

9<sup>th</sup>  
LIBRE

## Software Meeting

Mont-de-Marsan from 1 to 5 July 2008

The LSM (Libre Software Meeting) are an opportunity for all sort of public to come together around the free software. Over 5 days, conferences and workshops welcome everyone. This event is organized each year and for the 9th edition is hosted in the town of Mont de Marsan, from 1 to 5 July 2008.

“ Adishatz, benveguts a las jornadas du logiciu libre,,



**BisonVert.net**

Co-voiturage pour les RMLL



Speaker : Cajus Pollmeier  
Nature : Meeting  
Level : Newbie  
Date : Thursday 3 July  
Schedule : 16h45  
Duration : 45 minutes  
Place : IUT

# Introducing GOsa 2.6

# Speaker's Profile



## Who?

Cajus Pollmeier

Born ~1975 in Germany

Studies:

applied sciences,  
control technologies and sensors

## What?

Co-founder of GONICUS in 2001

Debian maintainer since 2002

Head of OSS @ GONICUS

# What are we going to talk about?

- Inspecting the sample company ACME
- How to do a centralized overall management?
- Databases versus directories
- Introducing GOsa to manage ACME
- GOsa architecture and extensibility
- Discussing the key features
- Live demonstration
- Glimpse at future development

## Let's take a look at the growing ACME company

- The ultimate ACME homepage
- Groupware for internal and external communication
- DNS to be reachable at all
- DHCP to assign internal IP addresses
- M\$ Windows and Debian GNU/Linux workstations
- File and print service via samba
- VoIP and FAX
- Addressbook
- Centralized authentication

# ACME



Terminal



Terminal



Workstation



Workstation

## Questions arising

- How to manage the diversity of services?
- How to manage the complexity of services?
- How to prevent multiple instances of the same data?
- How to implement self service and delegation?

## One possible answer could be

Move information to some kind of centralized location!

# Database or Directory?

## Typical RDBMS

- capable of transactions
- referential integrity
- accounting
- type safety
- stored procedures
- allows replication

