Open Client for Linux
vs
IBM Client for Smart Work

The IBM Clients
IBM's Open Client Strategy
Heterogeneous Desktop Environment

The client strategy is to provide IBM’s workforce / our customers with the right client platform based on the job roles / requirements.

- Flexibility and choice of client platform and operating system (Microsoft Windows, Linux, Apple Macintosh)
- Cross-platform client application development through Lotus Expeditor Rich Client Platform (based on Eclipse)
- Reduced total cost of ownership, especially through server-managed clients
- Linux plays a key role in the wider IBM Client strategy

Eclipse and IBM Software

IBM WebSphere Integration Developer

IBM WebSphere Studio Family

Lotus Notes

Lotus Sametime

Lotus Symphony

Lotus Expeditor

IBM Rational Elite Support for Eclipse

IBM Rational Application Developer

IBM Rational Software Architect

Rational software

Rational software

Rational software

Equinox

"extends Eclipse Technology"
### Open Client for Linux Deployment – History

#### IBM Internal Linux Client

<table>
<thead>
<tr>
<th>Version</th>
<th>Release Date</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>OC4L 1.0</td>
<td>Q4'05</td>
<td>• Firefox browser&lt;br&gt;• IBM Workplace 2.6&lt;br&gt;• Notes 7 plugin&lt;br&gt;• Productivity Editors&lt;br&gt;• Document Management&lt;br&gt;• WST, ISAM, ISSI, WWERS&lt;br&gt;• Linux OS</td>
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<td>OC4L 1.1</td>
<td>Q1'06</td>
<td>• Firefox browser&lt;br&gt;• Lotus Notes 8&lt;br&gt;• VoIP, audio/video&lt;br&gt;• ISAM, ISSI&lt;br&gt;• WWERS&lt;br&gt;• Grid-enabled&lt;br&gt;• Red Hat EL 5 GA&lt;br&gt;• Novell SUSE pilot</td>
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<td>Q3'06</td>
<td>• Firefox browser&lt;br&gt;• Lotus Notes 8&lt;br&gt;• VoIP, audio/video&lt;br&gt;• ISAM, ISSI&lt;br&gt;• WWERS&lt;br&gt;• Grid-enabled&lt;br&gt;• Red Hat EL 5 GA&lt;br&gt;• Novell SUSE pilot</td>
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<td>Q1'09</td>
<td>• Firefox 2.0.0.9&lt;br&gt;• Lotus Notes 8.0.x&lt;br&gt;• Symphony 1&lt;br&gt;• Red Hat 5 EL Update 1&lt;br&gt;• Red Hat 5 EL Update 2&lt;br&gt;• dev. of Fedora Edition of OC4L started in Q3'08&lt;br&gt;• x64_64 support&lt;br&gt;• IBMJava1.6</td>
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#### Emerging Project

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<th>Features</th>
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<td>Q1'03</td>
<td>• Mozilla browser&lt;br&gt;• Open Office&lt;br&gt;• Lotus Notes&lt;br&gt;• ISAM, ISSI&lt;br&gt;• Linux OS</td>
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<td>C4EB 3.0</td>
<td>Q3'03</td>
<td>• Mozilla browser&lt;br&gt;• Open Office&lt;br&gt;• Lotus Notes&lt;br&gt;• ISAM, ISSI&lt;br&gt;• Linux OS</td>
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<td>• Mozilla browser&lt;br&gt;• Open Office&lt;br&gt;• Lotus Notes&lt;br&gt;• EA2000&lt;br&gt;• ISAM, ISSI&lt;br&gt;• Linux OS</td>
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</table>

#### Pilot Phase

- OC4L 1.2, Q3'06
- OC4L 2.0, Q2'07
- OC4L 2.2, Q2'08

#### Deployment

- OC4L 1.0, Q4'05
- OC4L 1.1, Q1'06
- OC4L 2.1, Q1'09
- OC4L 2.2, Q2'07
- OC4L 2.3, Q1'09

#### End User Support

- OC4L 2.3, Q1'09
- OC4L 2.2, Q2'08
- OC4L 2.1, Q1'09
- OC4L 1.2, Q3'06
- OC4L 1.1, Q1'06

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Open Client for Linux Deployment – Today
IBM Internal Linux Client

