

SUSE® Linux Enterprise Server

OSL Technologie Tage 2011

Joerg Eberwein

Global Business Development
SUSE Linux Products GmbH



Open Source - das Quiz für Profis



Frage 18:

Mit dem Erstarben der Open-Source-Bewegung überdachten auch einige traditionelle Softwareanbieter ihre Lizenzstrategie. Welches der nachfolgend genannten vormals proprietären Softwareprodukte wurde zuerst unter einer Open-Source-Lizenz veröffentlicht?

- 1.) Netscape Communicator
- 2.) Java
- 3.) Ingres
- 4.) Doom

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Frage 2:

Mit dem kommerziellen Erfolg von Linux entwickelten sich auch rund um andere Open-Source-Systeme tragfähige Geschäftsmodelle. Welches war die erste kommerzielle Linux-Distribution?

- 1.) Yggdrasil
- 2.) Red Hat
- 3.) Suse
- 4.) Slackware

Open Source - das Quiz für Profis



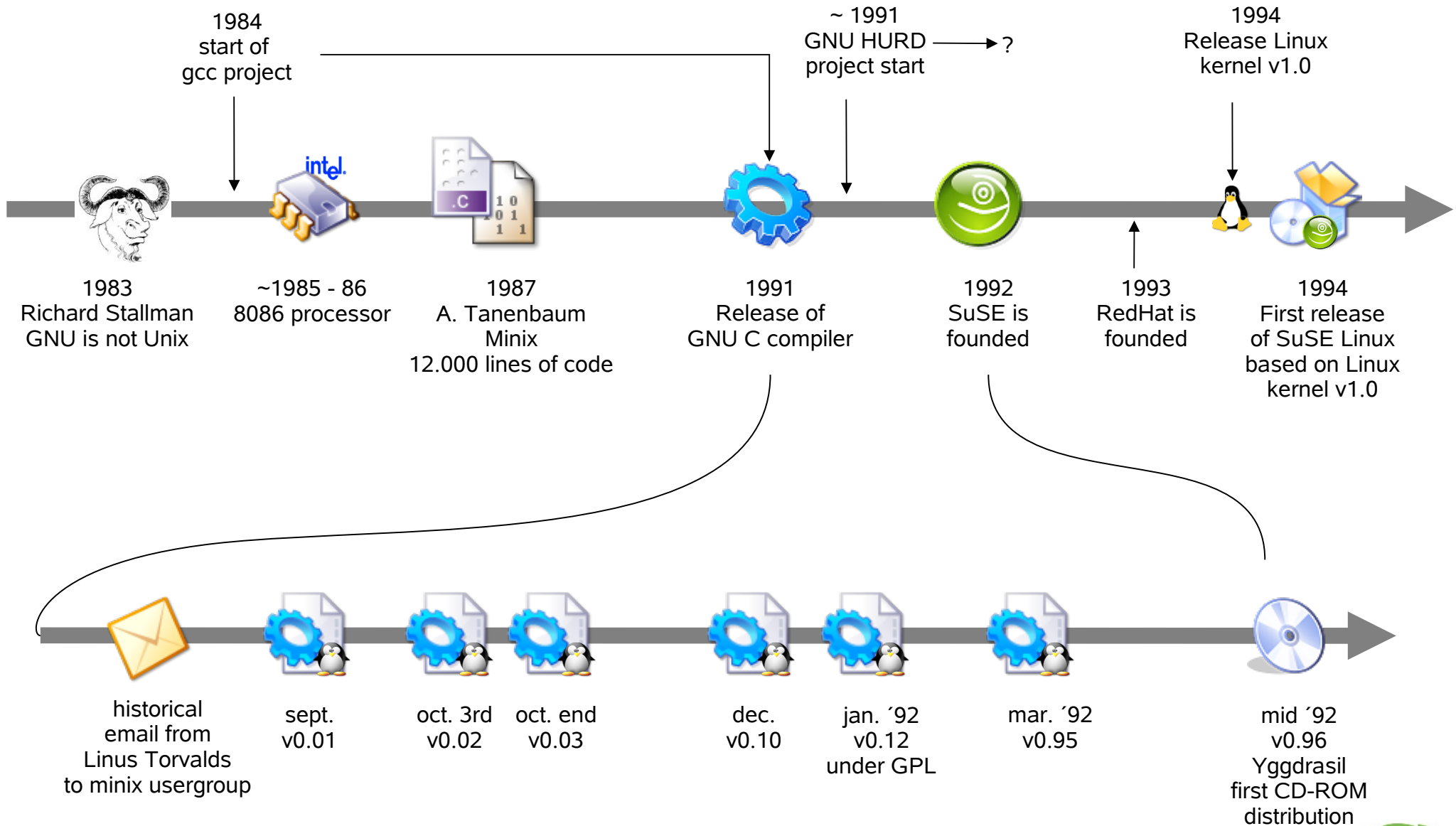
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The first available Linux is from SUSE



source: ragib.hypermart.net/linux/
www.softpanorama.org/People/Torvalds/



Leading Open Source Development

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

Apache	KVM	Pacemaker
AppArmor	LibreOffice.org	PHP
Bandit	Linux Kernel	Perl
BetterDesktop	Mono	PostgreSQL
Eclipse	Mozilla	rsync
Evolution*	MySQL	Samba
GCC	Open Invention Network	Spacewalk
GNOME	OpenLDAP	Tomcat
IFolder	OpenSSL	X.org
kablink	openSUSE*	XEN
KDE	Openswan	XGL
	Open WBEM	YaST

