Identity Management and Enterprise Portals

getting fat applications in a diet

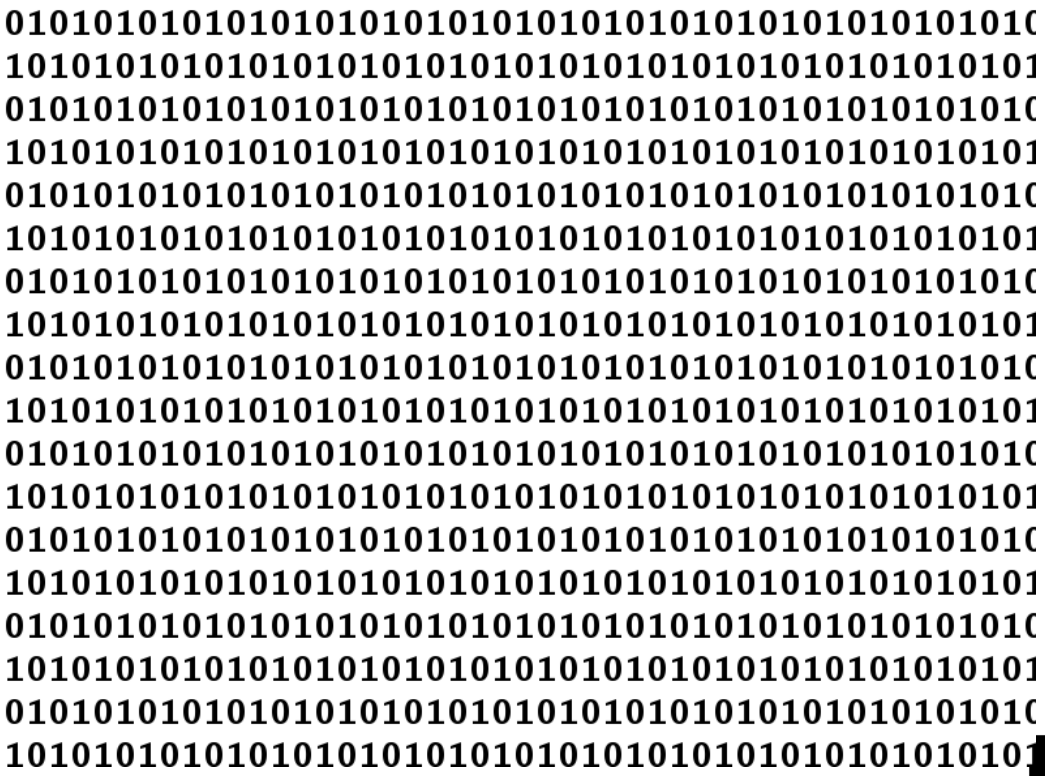
Victoriano Giralt

Central ICT Services
University of Málaga
co-chair of TERENA TF-EMC^2
member of RS^{3}G steering committee

