Access control with Crowds

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Crowds

Set of principals

Zope security policy is easy to replace

permission, object

1 method - contains(principal)

Crowds are adapters

crowd = queryAdapter(student,
    ICrowd, name='schooltool.view')

AggregateCrowd

crowd.contains(principal)

Crowds are code, Local Grants are state

The past with local grants

3000 content objects

1000 users

100 groups

8 permissions

~26 400 000 checkboxes

And lots of subscribers.

14 global access control settings

1000 users can make their calendars public

1014 checkboxes

2 600 000% improvement

http://www.schooltool.org