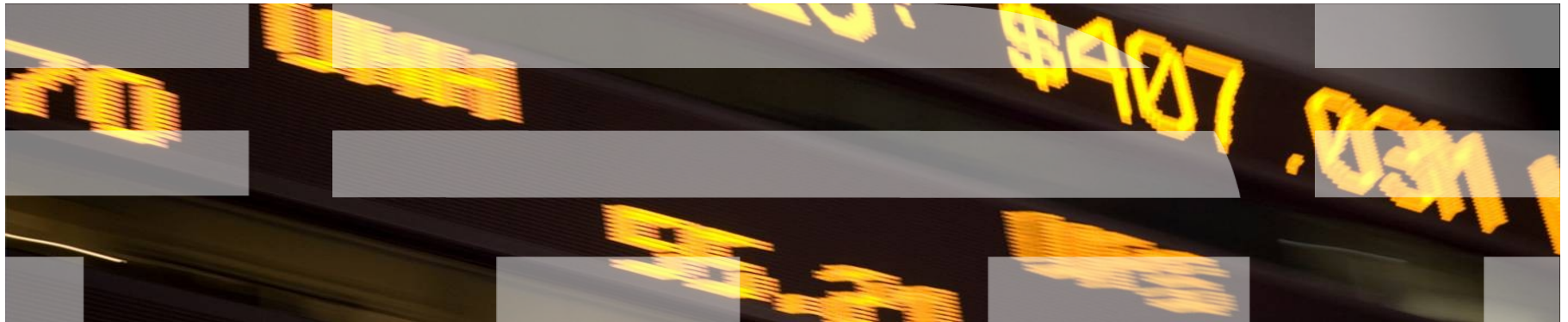


Collaboration meets Reliability

Enterprise 2.0 Collaboration on Linux for System z



Agenda

- Linux on System z
- IBM SWG Brands
- IBM Middleware
- Lotus Products
 - Lotus Domino
 - Lotus Forms
 - Lotus Connections
 - and more ...

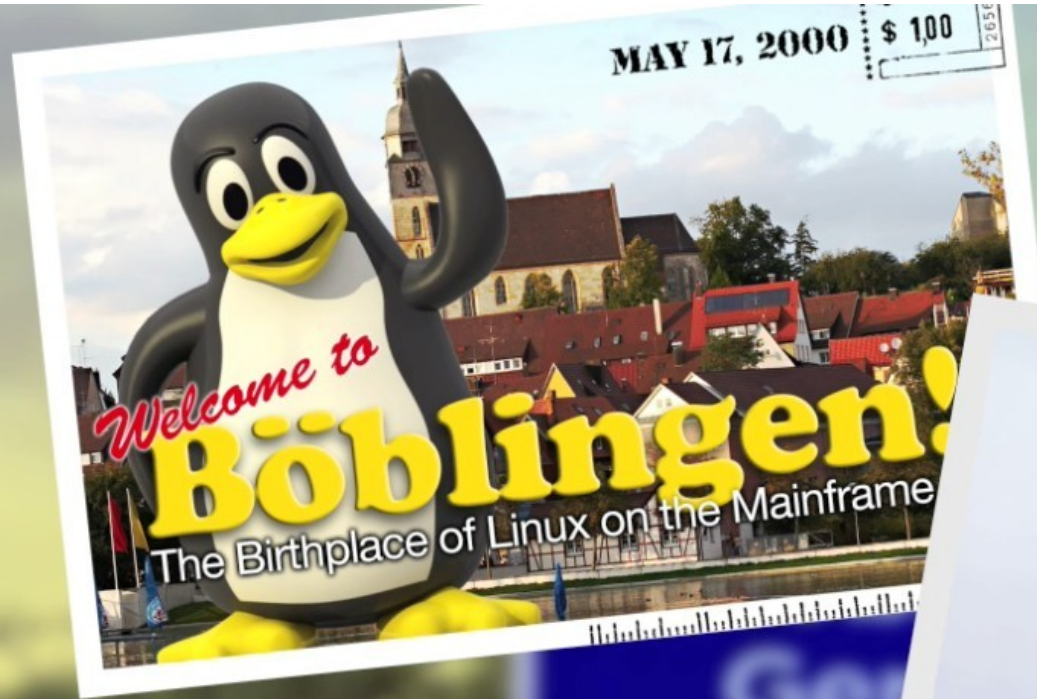


Frank Heimes

Senior IT Architect @ LIC Europe
(Linux Integration Center)
120-4597 / 49-7031-16-4597
I am available

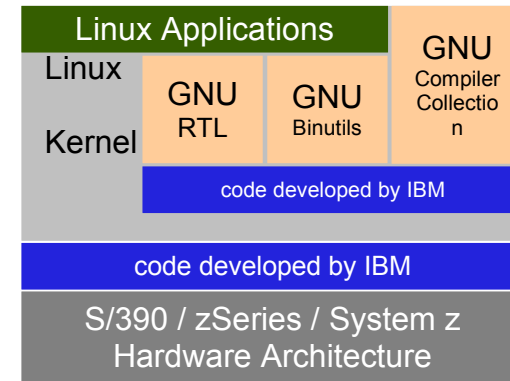


10 Years Linux on System z



What is Linux on System z?

- How do we name it?
 - **Linux on System z** (or zSeries) refers to Linux on the mainframe in **general**
 - **Linux for System z** (or zSeries) refers to a **64-bit** Linux distribution for Linux on System z (Machines: z10 EC, z10 BC, z9 EC, z9 BC, z990, z890, z900, z800 Linux architecture: s390x)
 - **Linux for S/390** refers to a **31-bit** distribution for Linux on System z (Machines: 9672, G5, G6, and Multiprise Linux architecture: s390)
- Port of the open source GNU/Linux operating system to the System z architecture
- Pure Linux – it's an ASCII environment like other Linux too
- Natively exploits IBM System z hardware – no emulation
- Runs native, in an LPAR or virtualized under z/VM
- Design Principles of Linux on System z:
 - Not a unique version of Linux (no changes to the standard)
 - No changes regarding Look & Feel
 - Not a replacement for an other IBM eServer operating system
- ... and what gets Linux from System z ?



Initially the System z related code was less than 1% !

	Total loc	System z loc	% of code
Linux Kernel	2,300,000	45,000	2.0
gcc	1,700,000	9,000	0.5
gdb	1,500,000	8,000	0.5
glibc	1,200,000	5,000	0.4
binutils	800,000	6,000	0.75
strace	41,000	200	0.5
	7,441,000	73,200	0,987... < 1%

Synergies between Linux and System z



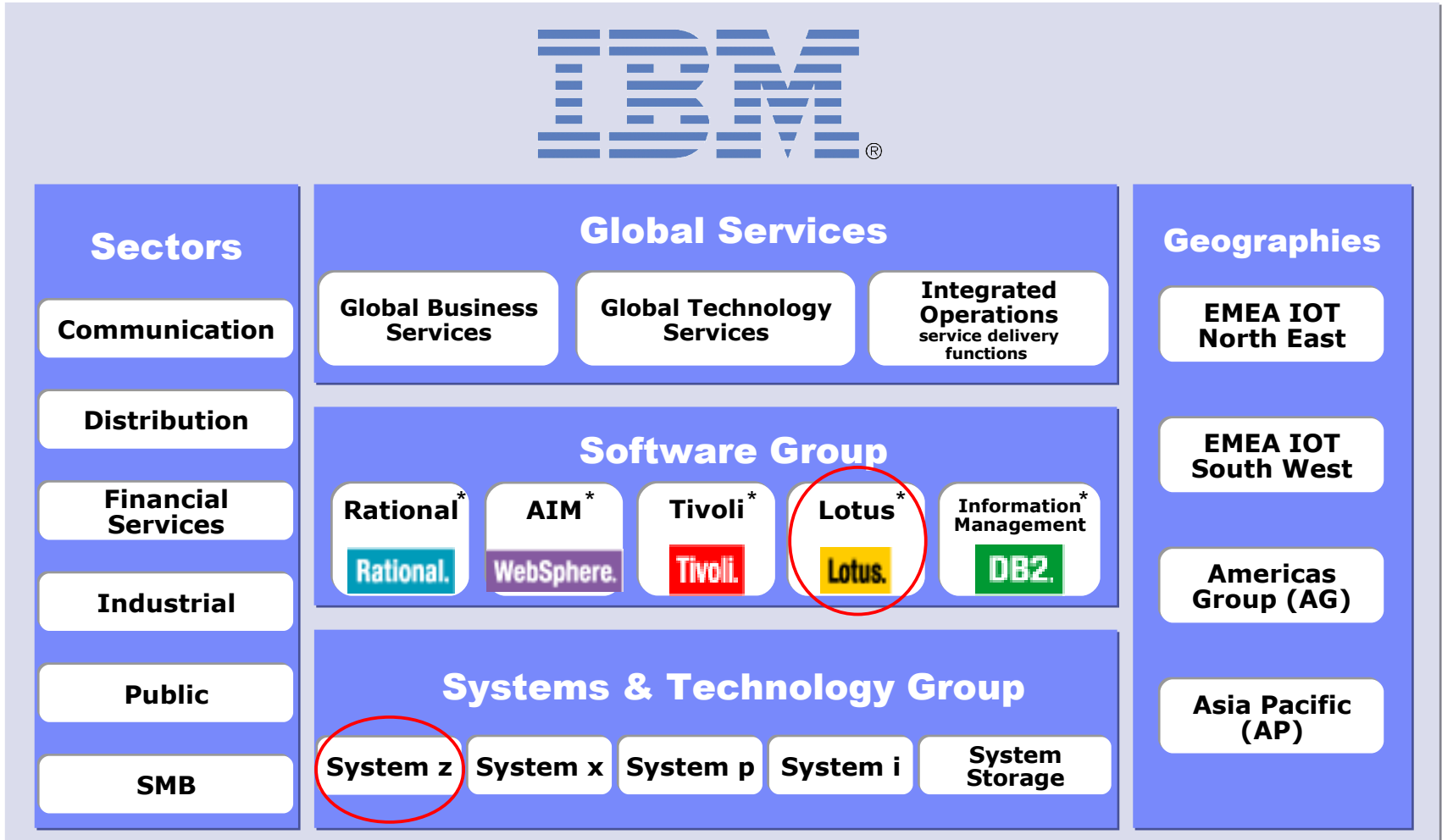
• What Linux brings to System z

- Open Standards
- Open Source software
- One common operating system across all architectures
- Rapid innovation from the Linux and Open Source community
- Large portfolio of applications, tools and enablers
- Large numbers of trained programmers and administrators

• What System z brings to Linux

- The most reliable hardware available anywhere
- The most secure hardware
- Complete workload isolation
- Unmatched scalability
- The ability to run many (100s) Linux servers on a single hardware platform
- High speed inter-server connectivity
- Designed to support multiple diverse workloads
- Simplified systems management

The IBM Corporation



Five Focus Areas of IBM Software

Business-Driven Development

Rational software®

Integration & Business Flexibility

WebSphere software®

Information Management

Information Management software®

Collaboration

Lotus software®

Service Management

Tivoli software®

Connecting people to business processes and information

Portals & Dashboards

- Deploy role-based work environments and speed time-to-value with portals, dashboards and composite applications to multiple platforms including mobile

Email, Calendaring, and Team Collaboration

Instant Messaging & Web Conferencing

- Real-time communication and collaboration

Enterprise Social Software

- Gather and exchange information through professional networks and build communities of experts

IBM Software Products for Linux on System z – non-complete list (80)

WebSphere / AIM

CICS Transaction Gateway
 IBM Java SE
 WebSphere Application Server
 WebSphere Application Server ND
 WAS Community Edition
 WebSphere Extended Deployment
 WS Business Events
 WS Business Modeler Publishing Server
 WS Business Monitor
 WS Business Services Fabric
 WS Commerce
 WS Enterprise Service Bus
 WS Message Broker
 WS MQ
[WS MQ File Transfer Edition](#)
 WS Process Server
 WS Service Registry & Repository
[WS sMash](#)

Information Management

Alphablox
 Cognos 8 Business Intelligence
 DataQuant
 DB2 for LUW
 DB2 Connectit
[Content Integrator](#)
 DB2 Content Manager
 DB2 Content Manager OnDemand
 Filenet P8
 • Content Manager
 • Records Manager
 Information Server
 • WS DataStage
 • WS Federation Server
 • WS QualityStage
 Informix Dynamic Server
 InfoSphere Master Data
 Management Server
[InfoSphere Warehouse on System z](#)

