

Japan OSS Promotion Forum Desktop Working Group Activity Status

July 28th, 2004 Desktop Working Group
Hisato Mizuhashi, IBM Japan, Ltd.

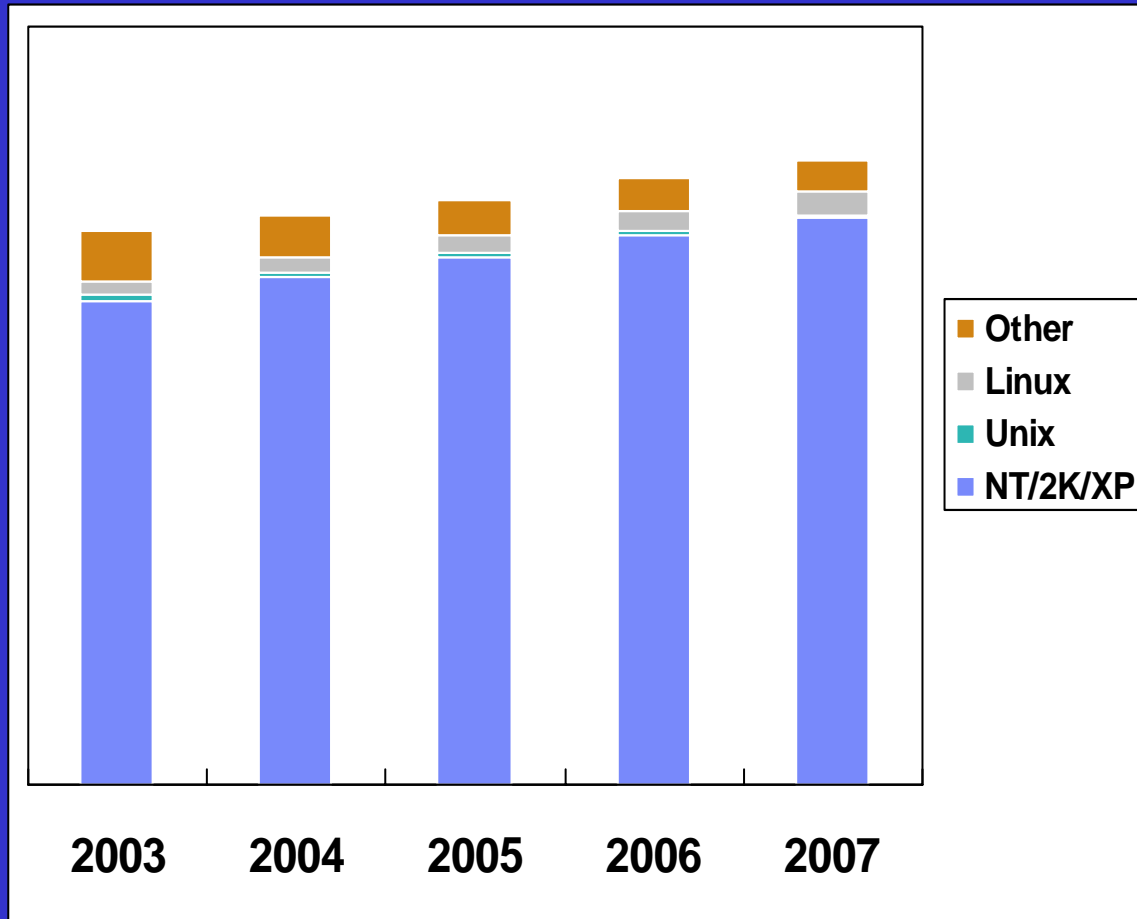


Disclaimer

This report is a status report on Desktop Working Group of Japan OSS Promotion Forum, and is not a report to suggest IBM's direction.



