The Emerging IT Platform

Dr. Jeff Jaffe
Executive Vice President
and Chief Technology Officer

Novell

Technology Underpinnings of the flattening world (Friedman)

1. Berlin Wall & Windows
   - Desktop (low cost, millions of people), personal empowerment
2. Connectivity
   - WWW, HTTP, Browsers, HTML, Fiber Optics, Internet
3. Workflow Software
   - Email, XML, PayPal, AJAX, Web 2.0, Business Web
4. Open Sourcing
   - Web App Servers, Wikipedia, Firefox, Linux, Blogging
5. Outsourcing
   - Telecommunications, Fiberoptics, Y2K
6. Off-shoring
   - Lean manufacturing, ERP, MRP
7. Supply Chaining
   - RFID, GPS
8. In-sourcing
   - Distributed computing, wireless Optimization algorithms
9. In-forming
   - Search, TiVo
10. The Steroids
    - Digital, Mobile, Personal, Virtual

Grouping of Underpinnings

Rapid Growth of Technology

Point Innovations

Sharing

Mobility

Business Web

Fiber Optics

Personal Empowerment

XML

PayPal

Blogging

Wireless

Digital

(Storage, Processing)

Browsers

Wikipedia

Conversions to Digital

Ajax

WordPress

Search

Linux

Windows Desktop

GPS

Wireless

RFID

Point Innovations

Linux as the new I/T Platform

Data Center

Governance

Compliance

Application

Change & Control

Accounting

Performance

Data

Asset

File and Print

Patch

Resource

Security

Storage

Server

Desktop

Proprietary

SAP

Pure

Open Source

Mixed

Copyright © Novell Inc. All rights reserved.
Open Source – The Innovation Community

Established Companies

Innovators

Start-ups

Academics

The Progression of Ideas

Innovation:

University

Corporate Lab

Start Up

Open Source

Acceptance:

Proprietary

Standards

Community

How SUSE® Linux Enterprise is Built

- Reduces production problems
- Consolidates IT skills across disparate systems
- Delivers critical updates in hours – not days or weeks

Leading Open Source Development

Novell is a key contributor to these and other open source projects:

Apache

AppArmor

Bandit

BetterDesktop

Eclipse

Evolution™

GCC

GNOME

HULA®

iFolder®

KDE

Linux Kernel

Mono

Mozilla

MySQL

Open Invention Network

OpenLDAP

OpenOffice.org

OpenSSL

openSUSE™

Openswan

OpenWBEM

PHP

Perl

PostgreSQL

Reiser

rsync

SAMBA

Tomcat

X.org

Xen

XGL

YaST

Novell is a leading contributor
Telecommunications: Carrier Grade Linux

- SIP
- SS7
- Applications
- Call (Packet Processing)
- Service Control

High Availability Hardware Platforms

Linux OS with Carrier Grade Enhancements

Scope of the Carrier Grade Linux Working Group

Telecommunications:
Carrier Grade Linux

Education: Open Access to Learning

Government: Breaking Down Barriers
- Deployment of open source enables
- Standardization
- Compliance
- Transparency to validation
- Cost Savings

A Call to Action
- Research community needs to recognize power of Open Source
- 130,000+ projects
- Global bottoms-up phenomenon
- Required focus from the research community
- The emerging I/T platform
- Economic models