STG & GTS

IBM Active Energy Manager
[IBM VMControl – Image Manager](#)
 IBM Systems Director
 IBM Integrated Removable
 Media Manager
 z/VM

Lotus / Workplace

Lotus Domino
 WebSphere Portal
[Lotus Forms](#)
[Lotus Connections](#)

Rational

Asset Manager
 BuildForge
 ClearCase
[Team Concert for System z](#)

Tivoli

Service and Process Automation

- Application Dependency Discovery Manager
- Business Continuity Process Manager
- Change & Configuration Management Database
- Dynamic Workload Broker
- Provisioning Manager
- Provisioning Manager for SW (TCM)
- [Provisioning Manager for OS Deployment](#)
- Release Process Manager
- Service Request Manager
- [Service Automation Manager \(TSAM\)](#)
- System Automation
- System Automation Application Manager
- Workload Scheduler

Service, Availability and Performance Management

- Business Systems Manager
- Composite App Manager
 - for Appl Diagnostics
 - Web Resources
 - WebSphere
- for SOA
- Monitoring
 - for Applications
 - for Databases
- NetView
- OMEGAMON XE for z/VM and Linux

Security Management

- Access Manager
- Director Integrator
- Director Server
- Federated Identity Manager
- Identity Manager

Network Management

- Enterprise Console
- NetCool/Omnibus
- Network Manager IP Edition

Asset Management

- Asset Management for IT
- Maximo Asset Management
- License Compliance Manager
- Usage and Accounting Manager

Storage Management

- Storage Manager
- [TPC Agent](#)

IBM Software for Linux Middleware Matrix

<http://www.ibm.com/linux/matrix/>

United States [change] [United States]

Home Solutions Services Products Support & downloads My IBM Welcome Mr. F

Linux & IBM

IBM Solutions for Linux

- IBM Systems
- IBM Software
- IBM Services

IBM & the Linux Community

Linux distribution partners

Migrating to Linux

IBM Linux Technology Center

IBM Linux Integration Center

Drivers & technical resources

Linux & IBM News

The Linux Library

Global Linux Portals

Additional Links

- IBM Smart Planet
- Linux for Business Partners
- developerWorks

IBM & the Linux >

IBM Software for Linux

IBM Middleware Available on Linux

The IBM Middleware Available on Linux matrix provides information regarding IBM Middleware availability on Linux. You can find information such as:

- Product name and version
- Links to product pages
- Linux distribution and kernel support
- Related sources of additional information: announcement letters, product matrix, download Web sites, FAQs, release notes

All this information is available in this [PDF file \(.17MB\)](#), which was last updated Sep 13, 2009.

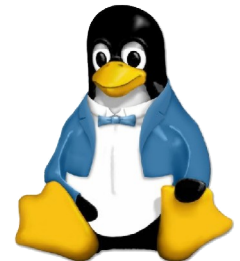
New hardware category: POWER

The IBM Middleware Available on Linux matrix now includes a new inclusive hardware category known as POWER. Linux on POWER includes support for Linux on iSeries, Linux on pSeries, Linux on OpenPOWER, and Linux on JS20 blades. Can't find the product that you are looking for under pSeries and iSeries? Check under the POWER hardware category. Many products have been reassigned to POWER.

Powered by Linux

Linux is a registered trademark of Linus Torvalds

<http://www.ibm.com/linux/index.html>



IBM Middleware – Lotus software

- **Lotus Domino**
- **Lotus Forms**
- **Lotus Connections**
- Lotus Workflow (Engine Server)
- WebSphere Portal
- Lotus Web Content Management
- More to come ...

<http://www.ibm.com/software/os/linux/software/lotus.html>

IBM Middleware – Lotus software

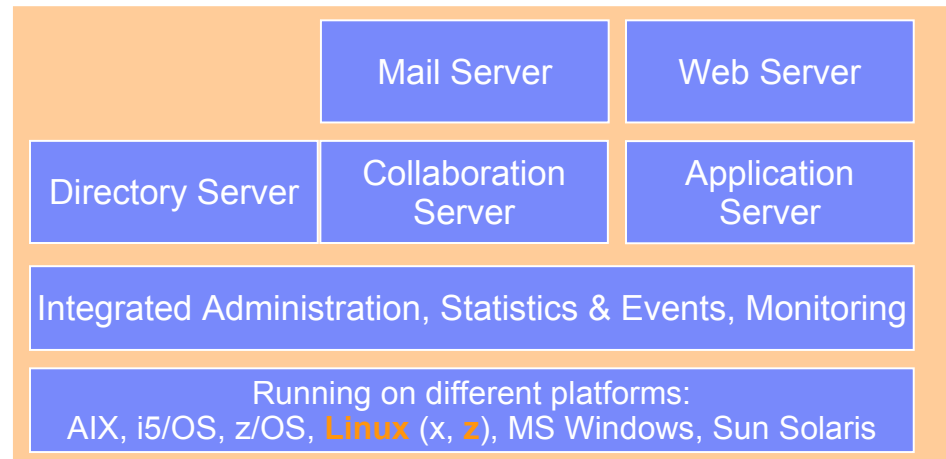
- **Lotus Domino**
- **Lotus Forms**
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<http://www.ibm.com/software/os/linux/software/lotus.html>

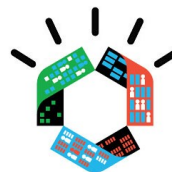


- **Lotus Domino - More than just Mail**
- Outstanding Reliability
- Unmatched Security
- Best of breed virtualization technology with z/VM
- Portable skill base
- Lotus Domino Server for Linux on System z **8.5 and higher:**
 - Increased memory availability through full 64-bit support
 - Outstanding scalability (scale up and scale out)
 - Increased disk space saving by:
 - Disk space compression capabilities
typical disk space savings range from 40% to 60% (may vary)
 - Lotus Domino attachment and object service (DAOS)

Choose your Client: Lotus Notes (Windows, Linux und Mac), Domino Web Access, POP3/IMAP, Mobile Devices, MS Outlook



<http://www.ibm.com/software/lotus/products/domino/>





- Lotus Domino Messaging Server
 - Server for business e-mail, calendar, scheduling, discussion databases
- Lotus Domino Utility Server
 - Option for deploying non-mail collaborative applications inside and outside your company
- Lotus Domino Enterprise Server
 - Messaging server plus highly available platform to run custom or vendor applications Domino Enterprise

<http://www.ibm.com/software/lotus/products/domino/>

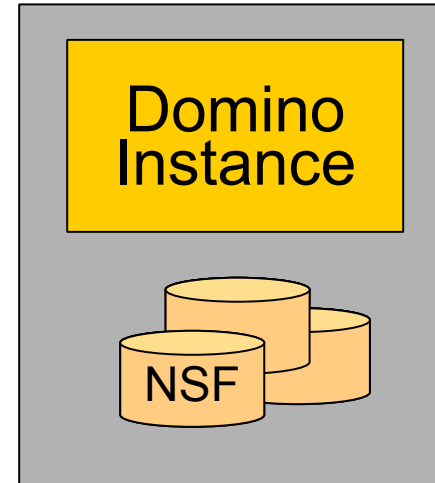
IBM Lotus Domino Deployment



Lotus software

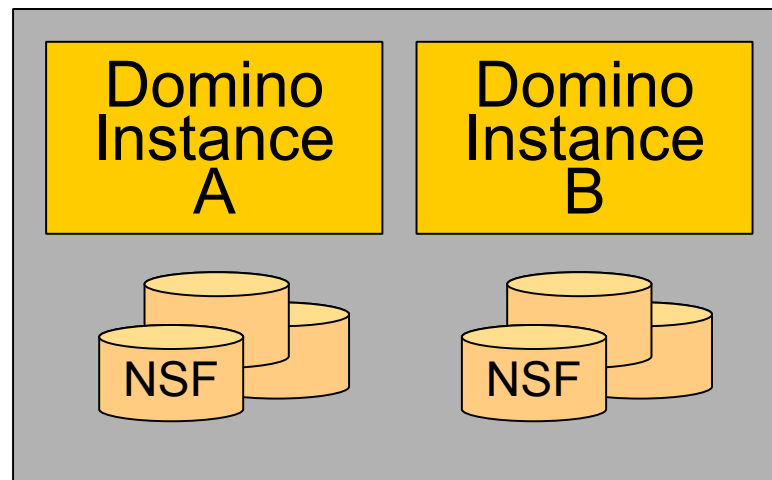
Single Server

- Single Domino instance on one machine



Partitioned Server

- Several Domino instances on one machine
- Supported by Domino Messaging Server, Utility Server and Enterprise Server
- Better hardware utilization
- Provides Scalability and Isolation

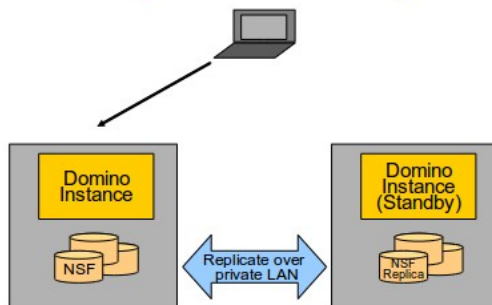




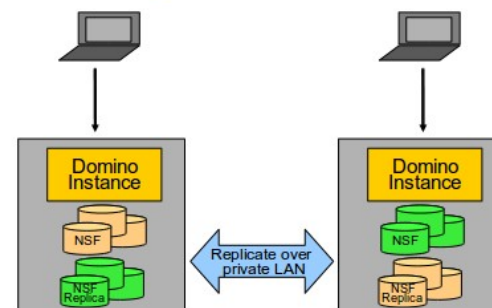
Domino Clustering

- High Availability of critical databases (mail and applications)
- Fail over and Workload Balancing
 - Active/Hot-Standby
 - Active/Active
- Supported by Domino Utility Server and Enterprise Server
- Use of any supported hardware and operating system
- Can be combined with operating system cluster

Domino Clustering – Active / Hot-Standby



Domino Clustering – Active / Active





- **Reduce administrative and licensing costs**
- **On/Off Capacity on Demand**

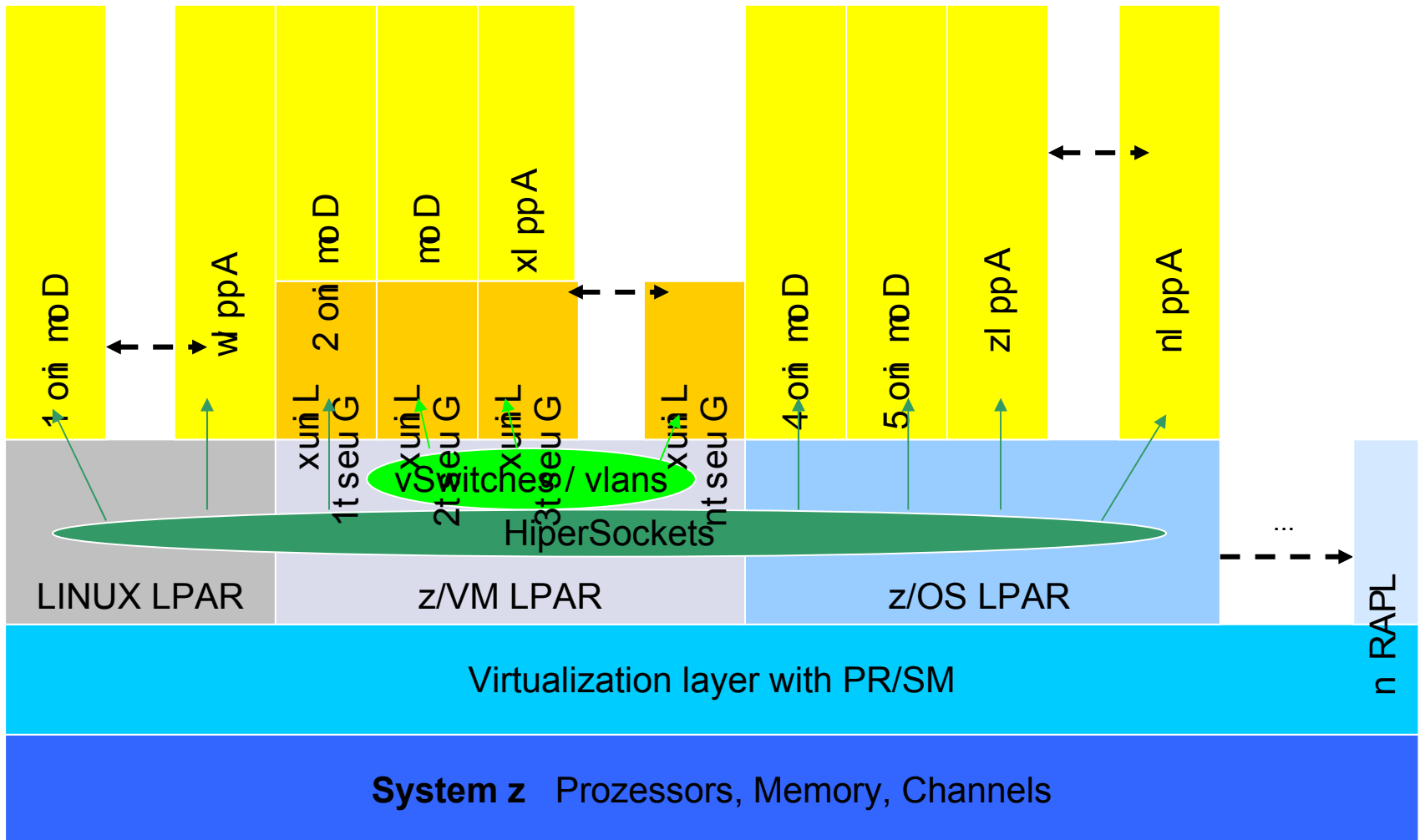
- **Consolidate existing Domino Servers on a single box**
 - Keep existing logistical structures
 - Eliminate network traffic – running in memory
 - Running on LPAR and/or z/VM