Current Desktop OS Market situation (Japan)

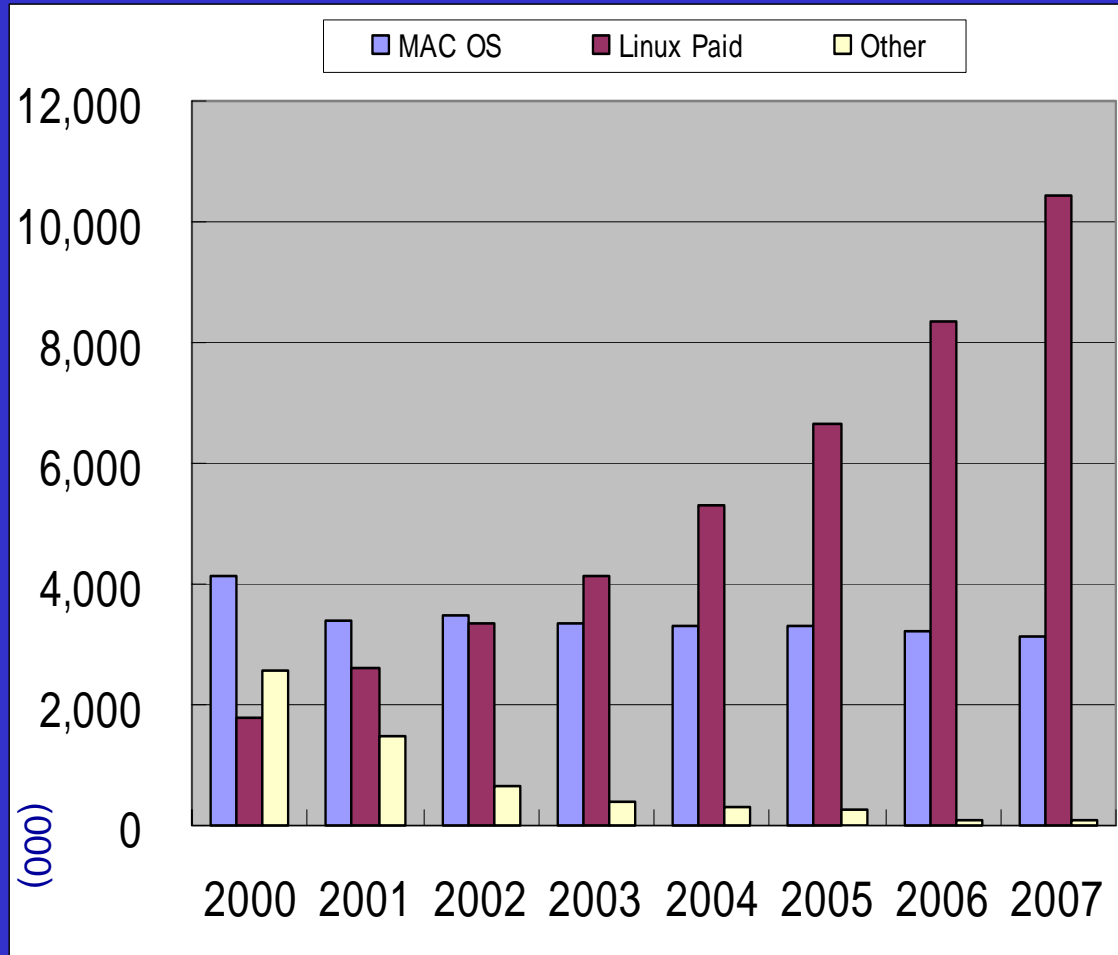


	Share(%) (2004)	CGR(%) (2003-2007)
Linux:	3%	18.4%
Unix:	1%	-16.9%
NT/2K/XP	89%	4.1%
Other:	7%	-11.8%

Source: Market Research by IBM (2004/Apl)



The growth of non-Windows desktops (WW)



Linux Client Growing at a CAGR of 25.4%



Clients-Linux has the highest growth and took over as #2 ahead of the MAC OS in 2003

The Linux client install base will triple from 2003 to 2007

Source: IDC, August 2003 #30159

Worldwide Client and Server Operating Environments Forecast, 2002-2007: Microsoft Growth Sets Stage for SOE Dominance



Topics of Desktop Linux

India moving to Linux

INDIA'S GOVERNMENT Department of Information Technology has announced a sweeping initiative (the Linux India Initiative) to move the entire country to Linux as its "platform of choice"

People's PC project in Thailand

Thailand's Information, Communications and Technology (ICT) ministry will offer **100,000 computers** by super cheap price in the project.
HP's laptop for 458\$ Local computer maker's desktop PC for 256\$

Wal-mart sells super cheap Linux PC

We can get Linux desktop from **200\$** at Walmart.com !!!

