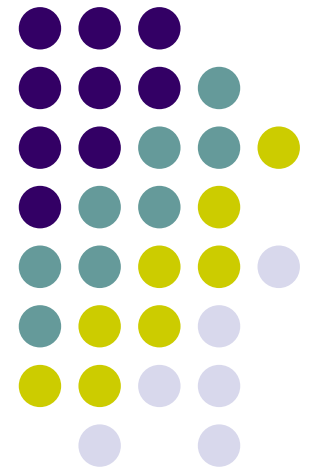


Activities of Japan OSS Promotion Forum

Steering Committee Chair
SHINICHI YAMADA

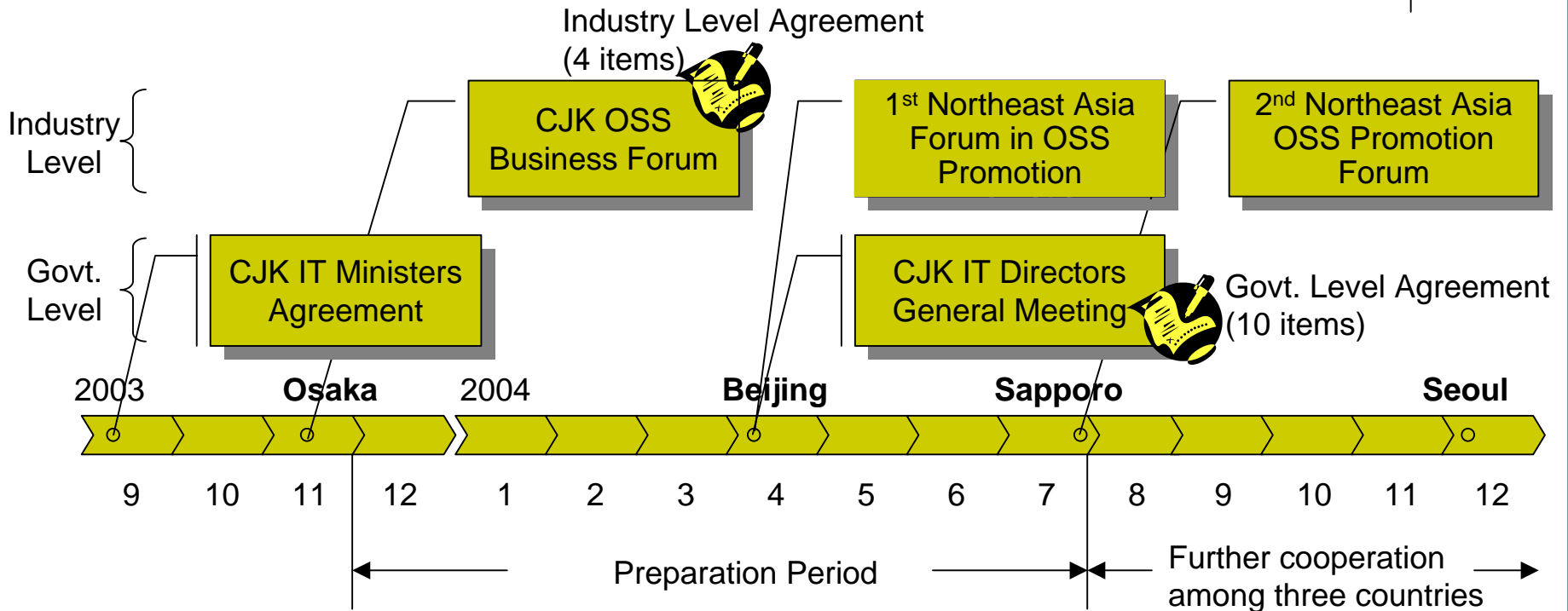


Agenda



- Establishment of Japan OSS Promotion Forum
- Important Issues in OSS Acceptance
- Creation of Working Groups in Japan
- Introduction to Working Group Activities
- CJK Joint Working Group Proposal
- Conclusion

