



# Peopleware and the Osmius Project

## Features and challenges



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FOSS-Bridge EU-Vietnam November 2007



# Peopleware: Introduction

**Founded on** : March, 2000  
**Sector** : IT Services & Software  
**R&D Investments** : ~ 30% of our incomes



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# Peopleware: Main Activities

- Consultancy** : Systems and Servers (UNIX, Linux)  
Databases (Oracle, MySql)  
Monitoring and Incidence Management
- Administration** : On-Site technical personnel.  
Systems and Application Operation.  
Remote Administration.
- Development** : Osmius Open Source Monitoring
- Research** : Open Lines with Universities.

# Peopleware: Characteristics

- Highly Qualified Personnel.
- Training and Education is promoted.
- The company assumes costs of Thesis and PhDs.
- Percentage of Projects profit is shared with the Team.
- We support Research lines with universities.
- Open Source Business Plan based on Osmius.

AENOR ISO-9000 Certified.

- Software Development.
- Company Procedures. Customer and Suppliers.

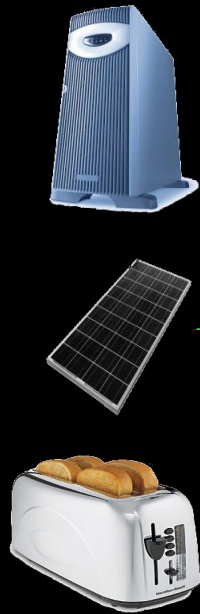


# Osmius: What is Osmius

The Open Source Monitoring Tool.

Osmius allows us to **monitor** and supervise **anything** connected to a **network**.

Instances  
or  
Things



Servers  
Databases  
Webs  
Routers  
Sensors  
Applications  
Domotics  
Transactions

Events  
or  
Variables

CPU Load  
Free Memory  
Response Time  
Temperature  
Number of users  
...



# Osmius: Is there a market?

## IT Operation

Every One with a medium sized IT Department need at one point to know what is happening with the Systems and Communications before the user calls you.

Every One who wants to leave better needs to foresee the problems before the occur (proactive monitoring and state prediction).

Every IT Manager need to know about the quality of the systems. Availability and response times last week of this server or that web application.

HP -> OVO

IBM -> Tivoli

BMC -> Patrol

FOSS -> Nagios

## Other Areas

Industrial components (temperature and pressure, etc)

Domotic Market (fire alarms, electricity, gas and water consumptions).



# Osmius

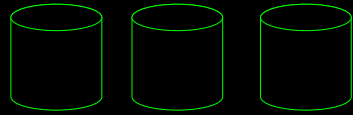
## Is it different? There are others, but...

- **Free Software:** Installations, consultancy and support Business Model.
- **Multiplatform:** You're not tied to an Operative System.
- **C++ core: Fast.** Forget performance and scalability problems.
- **Easy to Expand:** Need to monitor a new thing? Development Framework
- **Methology:** Development Methodology. Quality Control. Well Documented.



# Osmius Architecture

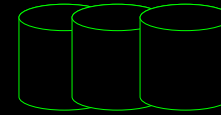
**Your Business,**  
Your Instances



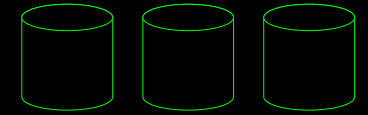
**Routers**



**Servers**

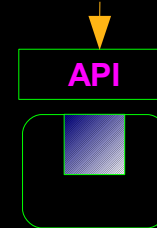
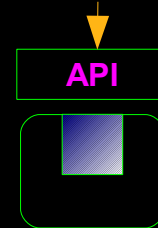
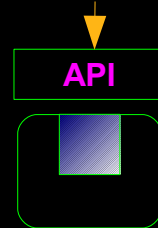
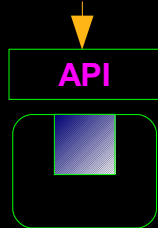


**Web  
Servers**



**Databases**

**Osmius Agents:**  
Monitor Events



**C++  
ACE**

**Master Agents:**  
Configuration Management  
Deploy of new agents



**C++  
ACE**

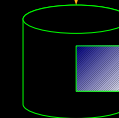
**Central Server**  
Receive all events  
Correlation Engines

Easy to Expand  
adding new agents or  
new Console Plug-ins.