\$42 million migration ***-Munich city in Germany***

Switch from Windows and Office to Linux software on **14,000 desktop PCs**. Install open-source word processing, spreadsheet and Web-browsing programs on desktop PCs and laptops for 16,000 city workers.



OSS Desktop Issues

❑ Significant file fidelity issues exist when moving files between Windows applications and OSS applications.

- These issues become most visible when more than the basic functionality of the Windows application is utilized.
- Most end users only use basic functionality in an application. However, widely shared productivity applications are almost always created by power users !
- if the user's receive and then transmit file to and from MS Office users, there is a chance that some of the data contained in the files being round tripped will be lost.

❑ OSS on the desktop is not mature enough for productivity users.

- Start with OSS on the desktop where the usage pattern of the user matches the capability of the OSS desktop and the applications available
 - Examples : Fixed Function applications, Kiosks, transaction applications, browser based applications using Mozilla

❑ There is no TCO when migrating from one Fat desktop to another Fat desktop

It actually costs more to support an additional desktop Operating System and the applications on that additional Operating System are typically far less mature

❑ Inconsistent font usage by OSS today is a substantive end user issue.

This issue will only be resolved as Linux on the desktop matures.

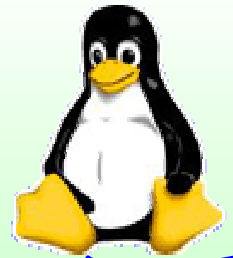
- Many of the existing font sets today are proprietary