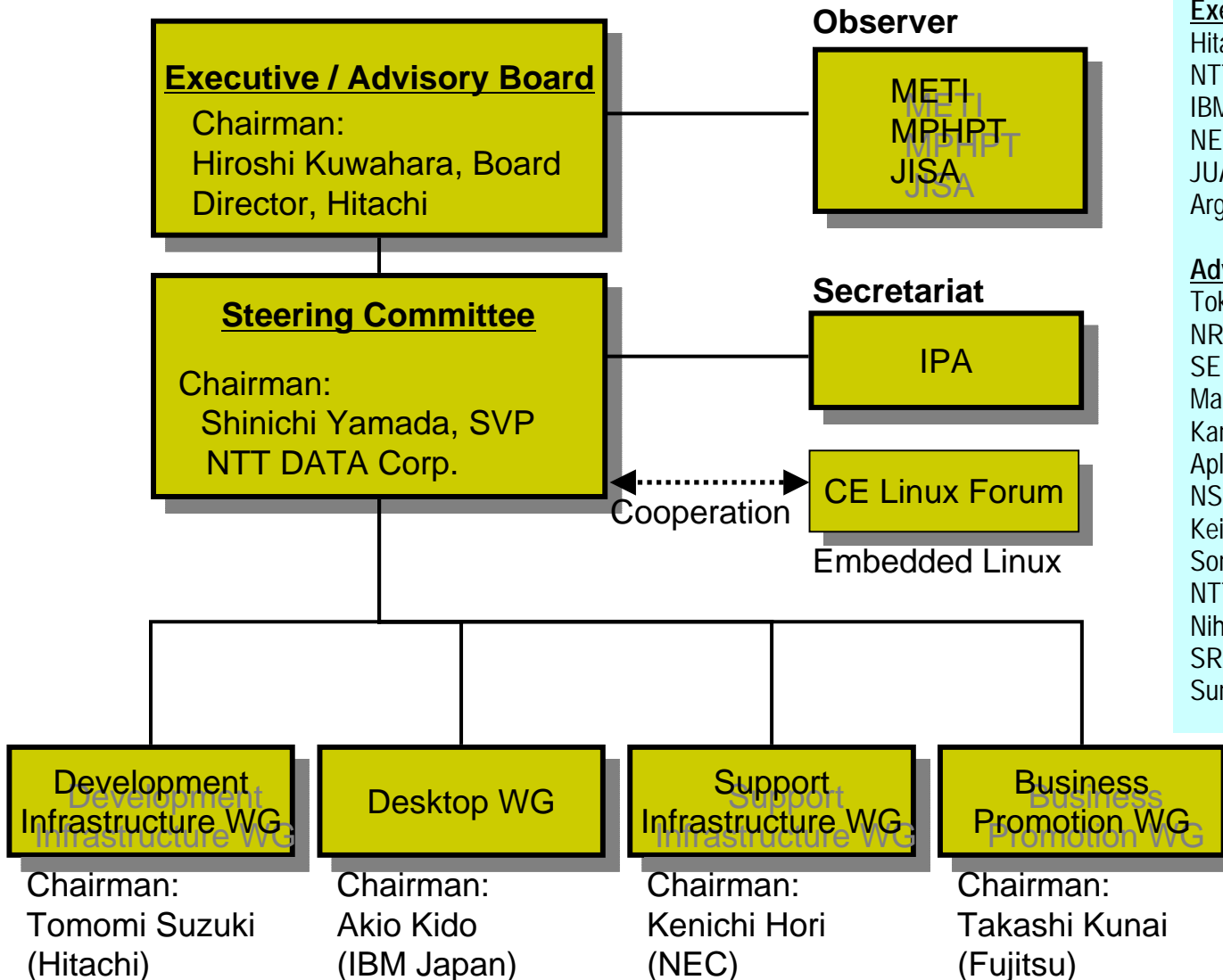
CJK Cooperation in OSS Promotion



Creation of Japan OSS Promotion Forum and WGs
 Creation of Korea OSS Promotion Forum and WGs
 Creation of China OSS Union and WGs