- **Consolidate number of Domino Servers**
 - Migrate servers to System z platform and reduce number of Domino Servers by using scalability of System z
 - Possible using LPAR and z/VM

IBM Lotus Domino Resource Sharing



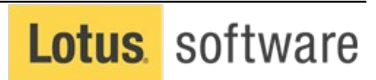
Lotus software



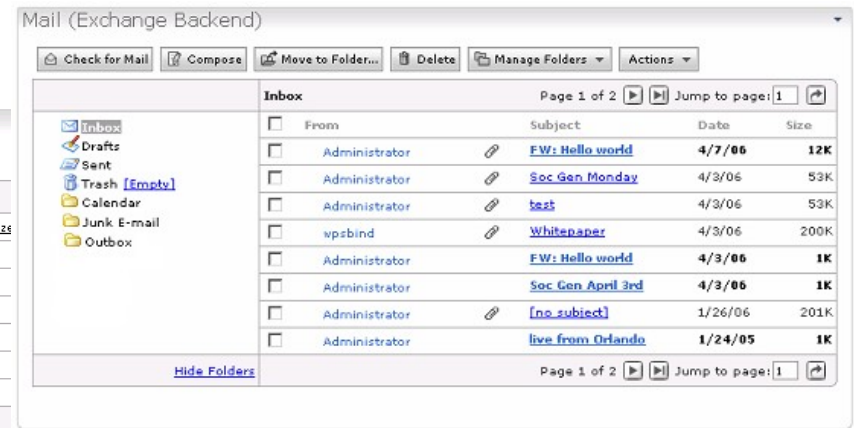
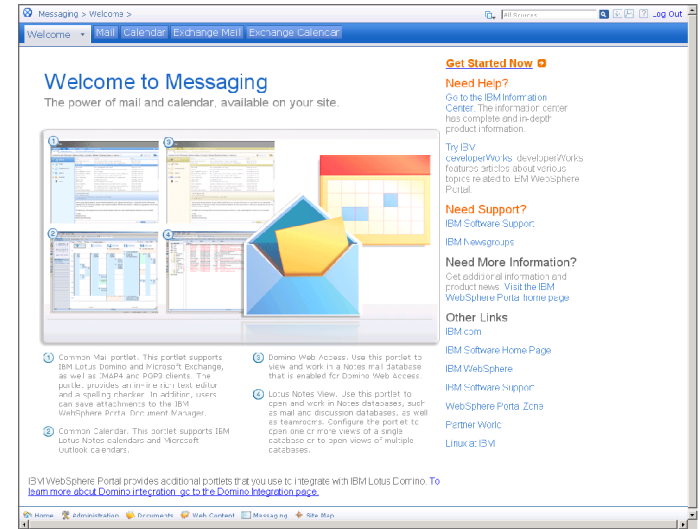


- **Virtualize a large number of images using z/VM**
 - Configure different guests for production, development and test environments
 - Set different priorities
- **Combine advantages of Linux and System z**
 - High Security Level:
 - EAL 5 Certification for LPAR-Security
 - EAL 4+ Certification for SUSE Linux Enterprise Server and Red Hat Enterprise Linux
 - Load separation between guest images
- **Reuse existing Linux skill**
- **Scale-Up and Scale-Out**
 - Dynamically add resources (Capacity on Demand)
 - Add users to existing Domino partition
 - Vertical scaling of Lotus Domino by adding new Domino partitions to an existing Linux system running Domino, or by adding additional resources (like main memory or CPUs)
 - Horizontal scaling by adding new Linux-based Lotus Domino guests – cloning of Linux virtual servers

IBM WebSphere Portal Common PIM Portlets



- Portlet application delivered with **WebSphere Portal V6**
- Provides a Browser client user interface to **Mail and Calendar functions**
- Can connect to multiple Email service providers, including **Domino, Exchange, POP3 and IMAP**



WebSphere Portal and Lotus Domino Further Options for Integration



- IBM WebSphere Portal can use the Lotus Domino LDAP Directory as user repository
- IBM WebSphere Portal (and other products) can use the Lotus Domino HTTP Server as external web server
- Configure Single-Sign-On based on LTPA for better user experience
- Domino Extended Product Portlets (DEPP)
 - Domino Web Access Portlet
 - Notes View Portlet

IBM Middleware – Lotus software

- Lotus Domino
- Lotus Forms
- Lotus Connections
- Lotus Workflow (Engine Server)
- WebSphere Portal
- Lotus Web Content Management
- More to come ...

Mountain-Sure INVESTMENTS Brokerage Account Application

INVESTMENTS Check Writing Account? Yes No Portfolio Account? Yes No

Account Type Individual Estate* Partnership* Custodian for a Minor Collateral *Additional Documents Required
 Joint Tenants Trust* Corporation* Charitable Organization* Investment Club

Applicant Information Required by MSRB Rule 0-902(a) and NASD Rule 2310

First Name: Richard Initial: Last Name: Smith SSN: 999-99-9999 Date of Birth: 04-15-1964 Business Phone: () -
Mailing Address: 123 Electric Form Ave City: Springfield State: MA ZIP Code: 01111-1234
Legal (Street) Address (Required in additons P.O. Box #): 123 Electric Form Ave City: Springfield State: MA ZIP Code: 01111-1234
Employer: PureEdge Solutions Occupation: Doctor City: Springfield State: MA Citizenship: U.S.

Are you or joint applicant employed by a member firm of a stock exchange, a municipal securities dealer or other securities broker or dealer? Yes, Co. No
Are you or joint applicant a director, 10% or greater shareholder or policy making executive officer of a publicly traded company? Yes, CUSIP No
I want my name, address, and securities positions disclosed to companies in which I own securities that are registered in nominee or street name. Yes No

Financial Information

Years of Experience: Tax Bracket: % Beneficial Account Owner:
I have the following investment objectives:
 Preservation of Capital (Investment Grade Bonds) Speculation (Options & Futures)
 Capital Appreciation Tax Advantaged Income
 Income (Bonds, Mortgage Backed Securities) (Mutls & Fixed Annuities)
Annual Income (in \$1,000s): Liquid Assets (in \$1,000s): Net Worth with Residence (in \$1,000s):
Risk Tolerance: Time Horizon:

Instructions for Payments & Safekeeping

Securities Settlement Instructions: Money Settlement Instructions (pick one option only):
Money Market Fund Sweep Regular taxable MMF

Banking/Brokerage Reference

Bank or Brokerage Firm: City: State: Account #:

T.I.N./Backup Withholding Certification Please READ the following before entering into any transaction or signing this agreement.
(Cross out item (2) if subject to backup withholding.)
Under penalties of perjury, I certify:
 (1) that the number shown on this form is the correct taxpayer identification number (T.I.N) and
 (2) that I am not subject to backup withholding either because I have not been notified that I am subject to backup withholding as a result of failure to report all interest or dividends, or the Internal Revenue Service has notified that I am no longer subject to backup withholding.
I acknowledge that the attached form of application contains a substitute Form W-9 as well as the terms and conditions under which my account will be managed.
I further acknowledge that the Internal Revenue Service does not require my consent to any provision of the attached application other than the certification required to avoid backup withholding.

To: Mountain-Sure Investments
In consideration of your accepting this brokerage account, I (we) hereby acknowledge that:
(1) (we) have received, read, understand and agree to the terms set forth above and in the Customer Agreement printed on the reverse of this application, including the predispute arbitration clause as found in paragraph 10.
(2) (we) authorize the manual or electronic transfer of funds between accounts on this application. All persons must sign if this is a joint account.
(3) Mountain-Sure Investments (MSI) is a member of the NASD & SIPC.
(4) mutual funds, annuities and other investment products are "not FDIC insured," not deposits or obligations of or guaranteed by any bank, and may involve investment risk, including possible loss of the principal amount invested.
(5) Brokerage services and products are offered through Mountain-Sure Investments.

Applicant: X Date: Joint Applicant: X Date:
Brokerage Accounts Representative: X Date: Approving Principal: X Date:

Account are carried by MSI. Member NYSE/NASD/SIPC

<http://www.ibm.com/software/os/linux/software/lotus.html>



Lotus Forms

IBM® Lotus Forms™ helps reduce the time, costs, and problems **inherent** to manual, paper-based forms processes.

Providing far more than simple electronic print and file capabilities, IBM Lotus Forms aids in **streamlining** and **automating** end-to-end business processes that are initiated by forms.



- Presentation Layer
- Business Logic
- Data Instances
- File Attachments



Lotus. Forms

Value of Forms

The costs of using and processing paper forms in many organizations today is staggering

- A single paper form costs \$30-\$165 to use, enter, process and retain
- \$22.5B is spent on pre-printed forms in the USA alone
- 30% of pre-printed forms are wasted

The “Real” Cost of Paper:



Paper
Printing
Copying
Faxing
Mailing
Courier
Storage
Disposal

Lotus. Forms

Why Lotus Forms - enterprise eForms?



- Provides auditable, compliant records though military grade security



- Cuts cost by eliminating paper



- Reduces transaction times and error rates via straight through processing of data



- Lowers TCO through browser based access



- Provides pixel perfect eForms or simple web forms for LOB and IT



- Offers advanced scalability.

Lotus Forms Data-Sheet:

<ftp://public.dhe.ibm.com/common/ssi/pm/sp/n/lod14012usen/LOD14012USEN.PDF>

What does Lotus Forms provide?



Efficiency

- ✓ A forms-based **human interface for business process automation** and SOA
- ✓ **Leverage existing IT investments** by extending the reach of existing applications
- ✓ Captures **complete and accurate data** at the source



Customer Service

- ✓ Simplifies forms for users, **saving time and effort**
- ✓ Use Web-based services to **reduce transaction cycle times** and improve customer satisfaction



Agility

- ✓ Leveraging Service Oriented Architectures **helps us react quickly** to changing business conditions
- ✓ Eases **regulatory compliance** by creating complete, auditable transaction records

Employee Personal Data Form

General Info

Name: [Text] [Initials] [Middle] [Last] [Suffix] [Suffix] [Suffix]

Birthdate: [Month] [Day] [Year] [MM/DD/YYYY]

Citizenship: [Country] [State] [City] [County] [VISA info]

Contact Info

Residence Address: [Street] [City] [State] [Zip]

Business Address: [Street] [City] [State] [Zip]

Emergency Contact

Name: [Text] Relationship: [Text]

Telephone Number: [Text]

Emergency contact email: [Text]

renovations

The Renovations management team invites you to provide input for a company-wide green initiative. Please take a few minutes to fill out the survey below.

1. What is the most important green issue facing the Renovations company today?

2. Please select three green initiatives which you believe deserve the highest priority:

- Energy conservation
- Water conservation
- Clean air and water emissions
- Indoor environment
- Environmental management
- Waste reduction

3. Do you have an idea for a Renovations green initiative?

Yes

No

If yes please write a brief description.