**SUSE is a leading contributor



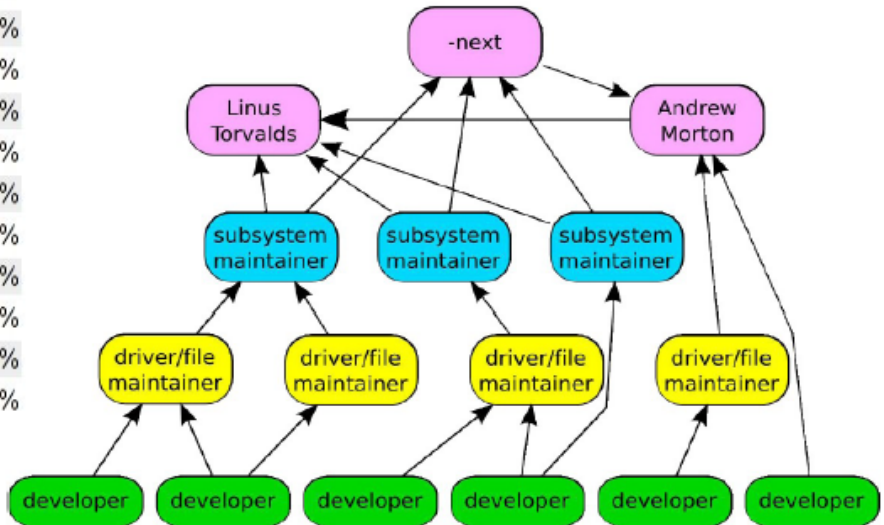
Current Linux Kernel Development

Most active 2.6.29 employers

By changesets		By lines changed	
(None)	1612 13.9%	Novell	306183 22.7%
(Unknown)	1378 11.9%	(Unknown)	197224 14.6%
Red Hat	1229 10.6%	Atheros Communications	96202 7.1%
Oracle	992 8.5%	Oracle	93846 7.0%
IBM	749 6.5%	(None)	92811 6.9%
Intel	686 5.9%	Red Hat	77087 5.7%
Novell	632 5.4%	Intel	62265 4.6%
(Consultant)	370 3.2%	SYS TEC electronic GmbH	56534 4.2%
Analog Devices	282 2.4%	Analog Devices	44659 3.3%
Fujitsu	212 1.8%	IBM	40560 3.0%
(Academia)	204 1.8%	(Consultant)	28983 2.1%
Renesas Technology	165 1.4%	Cavium Networks	18767 1.4%
Nokia	163 1.4%	Renesas Technology	16946 1.3%
Vyatta	154 1.3%	Nokia	11951 0.9%
Parallels	149 1.3%	Simtec	10886 0.8%
Simtec	138 1.2%	Broadcom	10314 0.8%
Atheros Communications	131 1.1%	Wolfson Microelectronics	10147 0.8%
AMD	130 1.1%	Freescale	8520 0.6%
Wolfson Microelectronics	104 0.9%	Chelsio	7738 0.6%
SGI	100 0.9%	QLogic	7322 0.5%