CJK Joint WGs

Japan OSS Promotion Forum Organization Chart



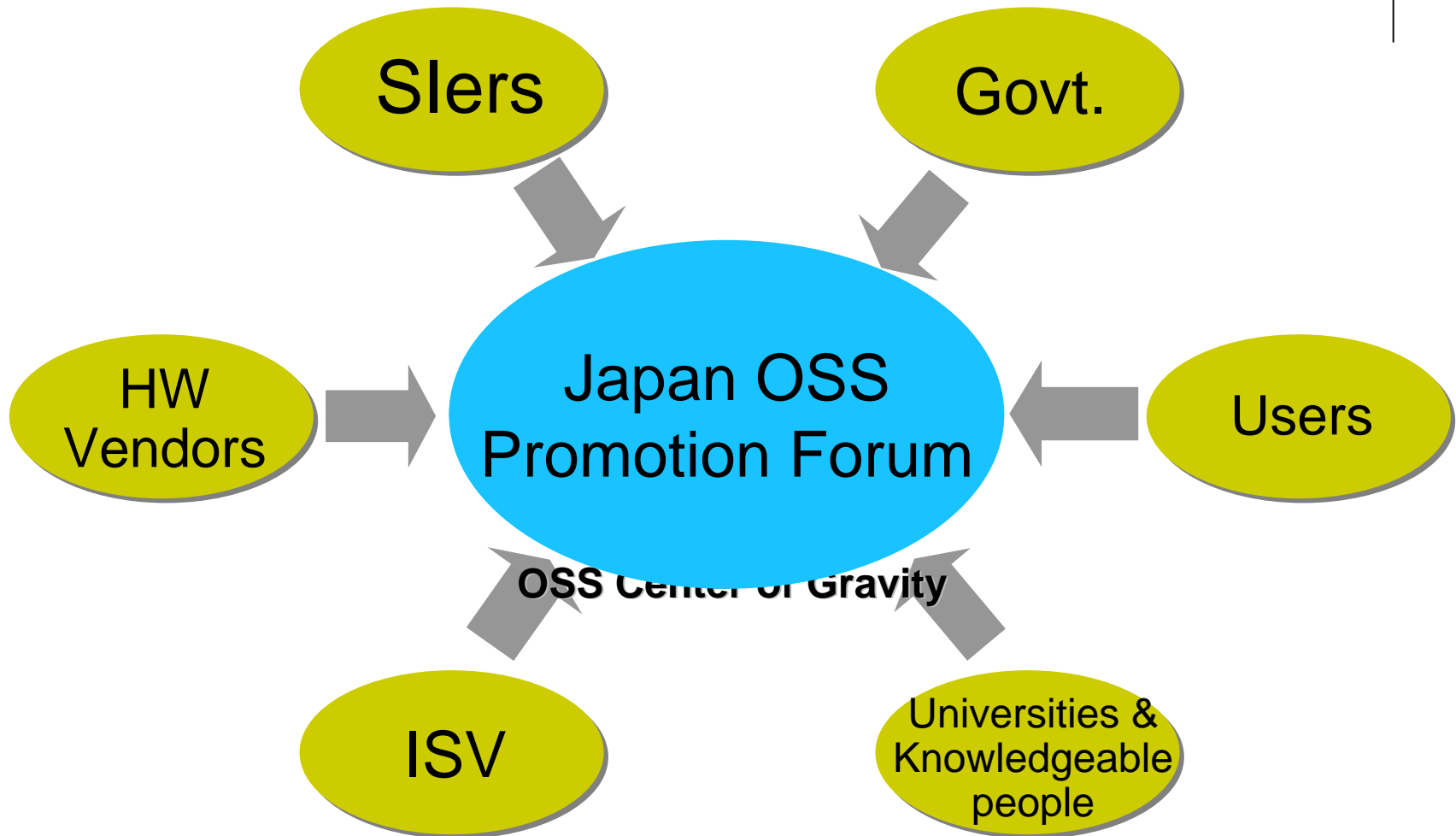
Executive Board

Hitachi, Ltd.
NTT DATA Corp.
IBM Japan
NEC
JUAS
Argo 21

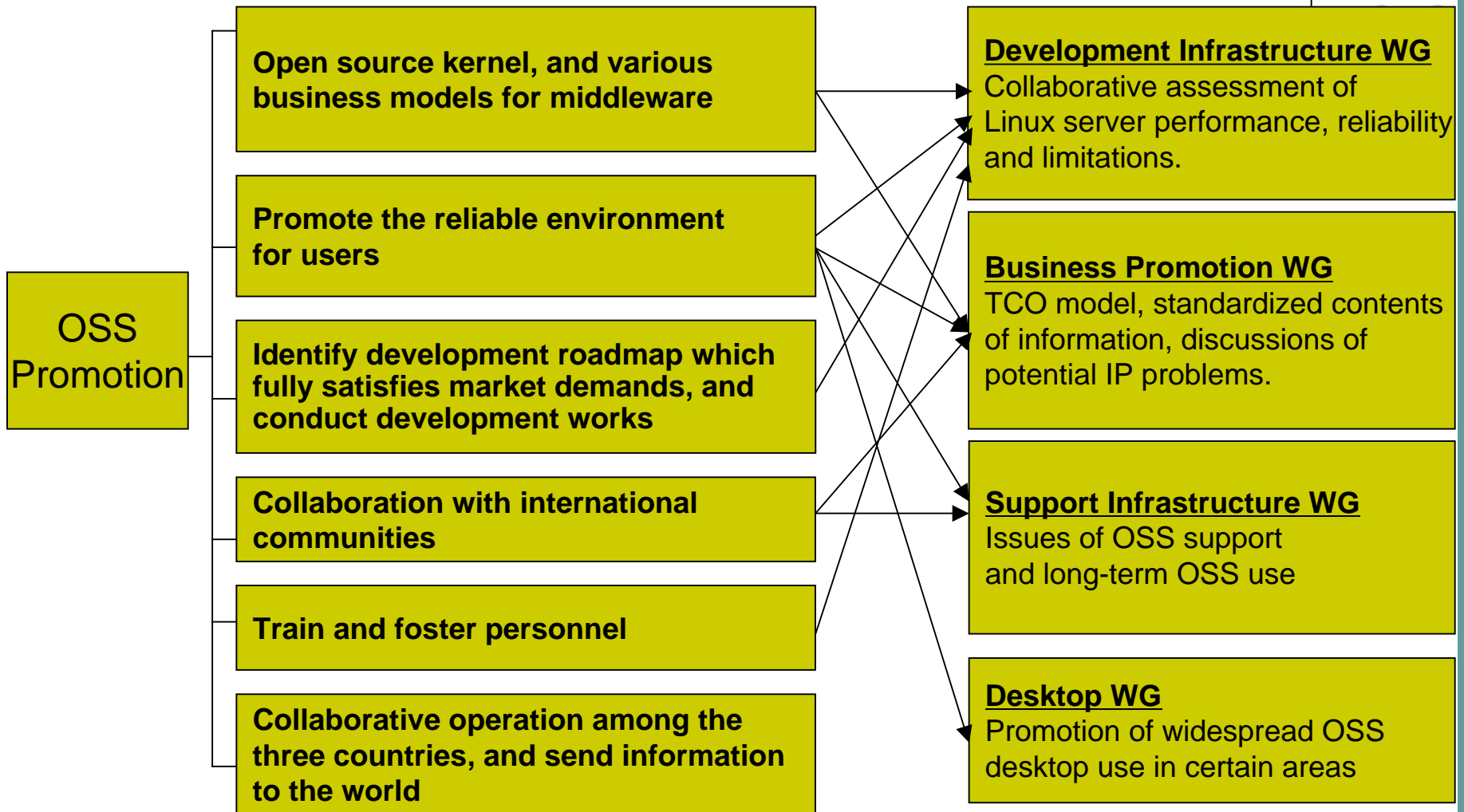
Advisory Board

Tokyo Gas
NRI
SEI
Matsushita Electric Industrial Co., Ltd.
Kanazawa Institute of Technology
Aplix Corp.
NS Solutions Corp.
Keio University
Sony Corp.
NTT Comware Corp.
Nihon Unisys, Ltd.
SRA Corp.
Sun Microsystems Corp.

Forming the Center of Gravity



Current WGs for OSS Promotion



Japan OSS Promotion Forum WGs



WG	Chair	Objectives	Current Status
Desktop	Mr. Kido IBM	Promote OSS desktop adoption by solving existing problems and demonstrating its readiness for large scale deployment in certain areas.	Identifying desktop requirements for use in schools, govt. and enterprises. Testing desktop capability and weaknesses through field trials for future improvement.
Development Infrastructure	Mr. Suzuki Hitachi	Exchange data & information on Linux server performance, reliability and limitations in order to support widespread use of Linux servers.	Discussing the possibility and schemes of information and know-how sharing among participating companies. Jointly performing reliability and performance assessment, tool development.
Business Promotion	Mr. Kunai Fujitsu	Provide necessary infrastructure for OSS business promotion.	Discussing OSS TCO model. Standardizing vendor information through uniform measurements. Providing IP related suggestions for OSS.
