

Discussion on the Problems to be Solved toward the Migration to OSS Productivity Software in the Business Enterprises

OSS2012, 11th Sep 2012

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Problems

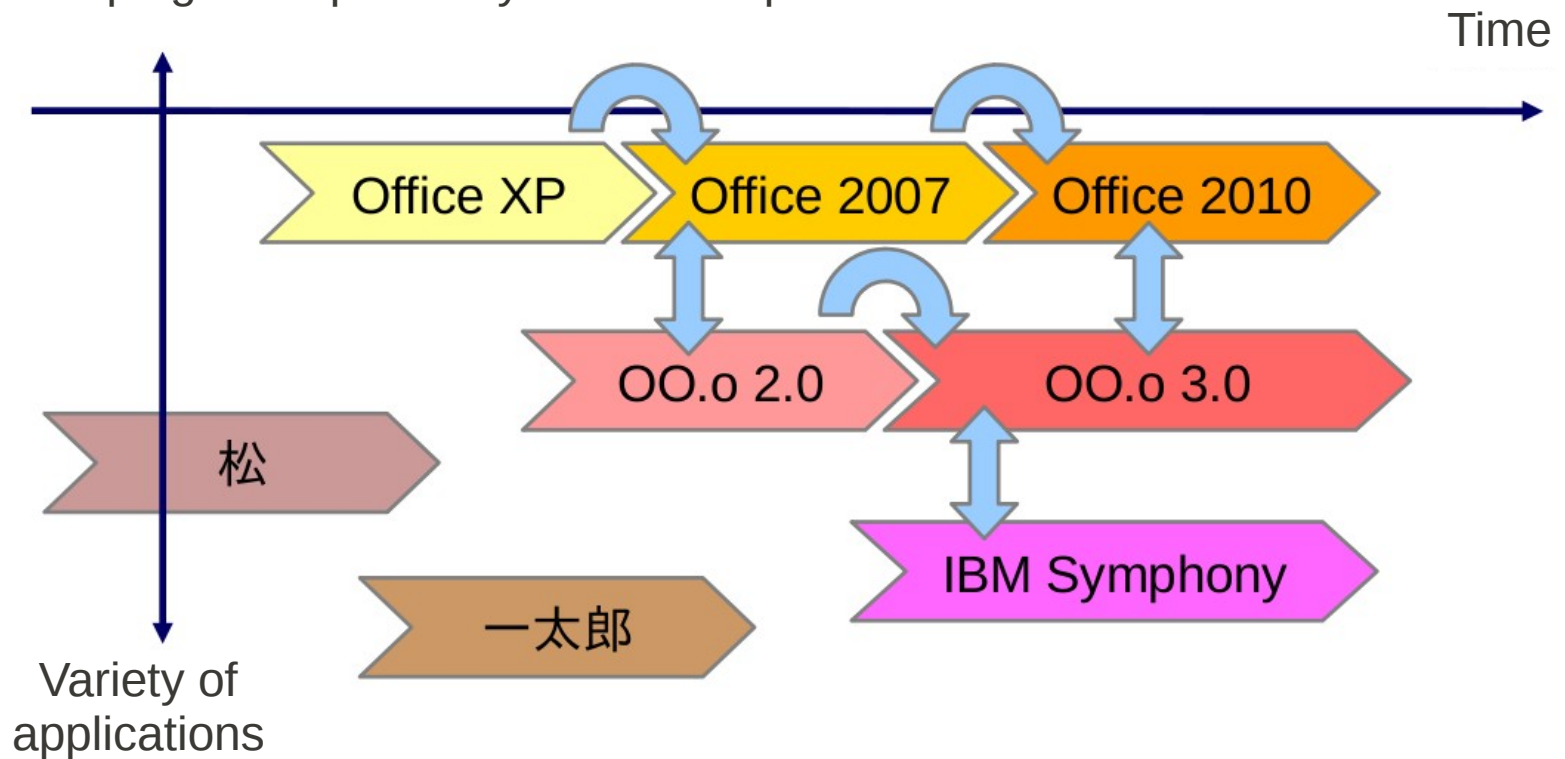
- The standardization of document format is popular in the private companies ?
- Do they need to standardize their own documents, for information exchange, long term storage, etc...

Information exchange and standardization

■ Key points to keep the interoperability

■ “Time scale” and “Variety of applications”

- Keeping interoperability has two aspects



ODPG

- ODPG ... OpenOffice.org & OpenDocument Format Promotion Group, Japan
 - Focusing on using OSS productivity software...
 - OpenOffice.org, LibreOffice, Apache OpenOffice
 - OpenDocument Format
 - Based on the format used by OpenOffice.org
 - ISO/IEC 26300:2006
 - OOXML is another standard for the office documents
 - There is no standard implementation of OOXML-based application!

