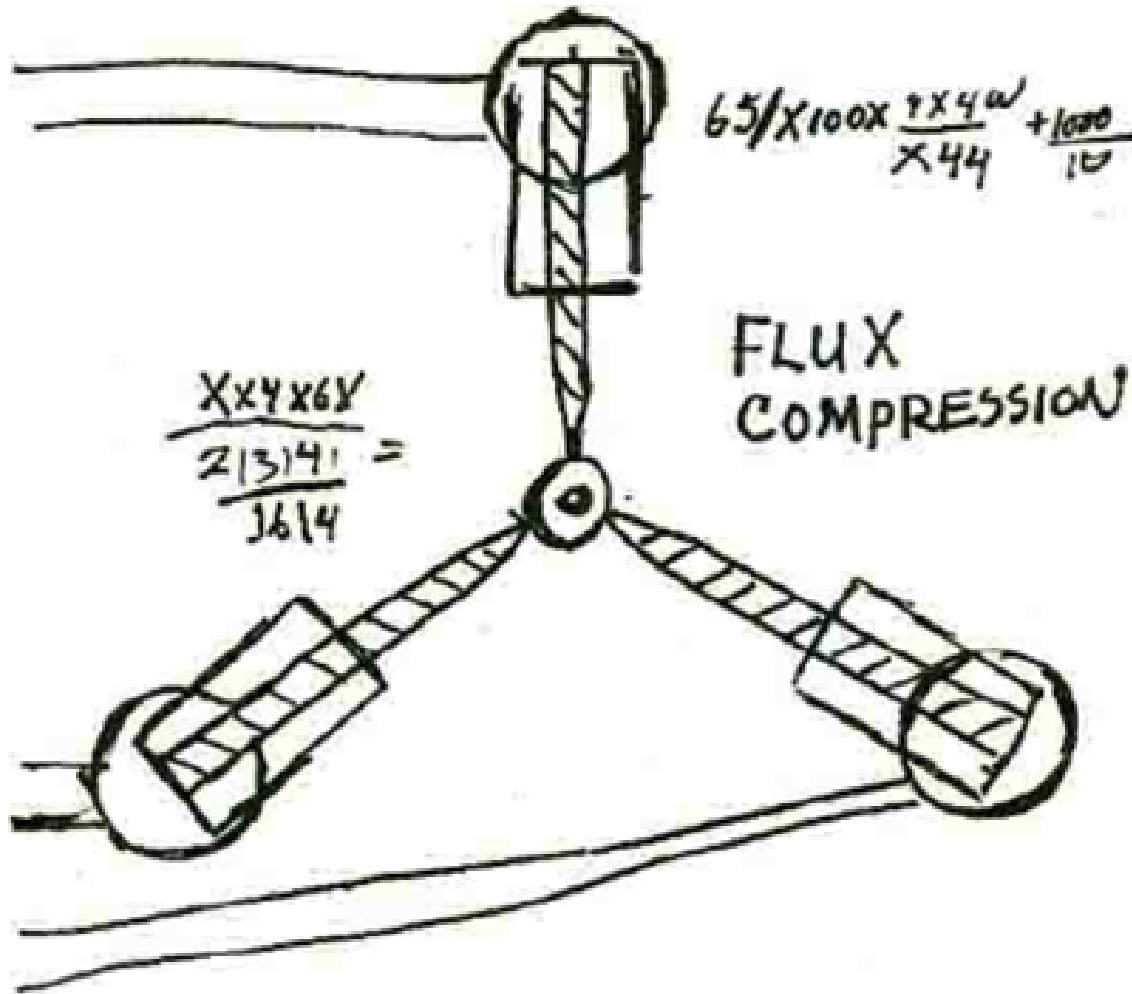


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1974 – Steve Case



Back to the roots

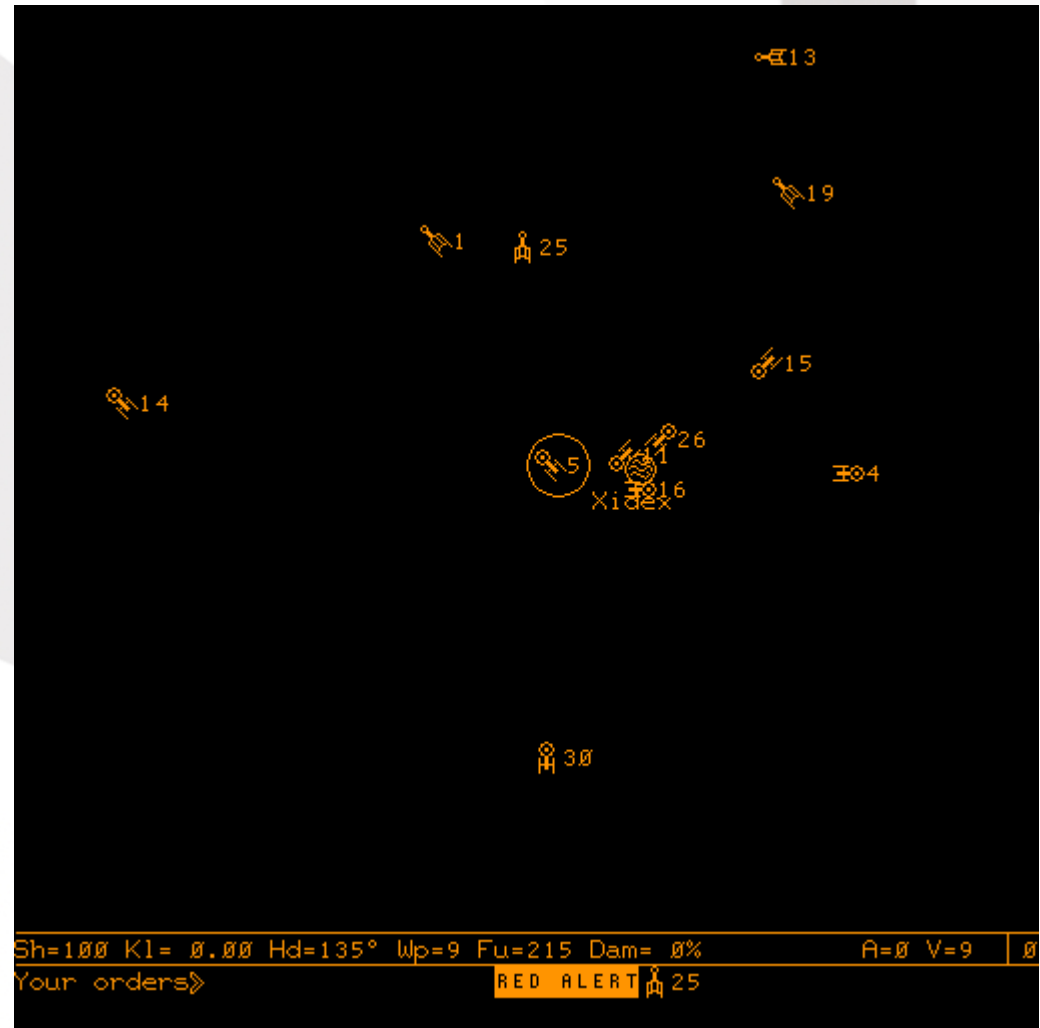


The 1960's



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The 1960's





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**“He was a
wise man
who invented
beer”**

- Plato 427 – 347 BC



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Welcome to PLATO



PM
CDT

Thursday, November 23, 1973

Welcome to PLATO
138 settlers

Type your PLATO name, then press NEXT.



Press the HELP key for some help.



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PLATO System

- Appr. 1960 PLATO was developed by Donald Bitzer.
 - Average costs for 1 BIT RAM = \$ 2
 - RAM only for a 4GB laptop would have cost **\$8.589.934.592** in 1960 !!
- David Woolley enhanced PLATO: PLATO Notes was born
 - Up to 63 answers on a single note file
 - 07-Aug-1973 general notes
- Fall 1973: Doug Brown's Talkomatic enabled Chat in the PLATO system
- August 1974: Personal Notes, Kim Mast
- January 1976: Group Notes, David Woolley



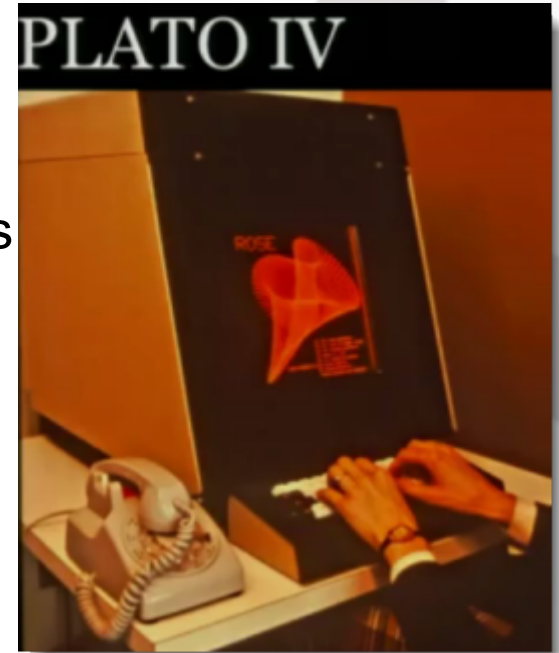
Notes Types in Plato Notes:

- System Announcements
- Help Notes
- Public Notes

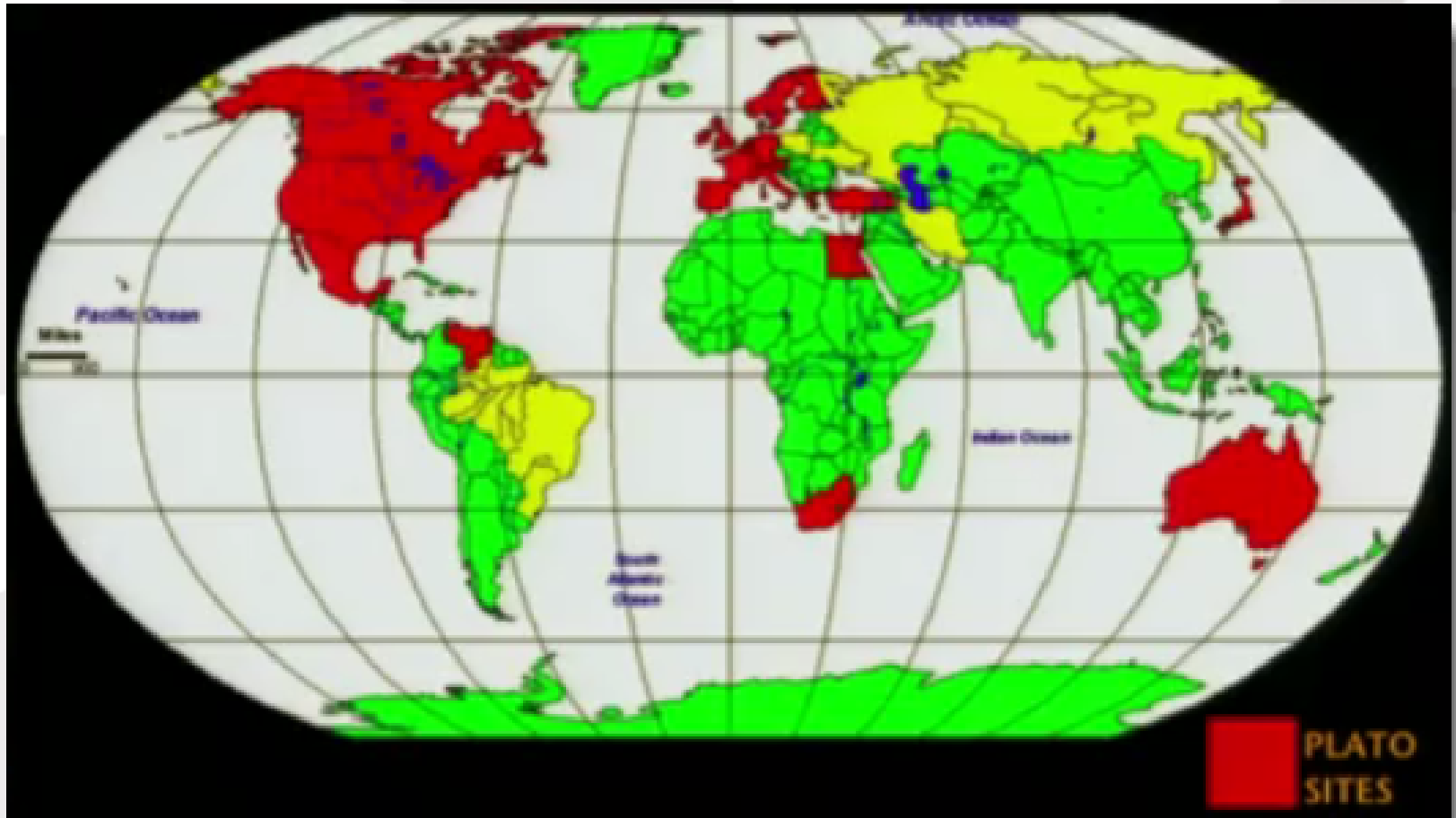


PLATO System

- The CERL PLATO system, only one of the sites deployed around the world, logged 10 million hours of use between September, 1978 and May, 1985.
- About one third of those hours were spent using the Notes application.
- About 3.3 million messages were posted in about 2000 notes files.
- **"derfing"** was a popular prank at PLATO sites.
- To be "derfed" meant that you'd left yourself signed on at a PLATO terminal, and someone else would come along and use your signon to go into a notesfile (often PAD or derfnote) and write a note saying "I are a derf" or something similarly stupid.
- Were you ever derfed? Did you ever derf anyone?.



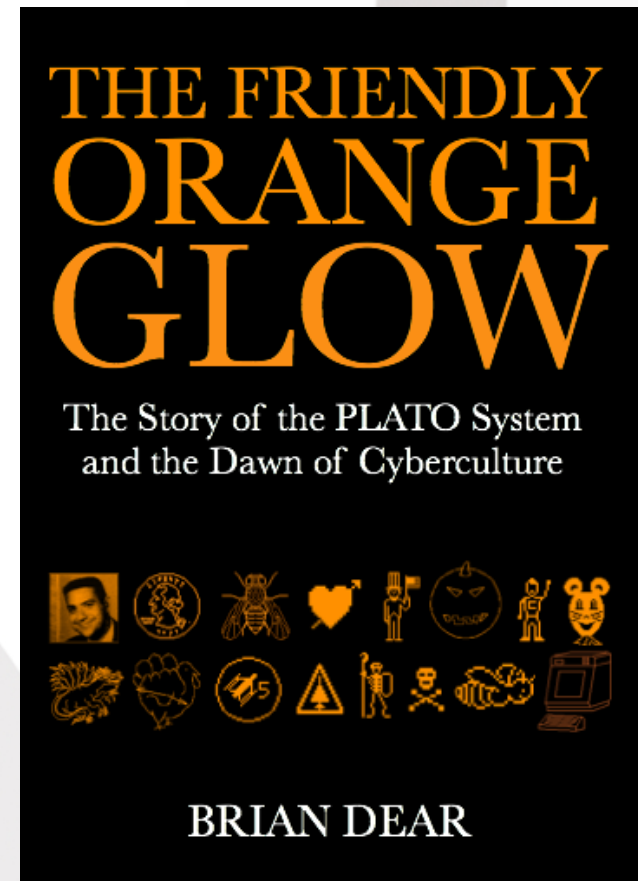
PLATO Sites 1976 - 1990



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Recommended Reading

- The friendly orange glow
 - <http://www.friendlyorangeglow.com/>
- PLATO: The Emergence of Online Community
 - <http://www.thinkofit.com/plato/dwplato.htm>
- The PLATO History foundation
 - <http://www.platohistory.org/>



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Iris Associates

- 07-Dec-1984: Iris Associates founded by Raymond „Ray“ Ozzie
- Mitch Kapor thinks this is a good idea.
- January 1985 Tim Halvorsen ,Len Kawell join IRIS, Steven Beckhardt and Alan Eldridge follow
- The original vision of Notes included on-line discussion, email, phone books, and document databases.
- As networking became more capable, Iris began to speak of Notes as *groupware*



"It was eccentric to think about group communication software in 1984, when most people had never touched an email system...the product was very far ahead of its time. It was the first commercial client/server product."

Tom Diaz, former Vice President of Engineering at Iris



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08-Oct-1986: „Note forwarding works!“

- Earliest entry in „Iris Office Notes“

Iris Office Notes | New Main Topic | New Response | E-Mail Author

Search in View 'All Documents' | Indexed | ?

Search for: Search [Search tips](#) > More

Date ↑	Rsp	Topic
08/10/86	1	Note Forwarding Works! (Ray Ozzie)
04/12/2006		WANTED: small microwave (Meggan Todd)
08/10/86	4	Mail Files are now Fixed (Steve Beckhardt)
08/10/86		(Ray Ozzie)
08/10/86		(Steven Beckhardt)
08/10/86		(Ray Ozzie)

Iris Note

Topic: Note Forwarding Works!

