



Cooperation-iws

Operating system

Intranet Nomad Server



Summary

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- The system, the production tool
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The system, the product (1/2)

- Operating system based on Debian Linux
<https://www.debian.org/index.fr.html>
- The Debian flavour works on usb key or hard drive
- Improvement in the fields of reliability, maintainability, ergonomony and availability
- High skilled softwares install to the end user industrialization



The system, the product 2/2

- Software system under open source licence (GPL, ...)
- Commercial purchase and apps store compatibility
- Debian or Ubuntu compatibility



The system, the production tool

- Production tool of Cooperation-iws system is based on open source technology
- Production tool prototype is under stable released and allows batch production
- Production tool industrialization allow industrial partnerships with open source companies ecosystem



Key factors

- Operating system install fit on external media
- Server hardware is removable, operating system boot on several different hardwares successively
- Automated configuration of the applications and the network
- Automated configuration of extranet or intranet zones with dedicated domain name
- Management of the domain names of the intranet without registered authorities



Milestones

- Operating system is based on stable and oldstable Debian release since the Lenny release
- Operating system production tool is under stable prototype status, industrialization requires dev team
- Production tool industrialization requires medium size organisation to target all business markets (>70 people)



Business Models

- System owns applications in all markets of the information society (civil and defence)
- Business models are a function of the system deployment :
 - Large audience success with free patent
 - Hybrid business models, open source / proprietary



Sizing

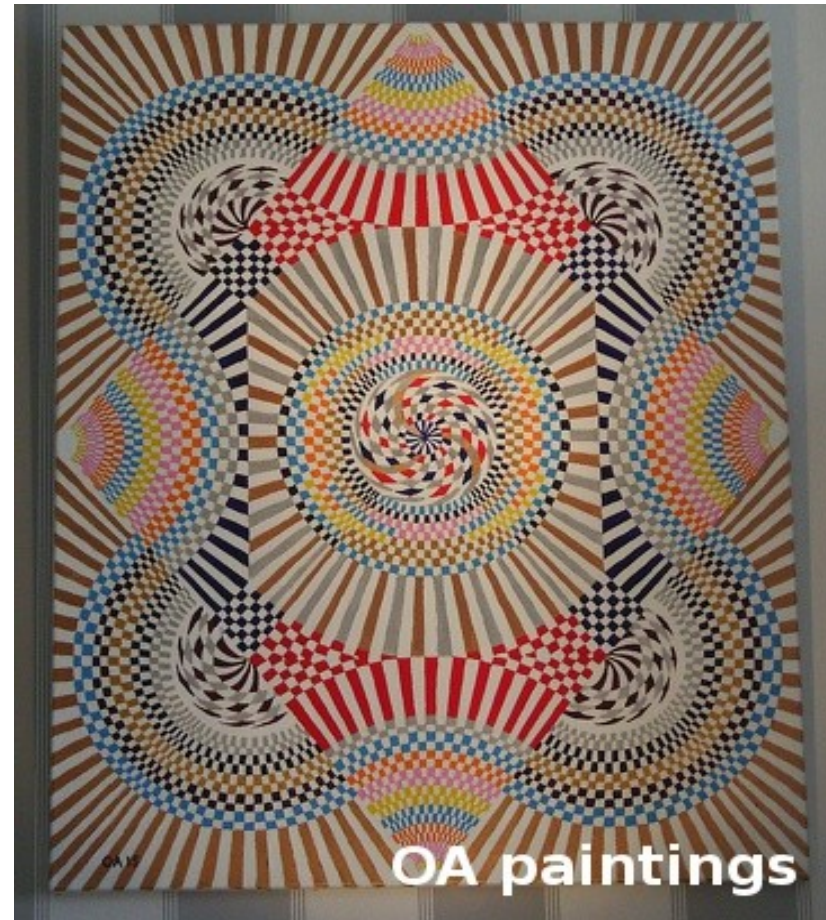
- Business and Production organisation (+120 people)
- Markets :
 - Sales Europe first 2014 semester Microsoft : 20,4 Billions dollars
 - Sales Europe annual Cloud Computing : 15 Billions dollars
 - Sales IBM
 - Sales Red Hat



<http://oa-paintings.cooperation-iws.org>

The cultural policy

« *Internet 2005* »





Applications, personal intranet server

- Long term files and applications storage server (> 10 years)
- Knowledge system building in the field of research, personal development or education
- Very easy data backup (documents, photos, music, vidéo) unreliaant from media (hard drive or server hardware)



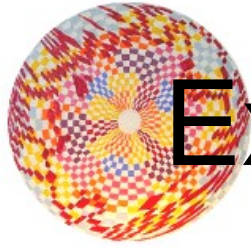
Applications, nomad client

- Key usb install, easily carriable
- Heterogenous laptop, pc hardware use
- Desktop environment is the same for different hardware use



Applications, high availability server

- Files system security
- Interchangable hardware without re-install
- Hot system backup
- Virtual machine or host with the same install



Examples, the knowledge system

- Blog engine for research briefs :
<http://knowledge.cooperation-iws.eu>
- Photoblog engine : <http://gallery.cooperation-iws.org>
- Files server
- Search engine
- Backup and export functions
- Knowledge system philosophy :
<http://blog.cooperation-iws.org/?p=85>



Exemples, the applications server

- ERP applications server (Odoo, ex OpenERP)

https://www.odoo.com/fr_FR/

- Data Management applications server (Nuxeo)

<http://www.nuxeo.com/fr/>

- Email and webmail applications server
(Zimbra, Horde, Roundcube, ...)

<https://www.zimbra.com/>