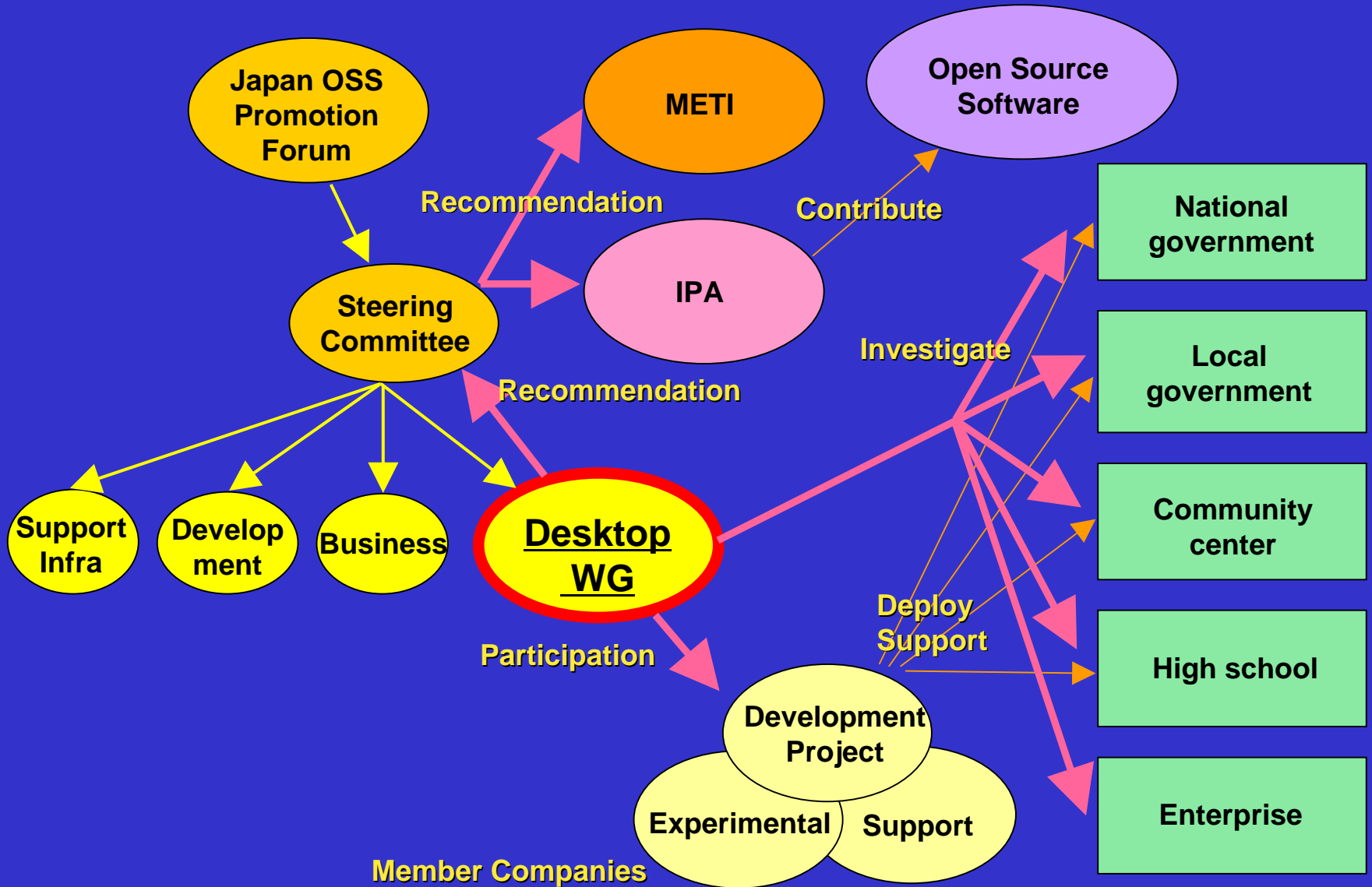
The objective of Desktop Working Group

Desktop Working Group aims clearing issues which prevent OSS Desktop from being popular, and proving that OSS Desktop can be practically used.

***OSS Desktop means end user environment developed on Open Source operating system in this term.**



The position of Working Group








Chronology

<i>May/2004</i>	Foundation (Held 5 main conferences, and 1 ad-hoc meeting as of 6/22/04)
<i>-end of Jun</i>	Define demands and contents of experiments
<i>-early in Jul</i>	Study about PoC (Proof of Concept) experiment
<i>-early in Oct</i>	Start PoC experiment
	Install Linux + SW
<i>Sep – Oct</i>	Start PoC experiments (Phase 1)
<i>Nov – Feb/2005</i>	Start PoC experiments of administrative system delivery (Phase 2)
<i>Mar</i>	Issue final report



Schedule

May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
 Foundation										
	 Define demands and contents experiment									
		 Study about PoC experiment.								
					 Start PoC experiment					
				→ PoC experiments (Phase 1)						
		PoC experiments (Phase 2)				→ Report				
									Report	



Result from investigation of schools

Desktop WG has researched functional requirements, support requirements, price competitiveness, and issues that desktop systems should have when they used in schools.

- ❑ Key findings interview to school boards, high schools, colleges, and universities.
- ❑ SW functions required by schools.
- ❑ Enterprises / schools support comparison.
- ❑ Desktop requirement by schools.



Support for enterprises and schools

	Enterprises	Schools
Support hours	24h/365days	Business hour5days/week
Request person in charge	Unspecified many people	Limited people
Urgency	High (Some people's jobs can be terminated)	Medium (able to exchange with alternative system)
Machine type	Varied	Specified
System customize	Individually	Not applied for students
Data warehouse	Local and servers	Only important data in servers
Support formation	On site	Send back is available
Applications available	Many	A few
Action plans for Security	Sufficient	Insufficient
Recovery method	Recover from failure	Recover to initial status



The contents of experiments (Under planning)

