OSOR: The Open Source Observatory and Repository

«Bringing the European public sector together»

STRATEQO CONSORTIUM

Jornadas gvSIG 2008, Valencia

Presented by: Ismael Olea

Date: *15/01/09*

OSOR OSS expert and activist

Community career:

- FLOSS activist since 1994
- Coordinator of TLDP-ES since 1998 to 2005
- Founding member of the Spanish Linux users association Hispalinux
- International speaker (more than 50 talks in Europe and LatAm)
- Member of the GNOME Foundation, the FFII, and others
- Linux UID: 37048

About Strateqo Consortium

STRATEQO CONSORTIUM

Contractor of IDABC

In charge of OSOR population and community development

TRASYS

QinetiQ

ORESYS

FUJITSU

TXT e-solutions

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IDABC stands for:

Interoperable Delivery of pan-European eGovernment Services to Public Administrations, Businesses and Citizens

IDABC is a program of the European Commission

IDABC Objectives/Activities

- Funding European eGovernment projects in the Commission services (Projects of Common Interest, PCIs)
- Supporting the implementation of pan-European services by making available generic services and common tools (Horizontal Actions and Measures = HAMs)

Duration: 2005 - 2009

Managed by the IDABC unit in Directorate General for Informatics -DIGIT- (as of 1 January 2007, formerly in DG ENTR)

IDABC Management Committee PEGSCO: Member State representatives discuss and approve the IDABC work programme

IDABC is funding and/or implementing:

- Projects to create awareness and promote knowledge on OSS in public administrations
- Projects producing practical advice for public administrations
- Projects building applications using OSS and being distributed under the EUPL v 1.0
- Projects in support of collaboration between member states' administrations and their partners

http://ec.europa.eu/idabc/en/document/2627/5938

Introducing OSOR

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OSOR is an acronym standing for

"**Open Source Observatory and Repository**" for European public administrations:

- Continuation and extension of the current IDABC Open Source Observatory (OSO)
- The "Observatory" in the OSOR is aimed at promoting the spread of good practice in the use of OSS by **public administrations**.
- The "Repository" is being set up by IDABC as a new action:
  - to support the **collaborative development** of OSS applications and solutions specifically targeting public sector requirements and their deployment;
  - to encourage the **re-use of publicly-financed** Open Source Software (OSS) developments.

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What is OSOR

- Project financed by E.C. and managed by IDABC
- Supported by the Member State administrations

This mean its life is outside and longer than the IDABC program.

http://ec.europa.eu/idabc/en/document/6728/5894

What is OSOR

- The objectives are cooperation and sharing
- The instrument is a platform to actively support the sharing of
  - OSS-based eGovernment applications
  - and experiences across Europe
- The strategy is to connect EU services and Member State administrations and animate an OSOR community

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OSOR Main Services

Information platform

- Website delivering news around OSS
- Providing guidance on legal, technical, organisational issues around OSS and collaboration

Registry and Repository

- Facilities for download/uploading and search/retrieval of public sector software
- Providing visibility for and connect to other European collaboration platforms (-> building a network)

Platform for collaboration

- Supporting collaborative cross-border projects (hosting communities)

EUPL: European Union Public License

- Legal instrument for the EC and the EU public sector

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Who benefits from OSOR

Public administrations:

•**Reducing costs** for the implementation of IT projects by facilitating sharing and cross-border collaboration
•Promoting the **reuse** of existing code.
•Transparency and openness promises also improved **interoperability** and **better code**.

IT-developers and businesses:

•Publish **activities** and **requirements** of the public sector
•The collaborative character allows **direct exchange** between public administrations and developers.
•New **business opportunities** for SMEs may arise.

Citizens and Businesses:

The OSOR will accelerate the availability of platform independent **user-friendly eGovernment** services

Own IDABC's OSS projects:

- **eLink:** middleware for secure transactions between administrations and their communication partners
- **CircaBC**: tool for the online collaboration of working groups
- **IPM – Interactive Policy Making**: web-based tool for the construction, programming and evaluation of online questionnaires
- **eProcurement demonstrator**: to help software editors and contracting authorities in Europe to develop eProcurement systems in line with the EU legislative framework

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OSS projects at OSOR

Non IDABC projects:

- **Ingres Board (City of Schwäbisch Hall, DE)**
  - Web-based board meeting information system
- **OSBD (City of Freiburg, DE)**
  - Reference implementation of a standard virtual desktop
- **Ergonomics (European Commission)**
  - JavaScript widget toolkit
- **WollMux (City of Munich, DE)**
  - OpenOffice.org plugin
- **Sextante (University of Extremadura, ES)**
  - A set of extensions for gvSIG with spatial data analysis capabilities

About 30 projects registered... before formal launch!