4. What do you think is a no Renovations to reach its green goals?

5. How effective are Renovations current green practices?

Need improvement

Good enough

Very effective

6. Please leave your email address if you'd like to join the green initiatives task force!

[Submit]

Alternative Action Information

It is equally employment processes with the company it is important for you to complete this page. Items on this page are used to facilitate the Alternative Action Program. This is not subject to equal opportunity laws, however, your response is important to the success of our Alternative Action Program and our meeting equal opportunity requirements. Any information you provide will remain confidential in accordance with applicable federal regulations. Your employer will not be adversely affected by any information you provide.

Gender: Female Male

Race: American Indian Black/African American Chinese/Asian Hawaiian or Other Pacific Islander Other Race Asian Multi-Racial

Disability: Not disabled Disabled

Veteran Status: Not a veteran Member of the Veterans-Eis Veteran (other than Veteran) Other protected veteran

Have you ever been employed by our Company? No Yes

Do you have relatives working in our Company? No Yes

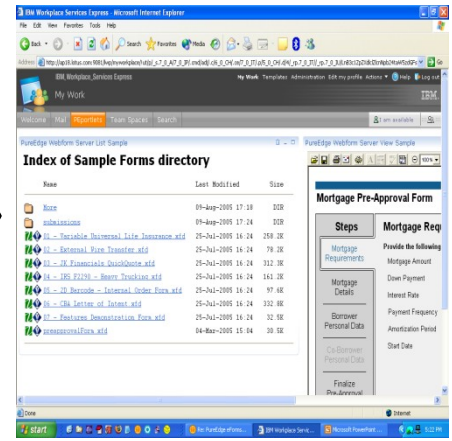
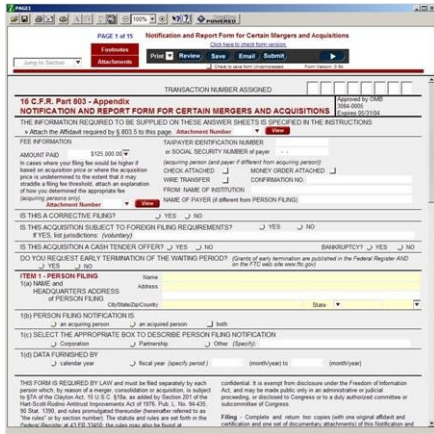
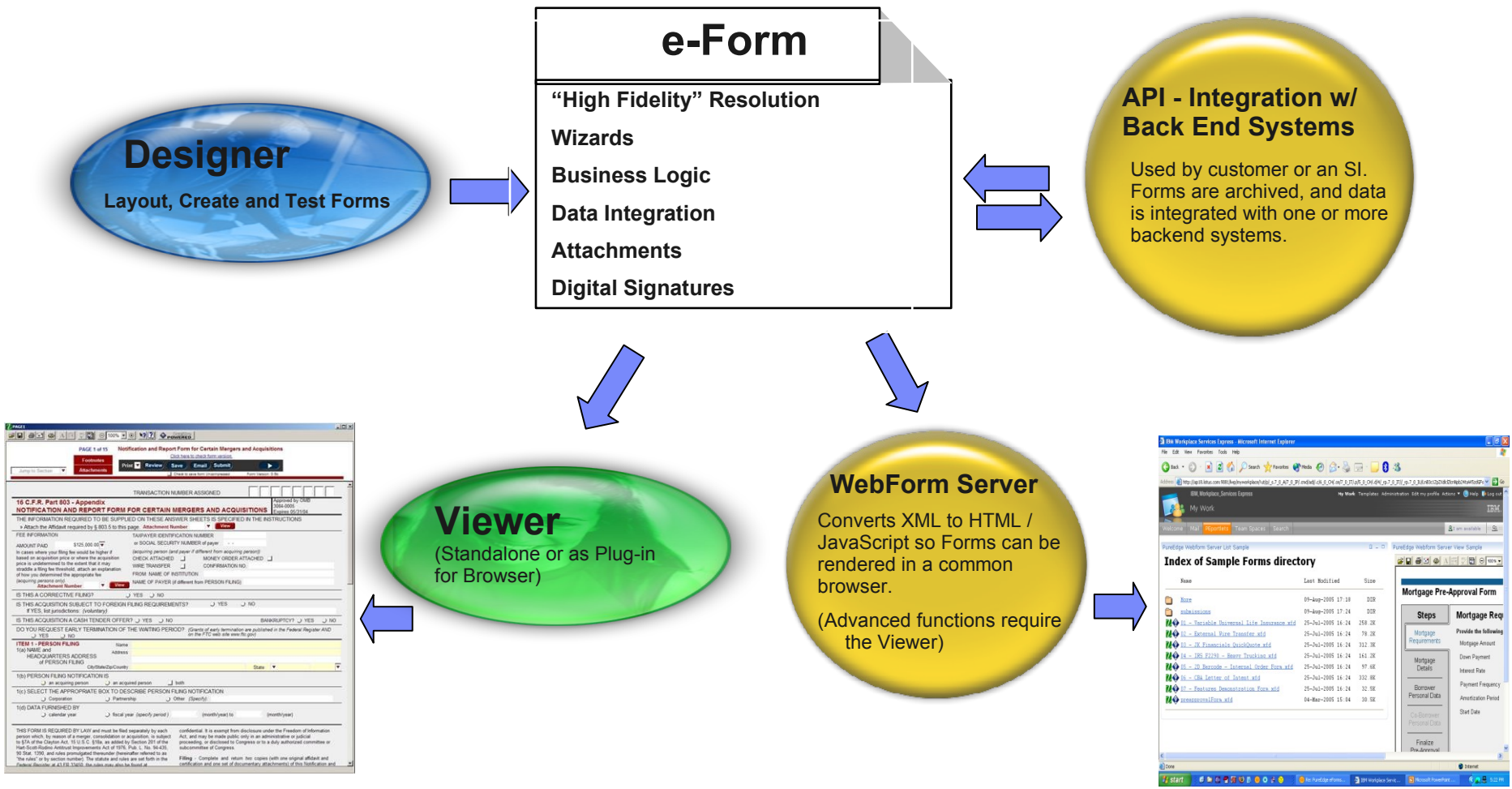
Employee Signature: [Text] Date: [Text]

Manager Signature: [Text] Date: [Text]

Lotus Forms Suite Forms Solution

- **IBM Lotus Forms Server** – Consists of four components:
 - IBM Lotus Forms Server – **API**
API provides low level access to XFDL forms in Java™, C, and COM.
 - IBM Lotus Forms Server – **Forms Services Platform**
Lets developers integrate and extend Forms products with other systems.
 - IBM Lotus Forms Server – **P8 Integrator**
For using Forms with FileNet® P8 Workplace™ AE 4.0.2 (P8 Application Engine) or Workplace XT™ 1.1.3 of P8 Content Manager 4.0.1 SP™ 1.
 - IBM Lotus Forms Server – **Webform Server**
Translates XFDL documents into HTML/JavaScript documents; allows users to view, fill out, sign, and submit XFDL documents using only a Web browser.
- **IBM Lotus Forms Designer**
WYSIWYG design tool that allows you to build forms by dragging and dropping items from a palette of choices.
- **IBM Lotus Forms Viewer**
Provides a single interface for users to open, fill out, and save forms.
(Stand-alone or Web-browser based – both provide full functionality)
- **IBM Lotus Forms Turbo**
Provides management of the entire forms lifecycle in a single, easy-to-use Web-based application.

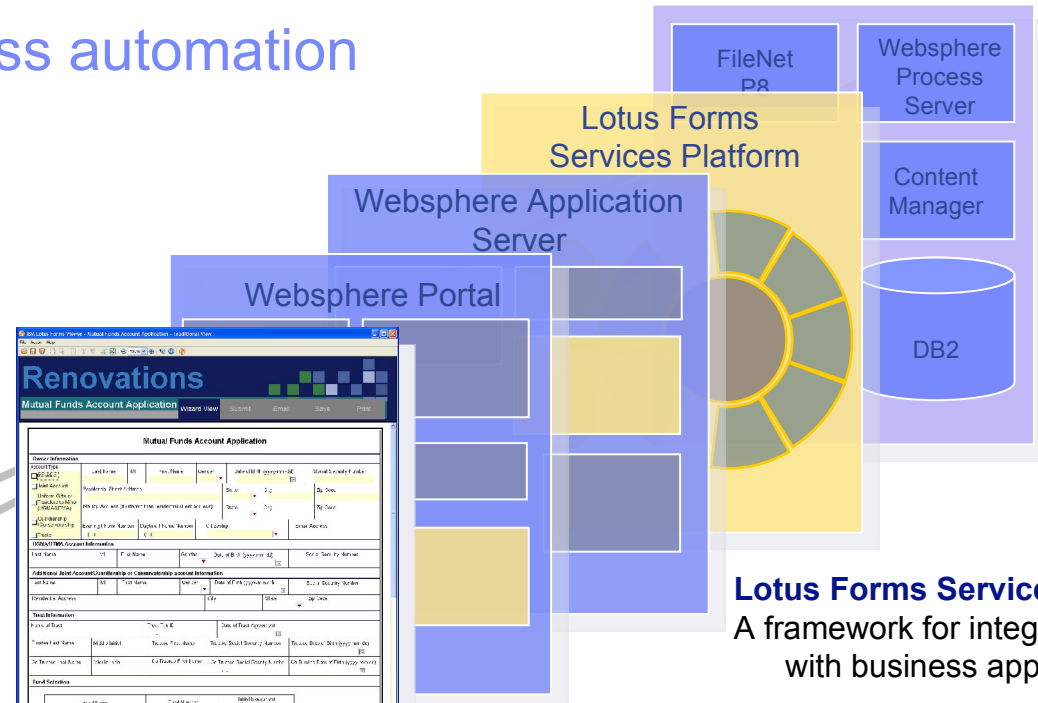
Lotus Forms – System Overview



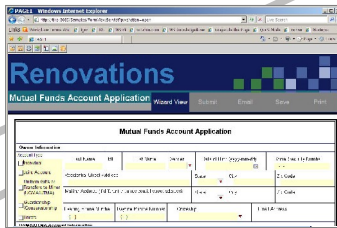
Lotus Forms

The front end of process automation

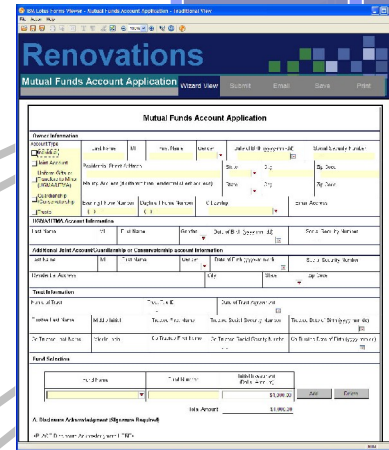
Lotus Forms provides an easy to use front end to SOA and BPM to **extend, streamline and automate** business processes.