Q1 2009
Open Client Debian Community 8.10 - Intrepid
→
Open Client Debian Community 9.04 - Jaunty

Q2 2009
Open Client Debian Community 9.10 - Karmic
→
Open Client Debian Community 10.04 - Lucid

Q4 2009
Open Client 1.6 RHEL 4.8 Edition
→
End of Life

Q1 2010
Open Client 3.0 RHEL 6 Edition

Open Client 2.3 RHEL 5.3 Edition
→
Open Client Debian Community 9.04 - Jaunty

Open Client 2.4 RHEL 5.4 Edition
→
Open Client 2.5 RHEL 5.5 Edition

Open Client Fedora 10 Edition
→
Open Client Debian Community 9.10 - Karmic

Open Client Fedora 11 Edition
→
Open Client Debian Community 10.04 - Lucid

Open Client Fedora 12 Edition
→
Open Client Fedora 13 Edition

N-2, Legacy Support
→
Subject To Change

Subject To Change

End of Life

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.
Linux Standard Client Architecture

- Open Client selective install of our strategic alliance Linux Distributions
  - 2.x: Red Hat Enterprise Linux 5 Desktop – since March 2007
    - “Standard” - selective install for users (~1000 packages, ~4.0GB)
    - “Developer” - selective install for developers (~1100 packages, ~4.5GB)
- Open Client Debian Community (OCDC)
  since Ubuntu 8.04, currently based on Ubuntu 10.04
- Novell SUSE Linux Desktop (SLED) pilot
- Customization for business units / user segments
- Focus on integration of the Linux Client into the IBM Enterprise
IBM's Open Client for Linux vs IBM Client for Smart Work

Open Client for Linux @ IBM

IBM Client for Smart Work: ICSW

The IBM internal OC4L complies to the strategic IBM implementation of the ICSW concept.

Major Linux Desktop Distributions
IBM Linux Distribution Partner

- RedHat Enterprise Linux 5
  http://www.redhat.com/rhel/desktop/

- Ubuntu 8.04 LTS / Ubuntu 10.04
  http://www.ubuntu.com

- Novell SUSE Linux Enterprise Desktop 11
  http://www.novell.com/de-de/linux/desktop/

- IBM works in a partnership with all listed Linux distributions. In addition, IBM software products (like Lotus Notes, Lotus Sametime) are supported on all listed Linux distributions.

- Typically, the choice for a specific Linux distribution depends on current circumstances in the customer's environment (like existing contracts with a specific Linux vendor, system requirements for already licensed applications which should be used on Linux as well) and is taken by the customer.
Hardware Support, Connectivity and Security

**Hardware & Infrastructure Support:**
- IBM Global Print
- Local Printer Support
- Accelerated Hardware Driver
- Graphic (ATI, Nvidia)
- Wireless (Atheros)

**Security Tools:**
- Workstation Security Tools
- Firewall (iptables + IBM rule set)

**Connectivity Tools:**
- Wireless Support within NetworkManager incl. Support for OpenVPN
- VPN Support via IBM Lotus Mobile Connect (formerly known as WECM)
- VPN Support via AT&T
- Cisco AnyConnect VPN Client
Productivity Software, Tools & More

**Collaboration:**
- Lotus Notes V8.5
  incl. Zap Notes
- Sametime V8.0.2 or V7.5.1
  Participate / host e-meetings
  ![Lotus](symbol.png)
  Sametime.Unyte
- Participate in Newsgroup

**Office Tools:**
- Symphony 1.3 GA
- Symphony 3.0 beta
- Import & view of Smart Suite formats
- OpenOffice 3.x

**Browser, Viewer:**
- Firefox 3.x
- Adobe Acrobat Reader 9.x
- Evince
Multimedia and File Management

**Multimedia Support:**
- MPlayer
- Movie Player
- VLC Media Player
- GNOME MPlayer
- Amarok
- Realplayer

**File Management:**
- Nautilus (Gnome default)
- PCMan File Manager
Editors, Software Management and More

Editors:
- gedit
- vi / vim
- Geany
- emacs / XEmacs

Additional Tools:
- Brasero Disk Burner
- K3B – CD/DVD Writing
- x3270 Terminal Emulation