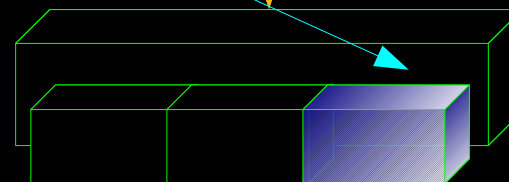
**C++  
ACE  
AI**

**Osmius Database**



**SQL**

**Osmius Web Console**  
Operation Business View



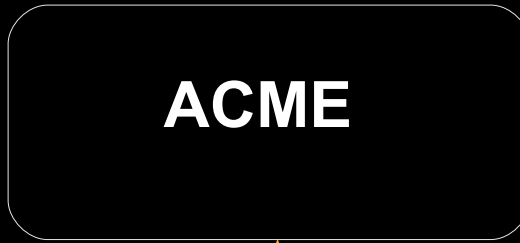
**Java  
Spring FW  
Web  
Services**



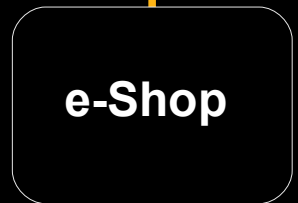
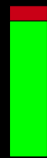


# Business Point of View

**Your Business,**  
Management View  
USER: CIO



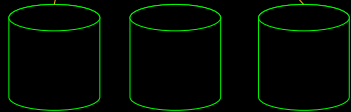
**Business Processes**  
USER: Manager



**Services**  
Service Level Agreements  
USER: App Manager



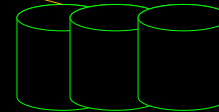
**Instances**  
Operation View.  
USER:  
Administrator  
Operator