RS^{3}G workshop meeting
Groningen
April 17th, 2012

Information

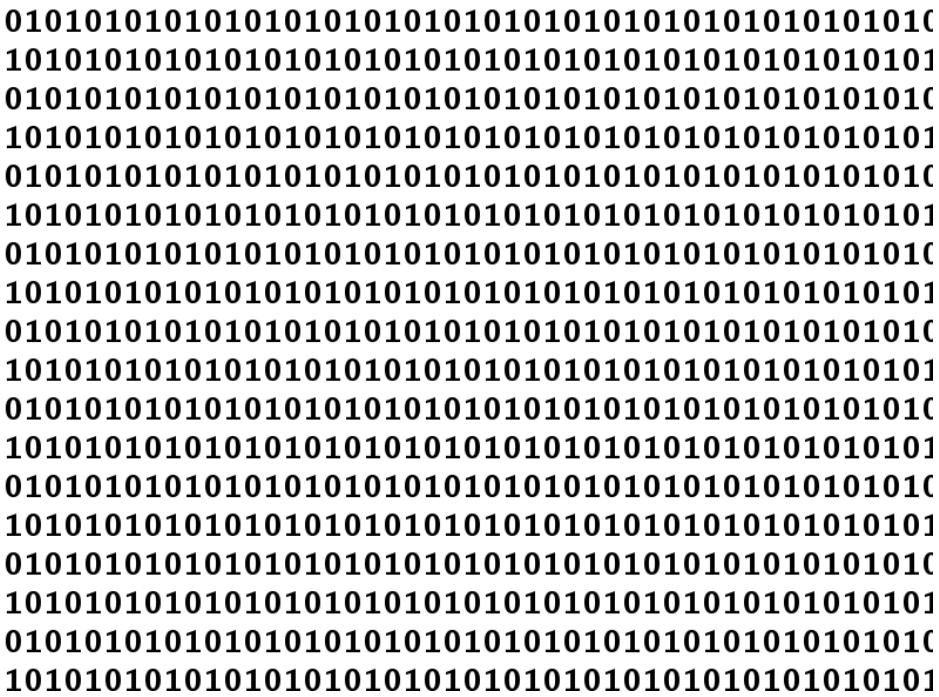
in electronic form, our main character



SSEDIC Programme Partner

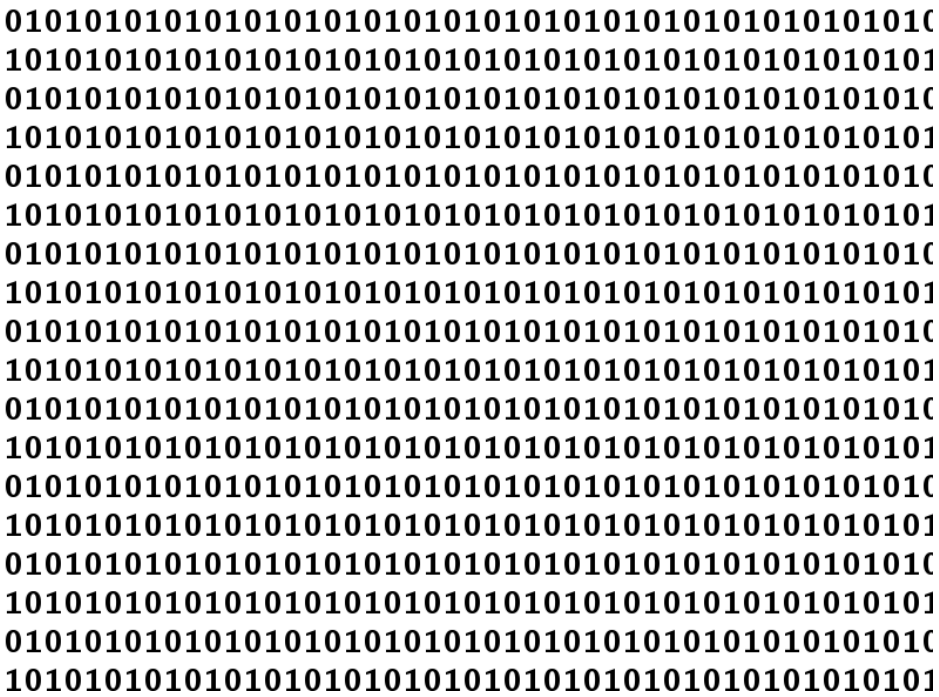
Information

in electronic form, our main character



Information

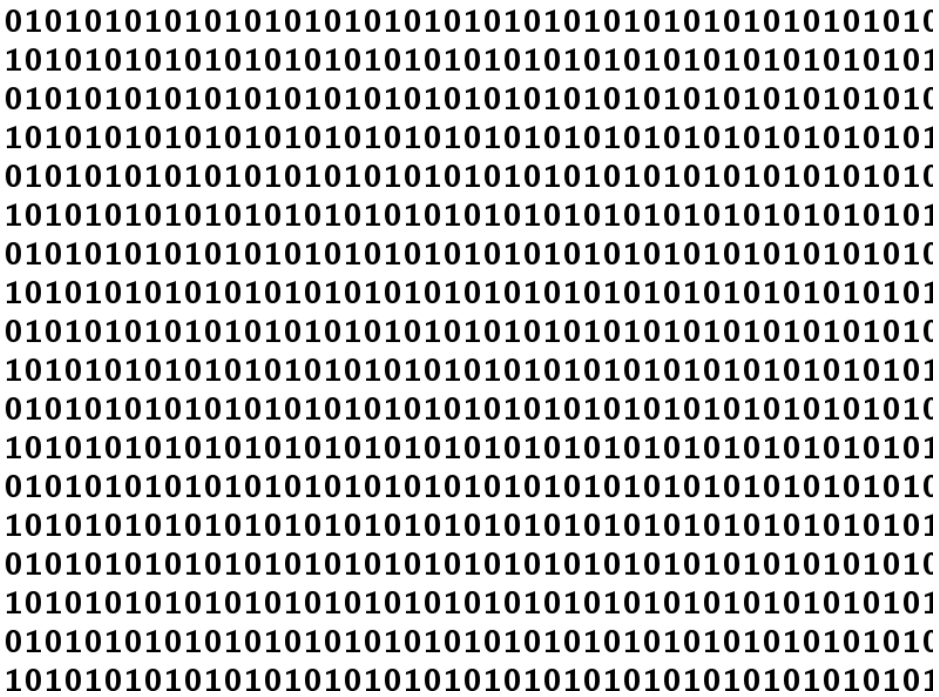
in electronic form, our main character



+ Easy to transport

Information