See all at http://forge.osor.eu/

The OSOR network of repositories

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Towards a federated network of EU repositories:

And we are still open for new ones.

First OSOR communities

Communities focused on especific areas:

- **GIS**
  - Launched at the OSOR.eu GIS workshop
- **Statistics**
  - Leadered by Eurostat EC Agency
- **Municipalities**
  - To be launched at the next OSOR.eu workshop
- **eID/PKI/eSec. etc**
  - To be launched at the next OSOR.eu workshop
- **Others?**
  - We need you to lead the new ones!.

Introducing the EUPL

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EUPL is an acronym for “European Union Public Licence”

- The first **European OSS licence**.
- Created on the initiative of the **European Commission**.
- The first OSS with the **same official value** in many European languages.

Approved by the **European Commission** on 9 January 2007 in three linguistic versions.
By a second Decision of 9 January 2008, the European Commission validated the EUPL in **all the official languages** of the European Union.

Why the EUPL?

Yet another OS license? Not really; EUPL satisfy:

- the specificity of Community and Member State's law regarding **copyright principles**
- the specificity of Community and Member State's law regarding **warranty** and **liability** issues
- the specificity of Community and Member State's law regarding **applicable law** and **jurisdiction**
- the requirement to obtain a **text legally valid** in all the official languages of the European Union.

Why the EUPL?

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Yet another OS license? Not really: EUPL is compatible!

* General Public licence (GPL) v. 2
* Open Software licence (OSL) v. 2.1, v. 3.0
* Common Public licence v. 1.0
* Eclipse Public licence v. 1.0
* Cecill v. 2.0

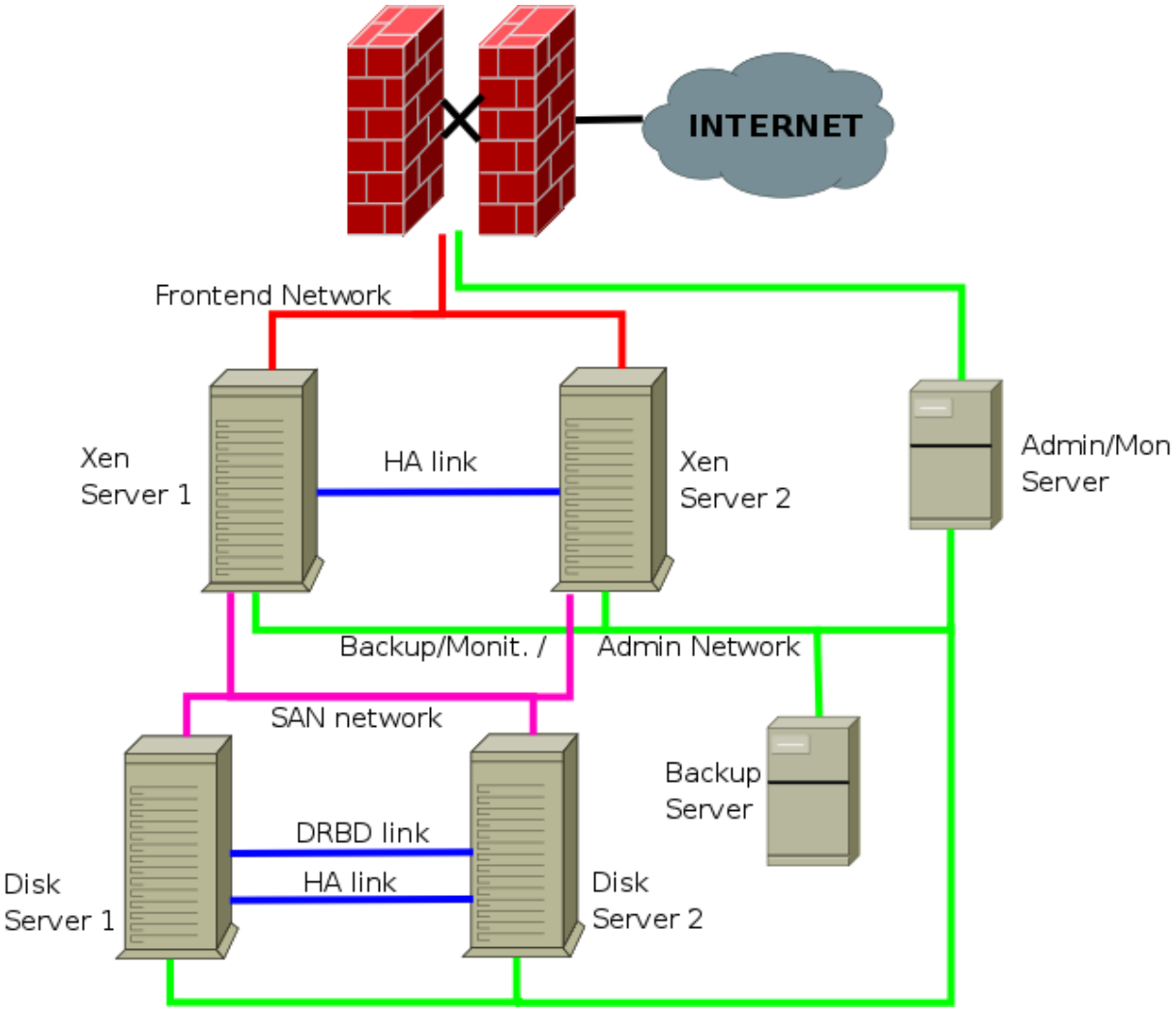
IDABC's aim is to offer a license **secure** for public sector users and publishers and **friendly** for developers.
IDABC's is actively in touch with the FLOSS community.
EUPL project is **alive** and subject to enhancements.