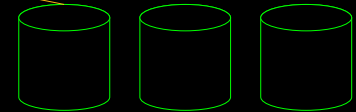
Routers



Servers



WebApp



DataBases





# Osmius Today: Features

## Monitors

**Operative Systems:** Linux, HP-UX and Solaris

**Databases:** Oracle and MySQL.

**IP Services:** Ping, Ftp, Telnet, Ssh, Sntp, http.

**Log Files:** Apache, Oracle, unix, customer application...

## Kernel

**Event Correlation:** Reduced number of events. Easy to see.

**Open Architecture:** Database Connectors, ACE.

**Agent development Framework:** Easy to build new Monitors.

## Services

**Community:** Code and downloads available from SourceForge.net

**Support:** 24 x 7 commercial support for Registered customers.

**Development:** Have something new to monitor?  
Need high quality software?

**Education:** Courses. ACE, Osmius DK, Java, C++





# Osmius Future: What do we want?

## Main goal:

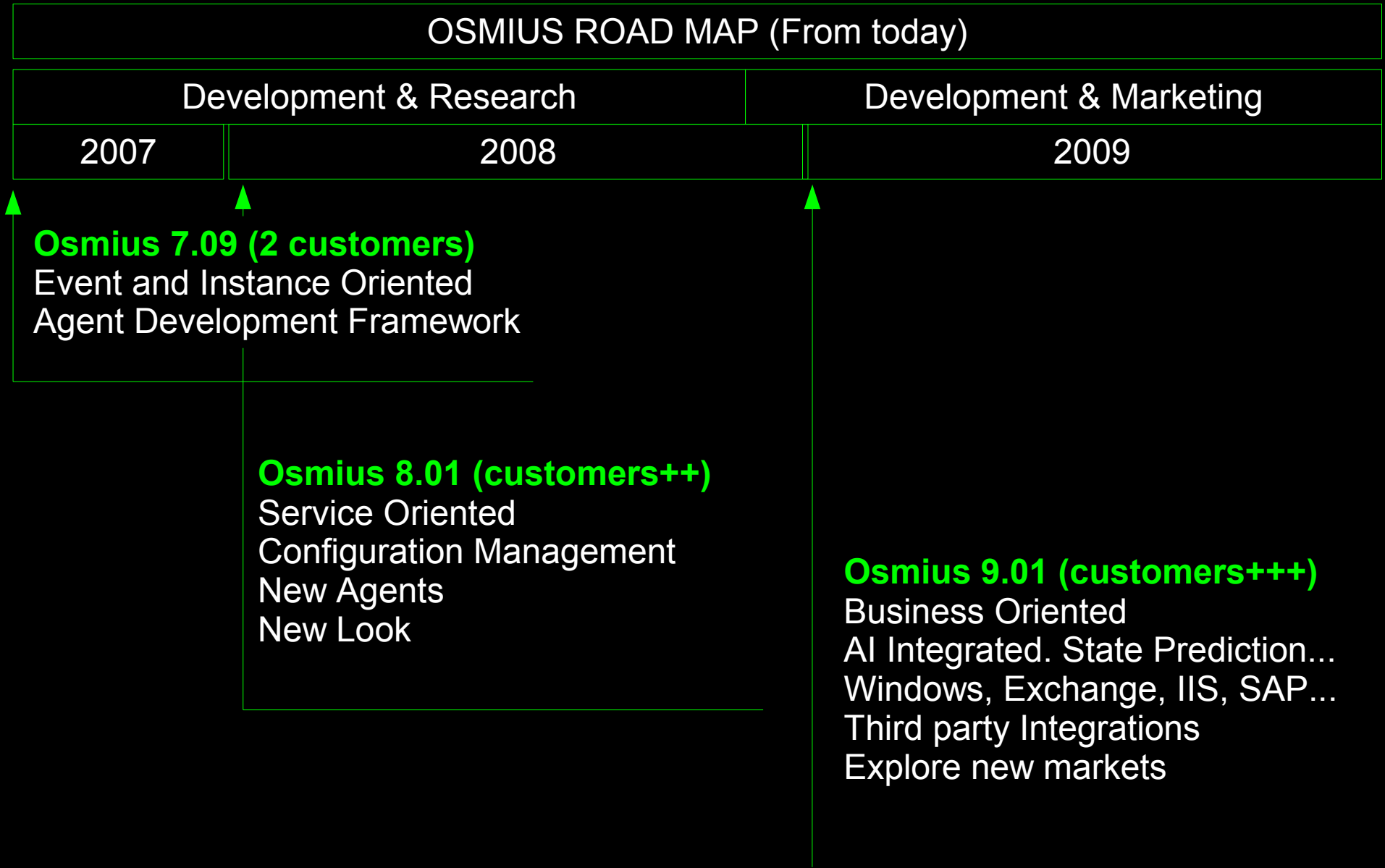
To compete with both the BIG Monitoring companies and FLOSS alternatives.

## When?

January 2009      -> Osmius 9.01



# Osmius: Road Map





# Osmius: Methodology & Tools

## Methodology

- : Scrum Agile Development.
- One big revision per month.
- Every day 30-minutes meeting.
- Every is probed and documented.
- Remote work at home 3 days a week.

## Tools

- : Sourceforge Subversion Repository.
- Eventum (MySQL) - support and bugs.
- Eclipse with subversion plug-in.
- Skype for conference meetings.
- Google Docs – Task assignments



# Osmius and FOSS Bridge

## Ideas for Collaboration

### Development:

C++ and ACE Experts to grow the kernel.

Developers using our framework to create new agents

Experts on Instances (SAP, Exchange,...) to say what is important to monitor so we can develop it.

Beta Testers. Help us improve our code reporting bugs or suggestions.

### Support:

Local support and installation tasks. Osmius expand, you get money.

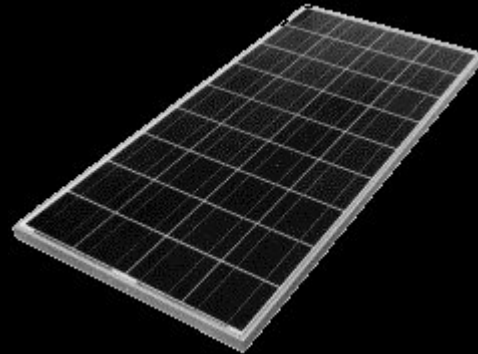
Help the community to solve bugs or new functionalities.



# Osmius

## The Open Source Monitoring Tool

We can monitor **anything, fast and easy.**



Osmius is supported by both the Spanish Industry and Trade Ministry and the Ministry of Education.

# Questions?



[www.Osmius.net](http://www.Osmius.net)

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