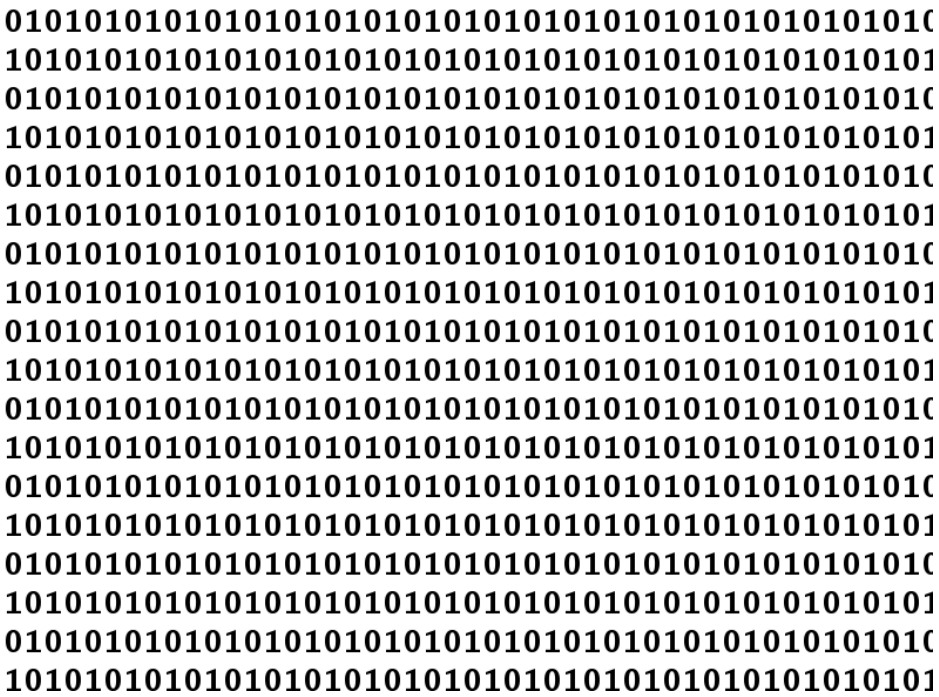
in electronic form, our main character



+ Easy to transport
+ Easy to store

Information

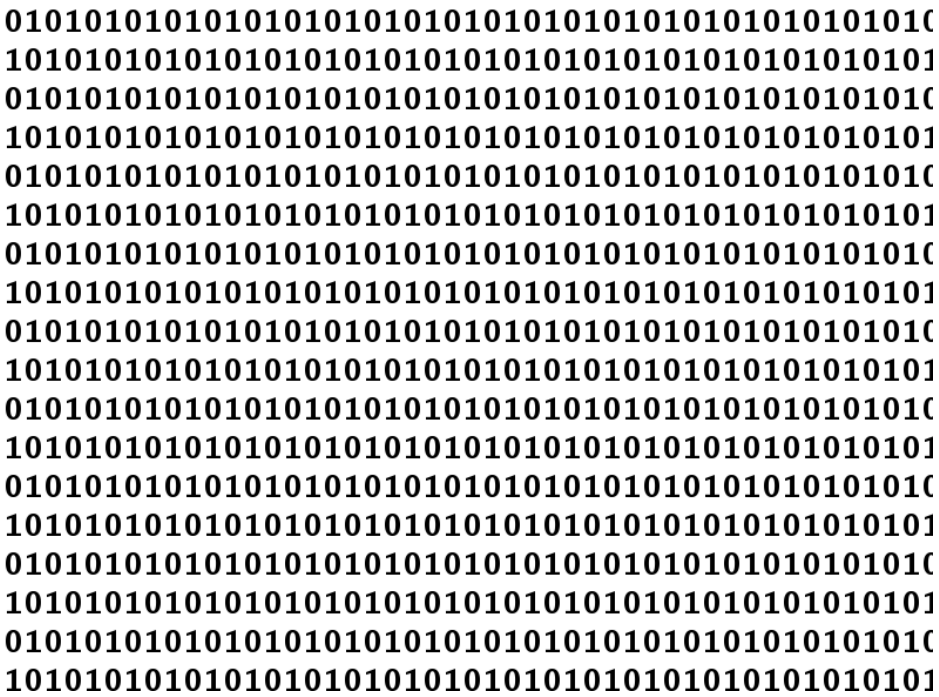
in electronic form, our main character



+ Easy to transport
+ Easy to store
+ Easy to process

Information

in electronic form, our main character

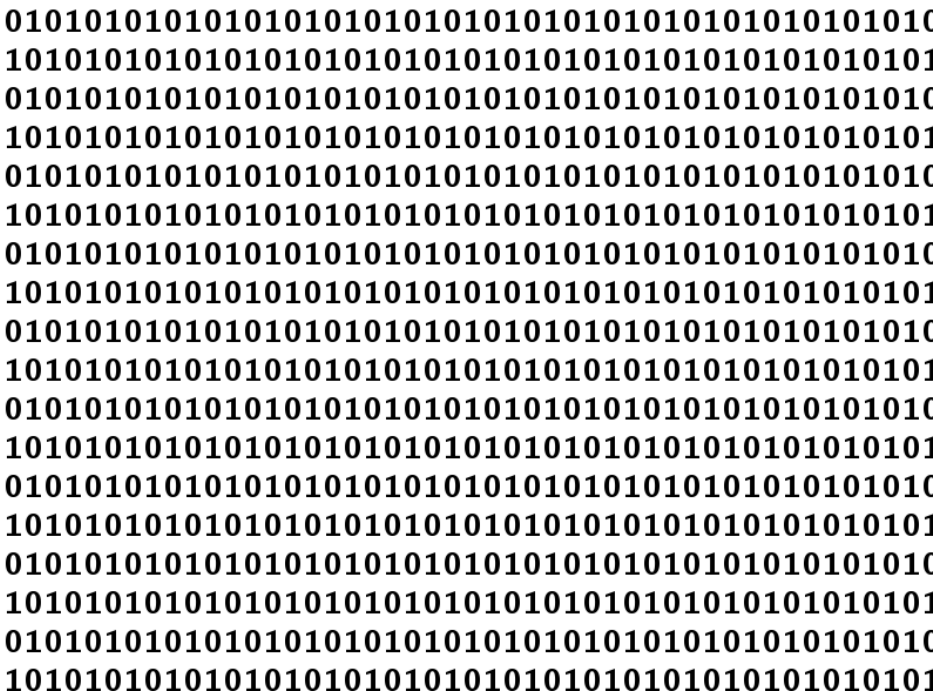


+ Easy to transport
+ Easy to store
+ Easy to process
+ Easy to retrieve

