
MEETING OF THE
Expert Team on WORLD DATA CENTRES
(JMA, Tokyo, Japan, 21-23 January 2014)

Open source approach for development of WDC software *(submitted by Tony Colavecchia)*

1. OPEN-SOURCE SOFTWARE (OSS)

OSS is freely licensed to use, copy, study, and change the software in any way, *and* the source code is openly shared so that people are encouraged to voluntarily improve the design of the software.

Examples: Mozilla Firefox, Google Chromium, Android and the Apache OpenOffice Suite.

2. 4 REASONS COMPANIES SAY YES TO OPEN SOURCE

1. **Open source keeps costs down** - Cost savings may be only part of open source's allure, but it's still a big part, no matter what size the organization.
2. **Open source improves quality** - Open source fans have long contended that the methodology produces better software.
3. **Open source delivers business agility** - Not to be confused with agile development, business agility is the ability to react to marketplace demands quickly.
4. **Open source mitigates business risk** - reducing dependence on a single or multiple vendors, is that the open-source option may reduce business risk.

3. OPEN-SOURCE SOFTWARE DEVELOPMENT PROJECT

1. Develop a prototype
2. Use agile software development...based on iterative and incremental development, where requirements and solutions evolve through collaboration between self-organizing, cross-functional teams.

4. GAW WDC

- Current approach - Multiple data centres with similar requirements but individual software...is this effective and sustainable?
- Can we move towards an OSS approach?
- Proposal - Build upon WOUDC or other prototype...work together to develop OSS project plan for future iterations of software that meets common requirements (80%). Specific data centre requirements (20%) can be dealt with by individual data centres.