OSOR Software Infrastructure

- Operating System Debian GNU/Linux
- Information Platform runs with Plone
- Collaborative Development Environment (CDE) runs with GForge

IDABC requirement: COTS OSS

OSOR Hardware Infrastructure



Hardware Characteristics

Standard technologies:

- Intel x86-64 compatible, 2 or more cores, 2 Ghz or better.
- Memory: 2 to 8 Gb, depending on node.
- Storage: Minimum RAID-1, with compatible controllers.
- Always redundant power supply.
- Gigabit Ethernet network.

Nodes for processing (virtual machine hosters):

- Better CPU (4 cores) and memory (8 Gb).

Nodes for storage (disk servers or backup server):

- Storage space: 4 Tb capacity, 2 Tb available with RAID-1.
- Upgradeable to 8 Tb total / 4 Tb available.

Gigabit network.

- GE interfaces, Managed GE switches.

Hosting Specification for Worldclass Service

Physical requirements

- Data-centre, with physical security requirements, against intrusion, natural disasters and so on.
- Full rack hosting (42U).
- Electrical Availability: two separate electrical circuits.

Security

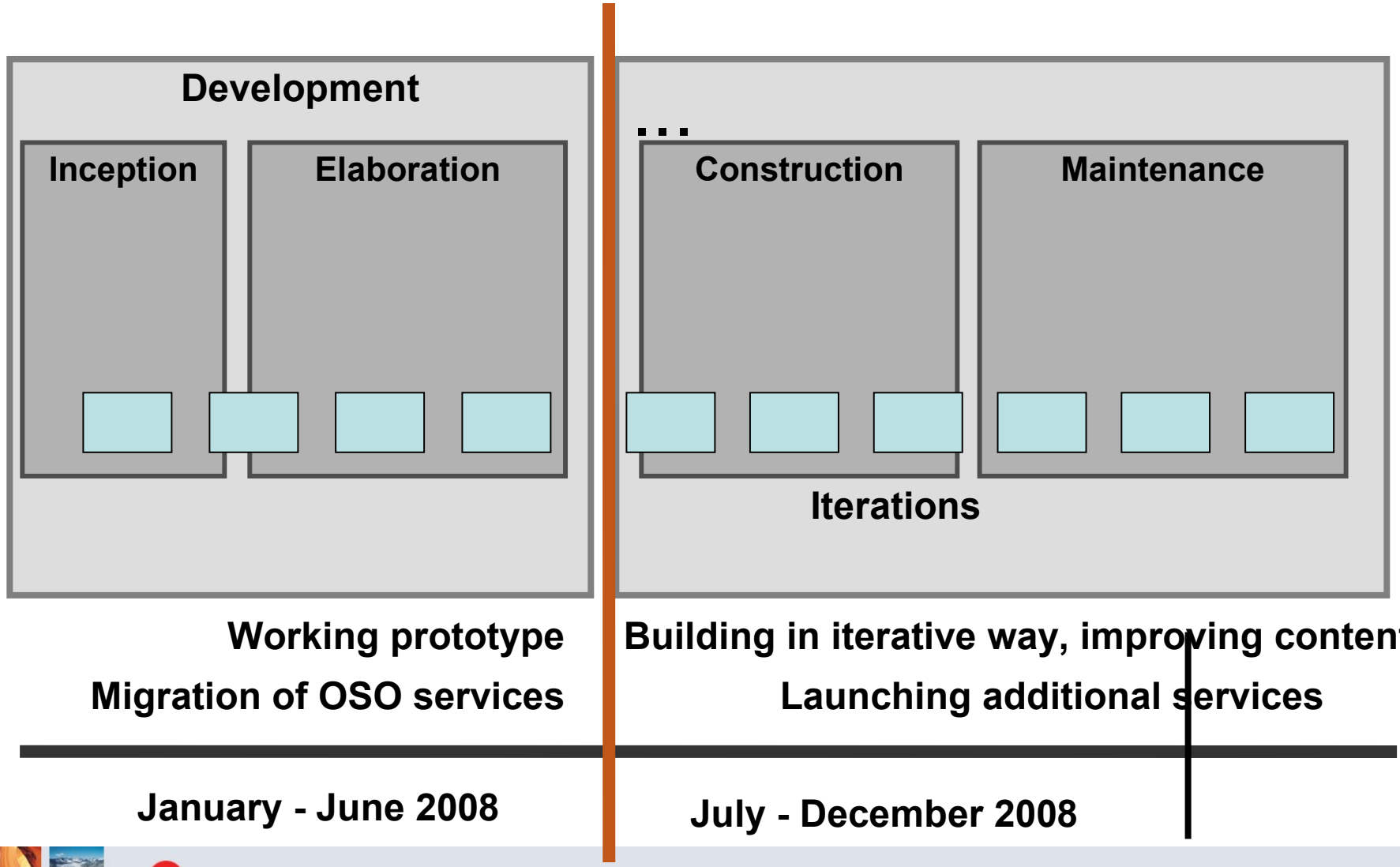
- Choosing between own solution or provided by hosts.
- Two redundant, high availability, managed firewalls.

Performance / Traffic

- At least two major European carriers.
- Sustained rate 10 Mbps, with peak rates.

Availability required: 99 % at a minimum.

OSOR Project Roadmap



OSOR and business

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OSOR is not business, but it's business aware:

- **authorship traceability**
  - open and transparent development is being tracked by our forge's tools, so is auditable who is who and who really does development