4.300 lines added
 1.800 lines removed
 1.500 lines modified
 per day 2007-2008

Source: Greg KH

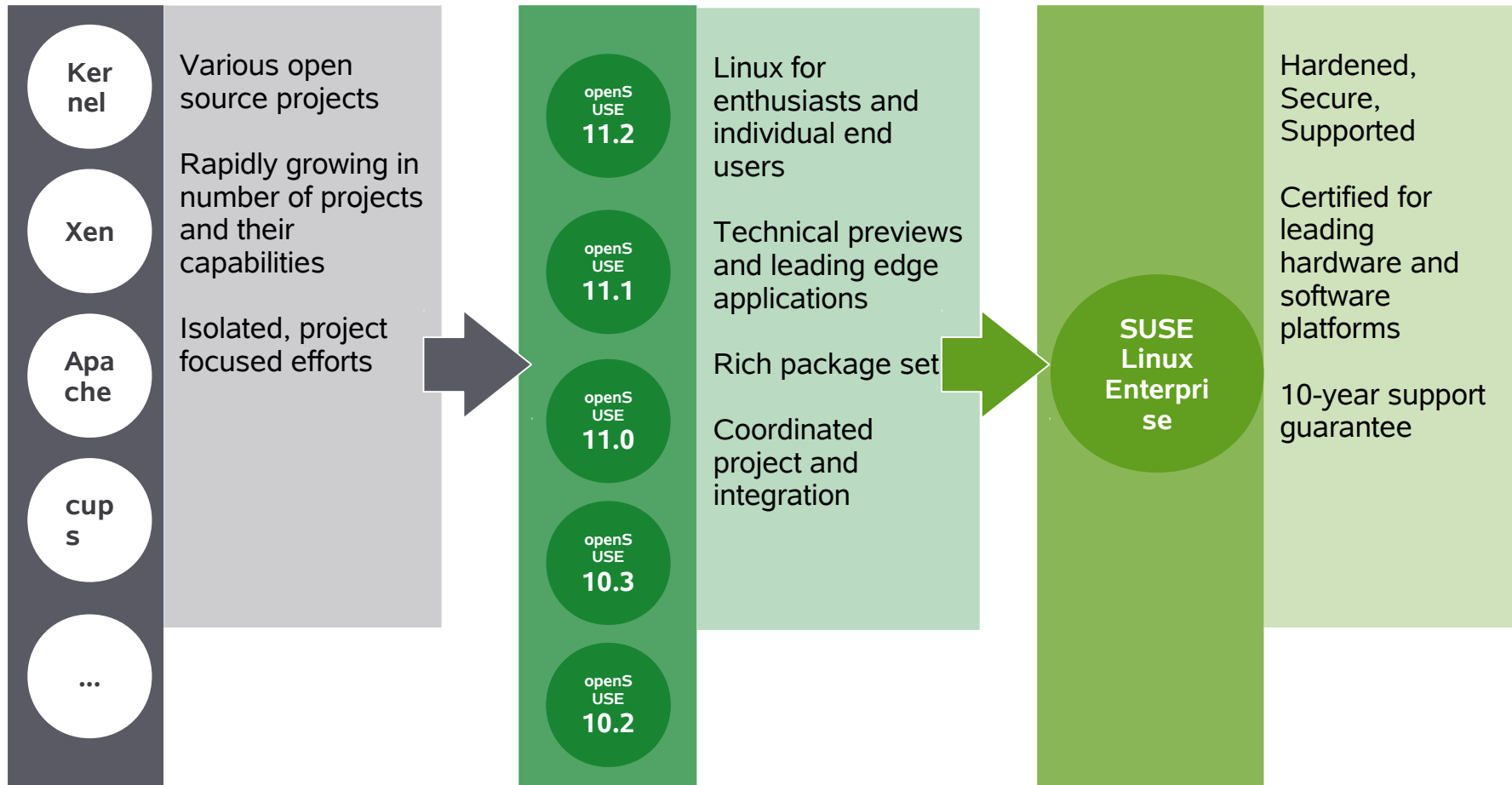


Source: <http://lwn.net/Articles/324046/>



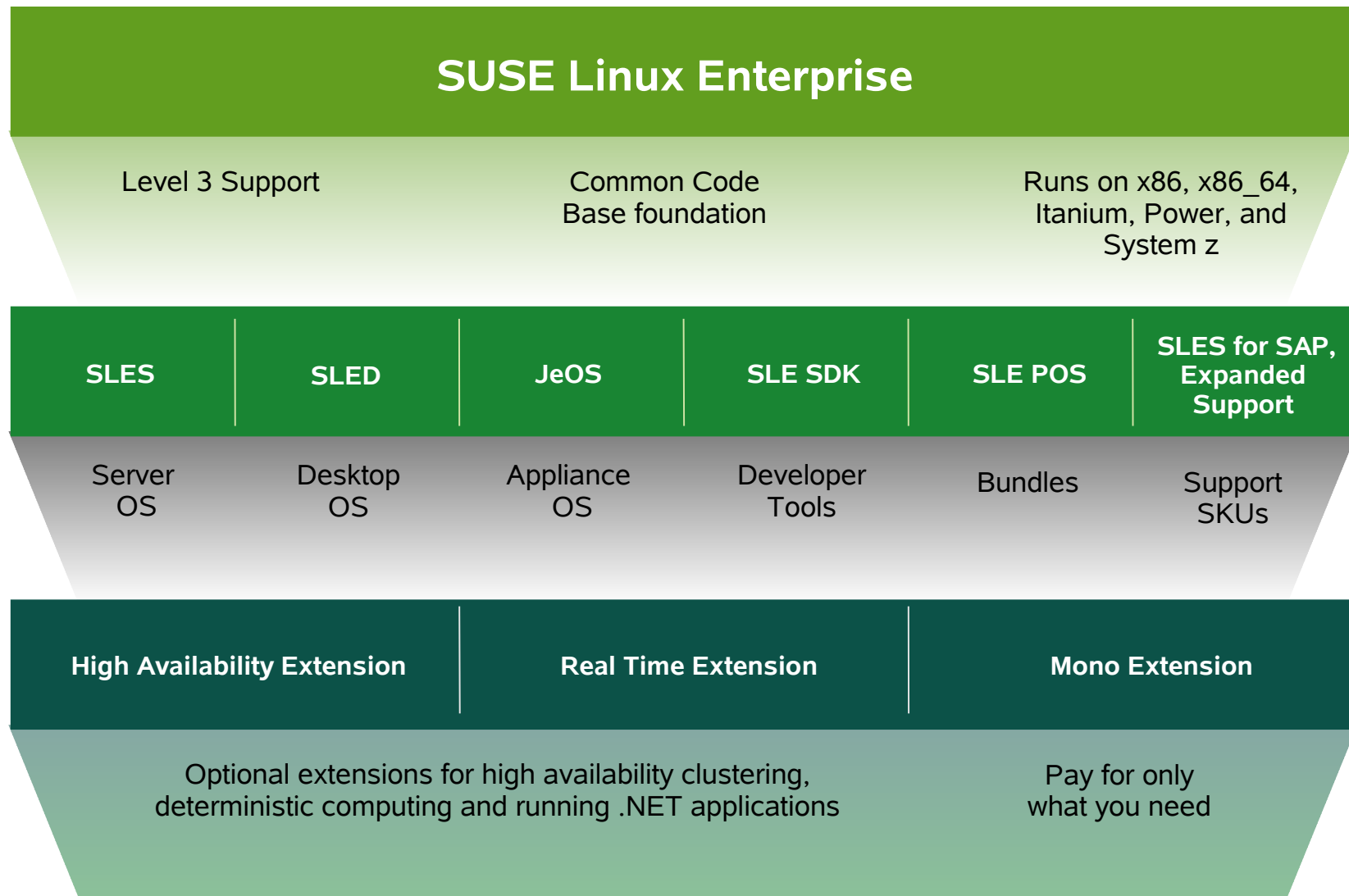
SUSE Linux Enterprise Server general information

SUSE® Linux Enterprise Development Process



SUSE® Linux Enterprise

Modular Portfolio based on Common Code



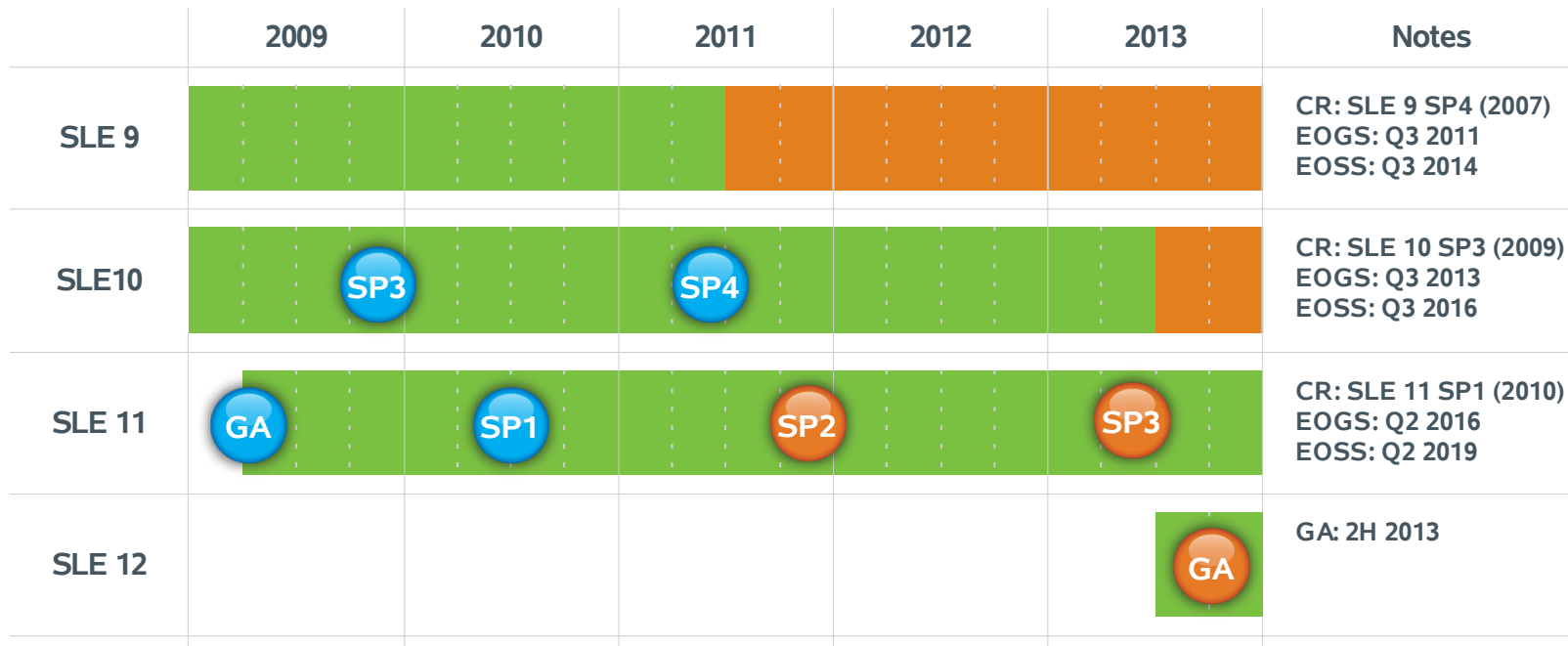
SUSE Linux Enterprise Standard Platform Lifecycle

General Support							Extended Support		
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
GA									
	SP1	Long Term Service Pack Support							
		SP2	Long Term Service Pack Support						
			SP3	Long Term Service Pack Support					
				SP4	Long Term Service Pack Support				

- **10-year lifecycle (7 years General Support, 3 years Extended Support)**
- **Service packs every 16-18 months, major release every ~ 4 years**
- **Six month upgrade window**
- **Long Term Service Pack Support – extend upgrade window or extend major release lifecycle**