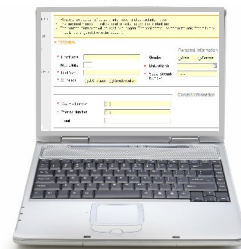
Lotus Forms Services Platform
A framework for integrating forms with business applications



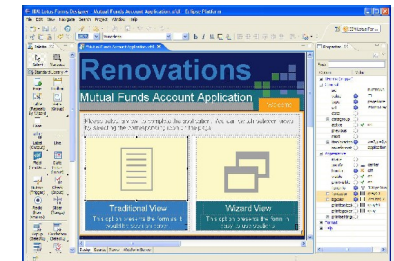
Lotus Forms Webform Server
A Web 2.0 client for inside or outside the corporate firewall



Lotus Forms API
Allows your Web application to manipulate Lotus Forms

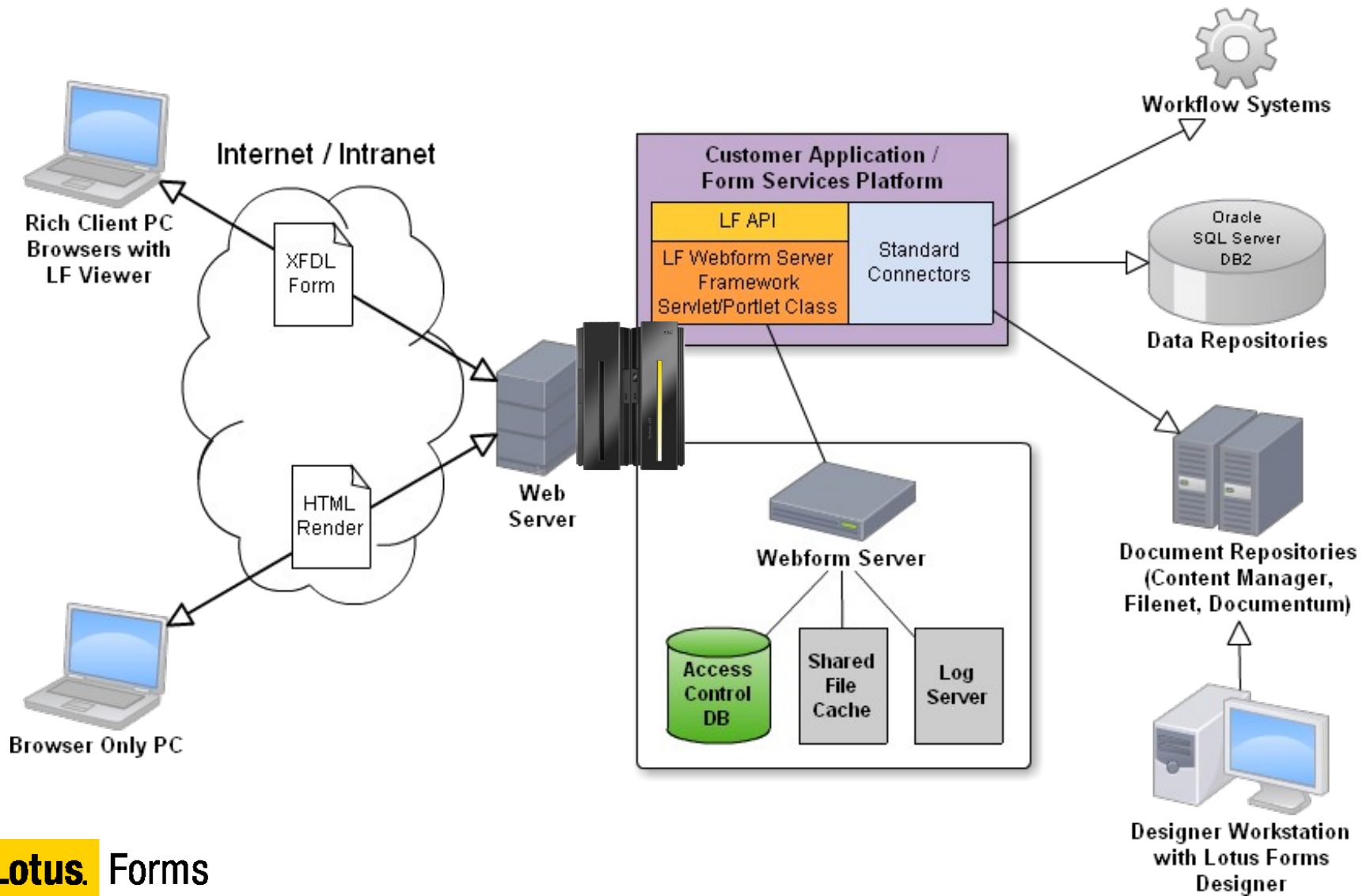


Lotus Forms Viewer
A rich client for mobile or disconnected users



Lotus Forms Designer
An Eclipse-based, drag-and-drop forms editor.

Lotus Forms – Architecture



Where are Lotus Forms used?

Lotus Forms is used to streamline forms processes throughout industry and government.

Public Facing

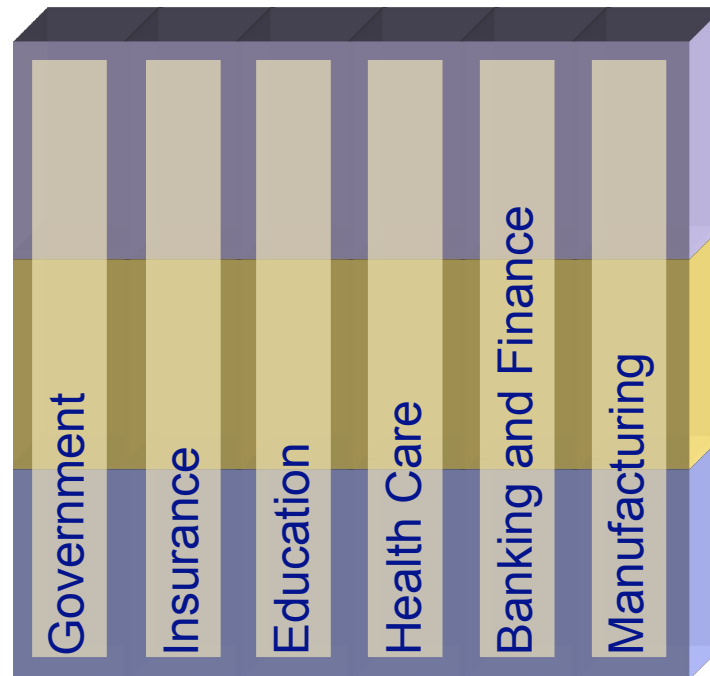
- Customer / Prospect / Partner / Citizen
- Scalability and Security
- Standards & Usability

Industry Drivers

- Legislation
- Industry standards
- Scalability and robustness

Internal Processes

- Cross-Platform
- Cross-Function
- Great place to start



Typical Form-Driven Processes

- Health & Safety compliance
- Threat and Risk Assessment
- Supplier Management
- Leave Request and Approval
- Travel Request and Approval
- Procurement Approval
- Time Recording & Approval
- Performance Management
- Personnel Profile and Updating
- Records Management
- Contract Management
- Forms Management
- Compliant Document Generation

“More than 80% of the processes in public and private businesses depend on forms.” - IDC

Lotus Forms Supported Signatures

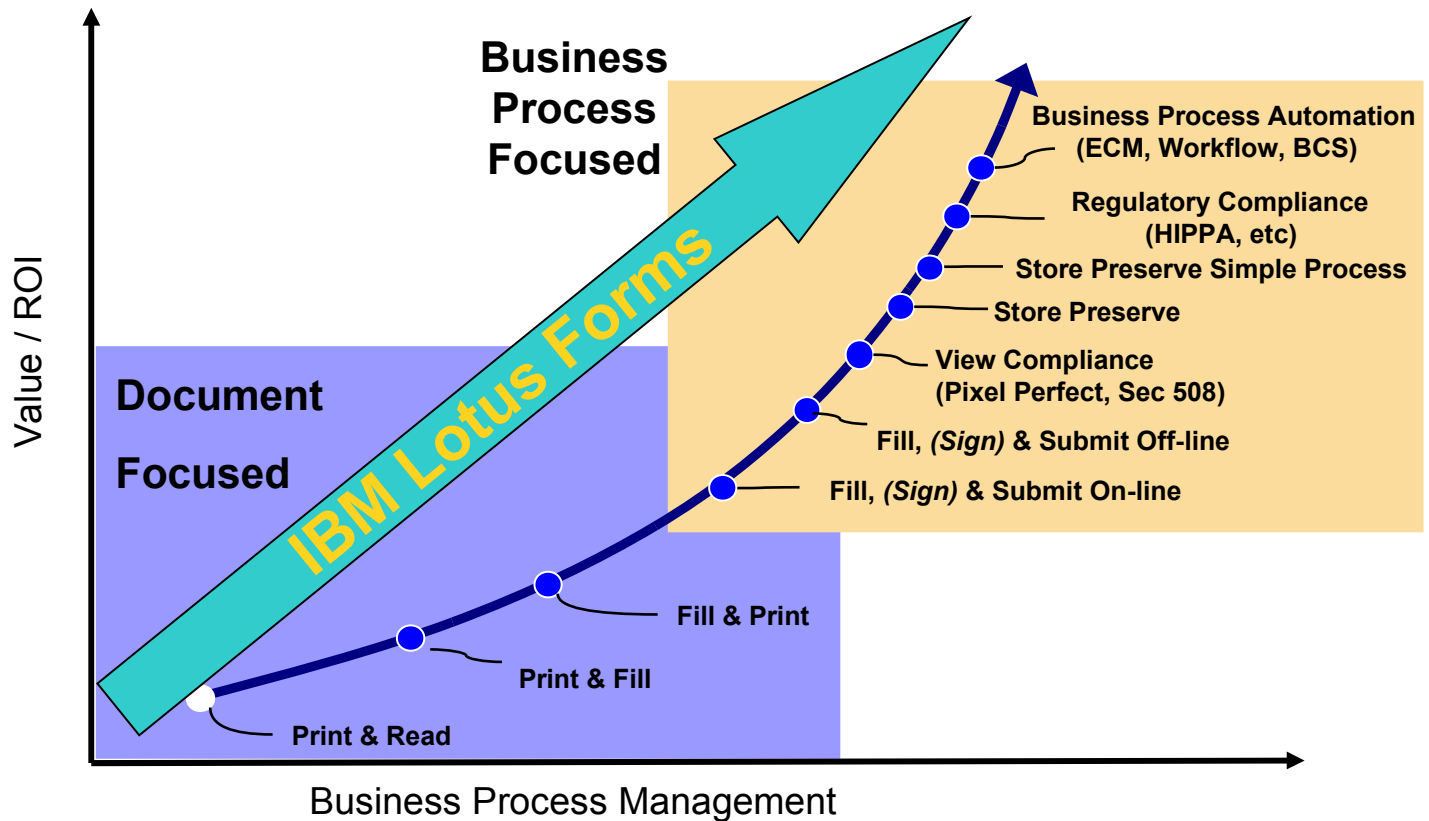
Signature type:

- Generic RSA (default)
- Authenticated Clickwrap
- Microsoft® CryptoAPI
- Netscape signatures
- Entrust
- Clickwrap
- Silanis
- XML Digital Signature (DSig)

Note: XML DSig is not a signature engine itself, but a set of rules that determines what should be signed. An external signature engine, such as Generic RSA, Microsoft CryptoAPI or Netscape, is used to sign the form.

Lotus Forms – Process Integration

Seamless integration provides a complete solution to accelerate business process automation



Tight integration of Lotus Forms with BPM Middleware like WebSphere and FileNet reduces costs associated with building high value, process centric solutions

Lotus. Forms

Lotus Forms – International Reference Customers are achieving significant cost savings and operational efficiency

The Client

The Solution

The Return on Investment



Enterprise Lotus Forms deployment:
18,000 forms, serving 700,000
employees globally

ROI \$50 Million annually. (Army is
estimating \$1 billion+ payback,
serving 1.5 million users)



**Securities & Exchange
Commission (SEC)**

Financial disclosure Lotus Forms
solution serving 27,000+ publicly traded
companies within US Markets

Estimated annual cost savings to
taxpayers of \$1.8 million



**Woodmen of
the World**

Intuitive wizard based Lotus Forms
solution guiding insurance agents
through policy application process with
real-time data validation

Policy application process time
reduced from weeks to hours with
electronic e-Pad integration

Lotus Forms

Lotus Forms - German Customers

<p>Sporthochschule DSHS Köln Referenz</p>	<p>Erfassung von Leistungsdaten von Athleten. Forms + Portal + DB2 Ursprünglich mit Adobe PDF geplant Warum Forms: XML, flexible Formulare, effiziente Pflege, Erweiterbarkeit</p>
<p>Automobil Daimler Referenz</p>	<p>DKM: digitales Kundenmanagement, Formulare im sog Engineering Portal = Zuliefererportal, Registrierungsprozess für alle Zulieferer weltweit abgebildet, multilinguales Formular, mit WAS integriert</p>
<p>Abfallwirtschaft Referenz zugesagt</p>	<p>Nutzung von XML-Formularen ab 2009 gesetzlich vorgeschrieben. Entsorger, Beförderer senden eForms an Behörde Warum Forms: XML, PDF nicht geeignet Eigenentwicklung mit HTML aufwendig zu pflegen, off-line-Fähigkeit. Durch BVA (Bundesverwaltungsamt) unterstützt</p>
<p>Telecom-Anbieter</p>	<p>Automatisierung eines Change Management Prozess in IT, Integration mit Notes. Durch BVA-Ansatz unterstützt</p>
<p>Fachhochschule</p>	<p>Verwaltung von Verträgen studentischer Hilfskräfte, mit IBM Content Manager integriert</p>

Lotus Forms

IBM Middleware – Lotus software

- Lotus Domino
- Lotus Forms
- Lotus Connections
- Lotus Workflow
- WebSphere Portal
- Lotus Web Content Mgmt
- More to come ...

