From Fvwm2 to the Enterprise Desktop

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Once upon a time...
there was Fvwm2
Today we have KDE
The Linux Desktop Market
Desktop User Spectrum

Number of users

Web Browsing, Chatting, Email, Office work

Administrators, Developers, Powerusers

Skills
Target Markets for Linux Desktop

- Application User
  - SUSE LINUX Personal
- Administrator/Developer
  - SUSE LINUX Professional
- Enterprise User
  - Novell LINUX Desktop
Challenges on the Desktop

- Interoperability
- Usability
- Applications
- Administration
Interoperability:
Seamless Integration with existing Networks, Applications, Protocols and Devices
Zero Configuration of OS Services

- Clients find their Service Providers automatically
- Available services are extracted from LAN
- Service activation can be delegated to users
  - Users can share their folders (SMB/NFS/HTTP)
- Plug’n’Play devices are automatically integrated
- Automatic IP assignment
- Dynamic resource access rights management
Service Location Protocol (SLP)
Kopete Groupwise Messenger Support

(13:28:58) Adrian Schroeter: Got the Novell GroupWise Messenger plugin for Kopete working yet?
(13:29:08) Will Stephenson: Sure have!

2 people in the chat
Kontact Support for SLOX and Groupwise
Interoperability Challenges

- NTFS write Support
- Proprietary file formats and protocols
- Tightly integrate OS and Desktop
Usability: Offering a flat learning curve to Windows and MacOS users
Keep it simple - yet Powerful

Menu structure adapts to installed software
Chapter 8. Linux on Mobile Devices

Table of Contents

8.1. PCMCIA
8.2. SCPM — System Configuration Profile Management
8.3. IrDA — Infrared Data Association
8.4. Bluetooth — Wireless Connections

Abstract

This chapter focuses on the use of Linux on mobile devices — especially on laptops. It covers
Password Manager

Folder: Form Data

- Contains 2 items.

Folder Entry:
- Binary Data
- Maps
  - http://bugzilla.suse.de
  - http://my.yahoo.com/
- Passwords
- Unknown

Name-Value Map: http://bugzilla.suse.de/query.cgi?

1. X Bugzilla_login
2. X Bugzilla_password

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Password Manager Details

- Manages all kinds of passwords
  - Web logins
  - Host logins
  - Chat passwords
  - Mail logins
- Seamless integration with Browser, Mail client, Messenger and other applications
- Secure storage
- Management Front-end
- Integration with Novell Identity Management
Usability Challenges

- Consistent Look and Feel across all applications
  - KDE Style Guide needed
  - Less toolkits
  - More common infrastructure

- Section 508 Accessibility
  - We need a KDE based on Qt4

- Reduce complexity, do not reduce functionality
Applications:
Finding equivalents, Emulation, Application Servers
OpenOffice.org replaces MS Office

Linux has "crossed the chasm" into business use
A first set of Applications

Windows Application
• MS Office
• Outlook, Notes
• AIM, Yahoo Messenger
• MS Developer Studio
• Internet Explorer
• Adobe Photoshop
• Palm Desktop
• ...

Linux Application
• OpenOffice.org
• Kontakt, Evolution
• Kopete
• KDevelop
• Konqueror, Mozilla
• Gimp
• Kpilot
• ...

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Software Migration Strategies

• Replacement application
• Windows Software Emulation
  • VmWare
  • Wine
  • CrossOver Office
• Application Servers
• Web-based Application
Application Porting Strategies

• Cross platform toolkits (Qt from Trolltech)
• Java
• .net/Mono
• Application Servers
• Web-based Applications
Application Challenges

• Attract Windows ISVs to Linux platform
  • Professional ISV Support Program
  • More standardized parts of the Linux OS
  • LSB is moving way to slow
  • Standard Browser for Web Applications
  • Long term ABI stability
• More Openess for Closed-Sourced Applikations
• User like choice, ISVs hate it!
• We need to be prepared for Longhorn
Administration:
Simple, intuitive Tools for Administrators, powerful Interfaces for mass-remote Administration
YaST: The Administrator's Dashboard

YaST Control Center @ ianus

Software
- Online Update
- Install and Remove Software
- Change Source of Installation
- Installation into Directory
- Patch CD Update
- System Update

Hardware
- System
- Network Devices
- Network Services
- Security and Users
- Misc

Help | Search | Close
Remote Mass Installation/Administration

Management Console
Zenworks, Tivoli, OpenView,...

YaST API
Desktop Client

YaST API
Desktop Client

YaST API
Desktop Client

YaST API
Desktop Client
Desktop Lockdown (Kiosk Mode)

- Selective Disabling of functions
  - Application set
  - Configuration options
- Default settings of user Profile
  - Menu structure
  - Desktop Background and Icons
  - Default Browser page
- Hierarchic (layered) Profile Concept
  - Settings for Company, Departments, Teams, Persons
- GUI for Administration
- Mass Administration with Zenworks for Linux
Administration Challenges

- System Administration APIs
- Directory Integration
- Less security problems (Security is not optional)
- Long maintenance periods (>= 5 years)
- Backwards compatibility
Will KDE conquer the Corporate Desktop?

- Linux is more innovative.
- Linux has lower TCO.
- Linux is more secure.
- Linux is open.
- KDE has made tremendous progress.
- KDE offers the most functionality.
- KDE is an independant and healthy project.
Thank You!
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