Activities of ODPG

- ODPG has 24 member companies



Case study working group (CS-WG)

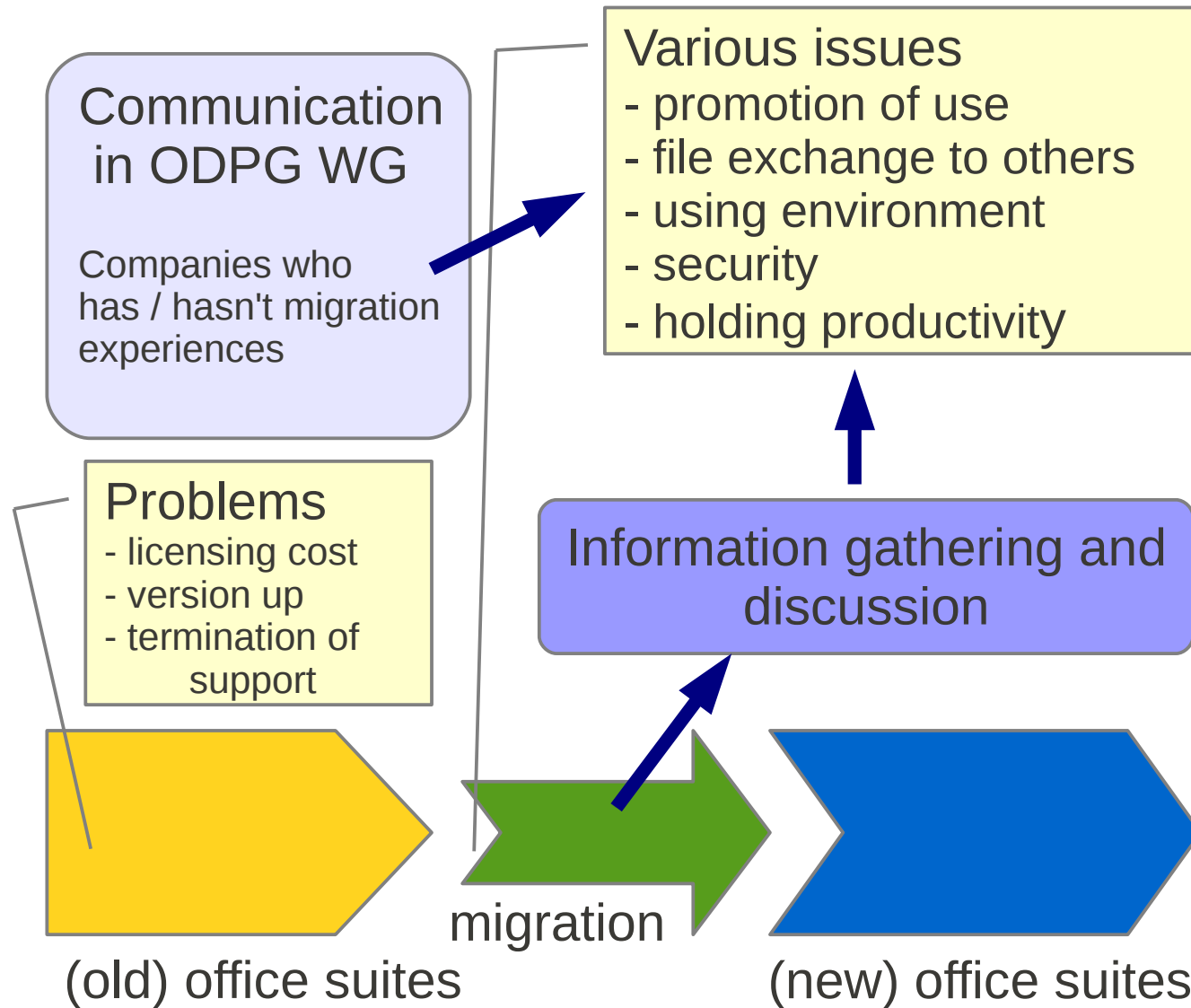
■ Objectives

- To accelerate promoting OO.o and ODF
 - Collecting useful information for the migration
 - The information is shared by members

■ Unique aspect of ODPG

- There are two types of members
 - Advanced member
 - Migration was already done by themselves
 - Planning member
 - Migration is not conducted, but just planned

Work flow in CS-WG



Problems and issues

- Problems and issues proposed by members
 1. Promotion strategy
 2. Interoperability; file exchange with others
 3. Preparation of using environment
 4. Security
 5. Keeping productivity
 6. Others

Promotion strategy

- Choice of products

- Difference of strategies

- Depending on the size of organization and working style

- Migration strategy

- Gradual or partial migration is recommended

- Preparation of documentations

- training materials, manuals, tips, ...

- ODPG will share these information to accelerate the migration in other members

File exchange with others

■ Conditions

- NG: “one to one” or “one to few”
- “One to many” exchanges must be considered!