SSEDIC Programme Partner

Information

in electronic form, our main character

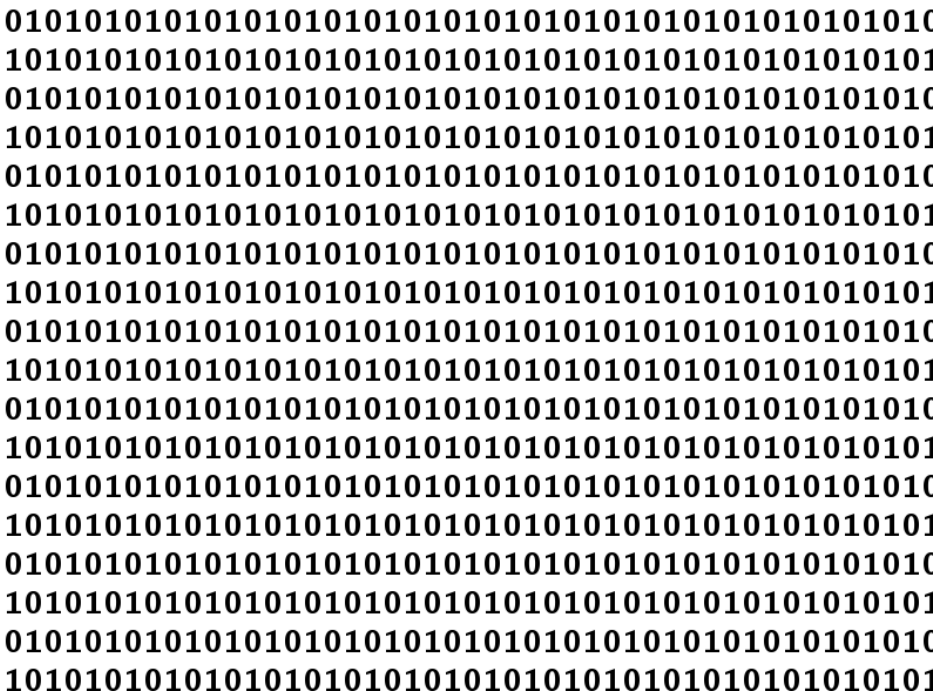


+ Easy to transport
+ Easy to store
+ Easy to process
+ Easy to retrieve
+ Easy to create

SSEDIC Programme Partner

Information

in electronic form, our main character



+ Easy to transport
+ Easy to store
+ Easy to process
+ Easy to retrieve
+ Easy to create
+ Easy for the environment