Support Infrastructure	Mr. Hori NEC	Locate existing problems in OSS support and long-term use, and provide problem solving suggestions to promote widespread OSS use in server and desktop.	Conducting studies on roadmap and policy of vendors and communities regarding long-term use of OSS. Providing suggestions to vendors, communities and OSS users.

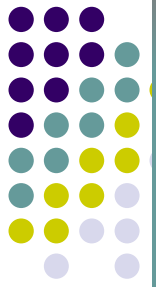


WG ACTIVITY UPDATES

Desktop WG



Introduction to Desktop WG



WG Objectives	Desktop WG aims to clarify issues which prevent OSS Desktop from being popular, and to prove that OSS Desktop can be practically used.
Expected Output	<ol style="list-style-type: none">1. Demonstration of OSS desktop capability through field trials.2. OSS desktop reference model for school distribution.3. Lower support cost for OSS desktop.4. Exposure of areas requiring further improvement through field trials.
WG Members	IBM (WG Chair), NTT DATA Corp., Sumitomo Electric Inc., IPA, Argo 21, NTT COMWARE, NRI, Fujitsu, NEC, Nihon Unisys, Sun Microsystems, Turbo Linux, Business Search Technologies, Novel, Justsystem Corp., OSDL, OADG, Miracle Linux, Canon, MRI, Mozilla.org

Desktop WG Activity Plan

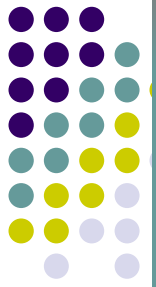


Activities

For each usage scenario in school, govt. and enterprise, perform the following tasks.

- (1) Identify functional and support requirements, locate existing problems.
- (2) Provide problem solving suggestions.
- (3) Prepare for field trials
 - listing evaluation items
 - sample implementation solving existing problems
- (4) Conduct field trials
- (5) Evaluate field trial results (proofs of OSS desktop capability)

(school usage scenario will have the highest priority.)

