





Recommendations for Group Management

Results from an investigation on
authorization and group management systems
at Swedish institutions.

Agenda

Authorization

The project owner – Sunet Inkubator

Project goals

Findings I – Basic functions in GM systems

Findings II – Group Management software

Findings III – Scenarios (sizes) for GM projects

Findings IV – Recommendations

2014 The project continues



Authorization

Happens after authentication

Ways to handle authorization

- Groups
- Roles
- Attributes



Authorization at a university

- ✓ Same group of people need several systems
- ✓ Should be easy for a student/staff to start at the university

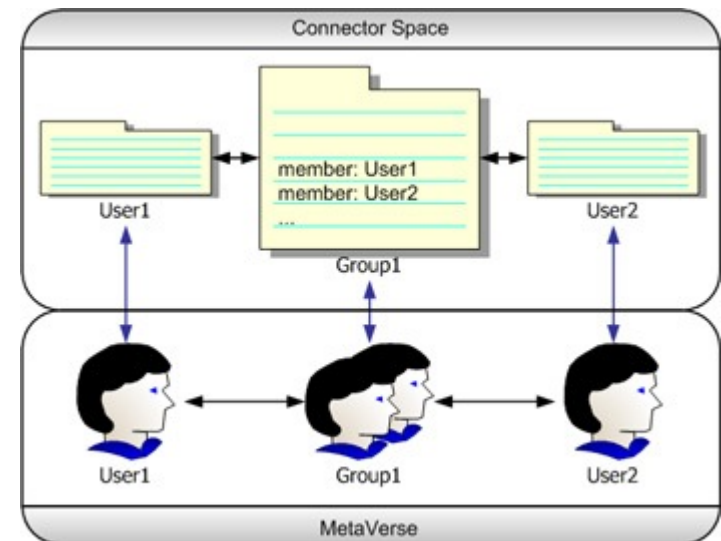


Just to be clear...

Group management \neq HR or leadership

Group Management systems

"An specialized application that keep digital identities sorted into groups in order to make use of them in other systems..."



**MANY SWEDISH UNIVERSITIES WANT
TO IMPROVE THIS PROCESS**

CAN WORK TOGETHER

Sunet Inkubator – the client



Jointly financed

New ideas around
e-infrastructure

Investigations,
workshops, POCs

National projects



The Group Management project

Investigate how far GM
has come

Local implementations &
projects

Sum up knowledge &
ideas

Focus on groups

Analysis of software

Recommendations



Findings I – Basic GM system functions

Create Groups

Automatically

Manually

By invitation

Open groups

Handle Groups

Misc admin

Create subgroups

Group of groups

By attributes

Export Groups

Feed applications

Populate AD/LDAP



Findings II – Tools

FIM

Grouper

(Custom built systems)



Tools – Microsoft FIM



Microsoft®
Forefront™

Identity life cycle
management

Coupled to MS
infrastructure

Missing some “university”
features



Tools - Grouper



For universities by
universities

Java/Open source

Rich on modules for
integration

Really nicely
documented



Findings III – Scenarios

3 levels
of investments
in GM

Scenario Small
Medium & Large



Findings III –Small



Basic group features

Mailgroups, a few integrations and apps

No potential of group reuse

Stay with GM functions in existing infrastructure!

Findings III – Medium



More than a few
group features

Future plans –
expansion

Group reuse –
Group operations

Need structure
when containing
groups

Stay with existing
ILM system

Groupier or FIM?

Findings III – Large

Same needs &
ambition as in
Medium

Would like to
rebuild or
enlarge ILM

FIM!



Findings IV – Recommendations

Use Grouper or FIM

Involve the business

You'll need a correct organization map

Distribute management of groups

Ensure overview of the groups

The need to include external users will arise

Don't neglect the costs for integrations and maintenance





2014 = The cookbook

Tips and tools for starting a GM project

Architecture & design

The business role

Project planning and method

Costs