SSEDIC Programme Partner

The big tree killer

bad for the environment

CC-BY-SA 2.0 M J Richardson <http://www.geograph.org.uk/photo/510110>

SSEDIC Programme Partner

The big tree killer

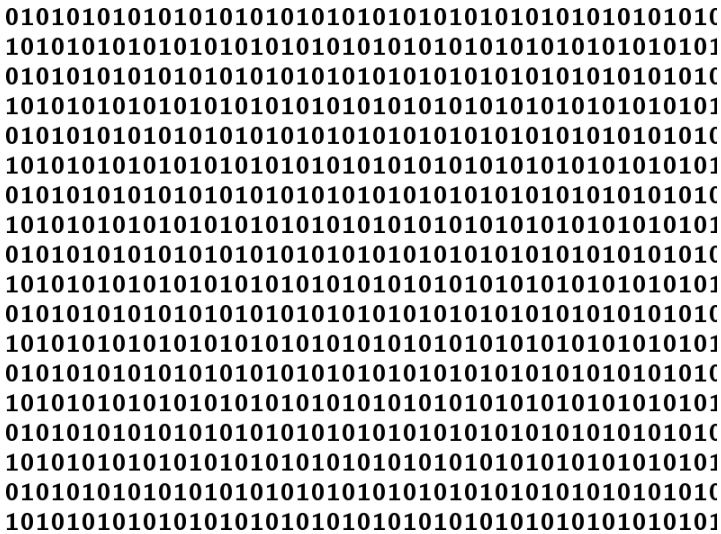
bad for the environment

(CC) BY - NC - SA Victoriano Giralt

The big tree killer

bad for information freedom

+



SSEDIC Programme Partner

(CC) BY - NC - SA Victoriano Giralt

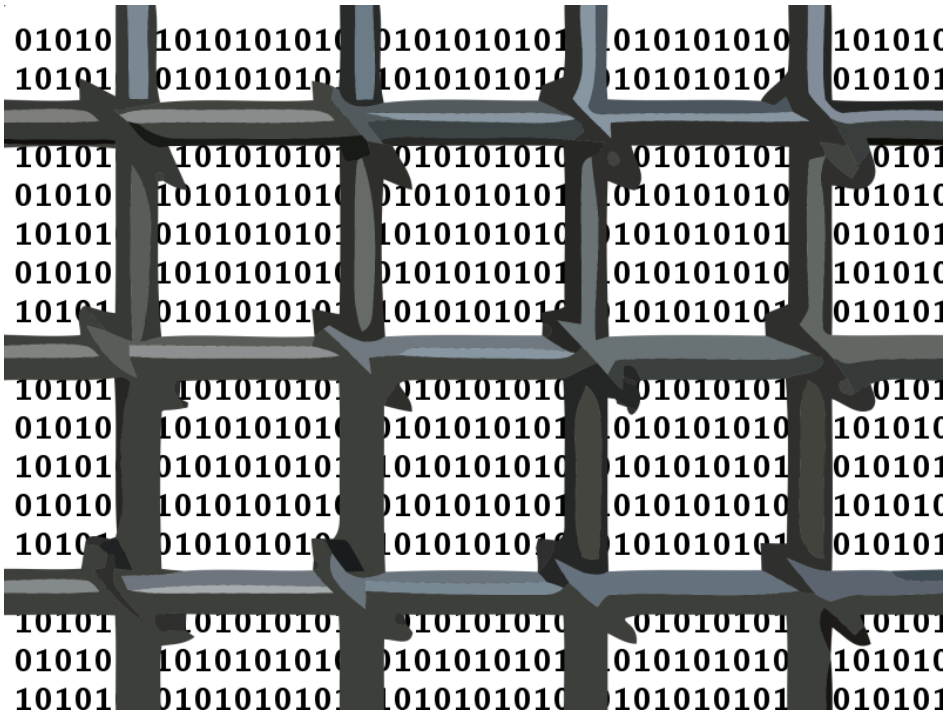
Information caught in the paper jail