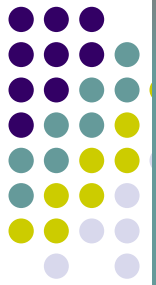


WG ACTIVITY UPDATES

Development Infrastructure WG

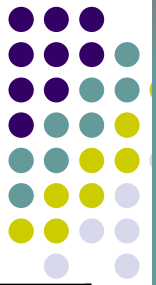


Introduction to Development Infrastructure WG



WG Objectives	Provide users with reliable information on server Linux performance, reliability, limitations through information sharing and collaborative assessments among hardware / software vendors, Slers, and Linux distributors.
Expected Output	<ul style="list-style-type: none">(1) Sharing of benchmark tools, procedures, and results(2) Development of tools<ul style="list-style-type: none">· Tools to increase Linux server reliability e.g. memory dump, visualizations of fragmentation of file systems· Tools for benchmark analysis e.g. Linux Kernel Tracers to analyze bottlenecks
WG Members	Hitachi (WG Chair), NTT DATA Corp., NTT Comware, NRI, NSSOL, Nihon Unisys, SRA, Sumisho Computer Systems, Miracle Linux

Development Infrastructure WG Activity Plan



Activities

Phase 1 Formation of Community (latter half of 2004)

- (1) Assemble domestic Linux vendors and system integrators; attain cooperative consensus

Process:

- Knowledge sharing, collaborative benchmark assessment (Ph.1)
- Development of high-reliability tools

- (2) Establishment of a cooperative WG within the CJK OSS Promotion Forum (strengthen working relationships, cooperative consensus)

Phase 2 Development and Expansion of Community (2005)

- (1) Benchmark assessment (Ph.2), and announcement of results to community
- (2) Introduction of new community members (e.g. student involvement)
- (3) Collaborative development with the CJK OSS Promotion Forum (Ph.1)

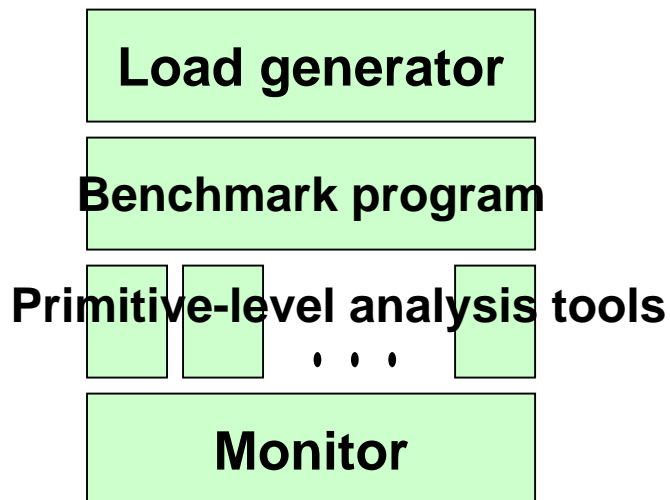
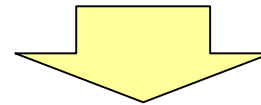
Phase 3 Further Expansion of Community (2006 and onwards)

- (1) Publication of collaborative development results, increase of users
- (2) Introduction of user cases where WG findings have been applied
- (3) Collaborative development with the CJK OSS Promotion Forum (Ph.2)

Collaborative Benchmark Assessment



- Phase 1
 - Design a primitive-level benchmark based on an existing benchmark (such as TPC-W)
(review procedures and tools)
- Phase 2
 - Develop benchmark programs if necessary
(benchmark program development, porting, data creation)
 - Prepare tools for primitive-level analysis using benchmark results
(using LKST (Linux Kernel State Tracer))
- Phase 3
 - Performance testing
 - Analysis, evaluation



- (1) Shared procedure**
- (2) Shared tools**
- (3) Shared results**

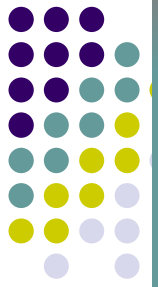


WG ACTIVITY UPDATES

Support Infrastructure WG



Introduction to Support Infrastructure WG



WG Objectives	Locate existing problems in OSS support and long-term use, and provide problem solving suggestions to promote widespread OSS use in server and desktop environments.
Expected Output	Suggestions to policy makers. Suggestions to support vendors. Suggestions to OSS development communities, OSS users.
WG Members	NEC (WG Chair), Fujitsu, Hitachi, Nihon Unisys, NRI, NTT Comware, NTT DATA Corp., NS Solutions Corp., RedHat, Miracle Linux, Turbo Linux, Novel

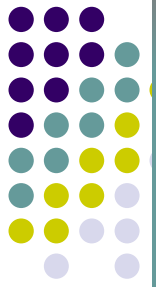
Support Infrastructure WG

Activity Plan



Activities	<p><u>OSS Support</u></p> <p>(1) Support Structures</p> <ul style="list-style-type: none">a) survey OSS communities, support vendors and conduct related case studies.b) establish common service level standards. <p>(2) Support Technology Infrastructure</p> <ul style="list-style-type: none">a) availability of problem diagnosis tools and related informationb) tool requirements and tool development priority <p><u>OSS Long-term Use</u></p> <p>(1) Plans of development process</p> <ul style="list-style-type: none">a) survey OSS communities, conduct case studies.b) provide support to certain OSS projects. <p>(2) OSS Backwards Compatibility</p> <ul style="list-style-type: none">a) current situation of version upgrade and compatibility.b) provide Linux compatibility information.
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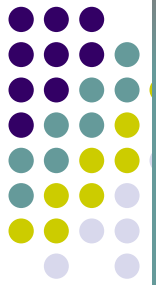
Current OSS Support Activities