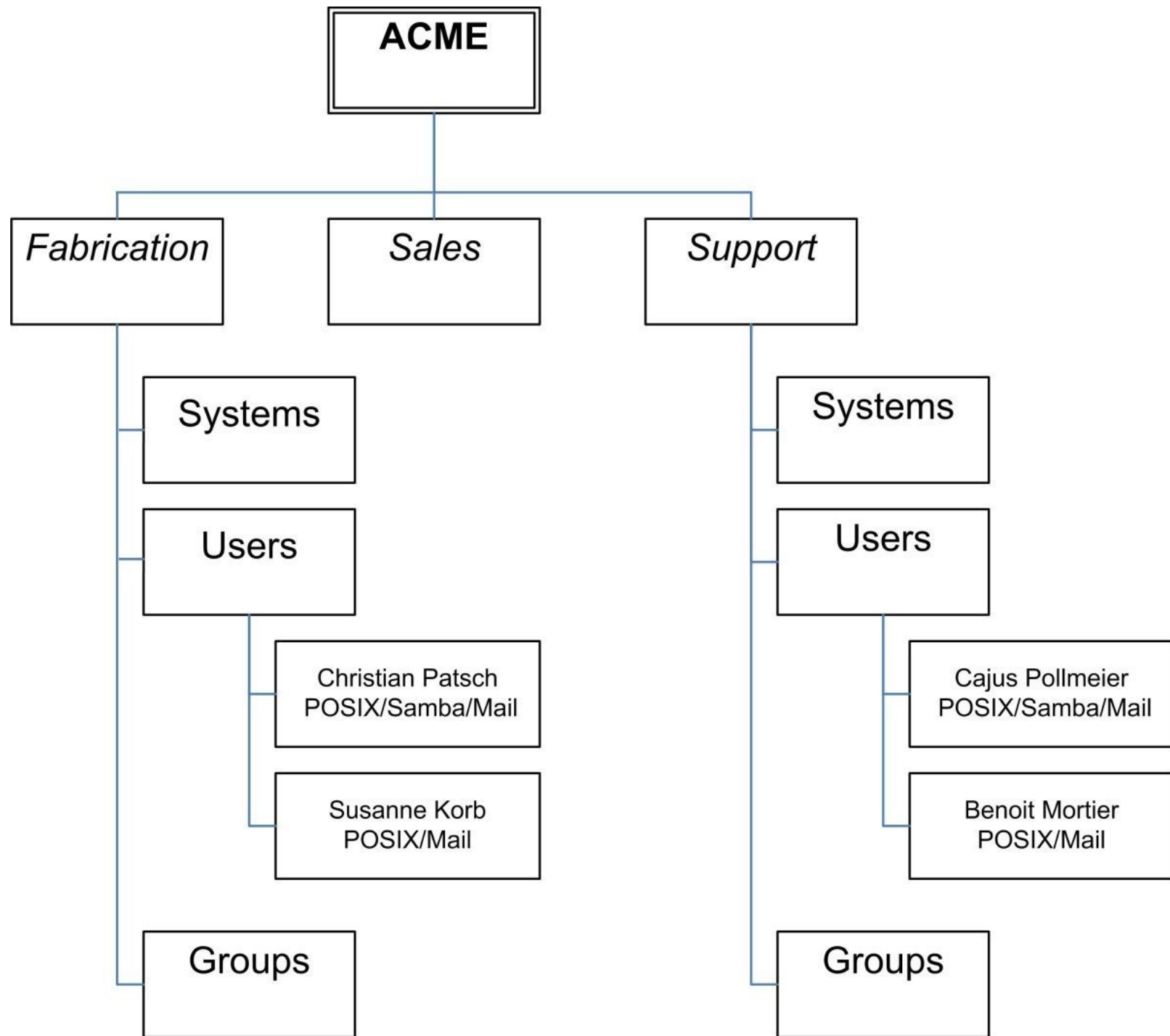
## Directories

- structured data
- object oriented
- extensible
- optimized for read access
- simple delegation
- allows replication
- allows partitioning



## We've chosen LDAP as the main backend!

- LDAP is a protocol to access X.500 style directories
- Lightweight Directory Access Protocol
- LDAP is available as free software when using i.e.
  - OpenLDAP
  - ApacheDS
  - FedoraDS
- Many services already have LDAP backends




## What is GOsa?

- Tool for managing your directory
- Abstract view of information
- Web based PHP5 application with valid W3C and CSS
- OSS, development started in 2001
- Licensed under the GPL
- No web 2.0 ;-)
- No pro-version available but enterprise capable
- Internationalized in 10 languages




## What it is not?

- YALE: Yet Another LDAP Editor
  - PHPLdapadmin
  - Web2LDAP
  - Idapvi
  - ApacheDirectoryStudio
- Competitive to webmin
- And finally:

# What it is not?



Bienvenue chez IKEA France

 Mon panier
  Nos services
  Vente à Distance

→ Mon compte  
→ Nos magasins  
→ **IKEA FAMILY**  
→ Nos services

OK

Tous les produits

**nouveau**

Séjour

Chambre

Cuisine

Enfant

Textiles

> Tous nos univers

## Résultat de la recherche

Mots clés:











Conseil: vous pouvez taper plusieurs mots clés.

Choisissez une catégorie: Toutes ▼ Chercher!