SUSE Linux Enterprise Current Platform Lifecycle



announces Service Pack releases and development and product
to customers and partners

able release timing

ility for rollouts and migrations plans

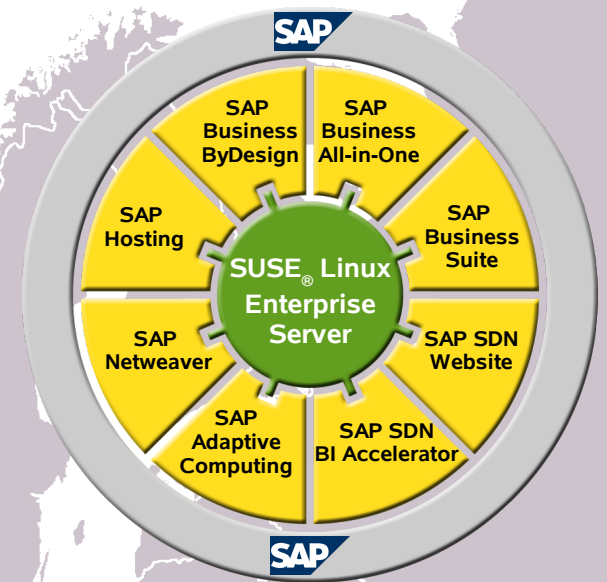


SAP & SUSE - A Rock Solid Solution

SUSE Linux Enterprise Server is the best choice for running SAP on Linux, read why:

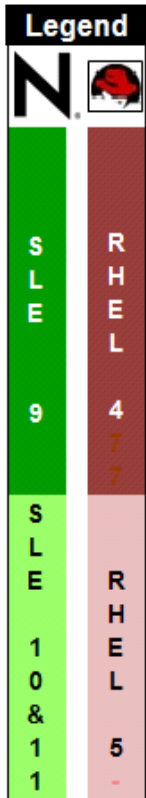
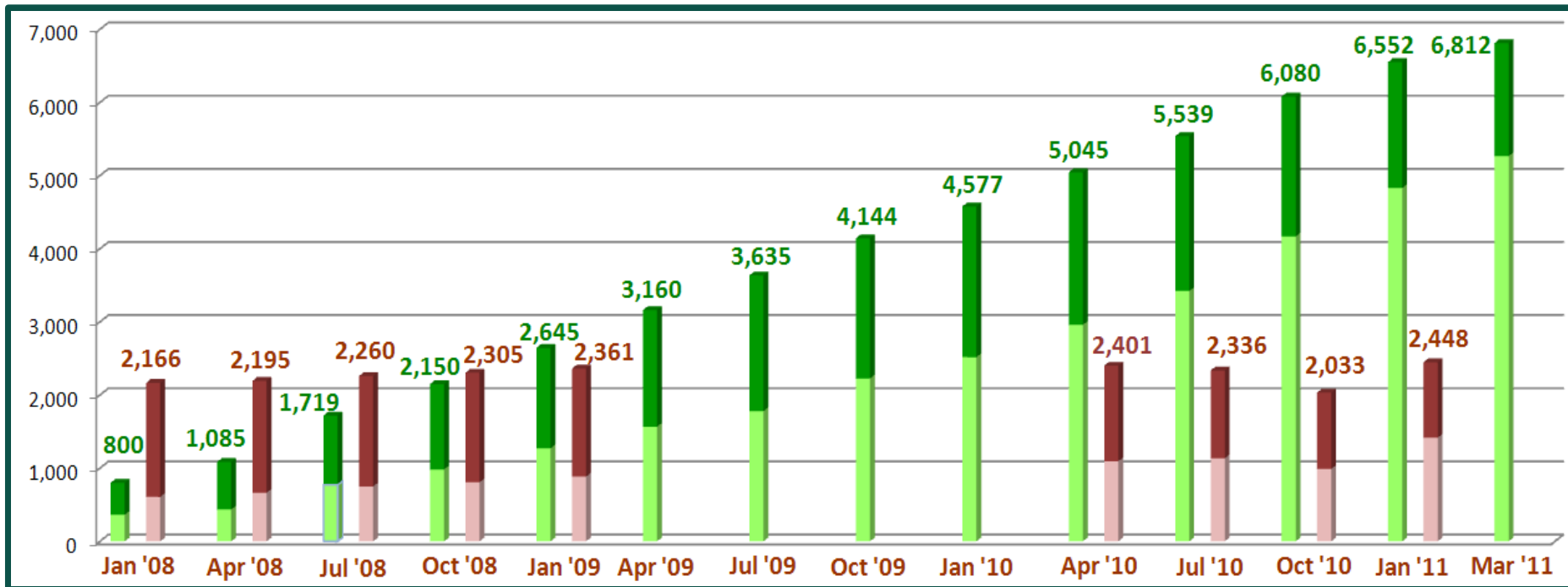
- All parties staff is located in the same timezone, speaking the same language, within a circle of 200km
- SUSE has on-site engineers at the SAP Linux Lab/SAP Partner Port since SAP is available for Linux
- SAP – SUSE® Linux Enterprise – A ten year relationship, built on trust
- SLES is optimized for SAP
- SAP and SUSE deliver seamless support through SUSE Priority support for SAP
- SAP has selected SUSE Linux Enterprise as the only Linux to run their Business Intelligence Accelerator
- In 2008 Novell received the SAP Pinnacle Award
- SUSE Linux Enterprise is the First-tier development platform for SAP

* <http://en.sap.info/sap-and-novell-deliver-expanded-linux-support-options-for-customers/1216>



SAP recommends *
SUSE Linux Enterprise Server
as the preferred platform for customers who want to deploy SAP applications on Linux.

Certified Applications by quarter: SUSE® Linux Enterprise Server 9, 10, 11



March 2011 count: 1,575 ISVs and 6,812 applications:

1,552 SLE 11 (+121 compared to last month)

3,714 SLE 10 (+96)

1,546 SLE 9 (-115)

Novell ISV catalog: www.novell.com/partner/isv

Red Hat ISV catalog: www.redhat.com/apps/isv_catalog/browse_by_vendor.htm





Microsoft

www.moreinterop.com

SUSE – Microsoft Alliance – Technology

Five major areas of cooperation:



1) Virtualization

- Customers are offered tested solutions for heterogeneous physical and virtual environments
- SLES optimized on Hyper-V



2) Windows and Linux systems management integration

- Manage SLES from Microsoft System Center
- Manage Windows from SUSE Manager



3) Mono / Microsoft Visual Studio

- compatibility for .net applications
- integrated development – Mono Plugin into MS Visual Studio



4) LibreOffice – Microsoft Office Compatibility

- continuously improve document format compatibility
- compatibility of office scripting language