as soon as it gets printed

(CC) BY - NC - SA Victoriano Giralt

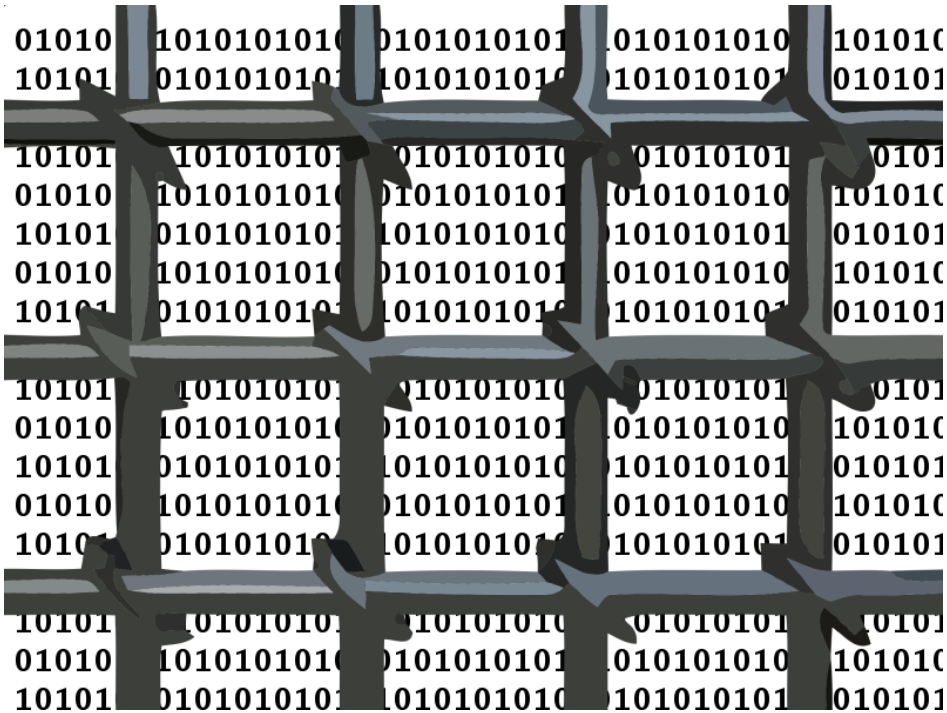
Printed Information

freedom lost in the paper jail



Printed Information

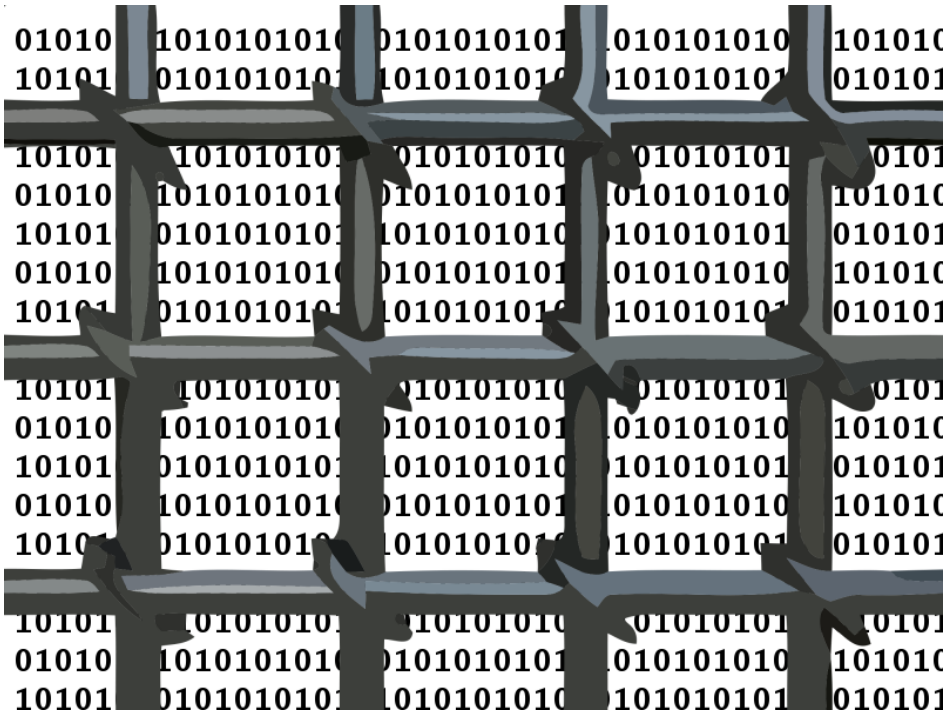
freedom lost in the paper jail



- Difficult to transport

Printed Information

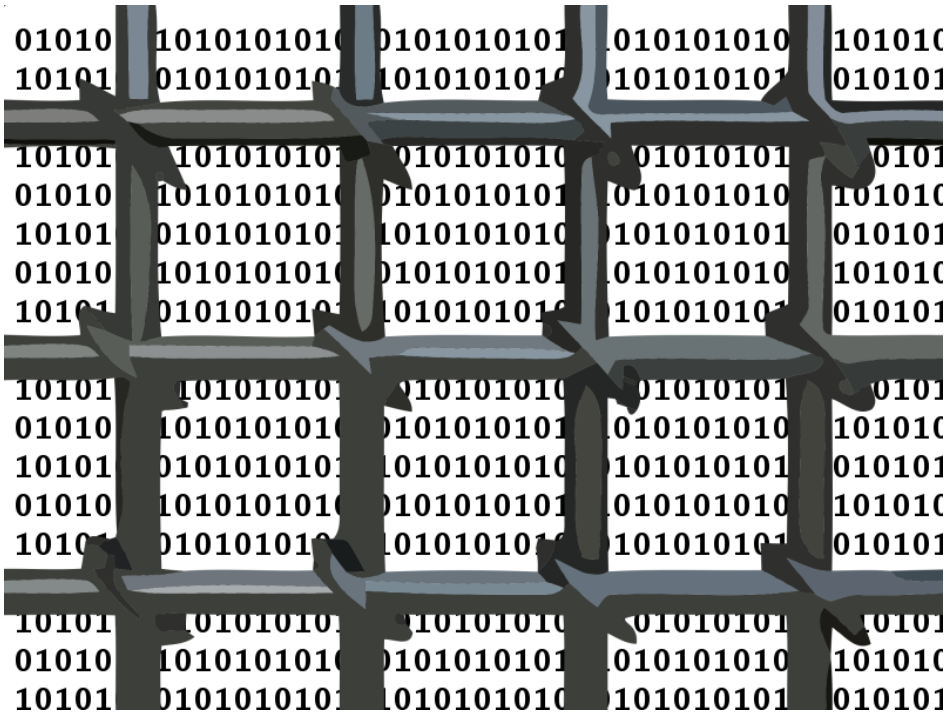
freedom lost in the paper jail



- Difficult to transport
- Difficult to preserve

Printed Information

freedom lost in the paper jail