Project Management Tools:
- OpenProj
- GanttProject

Software Management:
- Synaptics
- aptitude, apt, dpkg

Additional Tools:
- Citrix ICA Client
- Nmon
- Gimp
- Freemind
- Pidgin Messenger
IBM Client for Smart Work
Delivering Value to the Enterprise Client

- Deliver flexibility and choice of operating system, client device, and a heterogeneous desktop environment to reduce TCO

- Adopt community services-centric collaboration paradigm

- Extend open standards to documents and repositories

- Support open source and application developer communities
IBM Client for Smart Work
Big Picture

Interaction and client services (online or offline)

- Rich clients
- Browser
- Portal
- Mobile
- Content feeds
- Task-specific applications

Messaging and Collaboration
Content Management

Unified Communications
and Social Software

Situational Applications
and Integration

Business process

Information

Rich Client
LotusLive
VERDE
Lotus Foundations

On-Premise
SaaS, Hosted
DaaS, Hosted
Appliance
Open Document Format
ODF

What is ODF?

- Document file format for office applications
- To be used for documents containing text, spreadsheets, charts, and graphical elements.
- Standard XML based document format
- XML in zip-file
- OpenDocument 1.0
  - Standardized by Oasis in May 2005
  - ISO certification in November 2006
- ISO/IEC 26300
- Specification is freely available and implementable

Community Processes:

- Public mailing lists
- Individual members are accepted
- Agenda and meetings are public
- Comments are available for public introspection
- Public review for 60 days
Lotus Symphony

Context sensitive & customizable toolbars

Support for presentation templates
Alternate Client Option: Live USB Stick

Live Boot & Persistence

Ubuntu 9.04
IBM Open Client for Debian Community
Lotus Symphony
Lotus Notes 8.5
Local Replicas
Lotus Sametime
Lotus Mobile Connect
Mobile Office

Take your desktop with all applications, documents and configurations with you
Complete operating system running on every computer
Alternate Client Option: Desktop Virtualization Overview

Client Devices

Server-side

Network

WAN

LAN

Connection Services

Virtualization Services

Presentation and/or Streaming Services

Desktop Images – Windows/Linux

Client-side
Alternate Client Option: Desktop Virtualization
DaaS based on Virtual Bridges' VERDE®

- Best conditions for TCO and ROI
- Clients available for Linux, Windows and MacOS
- Meets both, the need of connected and disconnected users
- Accesses a wide range of local devices and multimedia
- Central managed template (Golden Image) based
- Runs on KVM based Linux servers
- Comprehensive Enterprise DMI (Desktop Management Infrastructure)
  - Serve all user segments with combinations of VDI and SMART clients
- B.Y.O.C. (“Bring Your Own Computer”)
  - Deploy virtual Desktops on employe's PC
- Netbook as Mobile Enterprise Desktop
- Advanced SMART Applications (Cloud Operation Models)
  - Departmental Virtual Desktop Model
  - Distributed Data Center Model
  - Replicated Branch Infrastructure
- Small footprint, VERDE Client < 300kb
Alternate Client Option: Desktop Virtualization
Virtual Bridges' VERDE® Architecture

VERDE Cluster Master

Directory/Authentication Server (ActiveDirectory, NIS, LDAP, etc.)

VERDE Satellite Servers:
- Windows XP Desktops
- Linux Desktops

SAN/NAS

VERDE Management Workstation(s) (IT)

VERDE Client < 300 kb

VERDE: Virtual Enterprise Remote Desktop Environment
Alternate Client Option: Desktop Virtualization Scenarios

- Centrally-Managed Virtual Desktop
- Provisioned Virtual Desktop
- Mixed Streamed & Virtual Applications
- Data Center
Thank you – Any questions?

Obrigado
Portuguese

Merci
French

Thank You
English

Gracias
Spanish

Danke
German

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NOTES: Linux penguin image courtesy of Larry Ewing (ewing@isc.tamu.edu) and The GIMP

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