5) Cooperative Support agreement between SUSE and Microsoft

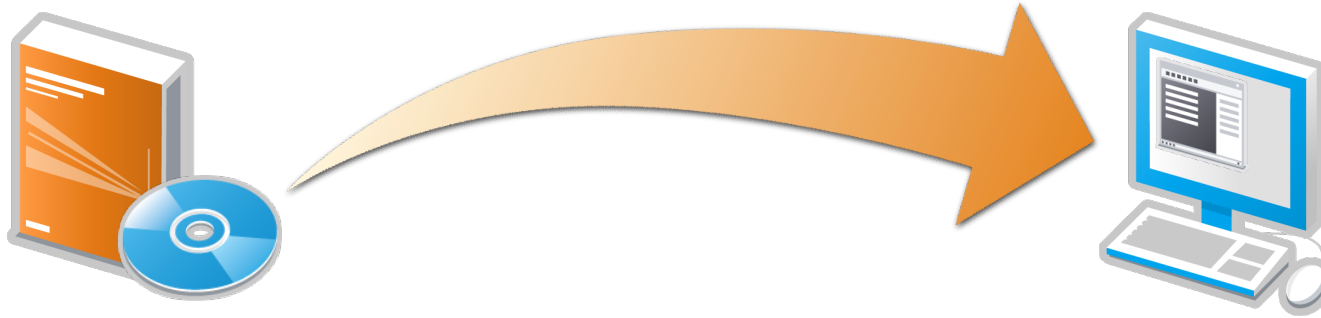
- 24x7 around the globe



Build Your Integrate Solutions with
SUSE Studio

and manage it with
SUSE Manager

Software rollouts are always the same ...



Pre-Installation

- correct OS version
- important OS patches
- Dependencies on applications
- Configurations
- Directories
- Hardware Certifications
- Support services

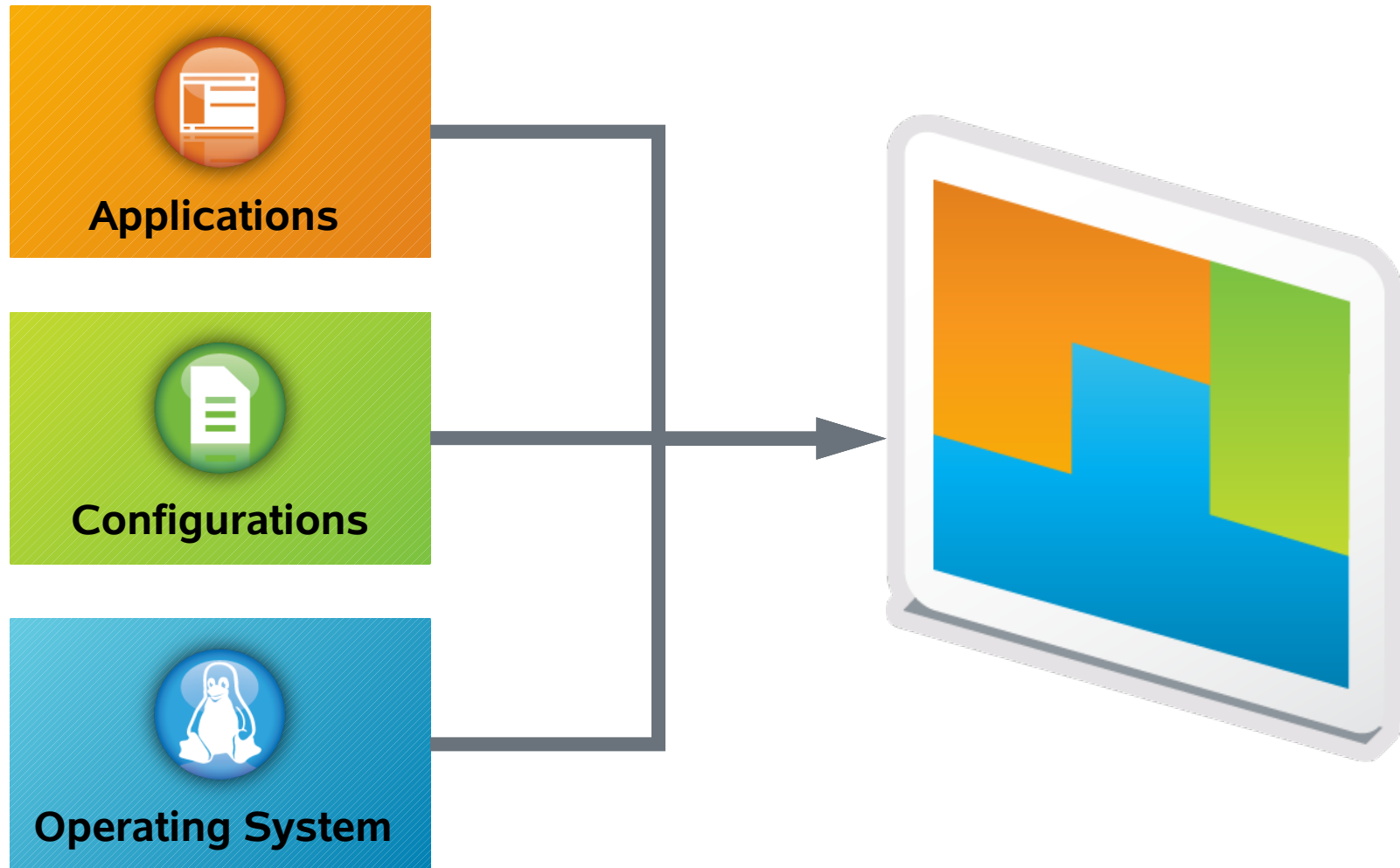
Installation

- Creating File System
- Compiling Modules
- Application setups
- Access rights
- Creating users and groups
- Work on bugs

Post-Installation

- Updates
- Configuration of apps
- Support
- Upgrade- and Patch Management

Why not do all this just once?



SUSE® Studio™

Components



SUSE Studio Core Engine

Behind firewall stand-alone version of SUSE Studio

Kiwi Support:

Fully supported, command line scriptable appliance creation behind the firewall, integrates with SUSE Studio

