ITEA / OSAMI - Project

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Teknologiasta liiketoimintaa

Open Source Software (OSS) in business

- OSAMI = Open Source AMbient Intelligence
- OSAMI is an ITEA2/Eureka project (ITEA 2 ip07019)
- European funded project that will develop a large set of components targeting applications outside the PC and server world
- OSAMI is a large project with over 50 European partners.

OSS - Business aspects I

- The use of open source licenses in products
  - How does this affect the company and sales ?
  - Can you make profit with related services ?
  - Can you save costs by using open source components ?
    - Or do the generate more costs in the long run ?
    - How do various open source licenses work ?
- Should companies support open source activity ?

OSS - Business aspects II

- The effects of use of open source components on business processes
- How does the use of open source software in business itself affect the company
  - Programming tools
  - Office programs
  - Websites
  - Etc…

OSGi - The Dynamic Module System for Java

- OSGi is an emerging de facto standard to tackle the challenges of increasing complexity and interoperability of software intensive systems via modularisation
- OSGi technology is *Universal Middleware*
  - providing a service-oriented, component-based environment for developers,
  - providing the standardized primitives that allow applications to be constructed from small, reusable and collaborative components that can be composed into an application and deployed,
  - offering standardized ways to manage the software lifecycle.
- Diverse and new markets continue to implement and deploy OSGi based products and solutions around the world:
  - Enterprise, Open Source, Mobile, Automotive Electronics and SmartHome

OSGi And SOA

- The OSGi technology is a set of specifications that define a dynamic component system for Java
- OSGi bundles currently work inside one computing environment
- Distributed OSGi middleware has been researched in desktop environment

•How do these distribution techniques translate to embedded devices?

•How should we handle resource constraint environments like battery powered devices or low performance devices?

OSGi And SOA

- Currently OSGi is driven towards distribution
- We have possibility to affect the way distribution is handled in OSGi by putting forward ideas that we will find in OSAMI
- As a result we would have an open source infrastructure that supports distributing software services in heterogeneous networked environment

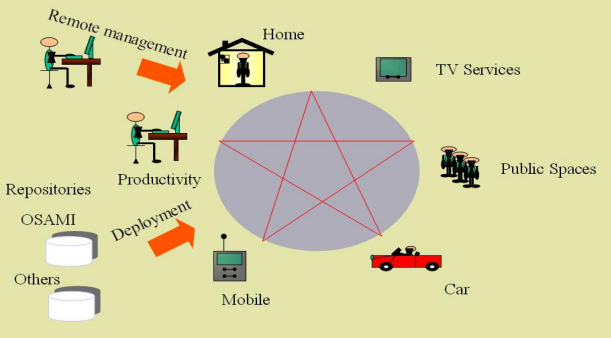
•How it is defined and implemented is up to us!

OSAMI TARGETS

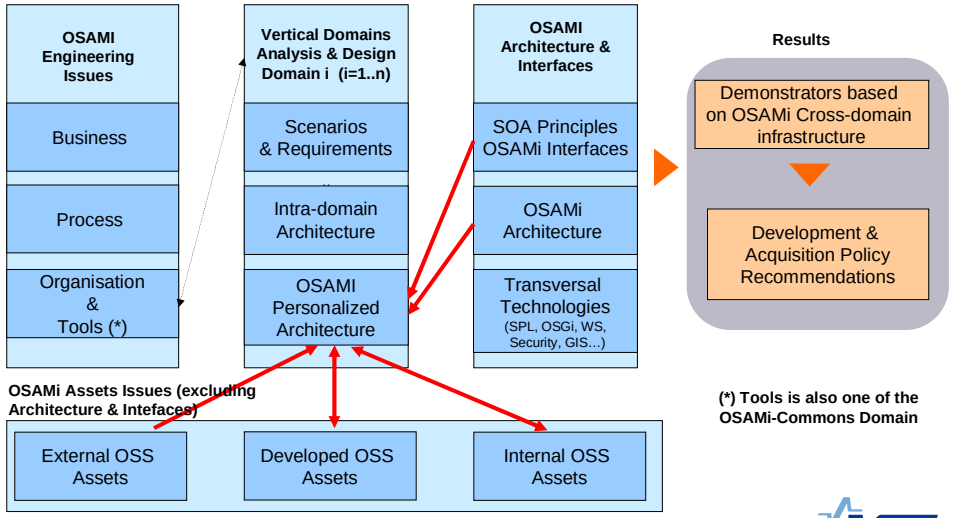
- OSAMI-Commons targets open source common foundations for a **dynamic service-oriented platform**
  - Service retrieval from external centralised/distributed repositories
  - Devices to connect and exchange information and services
  - The connection between various vertical markets in order to allow new business solutions
- Application domains/groups:
  - Mobile / Home
  - Mobile Java Service Platform
  - Automotive / Vechile Expert Group
  - end2end committee

EXPECTED RESULTS

- Robust frame work for wide variety of interconnecting applications such as:
  - Mobile phone for home control
  - Car systems' access to home & mobile content
  - Car systems to provide car service information to garage
  - Home domain, Mobile phones, Automotive, Public services, Personal health, Industrial Automation, Mechatronics, etc.



OSAMI-Commons Concept Chart



Let's get going!

- OSAMI - project is planned to start in 2009
- We are looking for companies to participate
- Companies can apply for funding from TEKES to the project they bring to OSAMI
  - The project should combine open source software with business aspects
  - Typical funding from TEKES
    - Small companies 60-70% of the project costs
    - Large companies 35-50% of the project costs

Thank you

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