

OM2

and IESB

Roland Hedberg

<roland.hedberg@adm.ur

OM2-The proje

<http://www.openmetadir.org/>

Members

✦ SWAMI

✦ LiU, SU, UmU, UU

Implementations

✦ Python

What's ESB?

according to Wikipedia

ESB is an event-driven and standards-based messaging engine (the

ESB should be standards-based and flexible, supporting many tra

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Other nice features

Message syntax: RDF/XML

Ontology driven application development

Operations ontology: MIRO

Support for Dynamic Delegation Discovery
(DDDS, RFC 3401-3)

Eduroam

“eduroam is a RADIUS proxy server-based infrastructure that uses 802.1X standard to allow eduroam-enabled user to get network access at any institution connected to eduroam.”

<http://www.eduroam.org/>

Euroam

Information gap

Demographics

* <http://www.eduroam.org/?p=europe>

* <http://www.eduroam.se/>

* <http://www.eduroam.fr/en/>

Eduroam

What a user wants to

Who provides eduroam services

How do one get access (SSID,..) ?

What do I get access to ?

Where (latitude,longitude) ?

The Bologna Process

Higher education systems in European countries should be organized in such a way that:

- it is easy (for a student) to move from one country to another (within the European Higher Education Area)

The Bologna Process

Two functions that needs information

- ✦ Admission control
- ✦ Results reporting

Common patterns

Dynamic membership

- Membership based on providing a service

Loosely coupled

- Event based

Application specific data

Common problems

How to find the recipient

You have to handle version mismatch

You can not use a shoehorn and cram different applications information content into the

You must be able to represent operations

Problems that we can

Transport the information

- ✦ to the correct address at all time by the use of DDDS
- ✦ by the transport protocol of the receivers choice

Provide a common syntax, while letting to
define their own objects and operations c

Handle version control