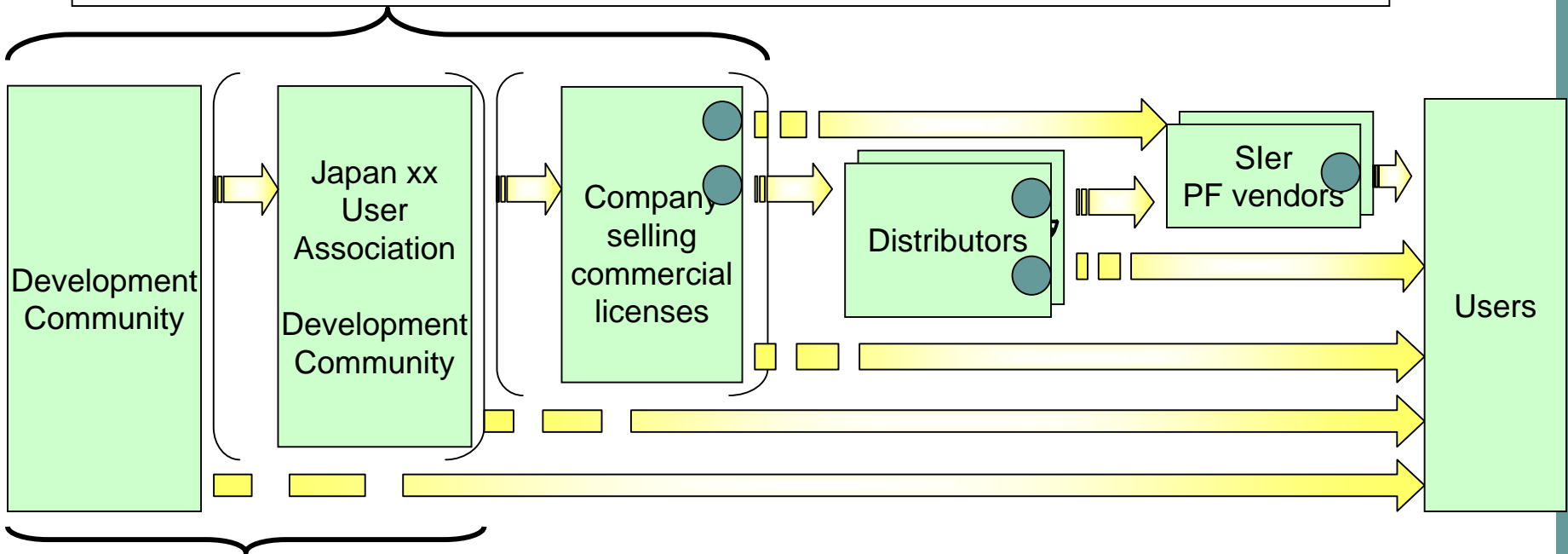
- Produce reports on major OSS regarding delivering patterns of software and support to end users in order to reduce feelings of uncertainty.

- Demonstrate that support vendors (PF vendors, Slers, etc) usually provide commercial product level support for major OSS.
- Make clear that for major OSS, strong development communities exist, and development is carried out by organized activity.
- Point out different support choices (separation of development and support)
 - Same level support as conventional proprietary products
 - Low cost self-support for users with sufficient knowledge and resources
- Define the standard support level based on collected data.

Surveys on OSS Support Patterns

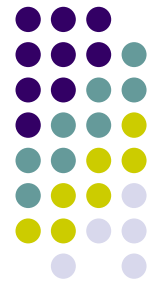


- S1. support contents/menus ● : menus w/ cost ○: mutual support
 S2. bug tracking systems : Y/N (BugZilla,ML,emails to individuals, etc.)
 S3. support policy :
 S4. support status : (inquiry frequency, types, TAT, type of fixes, frequency, etc.)
 S5. roadmap existence :
 S6. decision making for future release :



- C1. operation fund: donation, patron company, etc.
 C2. private organization or corporation (NPO, etc)
 C3. contracts, operation rules : Yes/No

Investigation Targets of OSS



- Target selection criteria

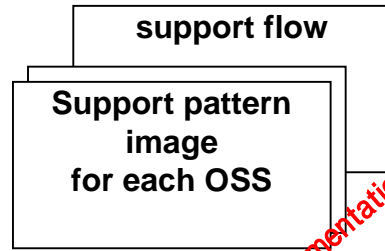
- Frequently used by ordinary companies
- Play an important role in supporting business applications
- Have commercial support (from support vendors, PF vendors, etc.)