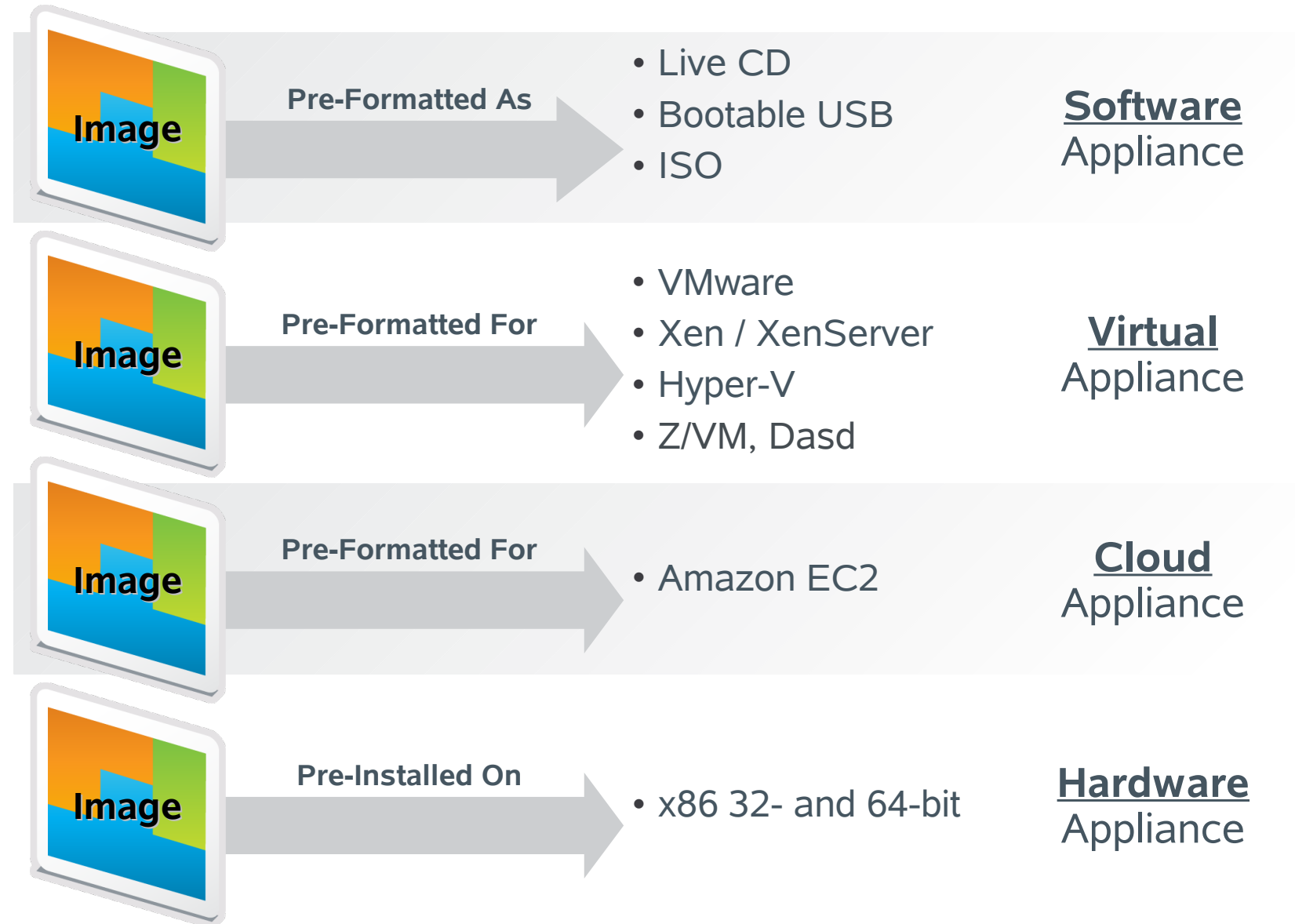
WebYaST:

Provides YaST functionality through a web interface

SUSE Lifecycle Management Server:

Serves updates, includes access control to restrict access to repositories, allows for multiple update streams or channels

Deployment options via SUSE Studio



End Users:

Appliances Reduce Installation and Support Costs



Appliance

**Integrated,
complete
solution**



**Press play
installation**



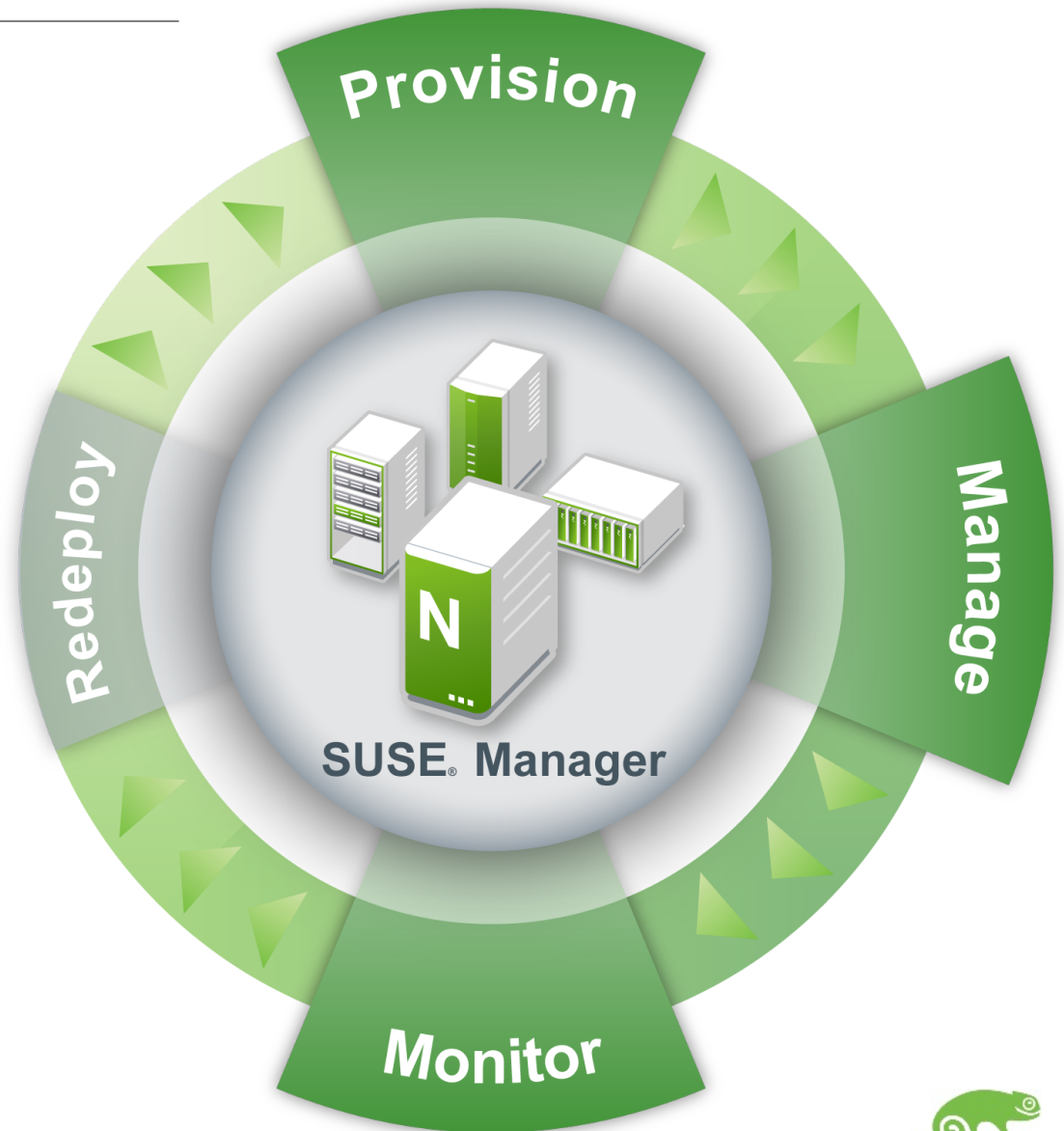
**Deployable
across
platforms**



**Simpler support
and
maintenance,
life-cycle mgmt.**

SUSE Manager and Modules

SUSE Manager delivers complete lifecycle management for Linux servers through its management, provisioning, and monitoring modules