- **dissemination**
  - OSOR.eu is going to attract a lot of eyeballs after its formal lauch, the same for the OSOR.eu hosted project
- **trust**
  - projects under OSOR.eu umbrella will be seen as more trustables than the others outside
- **business opportunity generator**
  - developement in open community, outside the «software editor» practice, could lead to new business opportunity in new countries, with new partners and with feautures

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OSOR Project Roadmap

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Some dates:

- May 19: EU repositories and forges workshop, Madrid (Spain)
- June 18: OSOR.eu beta will be online
- June 27: EU OSS GIS workshop, Brussels
- October 2008: formal launch at the **IDABC OSS 2008 day** at **Open Source World Conference**, Málaga (Spain)
- Nov 13: EU OSS eID/PKI workshop, Brussels
- Nov 14: EU OSS for Municipalities, Brussels
- Dec 1: Future of OSOR.eu, Open World Forum, Paris
- Somewhere in 2009: OSS on Statistics

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ePractice community:

«Open Source Software for eGovernment»

http://epractice.eu/community/opensource

The ePractice presence of OSOR.eu, both IDABC initiatives.
Aims to share practices and user comments.
Please join us at ePractice!

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- Do you own an OSS project in a public administration?
- Do you own an OSS project used at a public administration?
- Your software is closed but want to open it?

We want to hear from **you**!!

Join us to build **Europe**!
Be part of the **Information Society**!

Contact

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