# Networked Project Management with DBE

Digital Business Ecosystem

OpenPsa

Open Standards
Open Source
Solutions

Presentation for DBE Workshop, Tampere
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# Nemein Oy

- Open Source solution provider
  - Two business areas:
    - Content Management Systems
    - Project Management software
  - Active participant in communities like Midgard Project, OSCOM and Microformats
  - 7 employees, lots of subcontractors
  - Espoo, Finland, Łodz, Poland and Tbilisi, Georgia
  - Clients mainly in Finland and EU area
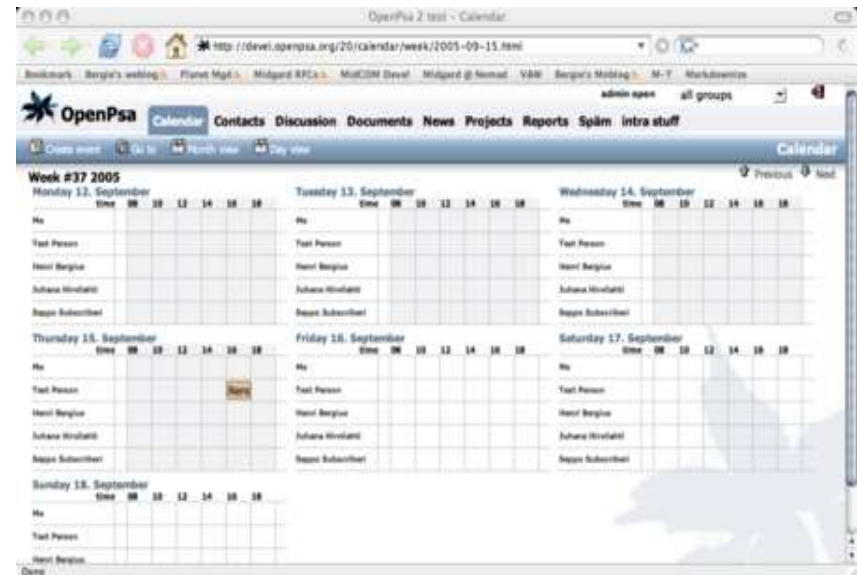- Partnered with Yukatan for Java integration

# Usage scenario

- Typical project management software is monolithic

- Outsourcing and microcorporations are increasing trend in IT business

- How to allow collaboration across corporate boundaries?

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- Solution:
  - Connect project management apps of partner companies through the DBE network

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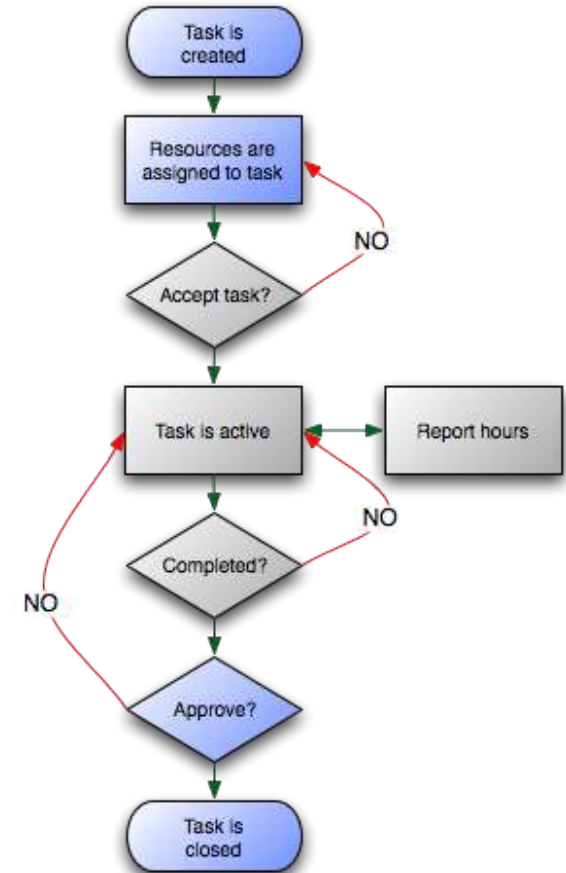PUH. 020 198 6030
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# OpenPsa



- Management software for software companies, consultancies and IT departments
  - Project management
  - Contact management and sales
  - Help desk
  - Calendaring
  - Document management
- Developed by Nemein, GPL license
- Users include Anttila, If Industrial, Italian government, Lumene Group, ... soon also Yukatan