SUSE puts your IT-Investments save

5 Reasons why



Interoperability



X-platform availability



Strongest ISV and IHV ecosystem



Best available Linux Support worldwide



No Vendor- & Technology- Locks





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Backup

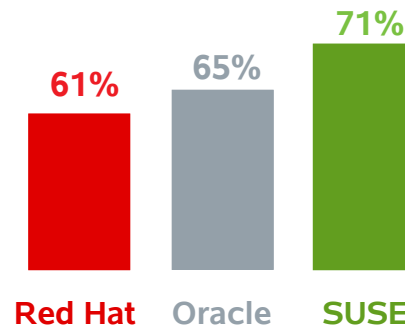
Still the Best Linux Support

Customers rate SUSE Support #1



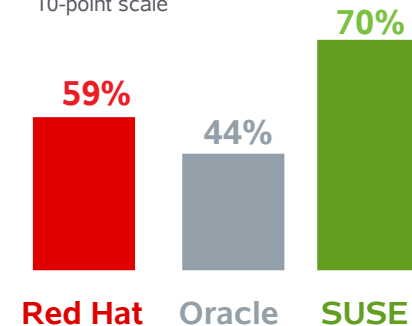
Users that rate quality of support 7 or higher

10-point scale



Users that rate quality of support in a mixed IT environment 7 or higher

10-point scale



Source: Linux-Related Technical Support Comparative Study, Lighthouse Research, August 2010

- Peers declare SUSE Support as world's "Ten Best"

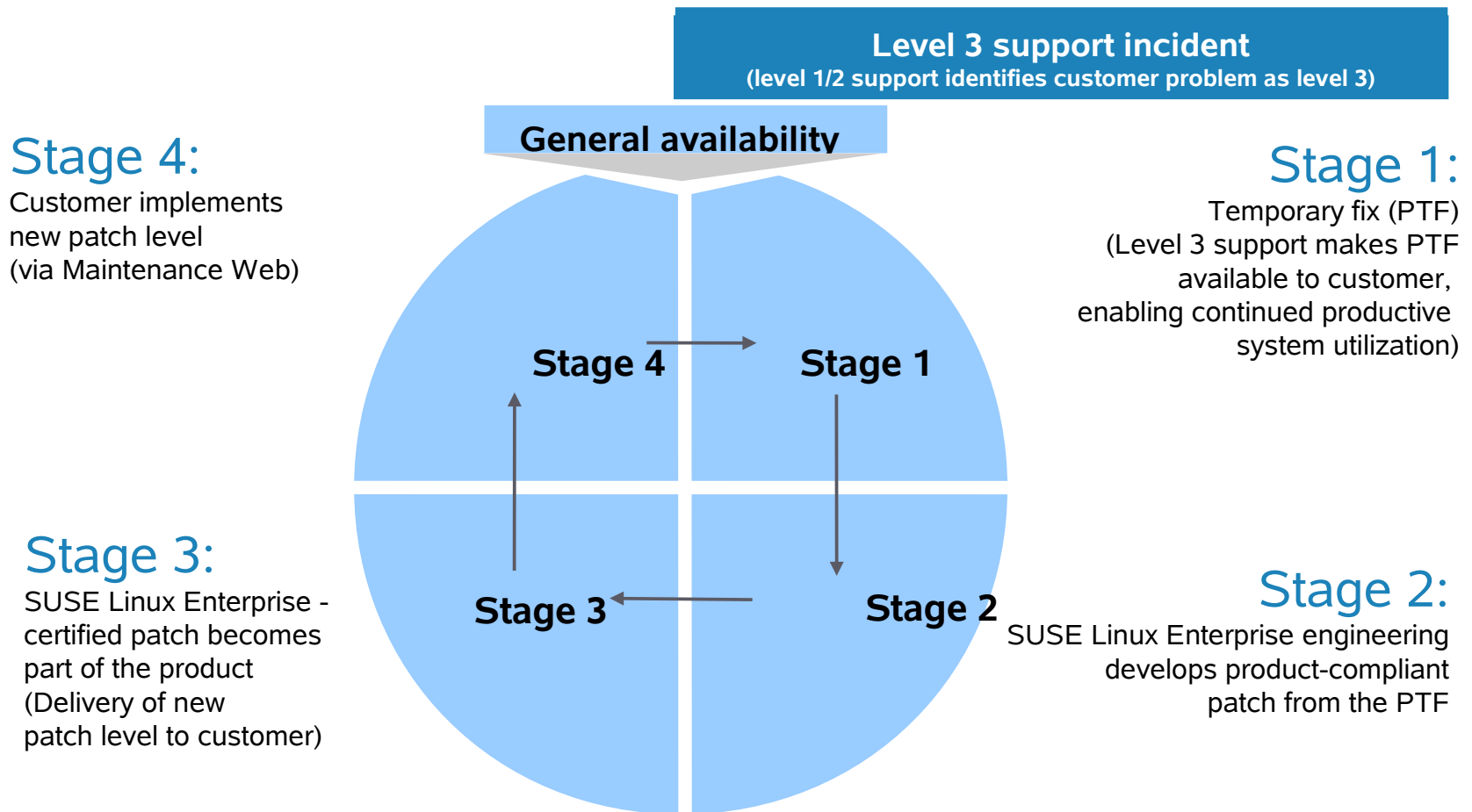
According to the Association of Support Professionals, Novell offers one of the world's "Ten Best Web Support Sites" in 2010. (Fourth year in a row Novell has won this award)



SUSE Linux Enterprise Maintenance & Support Process

Maintenance

Support



(SUSE Linux Enterprise engineering handles certification of the patch, quality assurance)



Open Source Quiz

Open Source - das Quiz für Profis



Frage 1:

„Share and share alike“ ist ein vielzitiertes Grundsatz der Free Software-Bewegung. Wieviel Geld dürfen Sie für eine Software verlangen, die unter der GNU General Public License (GPL) steht?

- 1.) Nichts; unter der GPL lizenzierte Programme sind stets kostenlos
- 2.) Einen angemessenen Betrag, um die Kosten der Distribution zu decken (Datenträger, Versand etc.)
- 3.) Bis zu 250 Dollar je Programmkopie
- 4.) Soviel Sie wollen

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Frage 11:

Das GNU Projekt startete mit einer einzigen Softwarelizenz. Heute gibt es mehrere Varianten. Was ist der Unterschied zwischen der GPL (General Public License) und der LGPL?

- 1.) Mit der LGPL können Sie von Kunden Geld für erstellte Software verlangen, die GPL erlaubt dies nicht.
- 2.) Die GPL ist eine Free-Software-Lizenz, die LGPL nicht.
- 3.) Die GPL ist eine Lizenz für Software-Code, während LGPL für die Software-Dokumentation gilt.
- 4.) Die LGPL erlaubt das Code Linking mit proprietärer Software, die GPL nicht.