**28 résultat(s) pour "gosa" dans Produits**

Classer par: Pertinence ▼ < Précédente 1 / 2 Tout sur la même page Suivante >

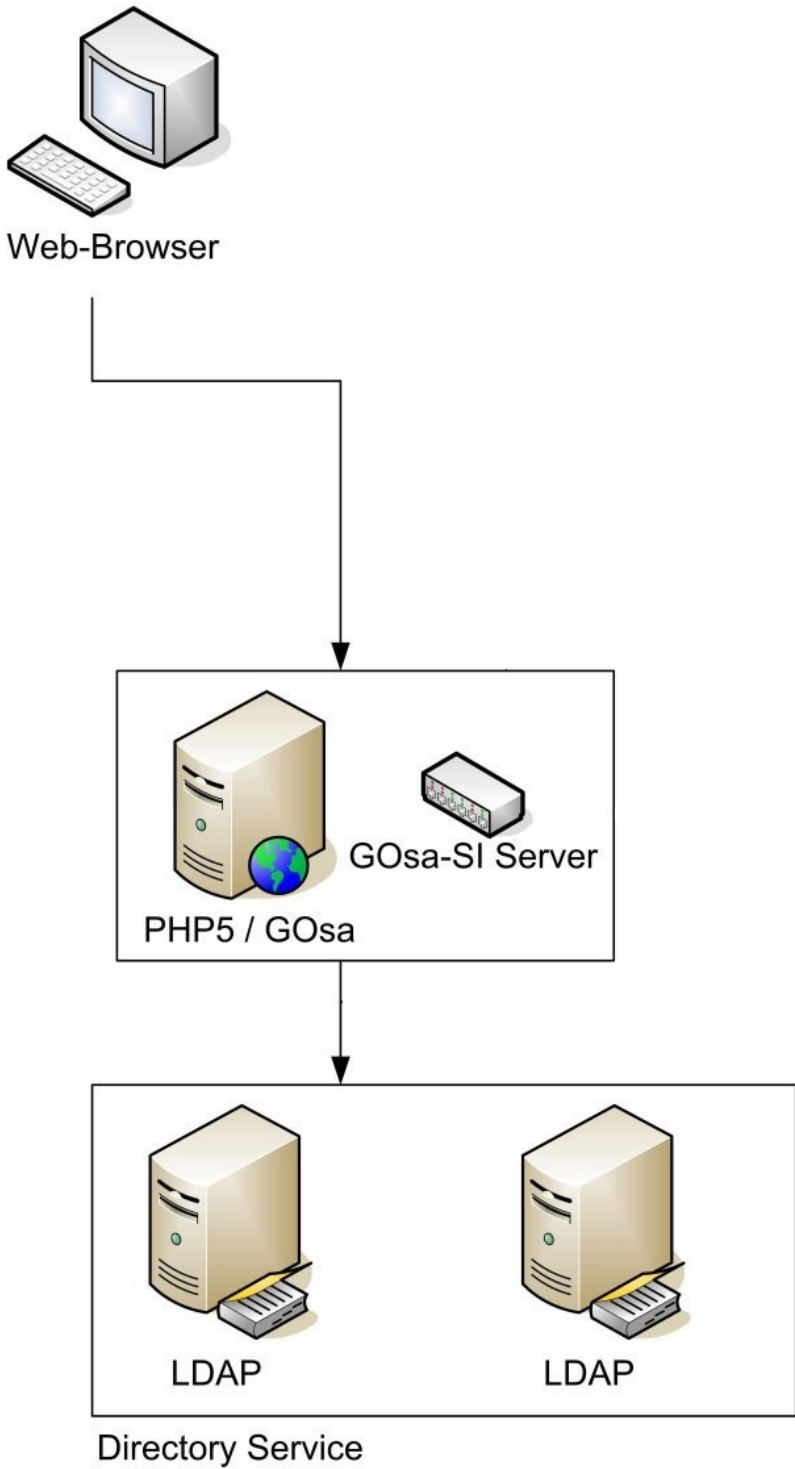
[→ Tous les produits "vente en ligne"](#)

 <p><b>GOSA ASTER</b> Oreiller <b>€ 7,50</b></p> <p> → Disponibilité</p>	 <p><b>GOSA HÄGG</b> Oreiller ergonomique <b>€ 8,99</b></p> <p> → Disponibilité</p>	 <p><b>GOSA HASSEL</b> Oreiller ergonomique <b>€ 15,00</b></p> <p> → Disponibilité</p>	 <p><b>GOSA KÄRNA</b> Noyau ergonomique, 7cm <b>€ 10,00</b> Plus d'options</p> <p> → Disponibilité</p>	 <p><b>GOSA KLÄTT</b> Oreiller ergonomique <b>€ 4,99</b></p> <p> → Disponibilité</p>
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**Plus de résultats:**

▶ Service Clientèle (1)

# Architecture - or "how things work"



## GOsa 2.6: Key Features

- Subtree management
- Handle organizational and inetOrg persons
- POSIX users and groups
- Trust accounts and sudo
- Samba 3
- Grouped objects
- GOto and FAI
- Access control lists and logging



# DEMO

## GOsa 2.6: more key features

- MIT Kerberos 5 (policies, accounts, keys)
- DNS
- ISC DHCP
- Asterisk VoIP
- GOfax + hylafax
- Kolab 2
- OpenXchange / PHPGroupware / OpenGroupware
- Postfix / Cyrus / Sieve management

# Upcoming Features

- CA management
- OPSI integration
- Share management
- Re-integration of GLPI?
- Nagios integration

# Summary

- Centralized, web based management
- Access control down to single attributes
- ~30 plugins for various software
- Open Source Software available at

*<http://www.gosa-project.org>*

# Questions?

**Thanks for your attention!**