Author: Ray Ozzie

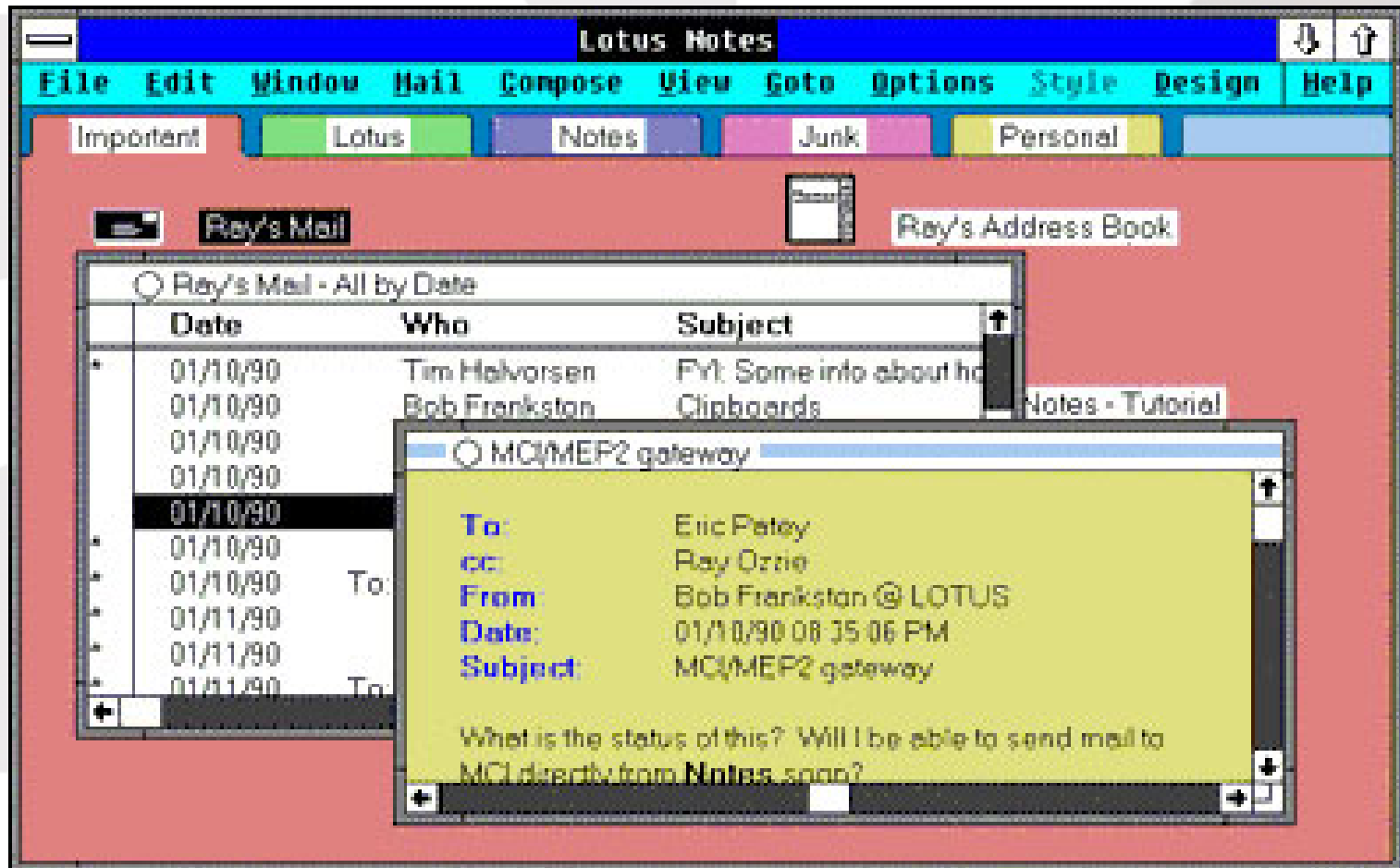
Date: 08/10/1986 09:30 PM

Content: Business related
 Non-business



07-Dec-1989 – Lotus Notes 1.0

- 5 yrs. After „Iris Associates“ was founded , the first release of Lotus Notes is published on Floppy Disks. Size: 2MB



Notes 1.0

■ The first version already contained a lot of basics we still use today

- Directory
- security/ACLs
- Doclinks (a.k.a “HotLink”)
- OLE rich text objects
- replication

■ Out of the box templates

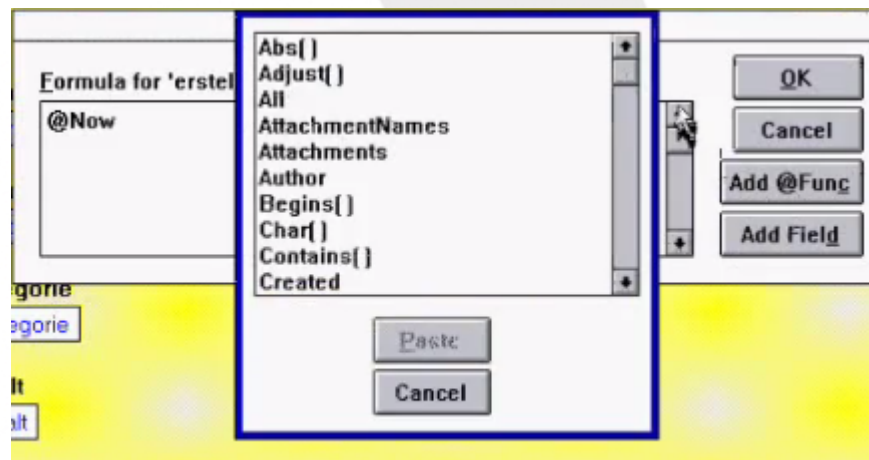
- group mail
- group phone book
- group discussion

■ @functions

"Should we build applications in the product or should we allow it to be flexible and let users do it because we don't know what they will want?"

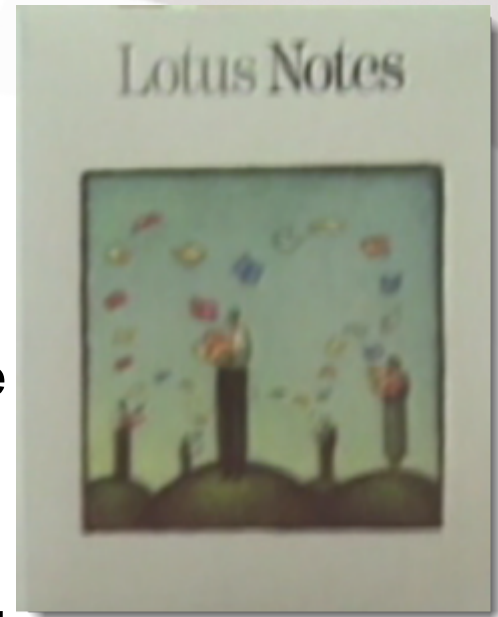
- Tim Halverson

Lotus Notes has survived the changes in the industry because it is a flexible product users can customize to fit their changing needs.



Lotus Notes 1.0

- In his first year, Lotus Notes 1.0 was sold 35,000 times.
 - \$62.500 ,- for 200 User
 - Early customers: Price Waterhouse Cooper, Arthur Anderson
- Notes client for DOS 3.1 or OS/2.
- Notes Server for DOS 3.1, 4.0, or OS/2.
- In 1990 Notes 1.1 was released
- The biggest achievement and the focus of this release was the added support for Windows 3.0, which was achieved by working closely with Microsoft as an influential Beta site for Windows 3.0.
- Support for other operating systems was implemented
 - OS/2 1.2 Extended Edition
 - Novell Netware Requester for OS/2 1.2
 - Novell Netware/386



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Computer Chronicles 1989 – Lotus Notes 1.0 on TV

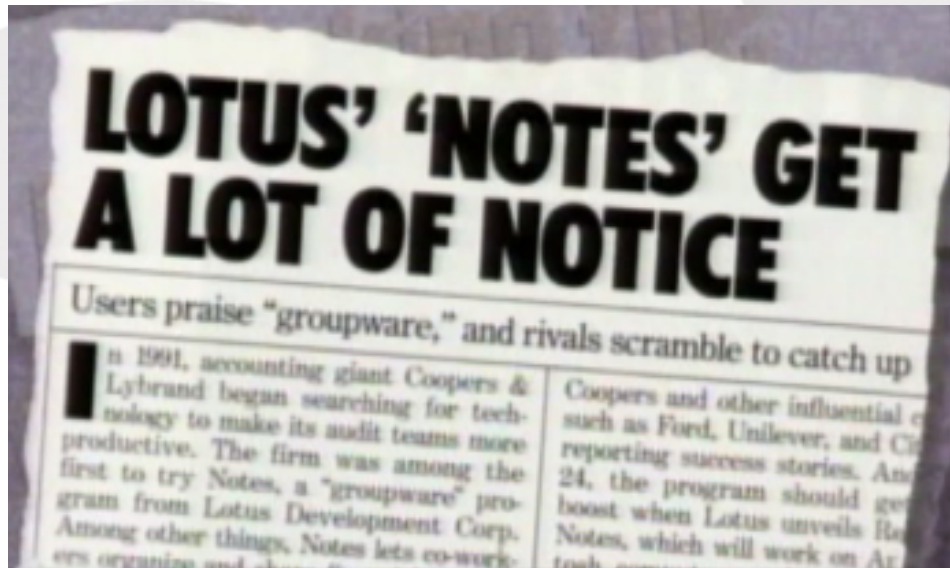
- <http://www.youtube.com/watch?v=9MAPPum19d0>
 - This is a segment from the Computer Chronicles from Fall of 1989 where Brownell Chalstrom demonstrates Lotus Notes.



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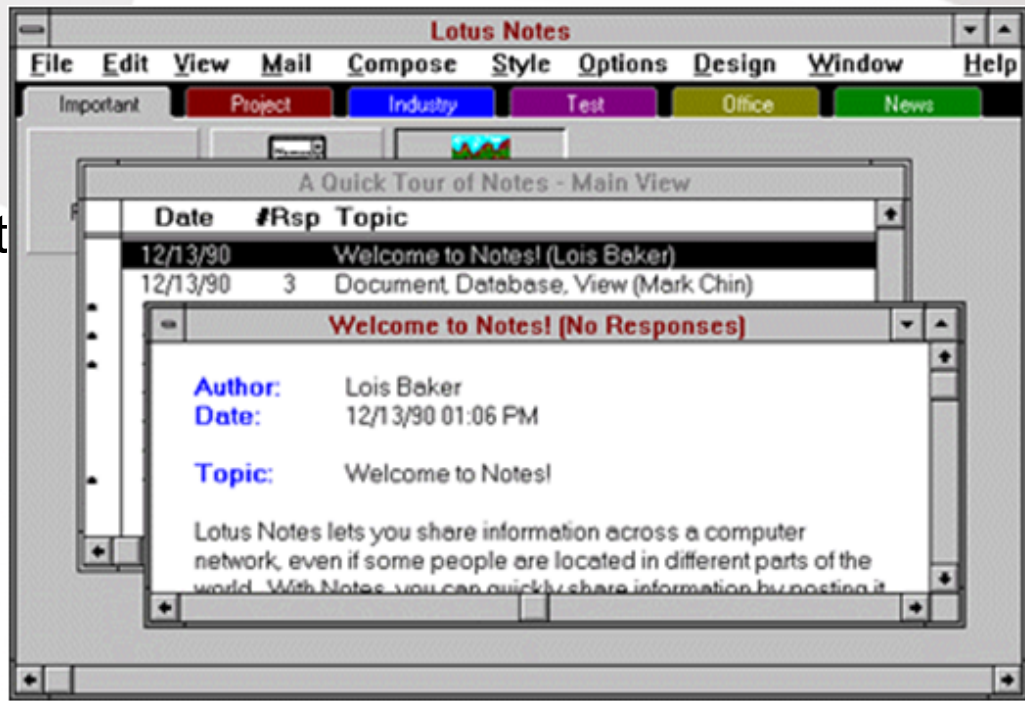
Lotus Notes in the news

- Dyson, E. (1990) A notable order for groupware. (10,000 copies of Lotus Notes for Price Waterhouse). Datamation, 36:9, p. 51.