Current investigation targets as below

- **Linux**
- sendmail, qpopper
- Apache, Tomcat, squid
- **Samba**, xx-FTPD, Bind
- OpenSSH, OpenSSL
- UCD-SNMP
- **PostgreSQL**, **MySQL**
- PHP
- Namazu
- **JBOSS**
- **NIC drivers**
- RAID drivers

- Red Hat
- NEC
- NSSOL
Fujitsu
- NTT DATA
- Hitachi
- UNISYS
- Companies in charge

Current investigation scopes. New targets will be added in the future



Documentation Images

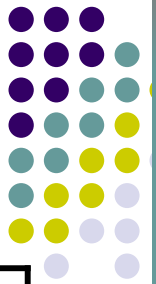


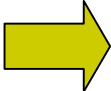
WG ACTIVITY UPDATES

Business Promotion WG

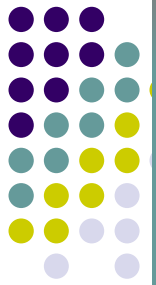


Introduction to Business Promotion WG



WG Objectives	Provide necessary infrastructure for OSS business development.	
Current Issues	<u>Information Availability Issues:</u> (1) TCO benchmarking (2) vendor technical information (3) case study information (4) OSS technical information	<u>IP related Issues:</u> (1) user perception (2) vendor, Sler, distributor formation (3) cooperation with development communities
Expected Output	<div style="text-align: center;">  </div> Policy makers IT vendors OSS communities Users Education Institutions	
WG Members	Fujitsu (WG Chair), NTT DATA, NTT Comware, NS Solutions, NRI, Hitachi, NEC	Fujitsu (WG Chair), NTT DATA, NTT Comware, NS Solutions, Hitachi, NEC, Nihon Unisys, METI, SOFTIC, JISA

Information Availability Issues and Suggestions



Issues	Current Problems	WG Discussions / Suggestions
(1) TCO Benchmarking	a) results depend on vendors and analysts who conduct the benchmark. b) OSS advantages are not fully understood by users.	a) Support self conducted benchmarks by users. b) List items based on whether they can be budgeted. c) Analyze OSS advantages.
(2) Vendor technical information	a) Information is published on web sites as vendor product information. b) Contents of information vary from vendor to vendor. c) It's difficult for users to find the right information.	a) vendor information still will be the main source of information for users. b) but, it's necessary to define the contents of information and guidelines on how the information shall be represented.
(3) Case study information		
(4) OSS technical information	a) information is available on various media web sites, individual web sites. Sometimes as part of vendor product information. b) It's hard for users to determine the quality and freshness of the information	Create recommendation schemes for web sites with high quality information.