■ Two solutions

1. To fix a range of document representation where we can keep the interoperability between ODF, OOXML, and the other native format.
 - To prepare guidelines to write documents
2. Decompose OOXML document and rebuild it within a scope of interoperable format
 - Skills and investment to build such a system required

Preparation of user environment

- Printing and upgrading versions
 - From many members...
- Printing is NO PROBLEM!
- Problems in the upgrading process
 - Distribution of a large size file for upgrade installation
 - It would be tough problem if the intranet connection is poor
 - We have to prepare some particular system to consolidate versions in an organization
 - Critical to control software versions by system management
 - *These problems are not OSS specific problem*

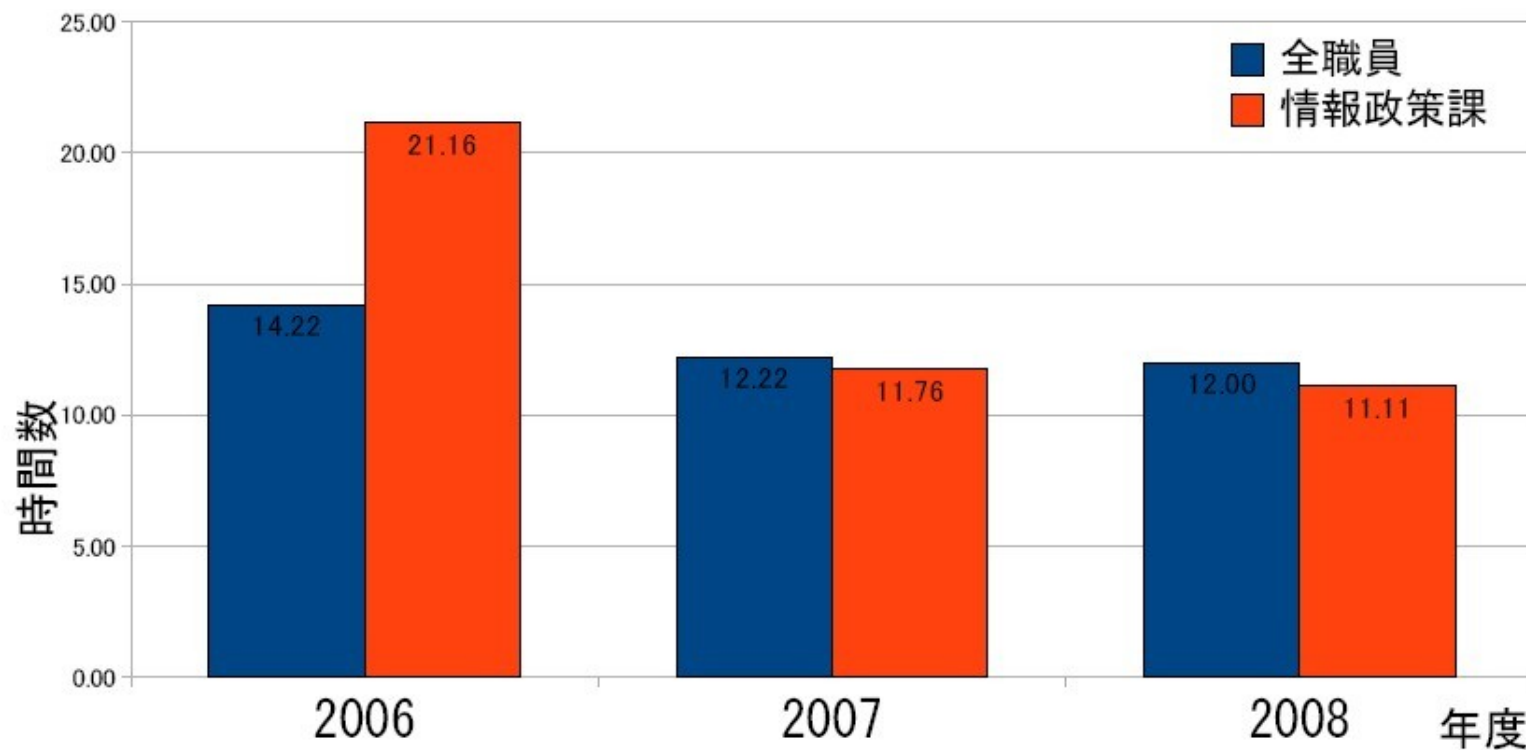
Productivity

- Productivity of business transactions decline after the migration ?
- Problems, key points, and expectations
 - Human factors
 - Users are familiar with existing software...
 - *This is also not a OSS specific problem*
 - Be careful if the parallel operation will be required
 - Conflict against existing business systems
 - Business process analysis and migration support services can help you if needed

An example of productivity metrics transition with a migration of office productivity software

■ An example of Aidsu-wakamatsu city

Average hours of additional working time from April to November



Source : Aidsu-wakamatsu city

Related work

- Many studies on the case of public sectors
 - COSPA (Consortium for Open Source Software in the Public Administration)
 - A project of FrameworkProgramme
 - Ven, *et al.* : the cabinets of the Brussels Capital Region
 - Karjalainen : the government office of Finland
 - Perry, *et al.* : the government office of Canada
- ODPG is focusing on the case of private sectors

Conclusion

- ODPG promotes information exchange on the migration from proprietary office software to OSS office software.
- There are many problems: promotion strategy, file exchange, security, keeping productivity, and so on, in the migration.
- Case study working group (CS-WG) tries to figure out the problems and issues to realize the trouble-free migration.

Thanks for your attention!

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