1991 – Lotus Notes 2.0

- Designed for „Scaleability for large customers“
 - Iris realized Lotus Notes needed to scale to support 10,000 users. Lotus Notes was initially intended for small- to medium-sized businesses. The founders' original vision did not include large companies as users; they only expected 25 or so people logging in to one server.
- Introduction of APIs
- Tradition of working on next release before shipping current effort began.
V2 effort started in 1989, V3 discussion started in 1991, etc.



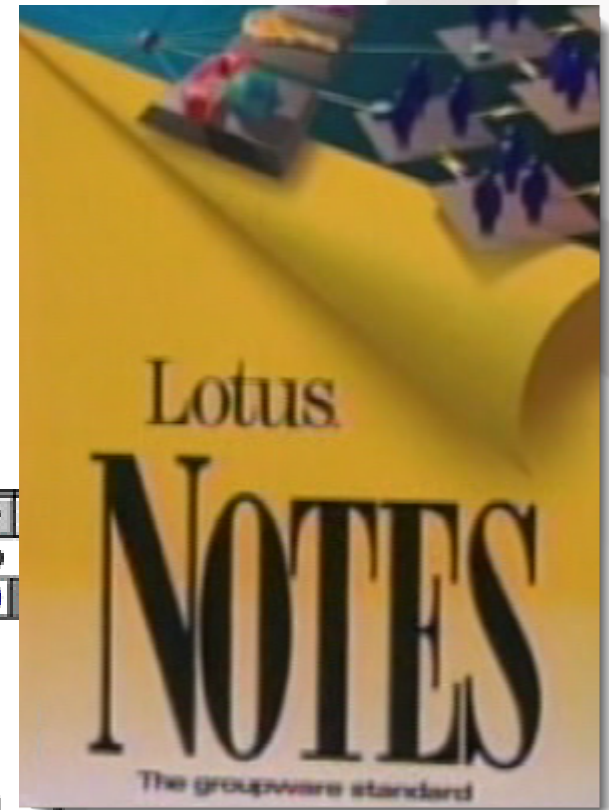
1991 – Lotus Notes 2.1



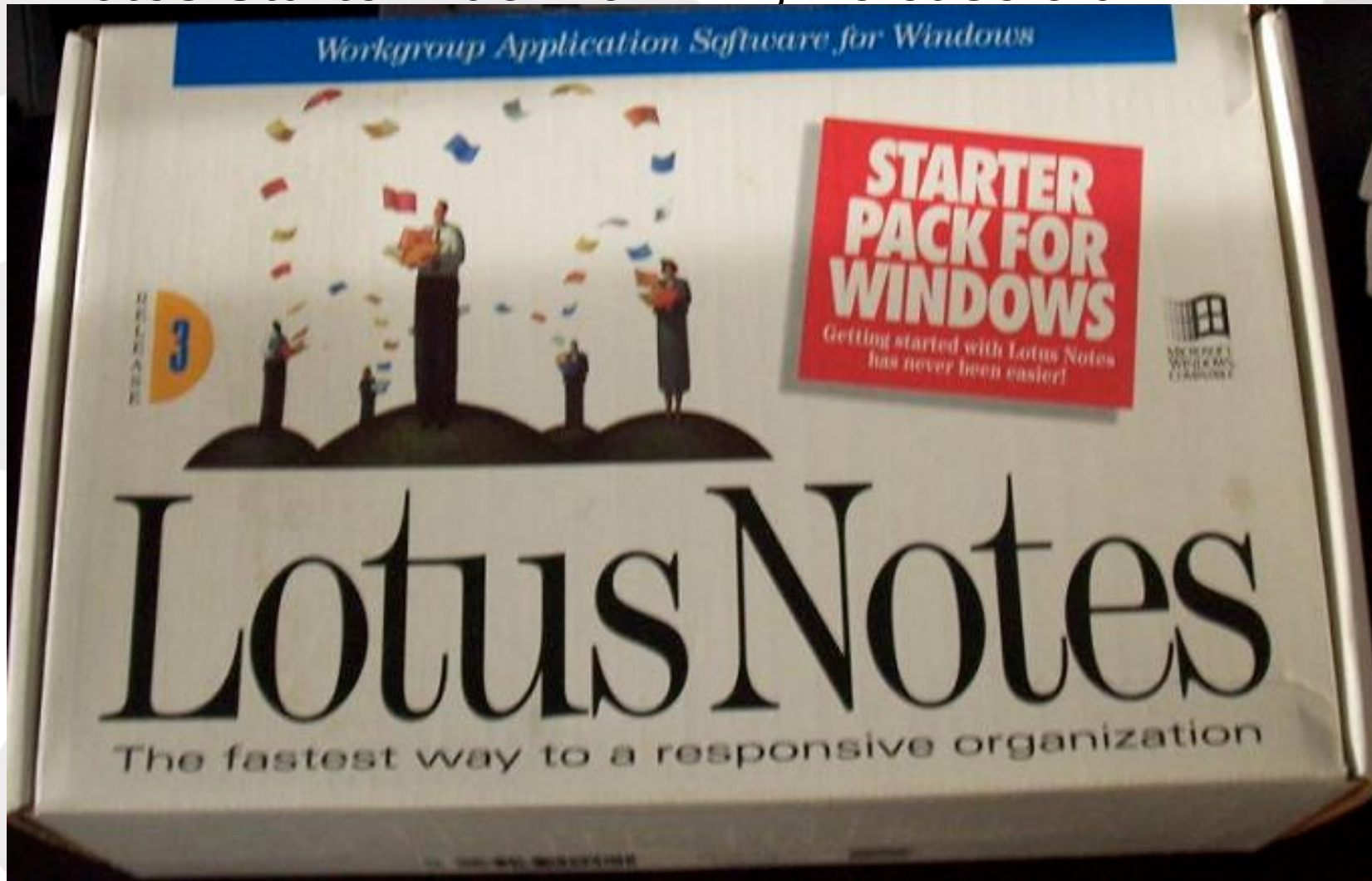
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Mai 1993 – Lotus Notes V3

- 25 developers
- Build Number 114.3c
 - 114th Build
 - It took 3 attempts to compile the binaries



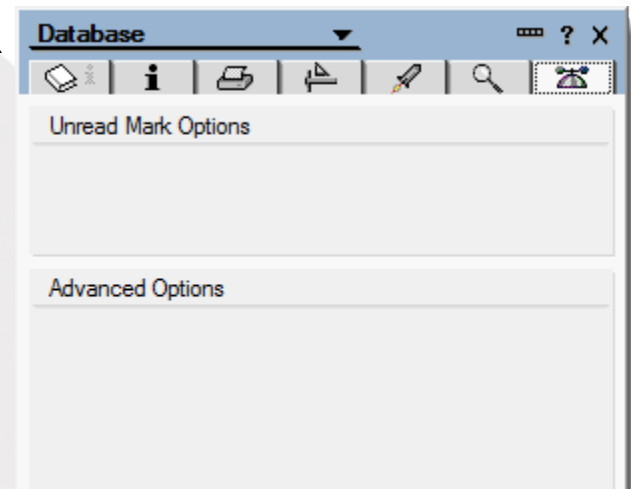
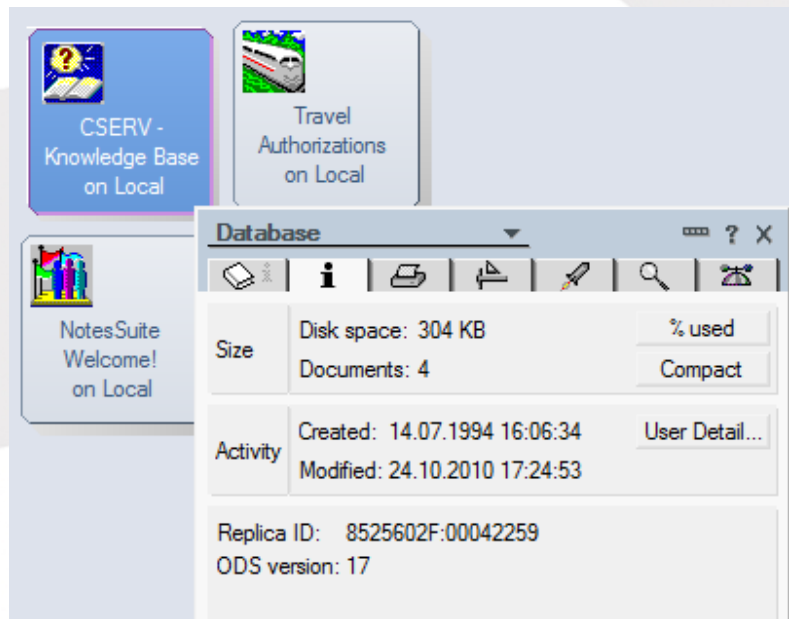
Notes Starter Pack for Win, Release 3.0



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1993 / 1994 – a maturing Notes marketplace

- Lotus acquires Iris
- Lotus acquires cc:Mail
- The Business Partner Model was introduced
- „Nifty Fifty“
 - Collection of 50 templates
 - <http://www.wissel.net/blog/d6plinks/SHWL-7P27CR>



1995 – IBM aquires Lotus

- IBM aquires Lotus in July 1995 for US \$ 3.5 billion.
- Windows 95 and Microsoft Office introduced into market.

AT&T has abandoned its Network Notes service, which combined Lotus Notes with AT&T's public network. AT&T notes that the rise of the Internet has made the service obsolete. Observers say that Notes will not suffer from the cancellation and that the program is rapidly gaining in popularity. Lotus has agreements with 15 other partners to provide access to Notes databases over the Internet. Experts believe that AT&T lost out because it entered the field too soon, using an early version of Notes that did not work well over the Internet. Because Network Notes relies on the AT&T network, costs are high, averaging \$40 a month per user before usage fees. Accessing a Notes database directly over the Internet costs much less, and the partners who used later, Internet-friendly versions of Notes are doing well. AT&T declines to say how much it spent on its Network Notes initiative and says it plans an Internet-based service using Notes - The New York Times – 29.02.1996



"They built and built and they planned and planned, and by the time that they got around to making an offering, it was already obsolete."