IP Related Issues

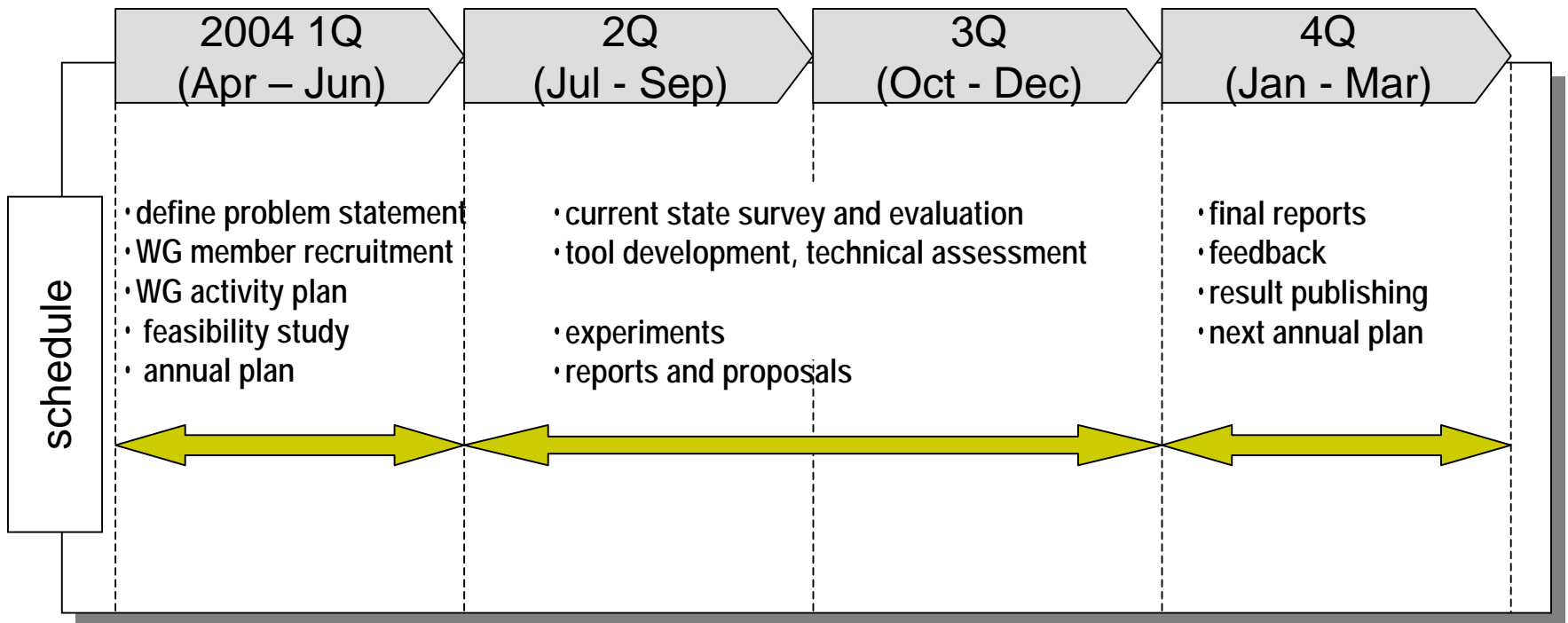


Issues	Current State	WG Discussions
(1) User perception	There are vague anxieties among users from FUD (Fear, Uncertainty, Doubt).	WG will discuss the methods of providing correct information to users regarding IP related issues.
(2) Vendor, Sler, distributor formation	Vendors, Slers and distributors may adopt different business models. They sometimes provide different interpretations regarding the same issue.	
(3) Cooperation with development communities	There are two kinds of developers, enterprise developers and individual developers. Enterprises may have different development procedures.	WG will discuss the possibility of providing guidance for development activities.

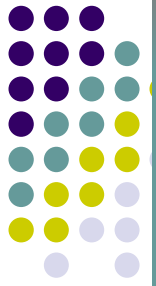
WGs Activity Schedule for FY2004



- The activities of the four working groups are based on the following schedule.



The real schedule for each WG may be slightly different from above.



CJK Joint WGs Proposal



Creation of CJK Joint WGs



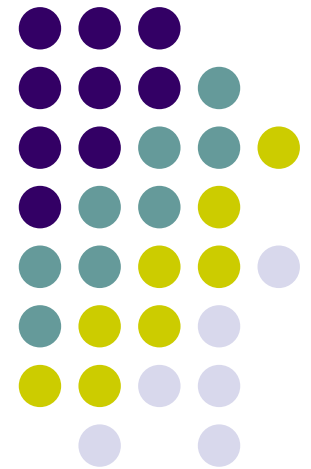
- China, Japan and Korea have agreed to create the following Joint WGs to facilitate further cooperation in OSS development and promotion.
- Joint WGs:
 - WG1: Technology Development & Assessment
mainly address issues regarding technology assessment on performance, reliability, limitations of Linux servers
 - WG2: Human Resource Development
mutually exchange views on and study specific methods of human resource development and personnel exchanges.

Conclusion

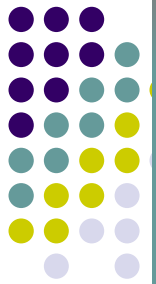


- Introduction to Japan OSS Promotion Forum and WGs
- Japan WGs focus on desktop, server reliability and performance, business promotion and OSS support
- Activities of Japan WGs are in full force, attracting more and more participants
- CJK agreed to Create joint WGs to further facilitate cooperation on OSS development and promotion

References



“Towards OSS New Era from Asia” Four Agreements on November 14, 2003 Osaka (among JISA, CSIA, and FKII)



agreements

1. IT service industries from Japan, China and Korea will take the lead to establish an OSS (Open Source Software) promotion body in each country and create “Japan-China-Korea OSS Promotion Partnership (a tentative name)” where the activities of the three bodies will be united.
2. The promotion bodies in the three countries are expected to make concrete action plans as soon as possible.
 - (1) Create a directory (“OSS know-who list”) by which every activity on OSS in each country is easily understood to accelerate the cooperation among the three countries.
 - (2) Establish appropriate Working Groups such as Standardization WG, Embedded WG, and Operation / Support /Business Model WG, Human Resource WG to accelerate the concrete cooperation.
3. The industries from the three countries will strongly recommend the governments to procure OSS in order to guarantee and improve the quality of OSS.
4. The cooperation process among the three countries should be accelerated next year. It is suggested that “Japan-China-Korea OSS Promotion Partnership” activities will be held in Beijing, in March, 2004. Sapporo in July(tentative), 2004, and Seoul in November, 2004.



CJK IT Directors General Agreements (April 3, 2004)

item	agreements
	Create favorable policy environment for the development and utilization of OSS, especially Linux.
	Cooperate on the standardization of Linux, character set, document exchange format, etc.
	Promote research and development, commercialization and deployment of desktop Linux, server Linux and office software for Linux in China, Japan and Korea.
	Encourage embedded Linux Joint research and its utilization in digitalized 3C (Computer, Communication and Consumer Electronics) products such as PDA, digital camera, etc.
	Promote the utilization of Linux in fields of e-government, enterprise information system and remote education, etc.
	Jointly study the best way to support SMEs such as establishment of Linux Public Service Platform (or Software Industry Promotion Center or Engineering House).
	Study software certification and compatibility testing for Linux to motivate more hardware and software vendors to support Linux.
	Establish Northeast Asia OSS Promotion Forum to let China, Japan and Korea make more contributions to the global community of OSS.
	Cooperate on human resource development of OSS especially of Linux
	Study and exchange information on relevant policy (such as competition policy) of software industry.