

# Privacy enhanced directory services

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# Why a privacy enhanced directory

## The problem

(if there isn't one there is no need for a solution)

# Directory privacy problems

- spam
- confrontation of interests  
*privacy vs the need to be found*
- The Law  
*Web accessible directories may be considered international transfer of personal data*

# First approach to solve the problem

- The lawyers propose to ditch the directory
- The users offer no solutions
  - They like to find others data
  - Some of them don't want to be found
- The technicians propose to ditch the lawyers.

## A second approach

- Put control on the hands of the users
- Keep policy controls on the hands of the organization
- The technicians abide to the Law
- The lawyers seem happy
- Looks like we have *The Solution*

Why a privacy enhanced directory

Because our mission is to provide  
useful services for our users

# Implementing the solution

There are two parts to the solution

- Giving control to the user in an easy way
- Making the solution work via all its interfaces

## The easy part: end user control

- A nice web interface for the user to decide the data about herself that is to be publically accesible
- A directory attribute to hold such preferences

# irisUserPrivateAttribute



## Hard part: implementing the policy

- The policy must be enforced whatever the interface to the directory
- Application level control is discarded
- OpenLDAP ACLs come to the rescue
- Policy can be enforced at server level

Best of all

despite how simple it seems

**It works!**

and I'll show you how