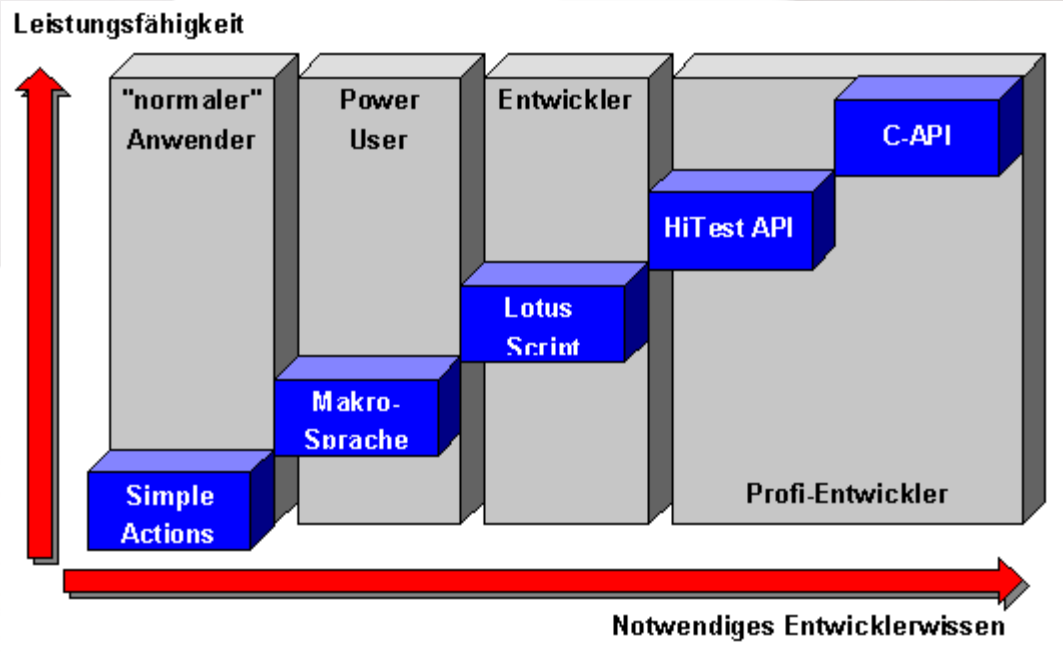
Mark Johnson, chief executive of MFJ International



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Januar 1996 – R4 „Release the Power“

- New UI, new message capabilities
- First “Professional Programmer” release
- LotusScript: Closes the gap between simple @formulas and the C-API
- Introduction of major features in point releases
- Introduction of QMR process



Lotus Announces Notes HiTest Tools for Visual Basic Visual Controls and an Object-Oriented API Enable VB Developers to Exploit Notes Development Environment

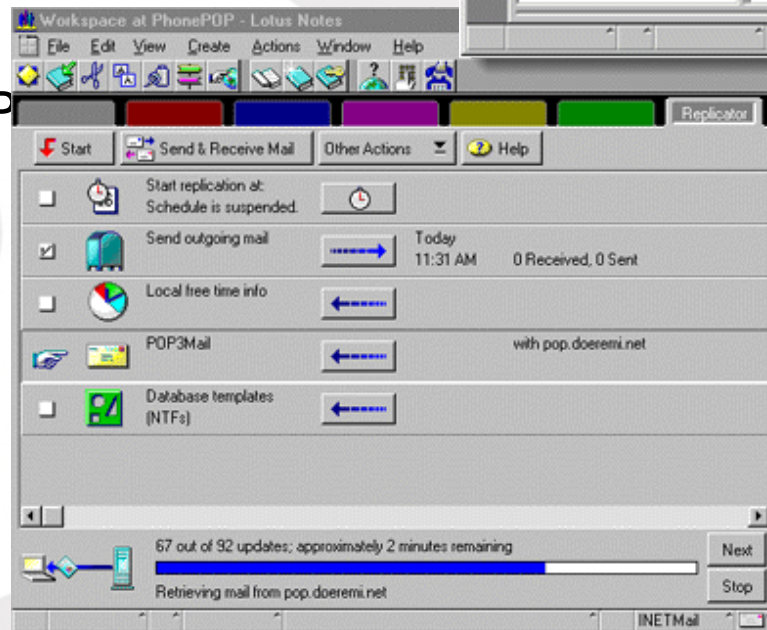
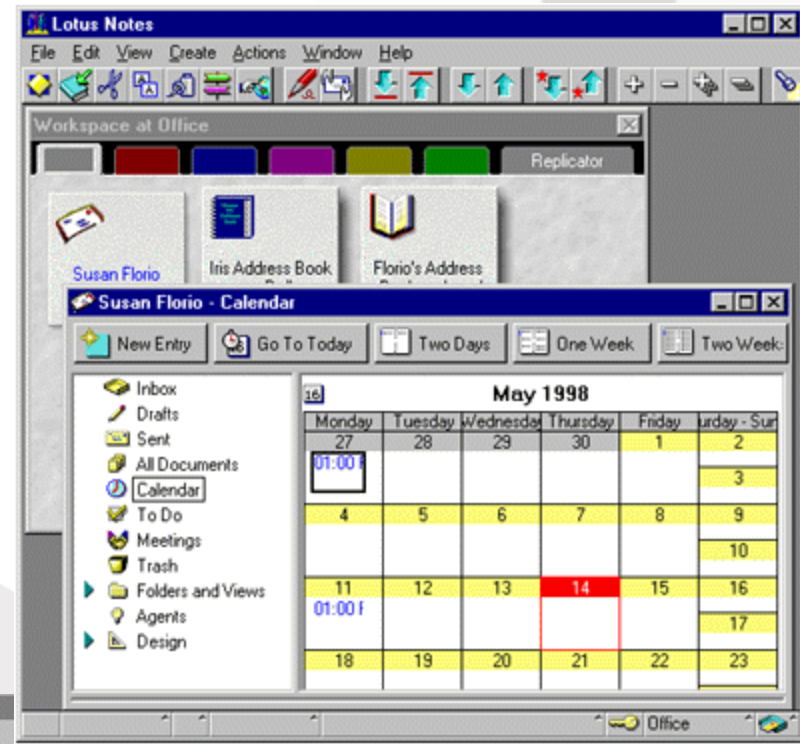
[Business Wire, Jan 23, 1995](#)



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1996 – Notes 4.5 / Notes 4.6





- First feature release within a major release since 1.1
- Introduction of Calendaring & Scheduling
- WebServer Addon („Domino“)
 - Domino shipped as 4.6
- Support for POP, IMAP, LDAP, NNTP, HTTP
- Support for UNIX, iSeries and Novell



Webmail 4.51

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-  [Message](#)
-  [Preferences](#)
-  [Guide](#)

Memo - From: serv01 on 30.10.2010 19:12

The owner of this mail file is "serv01/singultus".
You are logged in as "Ulrich Krause/singultus".
Sent by: Ulrich Krause

Send Only Send and Save Save as Draft

To:

cc:

bcc:

Subject:

Invitation

The owner of this mail file is "serv01/singultus".
You are logged in as "Ulrich Krause/singultus".

Entry Types: [Appointment](#) [Invitation](#) [Event](#) [Reminder](#) [Anniversary](#)

Brief description:

Date:

Time:

Not for public viewing

Detailed description:

[▲ Begin](#) [▼ End](#) [← Previous](#) [→ Next](#) [+ Expand](#) [- Collapse](#)

<http://www.bananahome.com/ldd/sandbox.nsf/ByDate/2450f21823f08bdb85256736007a12f0?OpenDocument>



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1996 - 1998

- MS Exchange Server ~~4.0~~ 4.0 shipped in June 1996
 - The „seat war“ was on
 - License price drop from \$270/user to \$70
- Netscape announced Groupware Server / Clients in October 1996
 - IBM will no longer be recommending Netscape products to its customers,” said John Patrick ,IBM vice president of Internet technology
- 20 Millionen „seats“ in 1996
- „Notes is dead“ for the first time (and not for the last time)
 - Internet is seen as a replacement
- 1997 Ray Ozzie leaves Lotus; more developers and managers to follow
- 1998 „Decline and fall of Lotus Notes“ , Forbes.com
 - <http://www.forbes.com/forbes/1998/0810/6203106a.html>



März 1999 – R5

- First major renovation of user interface
- Java, Javascript, CORBA/IIOP, SMTP/MIME
- Separate Domino Administration Tool
- Version 5.0.2: Domino on Linux

“Linux is set to grow as a server choice that can only be good for the Domino market. All in all, it’s a platform worth getting to know.”