<http://www.ibm.com/software/os/linux/software/lotus.html>

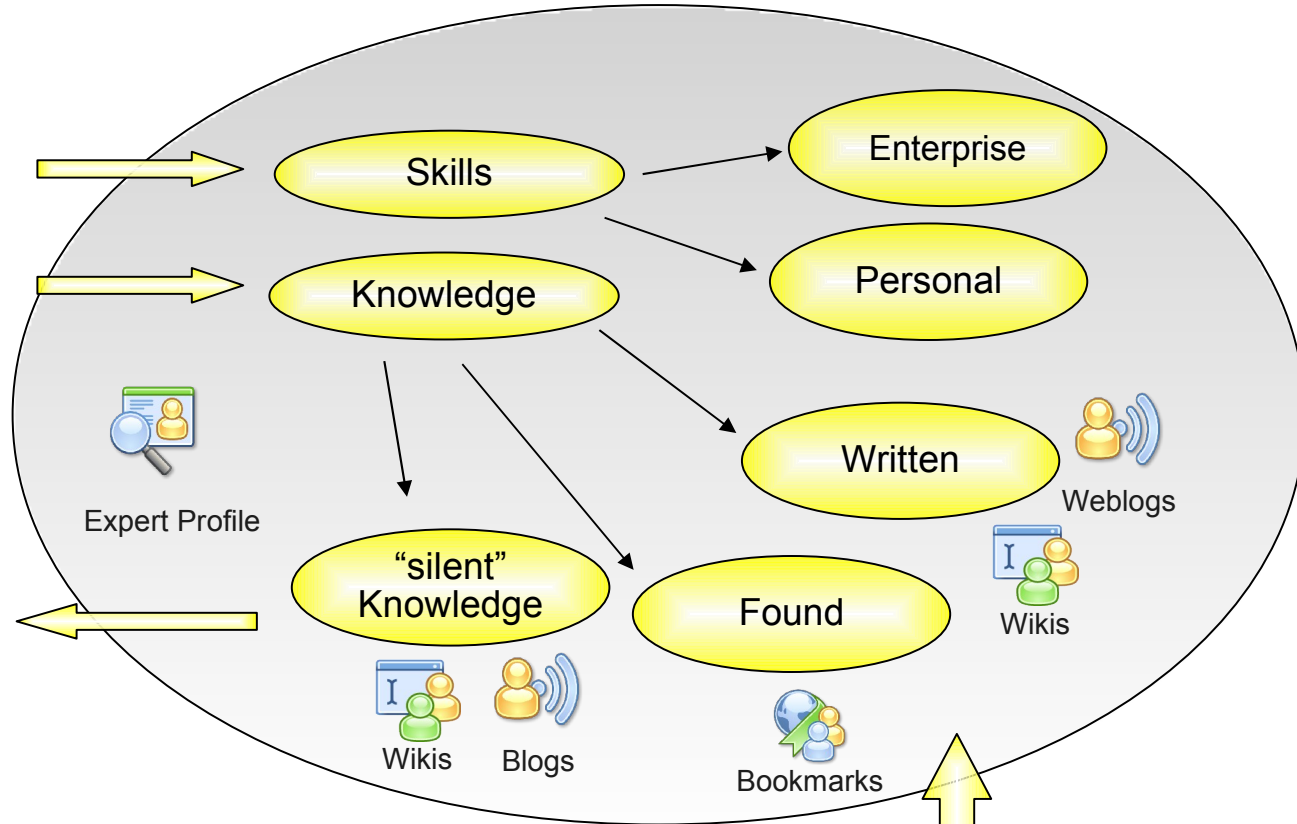
Lotus Connections A Web 2.0 Enterprise



Experts



Communities



Exchange

Projects

Results

Lotus Connections

A set of Web 2.0 Services



Lotus Connections

Home

Profiles

Communities

Blogs

Bookmarks

Activities

Files

Wikis



Home Page

Manage your attention by publishing relevant social data



Profiles

Quickly find the people you need



Communities

Work with people who share common interests and expertise



Blogs

Present your own ideas, and learn from others



Bookmarks

Save, share, and discover bookmarks



Activities

Organize your work and tap your professional network



Files

Post, share, and discover documents, presentations, images, and more.



Wikis

Create web content together

Lotus Connections



Social software for business that is focused on people-based collaboration and on building connections between people, and the expertise they have.



Profiles

Quickly find the people you need by searching across your organization and connecting to others.

Lotus Connections

All your social software needs,
ready for business.



Communities

Create, find, join, and work with communities of people who share a common interest, responsibility, or area of expertise.



Bookmarks

Save, organize, and share bookmarks; discover bookmarks that have been qualified by others with similar interests & expertise.



Blogs

Use a weblog to present your idea and get feedback from others; learn from the expertise and experience of others who blog.



Activities

Organize your work, plan next steps, and easily tap your expanding professional network to help execute your everyday deliverables, faster.



Homepage

Manage your attention by viewing relevant social data aggregated across your subscriptions, notifications, and network of colleagues.



Files

Upload and share any type of file with colleagues and communities. Store versions and view downloads, comments and ratings.



Wikis

Create wiki spaces for individuals, groups, and communities to co-author pages. View changes across pages, ratings, and comments.

Lotus Connections for Linux for System z Support



- Lotus Connections version 2.5 for Linux on System z announcement – January 2010

http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?subtype=ca&infotype=an&appname=iSource&supplier=897&letternum=ENUS210-009&open&cm_mmc=6216-_-n-_-vrm_newsletter-_-10577_146045&cmibm_em=dm:0:17605098

- SLES 10
- RHEL 5
- Lotus Connections version 3.0 (2H 2010)
- Plans to upgrade RHEL 5.4 and SLES11

Subject to Change

The information on the new product is intended to outline our general product direction and it should not be relied on in making a purchasing decision. The information on the new product is for informational purposes only and may not be incorporated into any contract. The information on the new product is not a commitment, promise, or legal obligation to deliver any material, code or functionality. The development, release, and timing of any features or functionality described for our products remains at our sole discretion.

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Updates **My Page** All Connections [Customize](#)

Profiles

My Profile



Heimes, Frank | [profile](#) | [edit](#)
 Senior IT Architect @ LIC Europe (Linux Integration Center)
 BOEBLINGEN Germany
 Tel(Office): 49-7031-16-4597
 E-mail: frank.heimes@de.ibm.com

Activities

My Activities

April 2010						
S	M	T	W	T	F	S
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8
2009			2010	2011		

Friday, April 16, 2010
 0 new responses to your posts
[View new entries in your high priority activities](#)
[My Activities](#)

My Wikis

EMEA Cluster Network
 Wendy Stieber | Today 3:31 PM | Tags: cluster, labcluster

Lotus Notes 8.5.2 Early Adopter Program
 Derek Burt | Yesterday 9:46 PM | Tags: 8.5.2, 852, adopter, calendar, early, eclipse, fedora, linux, lotus, mac, mail, notes, notes_8.5, ocdc, openclnt, windows, winxp

Workstation of the Future
 Christopher G. Pepin | Apr 9 | Tags: client, laptop, smartphone, software, workstation

TweakOC4L
 Frank Heimes | Apr 8 | Tags: client, linux, oc4l, ocdc, tweakoc4l

OC4L Community in Germany
 Maik Weber | Apr 6 | Tags: germany, linux, oc4l

Viewing 1-5 of 14 wiki entries [Previous](#) [Next](#)

Communities

My Communities

Open Client for Linux Debian Community
 Connections Communities | Today 3:31 PM
[Feeds](#) | [Bookmarks](#) | [Forums](#)

The IBM Academy Technical Leader Program and Seminar Series
 Melvin A. Martin | Today 12:19 PM
[Feeds](#) | [Bookmarks](#) | [Forums](#)

Linux Arbeitskreis D/A/CH
 Roland Haring | Today 8:16 AM
[Feeds](#) | [Bookmarks](#) | [Forums](#)

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Blogs

Latest Blog Entries

Innovation that Matters - PanIoT Calls
 Steffi Laurentius | Today 3:40 PM | [Details](#) ☆ 0 □ 0

Friday Gadget: Rotundus Robot
 William H. Chamberlin | Today 3:39 PM | [Details](#) ☆ 0 □ 0

10 ways microsharing can help you get less email
 JOHN T. PAPE | Today 3:34 PM | [Details](#) ☆ 0 □ 0

16 April, 2010 - Symantec
 Gregory T. Melahn | Today 3:09 PM | [Details](#) ☆ 0 □ 0

Performance Mangement team delivers Optim Performance Manager
 Corinna Peters | Today 2:56 PM | [Details](#) ☆ 0 □ 0

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Bookmarks

Recent Bookmarks

SWG Learning for Growth | Whiteboard Sellers Workplace
 David Bermingham | Today 3:41 PM | [Details](#)

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- architecture as banking
- blogger blueiq blueiq-ambassador bpm brazil
- cloud cognos collaboration communications
- communitiesofpractice connections consultant
- cop db2 design developer development discovery-lab domino ecm education forms
- gbs germany gts hackday4-entrant hcm hr ibm ibm.com iga india innovation
- innovation-discovery-sme insurance issl it-architect j2ee java labbuddy.available
- learning linux lotus lotus-connections management manager marketing method
- microsoft mobile notes pm portal project-manager quickr rational rdm
- research sales sametime sap secondlife security services soa social social-computing social-networking social-software software sig storage strategy support
- swg swita tap-innovator tec tec-central tech-sales technical technical-sales telco tivoli wcm web web-2.0 web2.0 web20 web20forbiz
- websphere websphere-portal work wplc カウント 10 チャレンジャー

View as cloud | list

Status Updates

What's happening in your network right now?

Heimes, Frank (no status message set)
 What are you working on right now?

Show: [Status Updates in My Network](#) | [My Status Updates](#)

- Walicki, John** In Armonk today delivering the Open Client for Linux to more of our senior executives. They are finding it fast, reliable, and easy to use. Today 2:13 PM
[Add comment](#)
- Karge, Ingo** Wieder Seminarveranstaltung an der TU Ilmenau ... wir besprechen die 5 Anwendungsfälle zum Thema Einführung von Social Software in Unternehmen (mit Lotus Conncetions ;-)) Today 1:09 PM
[Add comment](#)
- Pleschek, Andreas** Linux Arbeitskreis im OCC Ehningen Today 10:51 AM
[Add comment](#)
- Auberger, Rene** Discussing possible future extensions for the to-be-build customer/service/employee portal with ThyssenKrupp Elevator. Today 10:45 AM
[Add comment](#)
- Tijhuis, Martijn** Anyone driving from Stockholm to Copenhagen area (Malmö / Helsingbog) today? Can we get a ride? ;-) Today 9:25 AM
[Add comment](#)
- Burt, Derek** on the SCIC Monthly Team call Today 12:01 AM
[Add comment](#)
- Brunner, Robi** would there be any benefit to being able to "steal" someone else's network and put all those people in your own network? #ic #bt #sb Yesterday 6:45 PM
 (7 comments)
- Makowensky, Paul S.** Yesterday 6:57 PM
 if there was a way to organize your network by group type, yes
- [Show 4 more comments...](#)
- Starr, Matthew S. (Matt)** Yesterday 10:01 PM
 Might also be interesting to have dynamic network

Find out more...

- [Help](#)
- [Watch a demo](#)

Tips

Add a personal touch by including a picture with your profile.

The Reporting Structure view for a profile lists either a person's full reporting hierarchy or lists peers reporting to the same manager.

Fill in the About Me section of your profile to let your network know more about you.

Lotus Connections

My Profile



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Heimes, Frank

IBM employee, Regular
IBM Deutschland RD GmbH
 IBM Software Group, Strategy
 Senior IT Architect @ LIC Europe (Linux Integration Center)
 Integration Architect: General
 SCHOENAICHER STR. 220 BOEBLINGEN, Germany
 Building: 15| Floor: 0| Office: 012
 49-7031-16-4597
 frank.heimes@de.ibm.com



Local Time: 4:28 PM

(no status set)
[What are you working on right now?](#)

Tags

- My tags for this profile:
- im
 - ita
 - linux
 - oc4l
 - ocdc
 - ubuntu
 - zlinux
- Tagged by 9 people
- germany 1
 - im 1
 - ita 3
 - lab-bb 1
 - lab-boeblingen 1
 - lic 3
 - linux 7
 - oc4l 1
 - ocdc 1
 - rails 1
 - ruby 1
 - ubuntu 3

Contact Information

Important Contact Info: Blog: <http://w3.tap.ibm.com/weblogs/ftt/page/index> GSA: <http://ehngsa.ibm.com/home/fh/heimes/web/index.html>

Name: Heimes, Frank

Courtesy title: Mr.