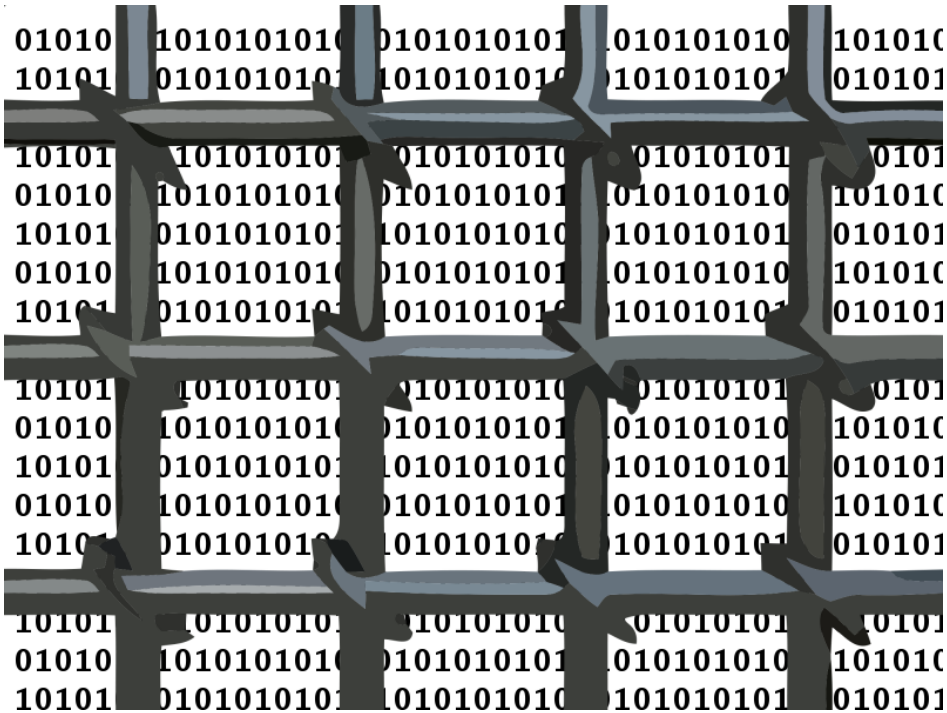


- Difficult to transport
- Difficult to preserve
- Difficult to retrieve

SSEDIC Programme Partner

Printed Information

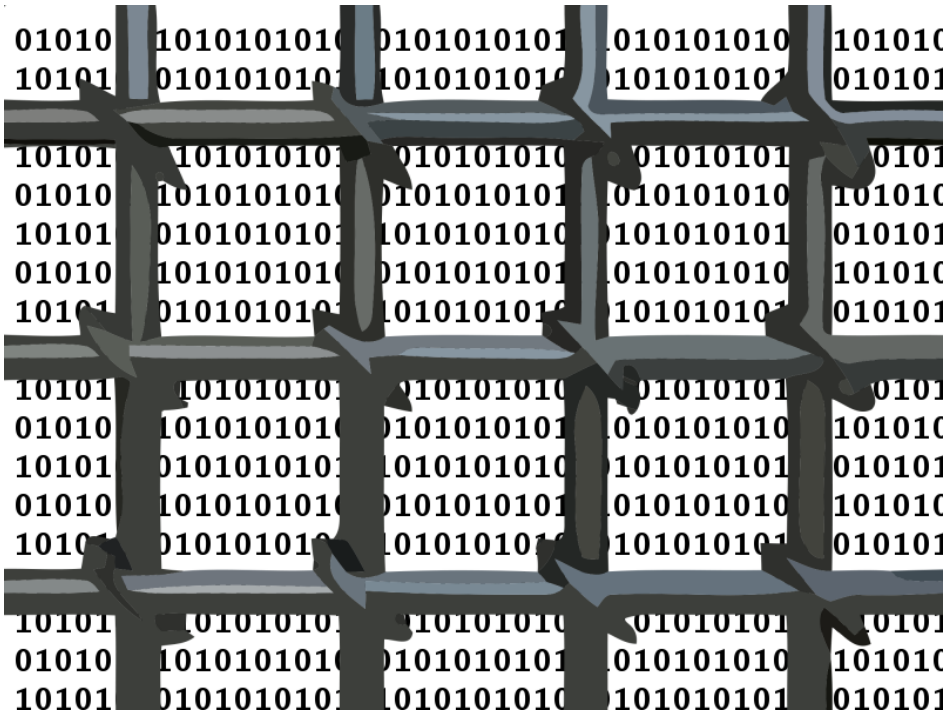
freedom lost in the paper jail



- Difficult to transport
- Difficult to preserve
- Difficult to retrieve
- Too easy to create

Printed Information

freedom lost in the paper jail



- Difficult to transport
- Difficult to preserve
- Difficult to retrieve
- Too easy to create
- Bad for the environment