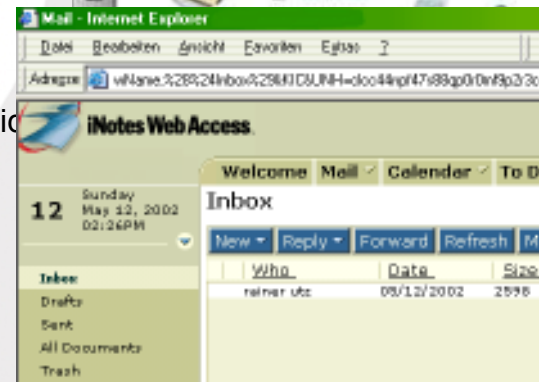
Mark Lawson, Domino Power Magazine, 1999

- Version 5.0.5 “Bluejay”
 - iNotes Access for Microsoft ® Outlook™
 - OLE/DB
 - DNFS (Domino Network File Storage)

» <http://www-01.ibm.com/support/docview.wss?uid=...>

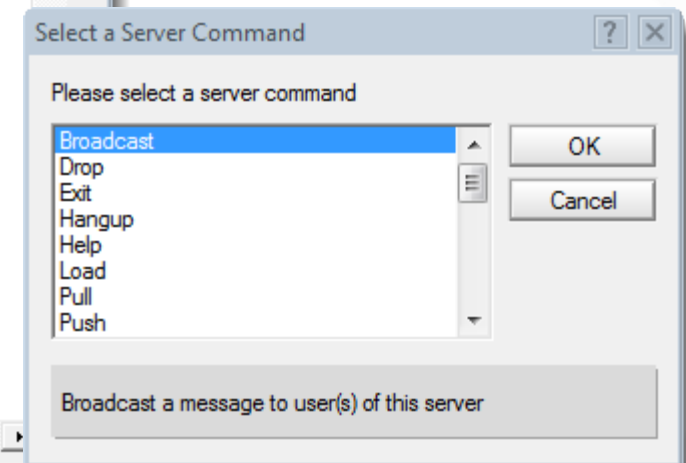
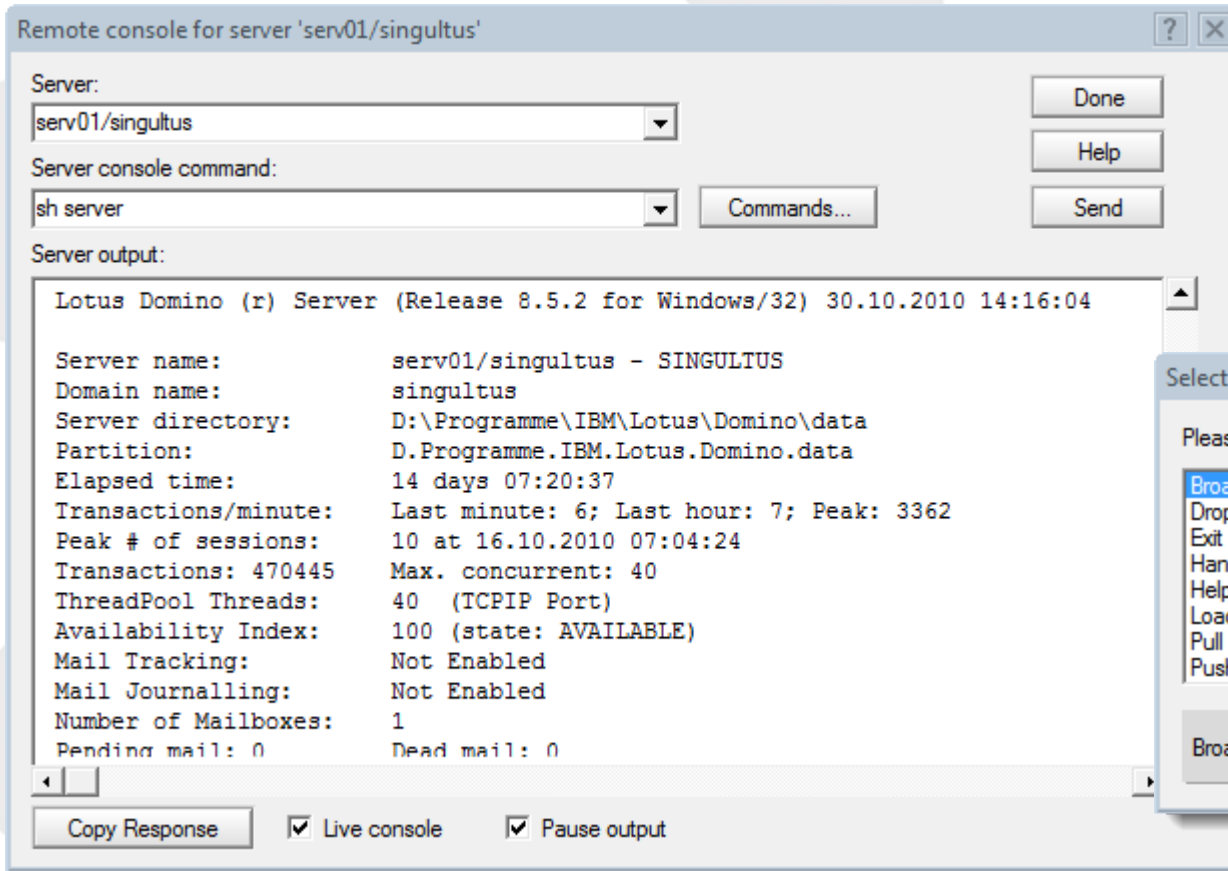
- Version 5.0.8. iNotes Web Access

- Shimmer, DWA ...

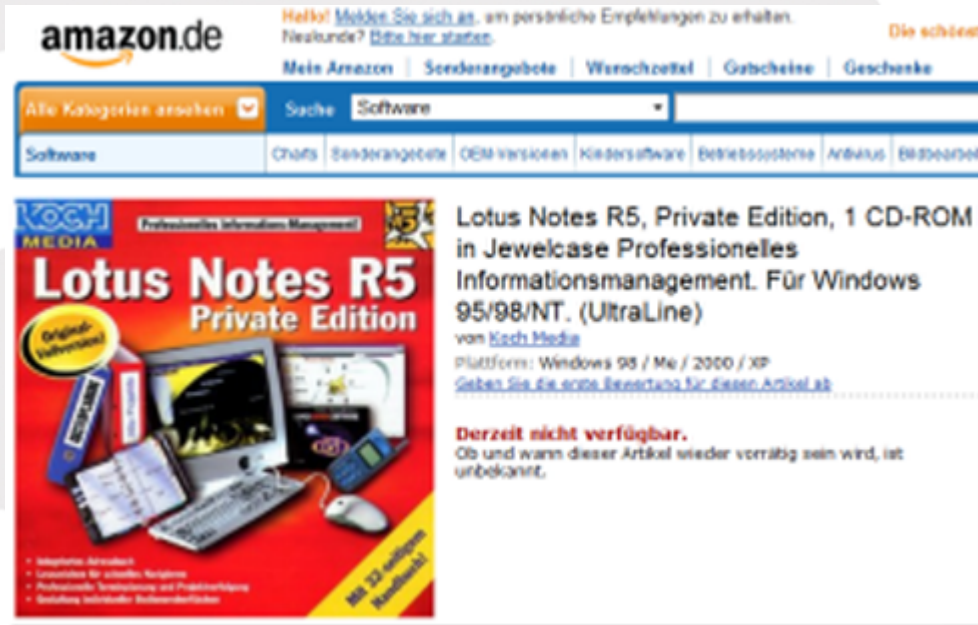


Administration Console (old style)

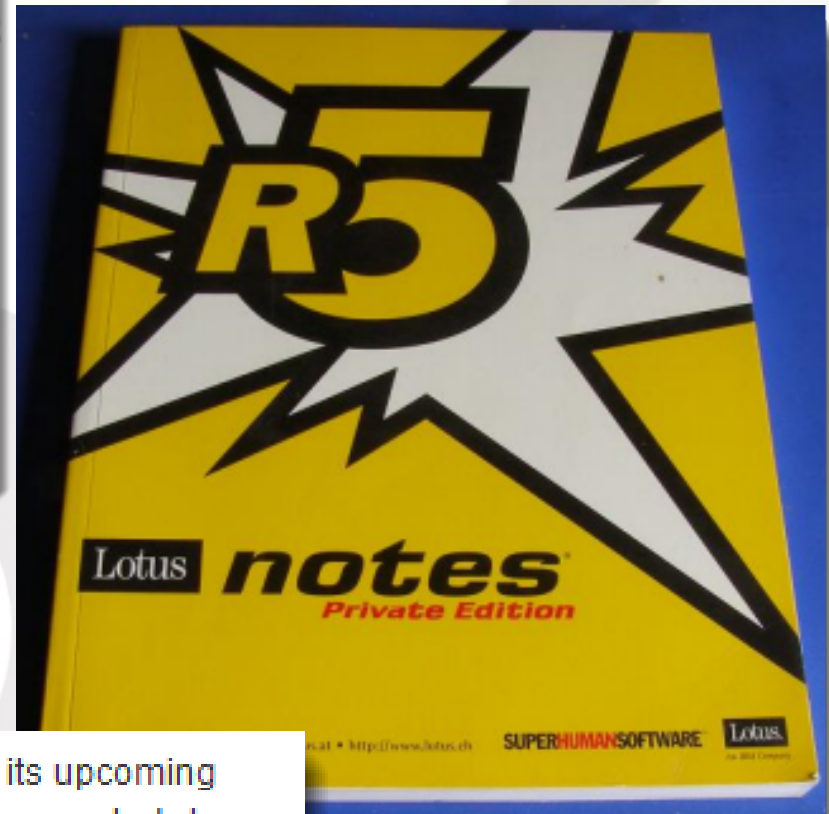
- @Command([AdminRemoteConsole])



Private Edition



The screenshot shows the Amazon.de website interface. At the top, there's a navigation bar with the Amazon logo and a search bar containing the word "Software". Below the search bar, there are several product categories listed: Software, Charts, Sonderangebote, OEM Versionen, Kiekersoftware, Betriebssysteme, Archivus, and Bildbearbeitung. The main product listing is for "Lotus Notes R5, Private Edition, 1 CD-ROM in Jewelcase Professionelles Informationsmanagement. Für Windows 95/98/NT. (UltraLine) von Koch Media". The listing includes platform information (Windows 95 / Me / 2000 / XP) and a link to the product page. A red banner at the bottom of the product listing states "Derzeit nicht verfügbar. Ob und wann dieser Artikel wieder vorrätig sein wird, ist unbekannt."



The company is still mulling over a plan to give cc:Mail users its upcoming Notes 5.0 client for free, company sources said. A decision is expected closer to the Notes 5.0 rollout later this year.