Alternate last name: Heimes

Is manager: N

Office number: 49-7031-16-4597

Tie Line: 120-4597

IP telephony number: 39204597

Mobile number: 49-172-7348487

Fax number: 49-7031-16-3619

Office e-mail: frank.heimes@de.ibm.com

Alternate e-mail: Frank.Heimes/Germany/IBM@IBMDE

Preferred business address: Schoenaicher Strasse 220 Boeblingen BW 71032

IM: I am away from my computer now

Background

Experience and qualifications Skills Projects and teams

Expertise summary
 Computer Scientist
 (Diplom-Informatiker)

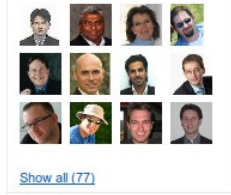
Links: [University of Paderborn - diploma thesis](#) | [University of Paderborn - FUJABA task force](#) | [My cattail space](#) | [W4 Fringe](#)

Biography / resume / CV

Report to chain

- Weusthof, Heinz-Hubert
 - Fehrenbach, Guenter
 - Foerster, Frank
 - Heimes, Frank
- [Full report-to chain](#)
[Same manager](#)

Network



My Links

- Spectacular!
 - OC Forums
 - LIC Internal
 - LIC External
 - Cattail
 - QuickrShare
 - My DotSlash Blog
 - OCDC Blog
- [Add link]

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Select a blog to edit, manage, or configure.

[Open Client for Linux Debian Community](#) Community Blog

The Open Client for Linux Debian Community combines the efforts of IBMUbuntu and Debian Client for e-business into our first Open Client offering targeted for Debian and Ubuntu desktops. Intended to be used by those who are doing upstream open source

Authors:Robert M. Bovaird, Derek Burt, P. Greaves, Frank Heimes, Gustavo Yokoyama Ribeiro, Brian S. Wilson, Thibaud Besson, Volodymyr Paprotski, Andre Fernandes De Macedo, Anton Piatek, and others may have contri

New Entry

Entries

Actions

Create new blog

Feel like you've got more to say? Maybe another blog is what you need.

[DotSlash](#)

DotSlash - Technical Topics, Interesting Information - about Open Sourc

Author:Frank Heimes

This is your primary blog

[Linux on System z](#) Community Blog

The objective of this community is discussions about running Linux on I

Authors:Eberhard Pasch, Alexandre Oliveira Santos, Livio Joao Santos (Ronaldo Oliveira Rodrigues, Anas Benmoussa, Wilhelm Mild, and other

[Lotus Notes 8.5.2 Early Adopter Program](#) Community Blog

Welcome to the Lotus Notes 8.5.2 Early Adopter Community Continuing

Lotus This community is for Windows, Linux and Mac IBM internal Lotus

Authors:John T. Thornton, Derek Burt, Keith R. Attenborough, Michael J.

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Tags

client [linux oc4l ocdc](#)
recording [recordmydesktop](#)
screencast

View as cloud

DotSlash

New Entry Settings

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Creating screencasts / recording desktop sessions on Linux

Frank Heimes | Mar 27 | Tags: [recordmydesktop](#) [screencast](#) [ocdc](#) [recording linux oc4l client](#) | Comments (2) | Visits (44)

Creating screencasts / recording desktop sessions on Linux

There are - as usual - several ways on Linux to create screencasts or record desktop sessions. The following bullet list provides a non-complete list of tools:

- VLC part of the default Ubuntu repositories,
- FFmpeg part of the default Ubuntu repositories,
- xvidcap part of the default Ubuntu repositories,
- Istanbul part of the default Ubuntu repositories,
- Wink
- Itaka
- recordMyDesktop part of the default Ubuntu repositories

I personally think that the [recordMyDesktop](#) is very convenient and easy to handle.

recordMyDesktop captures and encodes your screen data and supports variable bit-rates (-v_bitrate).

It consists of a command-line part (package: recordmydesktop) written in C, but there are also optional graphical front-end available (written in python), like:

- gtk-recordMyDesktop (uses pyGtk) for Gnome and
- qt-recordMyDesktop (uses pyQt4) for KDE

You can install the required packages wit your favorite package management tool or via the command-line with:

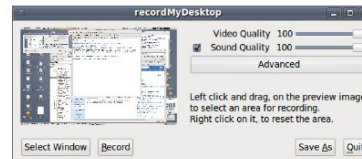
```
sudo apt-get install recordmydesktop gtk-recordmydesktop
```

recordMyDesktop only supports open formats, like [theora](#) for video and [vorbis](#) for audio, both using the [ogg](#) container.

This is for sure not an issue if you share the recorded streams with other Linux users, but some users of proprietary operating systems may have trouble playing it. But you can re-code the recordMyDesktop files easily into other formats with [ffmpeg](#) or [mencoder](#).

The graphical user interface (in this case the Gnome version) can be found at

Applications => Sound & Video => [gtk-recordMyDesktop](#)



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Editing blog entry in blog DotSlash

Title:

Tags: ?

Entry:

Creating screencasts / recording desktop sessions on Linux

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- [VLC](#) part of the default Ubuntu repositories,
- [FFMPEG](#) part of the default Ubuntu repositories,
- [xvidcap](#) part of the default Ubuntu repositories,
- [Istanbul](#) part of the default Ubuntu repositories,
- [Wink](#)
- [Itaka](#)
- [recordMyDesktop](#) part of the default Ubuntu repositories

I personally think that the [recordMyDesktop](#) is very convenient and easy to handle. [recordMyDesktop](#) captures and encodes your screen data and supports variable bit-rates (-v_bitrate).

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- [qt-recordMyDesktop](#) (uses pyQt4) for KDE

You can install the required packages wit your favorite package management tool or via the command-line with:

```
sudo apt-get install recordmydesktop gtk-recordmydesktop
```

recordMyDesktop only supports open formats like [theora](#) for video and [vorbis](#) for audio, both using the [ogg](#) container.

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- framework guidelines
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- hard_heron hardware hmm
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- lotsw ivm j2ee java jdk jim
- je jrubby kvm llc **linux** lotus
- ltc lud maintenance manual
- migration mobility
- myattachments network
- notes oc4l ocdc **open**
- open_client openclient
- opensource oss_ **oss_cop**
- ossc print pseries rails
- reader ruby scsi sdk sheets
- social software **source**
- thinkpad tunnel **ubuntu**
- virtualization vmware
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- 🔕 Tuned Out Activities
- 🗑️ Trash

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- 📌 Medium Priority

Public Activities ?

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- Completed
- Trash

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Tags

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mainframe mobile occs
system_z

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- Shared
- with everyone (public)
 - with one or more people
 - with no one (private)

Date

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Name	Last updated	Downloads	Size	Shared
Lotus for Linux on System z - The Yellow Mainframe - 16 April 2011	Today	0	5.88 MB	
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- with everyone (public)
- with one or more people
- with no one (private)

► **Date**

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Tags:

Share with: No one (private)
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Frank Heimes's Wikis

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 Frank Heimes | Updated Apr 08 | Tags: client, linux, oc4l, ocdc, tweakoc4l
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 Maik Weber | Updated Apr 06 | Tags: germany, linux, oc4l
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- Horizonwatch** Community Wiki [more](#)
 William H. Chamberlin | Updated Feb 24 | Tags: emerging-technologies, emerging-technology, emergingtrends, foresight, future, futures, futuretrends, horizonwatch, technology-trends, trends
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WW Linux Integration Center

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Welcome

Tags: brand, demonstration, linux, presentation, sales, technical [Add or remove tags](#)

Save Save and Close Cancel Preview Wiki Text HTML Source Rich Text

Styles Format Font Size

Welcome to WW Linux Integration Center

The Linux Integration Center is a worldwide pre-sales technical support and integrated-solution team. The Linux Integration Center is dedicated to helping the IBM sales team bring a new set of customers into the world of IBM software on Linux. If you want to learn more about the LIC, click [here](#).

- Lotus Domino
- Lotus Forms
- Lotus Connections
- Lotus Workflow (Engine Server)
- WebSphere Portal
- Lotus Web Content Management
- **More to come ...**

<http://www.ibm.com/software/os/linux/software/lotus.html>

Lotus Quickr It all about content



Subject to Change



Quickly set up libraries to store and share content securely

- Check-in, check-out, version control
- Customizable views to organize content
- Multi-level security (library, folder, document)
- Search across multiple libraries
- Workflow for routing & approving content
- RSS/Atom feed support to share or consume content
- Extensibility: custom meta-data, document types and templates (for Wikis, Team-Places)
- Based on J2EE technology (Quickr)
- For project and team-related file sharing

The screenshot displays the Lotus Quickr interface for a document library. At the top, there's a navigation bar with a search bar and user information. Below that, a team-specific navigation bar shows options like 'Documents', 'Events', and 'Project Tasks'. The main content area is titled 'Special Promotions Library' and contains a list of documents. The first document is 'Promo Q1 Podcast' by Heather Reeds, dated 01/11/2007. A comment box is visible over this document, showing a conversation between Heather Reeds, Samantha Daryn, and Gardner Raynes. Other documents in the list include 'Online Store Plans', 'Promo Walkthrough.ppt', 'Weekend project.jpg', and '2007 campaign budget.ppt'. On the right side, there are options to 'Create', 'Work with Templates', 'Set Access', and 'Library Settings'. A 'Drag desktop files and folders here' icon is also present.

Lotus Quickr



Fastest way for teams to collaborate and share business content for their projects



Document Libraries

Use content libraries to organize and share content for your projects, your teams or yourself



ECM Integration

Leverage your investment in a content infrastructure by making it more accessible to all your employees.

Ensure your collaborative and ad hoc content is managed appropriately to help meet legal & industry compliance requirements

Lotus Quickr



Team Discussion

Use a discussion forum to exchange information or ideas on different topics related to your team.



Workflow

Use document workflow to approve critical content and route information/forms to decision makers for approval



Team Wikis

Create wiki pages for your projects and co-author pages. View changes across pages and comments.



Team Calendar

Manage a community view of important events and activities that effect your team.



Lists, Tasks, Contacts

Use lists capability to track project tasks, to-do's, contact lists of your project team members



Connectors

Access your document libraries seamlessly from inside your favorite desktop applications such as Office, Notes, Outlook, Sametime



Lotus Quickr for Linux for System z Support

Subject to Change



- Lotus Quickr 8.5 (Java services) eGA is targeted for end of Q2
- Linux for System z support targeted within approximately 30 days after eGA (Q3)
- SLES 10 support
- No planned support for RHEL at this time
- Note: Linux for System z is not available in the Beta program

The information on the new product is intended to outline our general product direction and it should not be relied on in making a purchasing decision. The information on the new product is for informational purposes only and may not be incorporated into any contract. The information on the new product is not a commitment, promise, or legal obligation to deliver any material, code or functionality. The development, release, and timing of any features or functionality described for our products remains at our sole discretion.