✳ Experiments for schools

- ✳ OSS Desktop usage for group study and students

- ✳ OSS Desktop usage for teachers

- ✳ OSS Desktop usage for school boards

- ✳ Support services



Class Room Image Deployment Project



Administrator in school

- Primary trouble shooting
- Maintenance servers in school



Reference PC

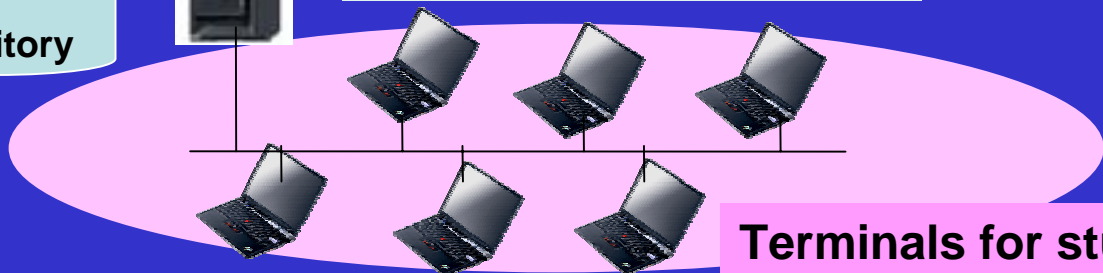
- Roles :
- Make images
 - Transfer images



SW
Repository

Servers in school

- Roles :
- Image deployment services
 - Wake on Lan
 - Admin console, report



Terminals for students

- Roles :
- Client without images
 - Study Notes terminals

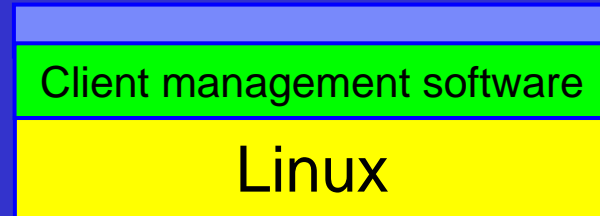


Test machine environment



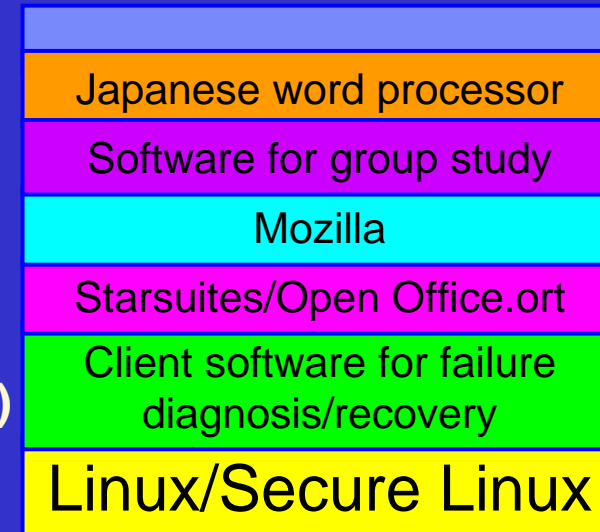
Server environment:

Client management software
Linux



Client environment:

Client software for failure diagnosis/recovery
Software for group study
Mozilla
Commercial Japanese word processor
StarSuites/OpenOffice.org
Linux (for students) /Secure Linux (for teachers)



Network environment:

Wireless LAN
Internet connectivity
Network printer



Device environment:

Removable storage device
Digital camera



Desktop Working Group member list

IBM Japan

NTT Data

Novell/Suse

METI

NEC

Sumitomo Electric Industries

Red Hat

IPA

Nihon Unisys

Argo21

Turbolinux

OSDL

Sun Microsystems

NTT Comware

Miracle Linux

OADG

Fujitsu

Nomura Research Institute

JUSTSYSTEM

AIST

Business Search Technologies

Canon

Mitsubishi Research Institute

Mozilla



We will enlighten people that desktop Linux can be the alternative of Windows under the specific conditions.

-Target in next March 2005



THANK YOU!!!