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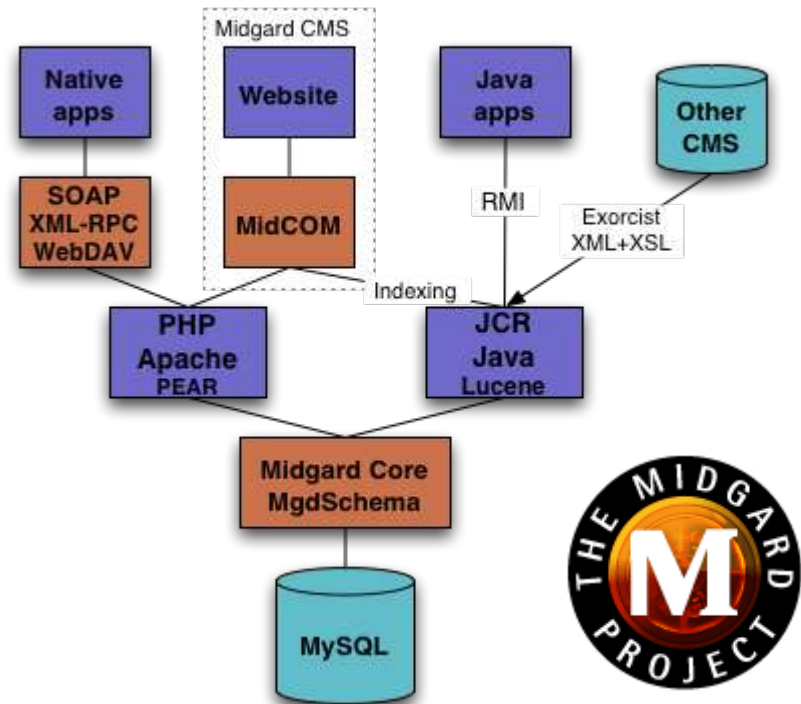
# Project workflow

- Project manager assigns tasks to resources
  - Resources can be local or remote (DBE) users
- Resources can accept or decline task
- Hours can be reported to task after acceptance
- When task is finished resources can mark it as completed
  - Task's deliverable (document, SVN commit, ...) must be completed first
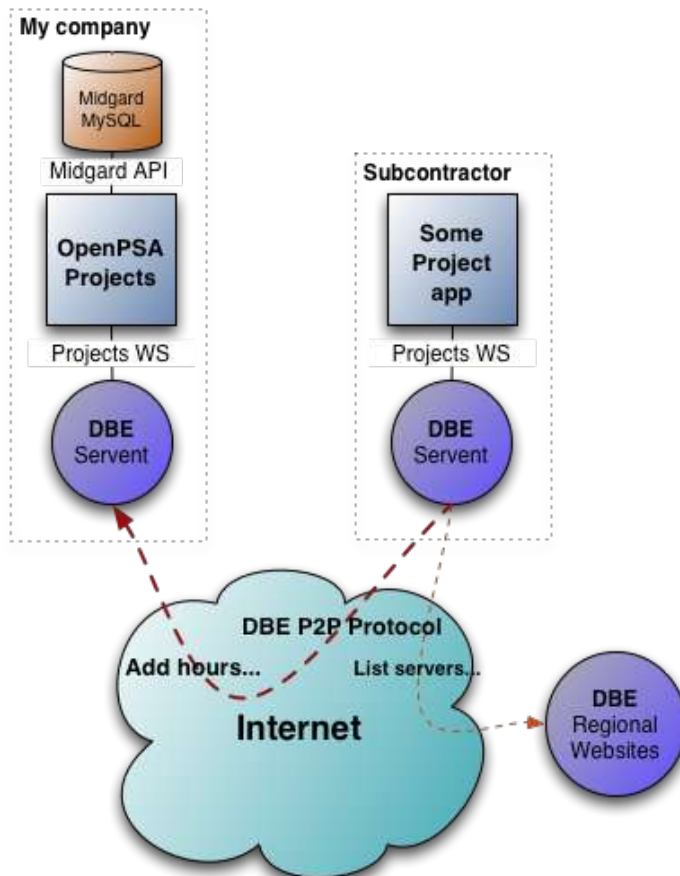- Project manager must approve the task before it is closed

# OpenPsa Architecture



Digital Business Ecosystem

OpenPsa

- OpenPsa builds on top of the popular Midgard CMS and MidCOM platform
- UI is built with PHP, Ajax and Microformats
- Midgard provides capabilities like:
  - UTF-8 internationalization
  - Replication
  - PAM and NTLM authentication
  - Java and PHP APIs
  - Indexing



Midgard Framework 1.7 circa Q2/2005

# Connection with DBE



- Users use the PHP based UI
  - Remote DBE users are recognized with a service ID set in person preferences
  - Status is displayed in all person listings: remote user    not synced
- OpenPsa service inside the Servent watches for changes
- Data is serialized to XML format using Exorcist
- XML gets transferred over DBE Fada network
- Service updates sync status to DB

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# Project status



- DBE Driver project started in
- June 2005
  - Developed together with OpenPsa version 2.0
- First running version in August
  - Integrated with UI in October
- Two pilot customers are now live
- Currently works with OpenPsa CVS version
  - OpenPsa 2.0 beta to be released this week will include DBE connectivity as option

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# OpenPsa and DBE demo

- <demo>

# Future possibilities

- Project broker for finding possible subcontractors from DBE network
    - "Who could do a 15 hour SyncML project next week?"
    - Connected to resource scheduling
    - Define competences as folksonomies
    - Skip agreements and pricing in first phase
- DBE connectivity to other OpenPsa modules
    - Coordinated sales projects
    - Calendar event invitations
    - ...

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