Lotus Social Collaboration Services

The full spectrum of collaborative use cases will require the use of **both** Lotus Quickr and Lotus connections

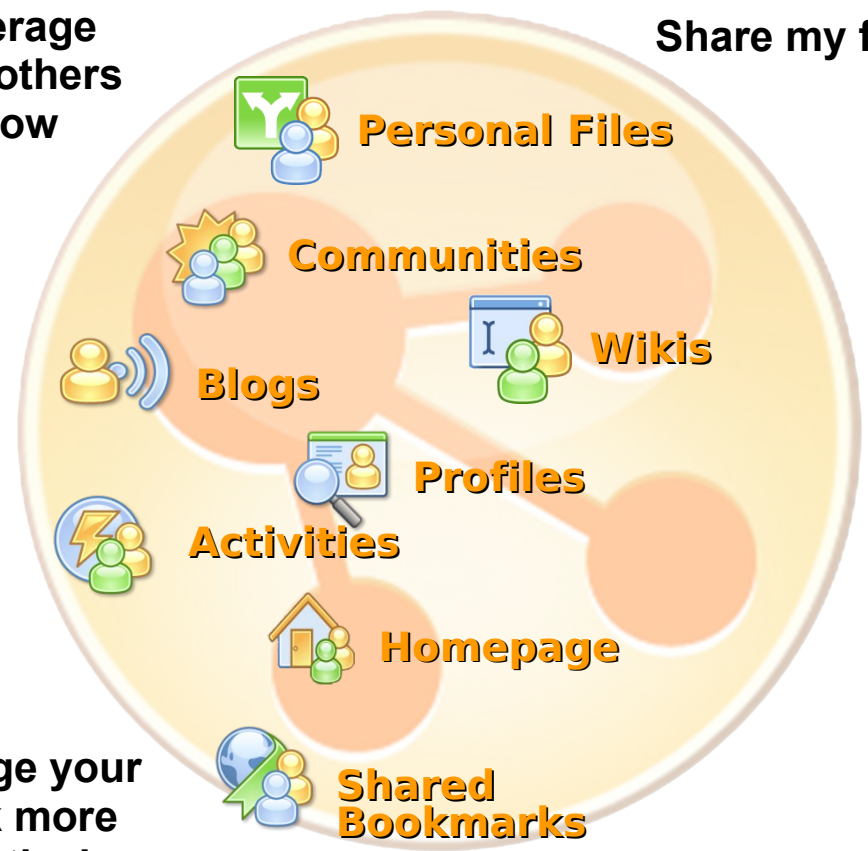


Keep track of project and teams

Find and interact with individuals



Leverage what others know



Share my files

Manage your work more effectively

Manage my content

Subject to Change



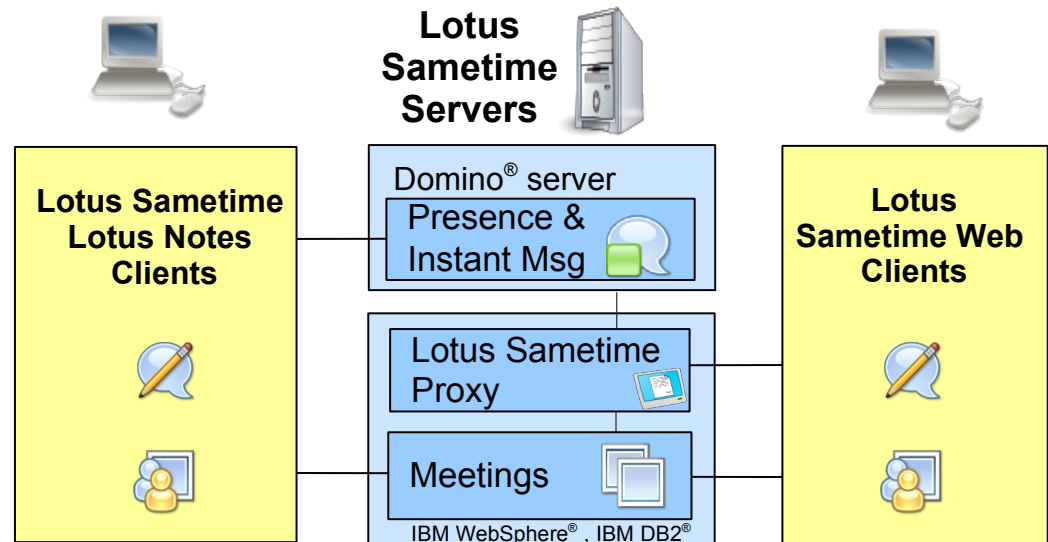
Lotus Sametime Unified Communications

IBM's Solution for:

- Instant Messaging
- Presence Awareness
- Unified Telephony
- File Transfer
- Screen Capture
- Gateway to external IM
- Open Programming Model

Accessible via Clients on:

- Windows
- Linux
- Apple Mac-OS
- various mobile devices





Lotus Sametime for Linux for System z Support

Subject to Change



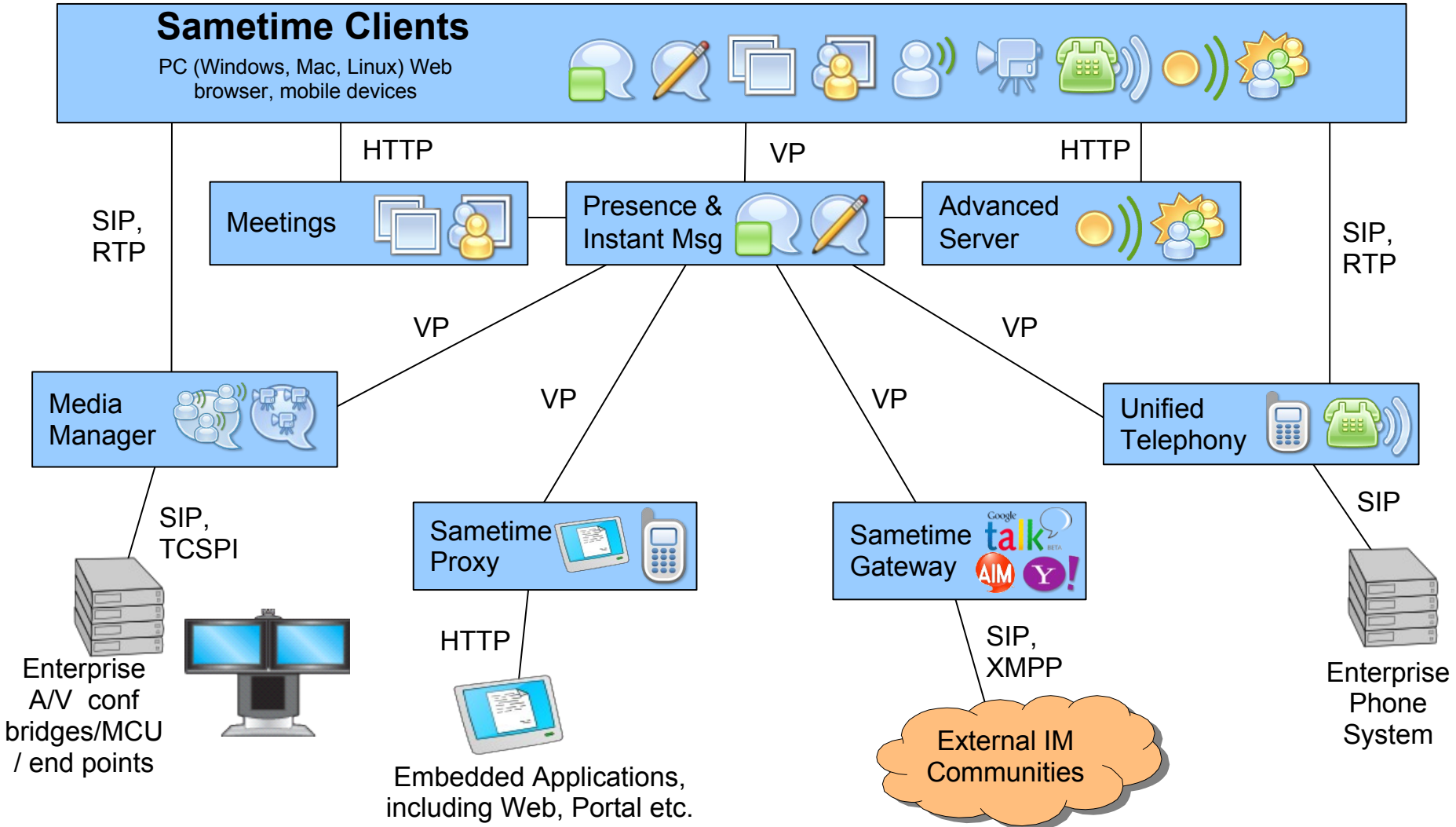
- Lotus Sametime 8.5.1 for Linux on System z support
- eGA for Sametime 8.5.1 is targeted for Q3, 2010
- Planned platforms
 - RHEL 5.x Server and Advanced Platform (64bit)
 - SLES 10 (SP1 or later SP) (64bit)
- The following Sametime 8.5.1 services are planned for System z:
 - Community Server (IM and presence)
 - Sametime Proxy Server (Web based IM/ presence)
 - Meetings server (not 'classic' meetings eg: Sametime 8.0.2)
 - Sametime System Console (ISC for Sametime services)

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Lotus Sametime System Level Architecture



Subject to Change



Lotus Collaboration Summary



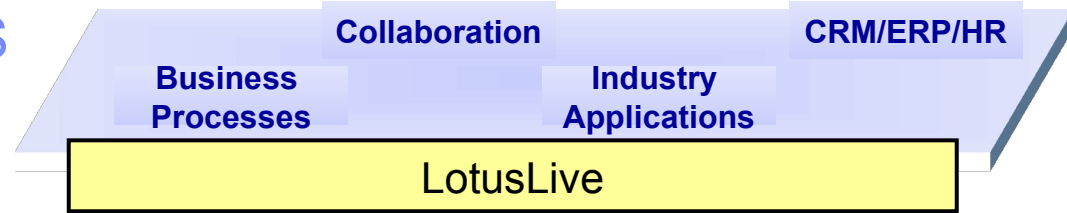
If relying on collaboration, the Lotus product portfolio, incl.:

- Lotus Domino
- Lotus Forms
- Lotus Connection
- Lotus Quickr and
- Lotus Sametime

Offers:

- Enterprise Web 2.0 functionality
- Collaboration, hosted on the most reliable platform
- Social computing from one source and at first hand
- Expandable and integrable via
open standards and published APIs

Software as a Service - SaaS
 Collaboration as a Service
www.lotuslive.com



Delivery of application functionality via **subscription** model over Internet.

Consumer does not own the application, but **rents** a total solution



Web Conferencing

- **LotusLive Meetings**
A full-featured, easy to use Web conferencing service
-
- LotusLive Events**
Provides tools to create, manage and conduct webinars for up to 999 attendees



Collaboration

- LotusLive Engage**
An integrated suite of tools that combines your business network with collaboration and conferencing services
- LotusLive Connections** *Combines your business network with collaboration services*



eMail

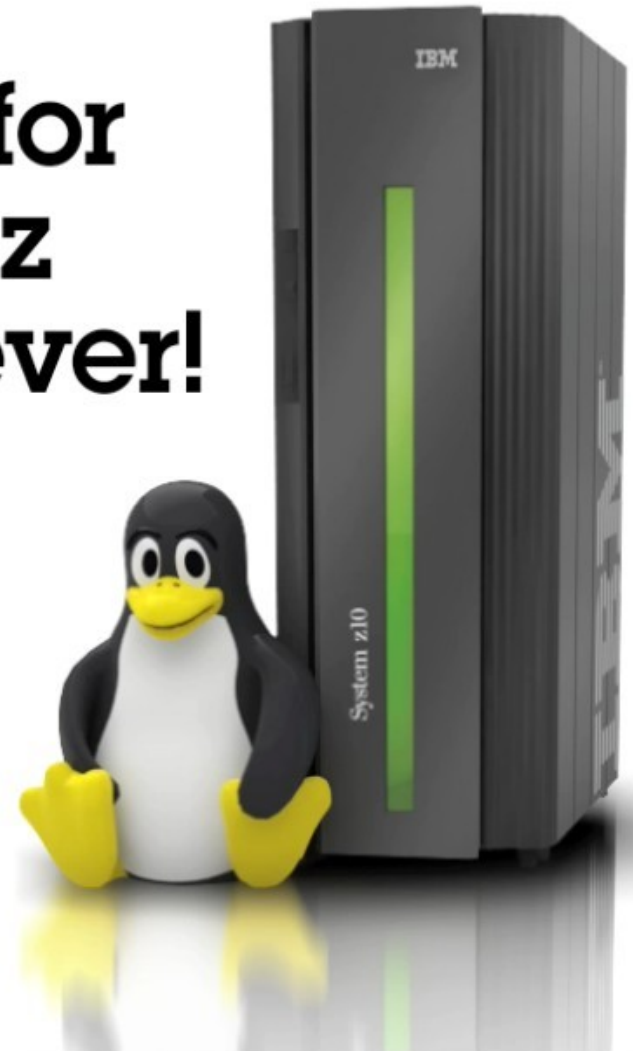
- LotusLive Notes**
An online version of IBM's popular Lotus Notes email and calendaring & scheduling product
- LotusLive iNotes**
Web-based messaging service for e-mail and personal calendar

Session G09 – Cloud Computing - Update and News

The road ahead for Linux on System z is brighter than ever!

Unbeatable:

- Virtualization Options
- Reliability
- Scalability
- Security
- Efficiency
- Flexibility



Thank you – Any questions ?

Obrigado

Portuguese

Merci

French

Thank You

English

Gracias

Spanish

Danke

German



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DB2Connect	IBM logo*	PR/SM	System z9*	Virtualisation Engine*	pSeries
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