March 17, 1998 12:50 PM PST



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October 2002 – Lotus Notes / Domino 6

- Substantial user interface improvements

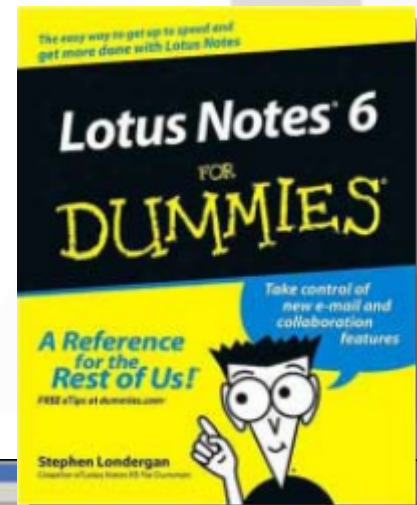


Lotus Notes 6



Release 6.0.1CF1 March 2002

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- Policy based administration
- Server/ Performance Monitor

September 2003 – Lotus Notes/ Domino 6.5

- Integration of IBM Lotus Sametime® instant messaging into the client
 - At no extra charge
 - chat and awareness
- More integration across IBM software portfolio
- Mozilla browser support
- Linux® clients (Wine)



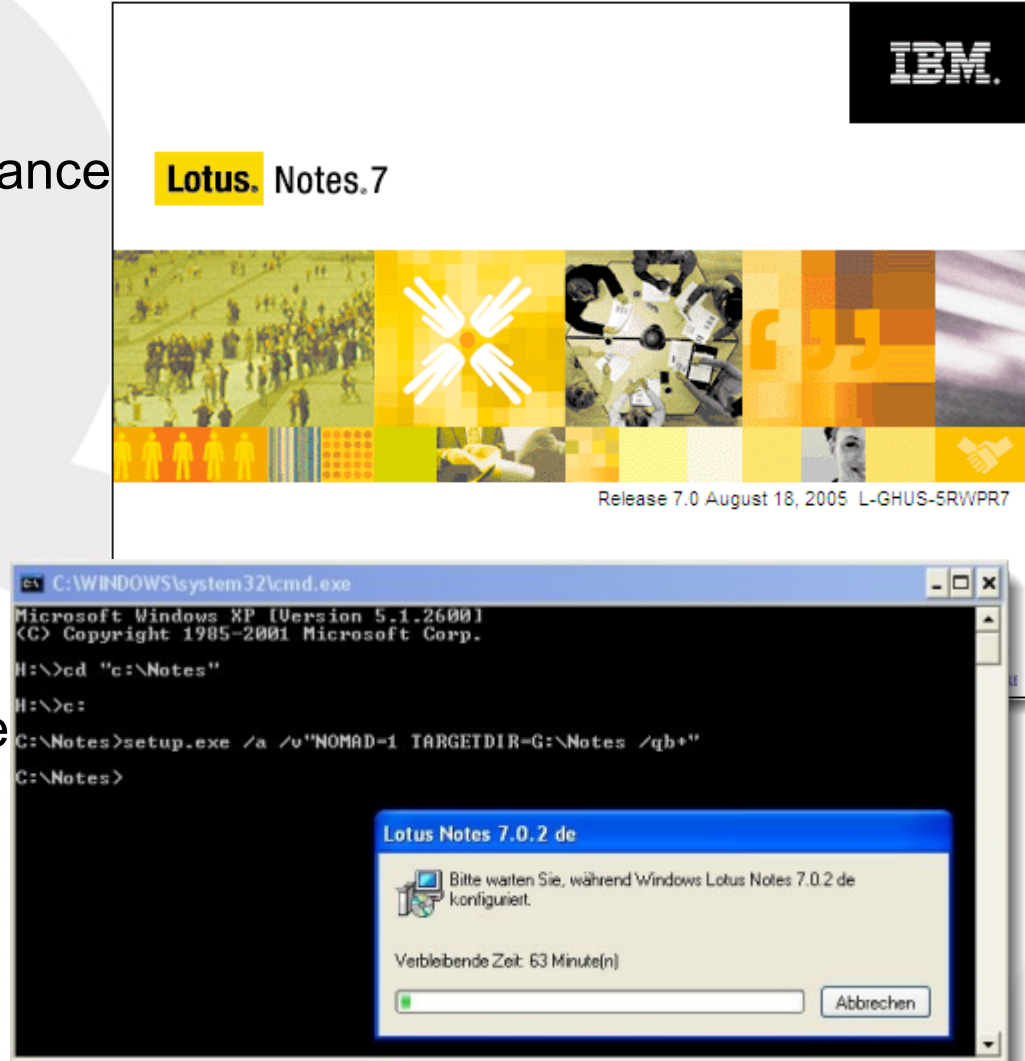
Der Einsatz von Notes unter Linux wird weiterhin nicht offiziell unterstützt. IBM hat diese Lösung wohl vor allem für den Eigenbedarf entwickelt. Derzeit sollen bei IBM rund 30.000 interne Linux-Nutzer arbeiten, die auf diese Weise die aktuelle Notes-Version einsetzen können. Einen eigenständigen Notes-Client für Linux wird es laut IBM nicht geben. Der zur Lotusphere erstmals demonstrierte Workplace Client soll jedoch später auch Notes-Anwendungen ausführen können. (Volker Weber) / (Volker Weber) / (jk)



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August 2005 – Lotus Notes / Domino 7

- Massive scalability and performance improvements
- Domino Domain Monitoring
- Activity Trends
- Smart Upgrades
- Domino Web Services
- Update to Domino Web Access
- IBM DB2 as alternate data store
- 7.0.2 “Innovation Pack” –
 - blog template,
 - server RSS feeds,
 - “Notes on USB stick”



The image shows two overlapping windows. The top window is the Lotus Notes 7.0.2 installation splash screen, featuring the IBM logo in the top right corner, the text "Lotus. Notes.7" in a yellow box, a central graphic of hands forming a star, and a bottom banner with various icons. Below the banner, it says "Release 7.0 August 18, 2005 L-GHUS-SRVPR7". The bottom window is a Windows command prompt titled "C:\WINDOWS\system32\cmd.exe" showing the execution of the Lotus Notes setup command: `C:\Notes>setup.exe /a /u"NOMAD=1 TARGETDIR=G:\Notes /qb+"`. A dialog box titled "Lotus Notes 7.0.2 de" is overlaid on the command prompt, displaying the message "Bitte warten Sie, während Windows Lotus Notes 7.0.2 de konfiguriert." and a progress bar with the text "Verbleibende Zeit: 63 Minute(n)" and an "Abbrechen" button.



June 2005



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Hannover 1.0

The screenshot displays the IBM Lotus Notes interface for Sam Curman. The main window shows an inbox with several emails. The selected email is from Lukas Geiger, titled "More on OP Tools deal", dated 05/01/05 at 10:02AM, with a size of 31.2KB. The email content includes a text message and a pie chart titled "Total Sales by Line".

From	Subject	Date	Time	Size
Betty Zechman	Can we get together?	05/01/05	9:12AM	46KB
Pierre Dumont George Bandini	Check out these new sales tools Thoughts on this quarter's results	05/01/05	9:15AM 9:36AM	1,234KB 1KB
Lukas Geiger	More on OP Tools deal	05/01/05	10:02AM	31.2KB
Anna Bauer	Does RNV have an exit strategy for the	05/01/05	10:26AM	1,345KB
Rita Ferrar	Request from Amadou: Please review Pro line	05/01/05	10:45AM	13KB
Lukas Geiger	Idea to boost customer satisfaction next year	05/01/05	11:02AM	14KB
Monifa Shani	Re: More on OP Tools	05/01/05	11:30AM	156KB
Pierre Dumont	Re: More on OP Tools	05/01/05	11:32AM	356KB
Lukas Geiger	Re: Check out these new sales tools	05/01/05	11:42AM	10KB
Anna Bauer	Re: More on OP Tools	05/01/05	12:01PM	46KB
Juan Sanchez	On vacation until next Monday	05/01/05	12:59PM	1,234KB
Lukas Geiger	Fw: New home start projections for next year	05/01/05	1:24PM	1KB
Monifa Shani	Please update projections for this quarter by	05/01/05	1:37PM	2KB
Anna Bauer	Re: Fw: New home start projections for next	05/01/05	1:40PM	1,345KB
Laura Klein	Re: More on OP Tools	05/01/05	1:52PM	13KB
Anna Bauer	Intelligence about change in building	05/01/05	1:57PM	14KB

More on OP tools deal Today, 10:02AM

From: Lukas Geiger
To: Sam Curman, Pierre Dumont, Anna Bauer, Laura Klein
cc: Monifa Shani

All:

I've been thinking about the OP Tools deal. Take a look at these sales projection charts. Elite line accounts for most of the sales until Q4, when the Pro line really takes off and the Elite line tanks. I think this shows we need to push the Pro line with OP Tools. Thoughts?

1 Attachment, 31.2 KB Save All

Sidebars include: Related Activities (OP Tools deal, Sales Lead: OP Tools, More on OP Tools deal, Competitive products, 5/01/05 Sam Curman...), Contacts (Related Contacts (1): Pierre Dumont, Anna Bauer, Monifa Shani; My Contacts (26)), Related RSS Feed (Reuters Business Headlines, Sales Discussion, Commercial Development N...), and Calendar (Today is May 01, 2005; Related meetings: Today 1:00 OP Deal Meeting, May 05 1:30 Meeting with Monifa, May 19 3:30 OP Tools Meeting; Today's meetings: 9:30 Business Discussion, 1:00 OP Deal Meeting).