Source: <http://www.computerwoche.de/index.cfm?pid=3649&pk=133>

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WHITE PAPER

The Return on Investment of Software Appliances Using SUSE Studio from Novell

Sponsored by: Novell

Randy Perry

Brett Waldman

November 2010

- Reduce efforts to build integrated solutions
- Reduced efforts to manage the life cycle of such
- Support commitment
- Faster time to service
- Higher Flexibility
- Transparent Standardization

Three-Year ROI Analysis per 100 Employees

Benefit	\$357,675
Investment	\$53,744
Net present value	\$303,931
ROI = NPV/Investment	566%
Payback = Investment/NPV	6.9 months
Discount rate	12%

Source: IDC, 2010

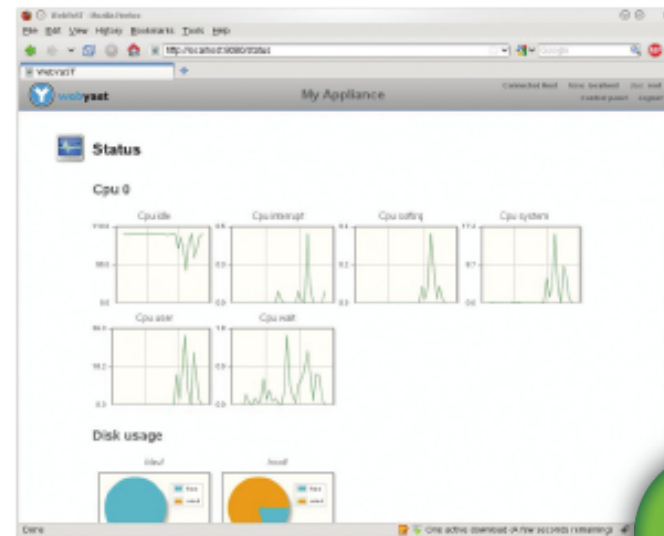
WebYaST

Key Benefits

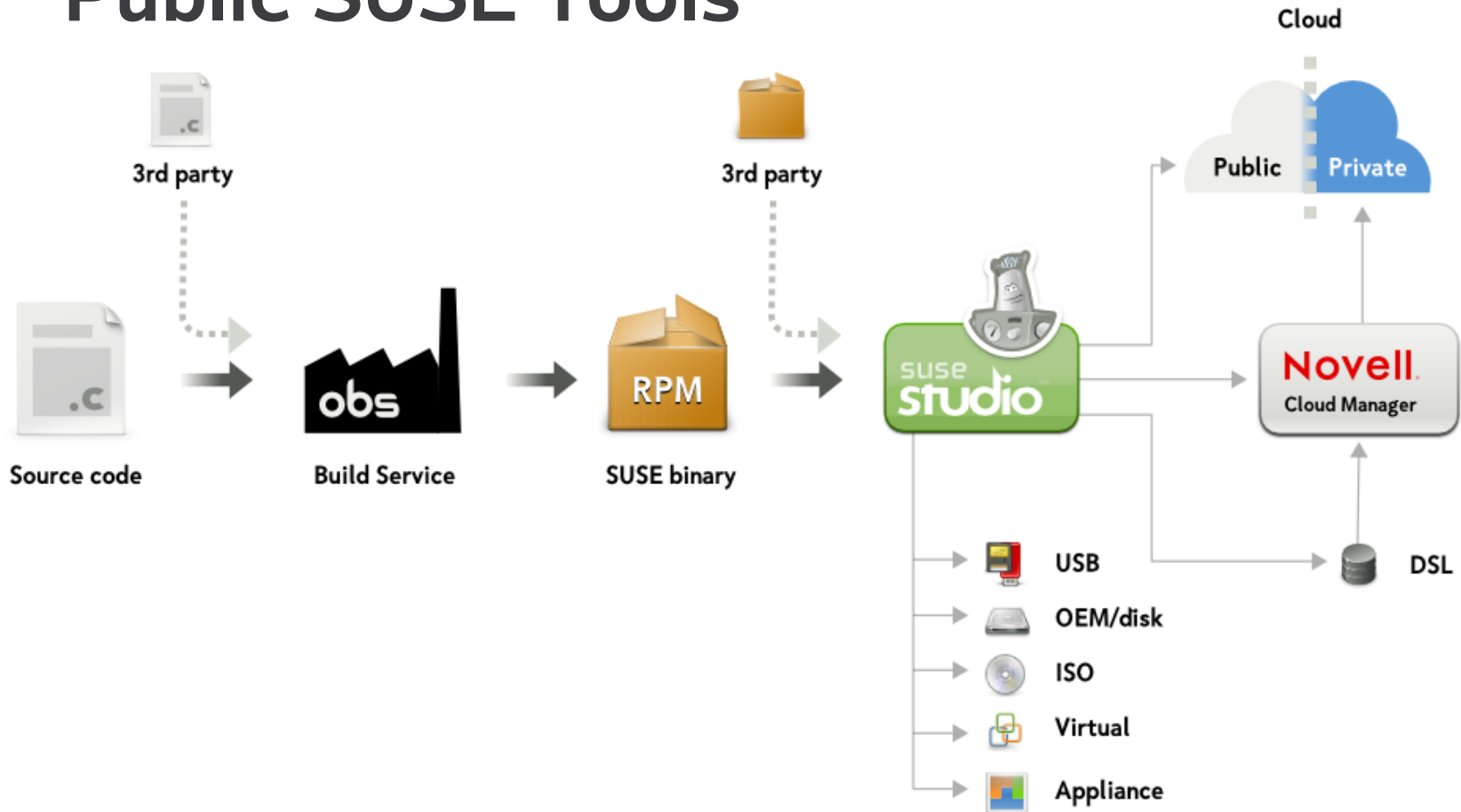
Just like YaST, WebYaST is also open source software, with maintenance and support delivered by Novell as part of the SUSE Appliance Program. Software vendors and third-party developers are encouraged to develop modules—specifically aimed at facilitating configuration of their application.

Key Features

- Initial configuration wizard
- Time, Time zone, NTP
- Status, soft-shutdown, reboot
- Monitoring (configurable)
- Update
- Network
- License/EULA and Registration
- Users
- Service start/stop/status
- Log visualization



Public SUSE Tools



ISV

Enterprise

Cloud Provider



View on Open Source & Community

Open Source is a collaborative development effort which can and will rule infrastructure software when a sufficient amount of momentum is reached

Open Source is not a hobby. In order for a project to succeed sufficient commercial or government resources for developing, marketing, selling and community building are needed to gain user interest

Infrastructure software is used in any sized enterprises and governments worldwide. Global and local support structures and the availability of additional training and consulting is a requirement for strong adoption

SUSE has been committed to open source since 1992, but open source is not a mandate. There are offerings where the collaborative effect can not be achieved or is not a business advantage

Please participate and remember collaboration is not unilateral

Release early and often!