August 2007 - Lotus Notes / Domino 8

The screenshot shows the IBM Lotus Notes 8 interface with several components highlighted by orange callouts:

- Title Bar:** Mail - Inbox - IBM Lotus Notes
- Menu Bar:** File Edit View Create Actions Text Tools Window Help
- Launcher:** Open, Refresh, Print, etc.
- Toolbar:** New, Reply, Reply to All, etc.
- Action Bar:** Show, Hide, etc.
- Navigator:** Inbox (661), Drafts, Sent, Follow Up, Junk, Trash, Chat History, Views, Folders, Archive, Tools, Other Mail.
- List View:** Table of email messages with columns for Sender, Subject, Date, and Size.
- Preview Pane:** Re: Alpha Mountain opportunity, Simon Schulz To: Renata Matthesen, Cc: Amy Blank, Gail Chao. Includes a "Product Sales" bar chart.
- Status Bar:** You have new mail on Server17

Sender	Subject	Date	Size
Anna Bauer	Halfpipe requirement	13/6/08 11:30	1,234 KB
Amadou Alain	Re: Halfpipe requirement	13/6/08 10:15	13 KB
Simon Schulz	Alpha Mountain opportunity	13/6/08 09:47	14 KB
Pierre Dumont	Re: Alpha Mountain opportunity	13/6/08 09:15	1,345 KB
George Bandini	Global marketing update	13/6/08 07:39	13 KB
Anna Bauer	Latest sales figures by region	13/6/08 23:45	14 KB
Heather Reeds	Please review meeting minutes	12/6/08 19:12	156 KB
Gail Chao	New snowmaking techniques	12/6/08 18:34	356 KB
Amadou Alain	New gondola requirements from Beta Mtn	12/6/08 18:16	10 KB
Marie Anne Gauthier	Request from finance	12/6/08 17:58	46 KB
Jin Wu	Zeta's charitable foundation	11/6/08 16:15	1,678 KB
Gail Chao	Financial reports from 3Q07	11/6/08 14:31	14 KB

Product Sales Bar Chart Data:

Region	Q1	Q2	Q3	Q4
East	40	60	80	100
West	50	70	90	110
North	60	80	100	120
South	70	90	110	130



January 2009 - Lotus Notes / Domino 8.5

- Directory Independence
- DAOS
- IDVAULT
- Lotus Notes Traveler
 - Windows Mobile, Nokia, iPhone / iPad . Android
- DDE – Domino Designer on Eclipse
- Xpages



Demonstration Application for XPages in IBM Lotus Domino

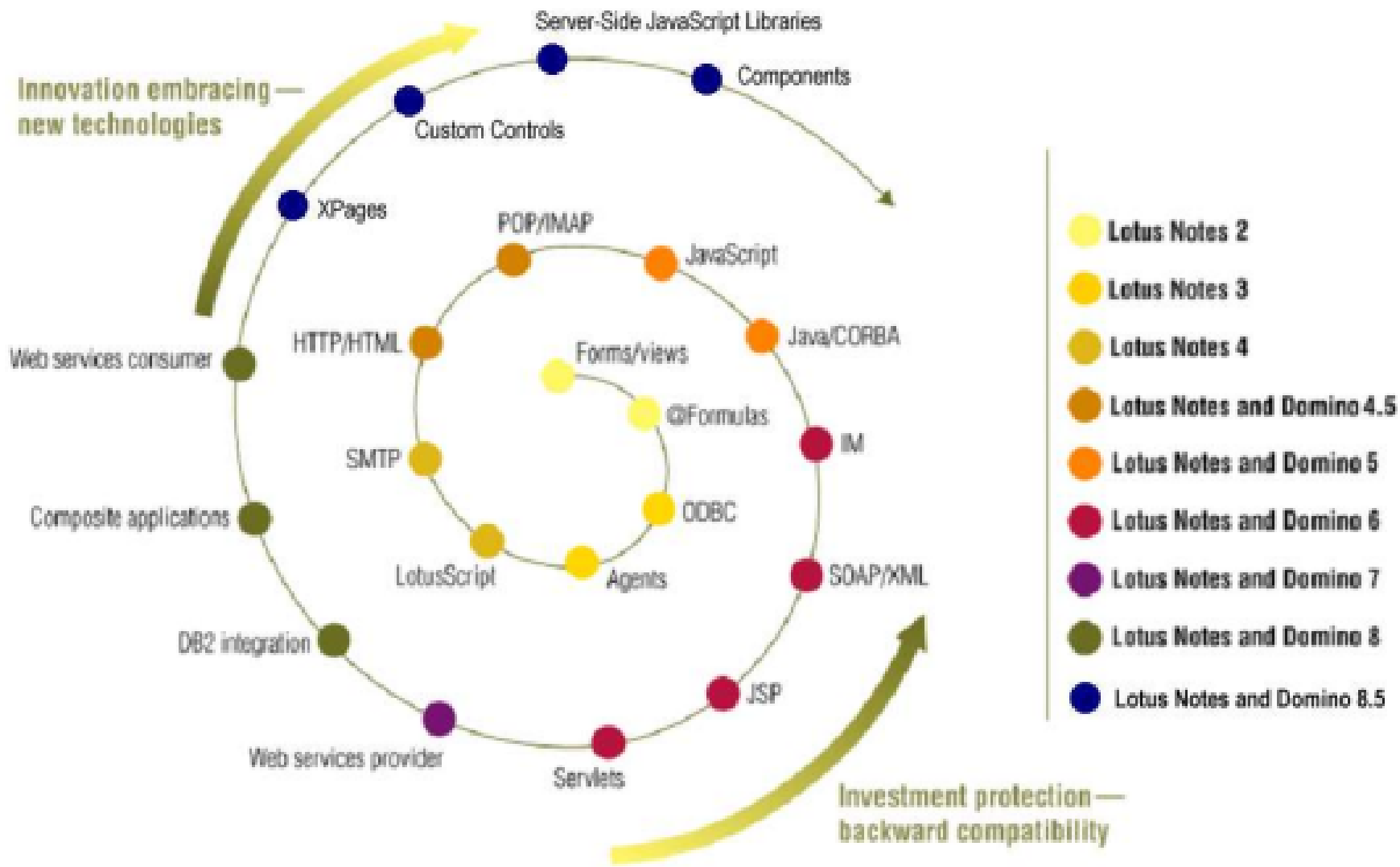
Home
Ajax
Partial Refresh
Type Ahead
Basic Properties
Core Controls
Edit Box
Rich Text
Multiline Edit Box
Button
List Box
Combo Box

Save and Close Cancel Edit Read Mode Delete Go to Core Controls View

Test Check Box - checked by default

Control:
Subject:
Category: Check Box Test
Created: 27.02.09 16:58
Author: Anonymous
You are: Anonymous

Compatability



Who is who?



Ray Ozzie



Len Kawell



Mitch Kapor

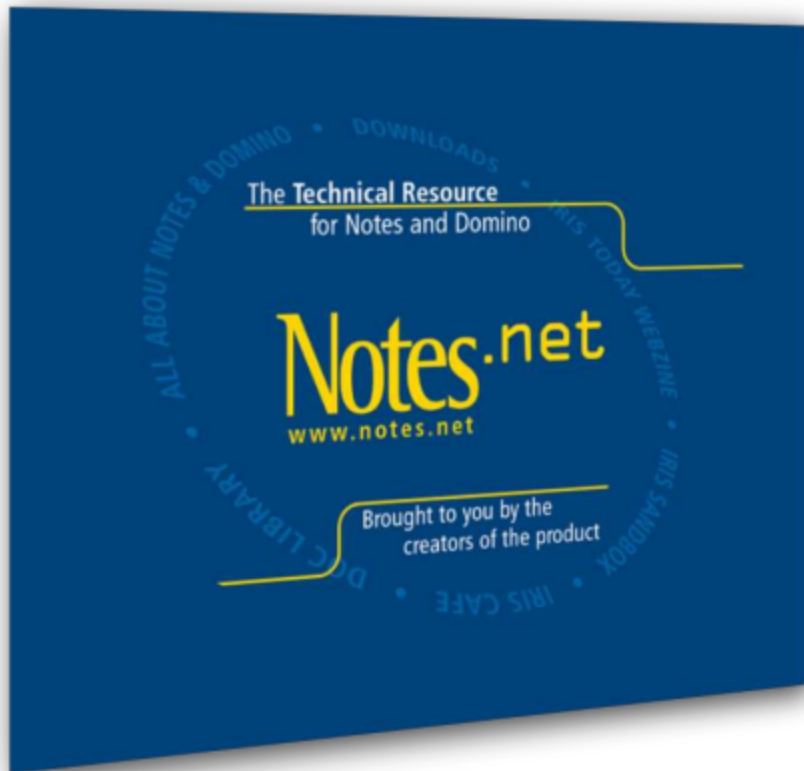
Tim Halvorsen



BLUG
Belux Lotus User Group

Lotus Notes / Domino Community

developerWorks Lotus



ca. January, 1997

dave Newbold
barb Mathers
murray Hurvitz



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Lotus Notes / Domino Community

Das Notes Forum

developerWorks

IBM's resource for developers and IT professionals



PLANET LOTUS


This week in Lotus



OpenNTF.Org



IdoNotes (and sleep)

 **Lotus Greenhouse** *Where Ideas come to grow*

Lotus Greenhouse is a live community website where you can use Lotus Collaboration Products for free! Join the community to exchange ideas, collaborate with others, and share information on innovation and collaborative products.



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Lotusphere Slogans 1993 - 2011

- 2011 - Get Social. Do Business
- 2010 - Lotus Knows
- 2009 - Resonance
- 2008 - Emergence
- 2007 - IT revolves around you
- 2006 - Future In Sight
- 2005 - Envision Decisions
- 2004 - The Workplace for Innovation
- 2003 - The essential human element
- 2002 - Proof Positive
- 2001 - In the Know
- 2000 - Looking Forward
- 1999 - A Part of Every Decision
- 1998 - Cultivate your senses
- 1997 - Pool of knowledge
- 1996 - More insight. More answers. More opportunity
- 1995 - A Worldwide Business and Educational Conference
- 1994 - None
- 1993 - A Worldwide Business and Educational Conference



This is it ...

Contact me:

Mail: ulrich.krause@eknori.de

Twitter: Eknori

**Thank you
dank u wel
merci
Vielen
Dank**



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