Use case

Jail demolition in medical practice

SSEDIC Programme Partner

UNIVERSIDAD DE MÁLAGA

Use case

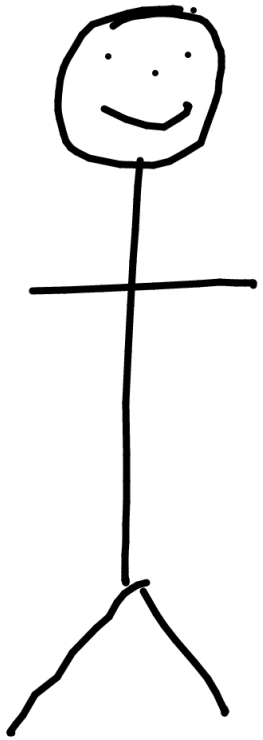
Jail demolition in medical practice

Introducing some characters

SSEDIC Programme Partner

Patient

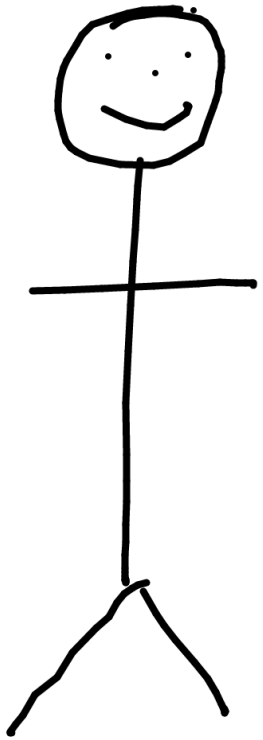
a.k.a. *you or me*



Hi! I'm the patient

Patient

a.k.a. *you or me*



i.e. *you*

Scoping the Single European Digital Identity Community

SSEDIC Programme Partner

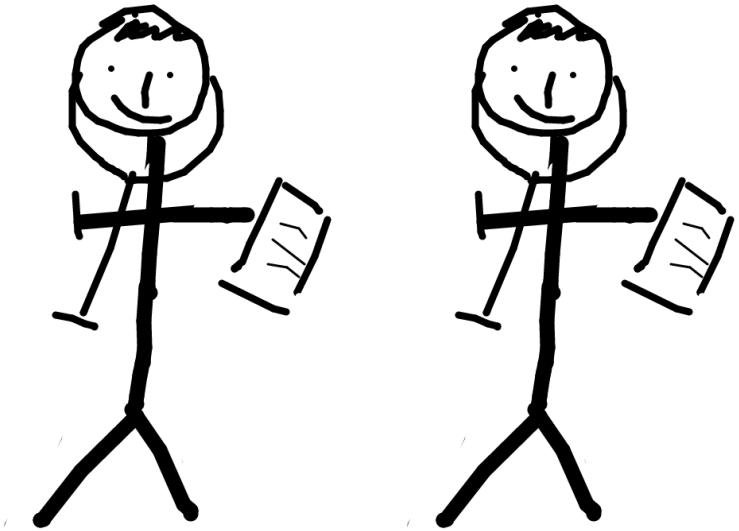
Practitioner

a.k.a. *The* Doctor

Hi! I'm your doctor

Practitioner

a.k.a. *The* Doctor



Hi! I'm also your doctor

Practitioner

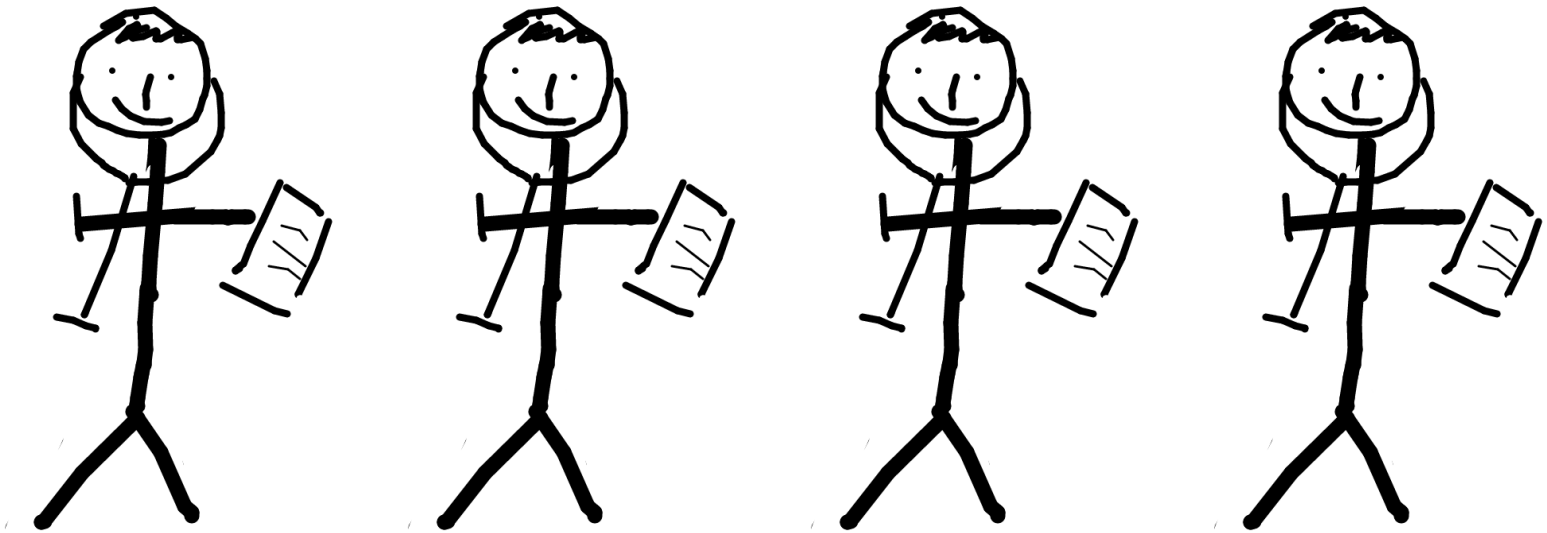
a.k.a. *The* Doctor

Me too!

SSEDIC Programme Partner

Practitioner

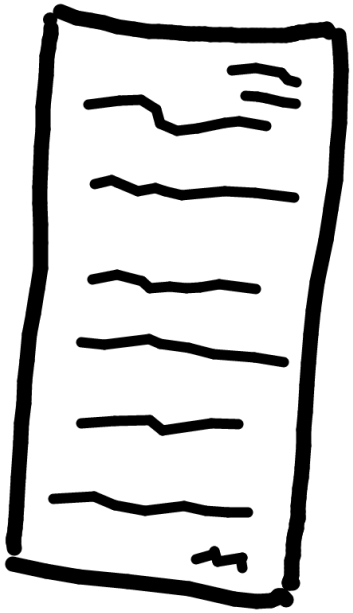
a.k.a. *The* Doctor



we all are your doctors

Health Record

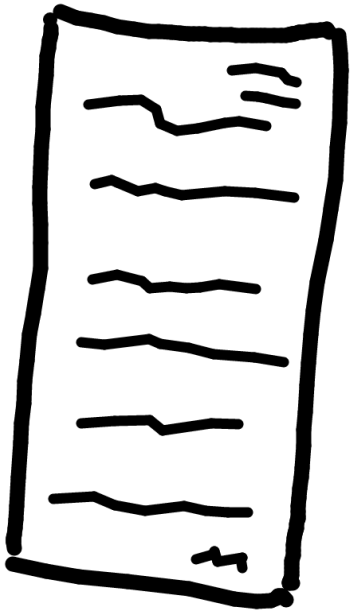
a.k.a. *lots of data about me*



Hi! I'm your Health Record

Health Record

a.k.a. *lots of data about me*

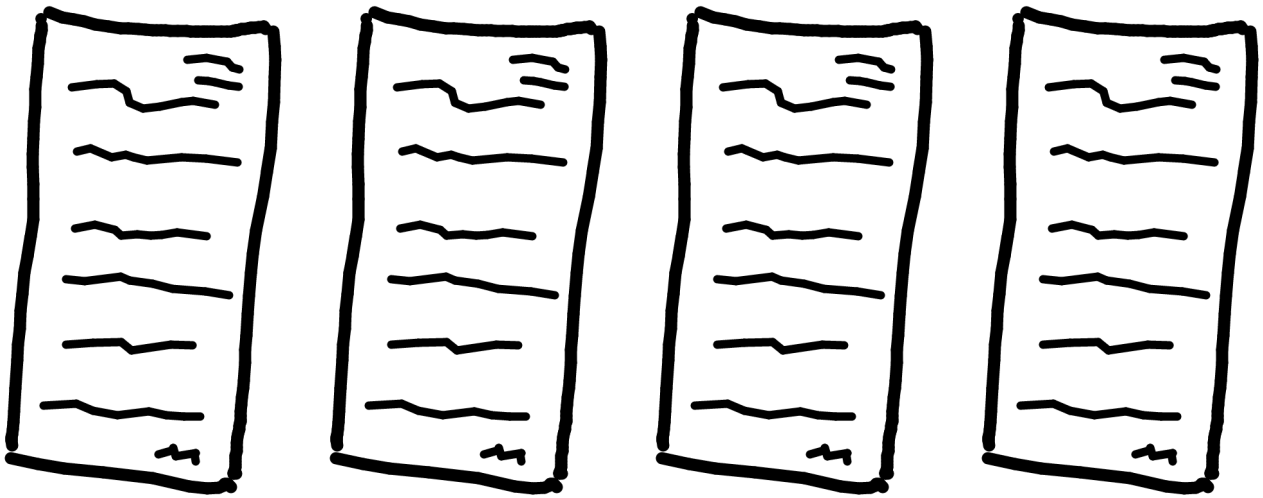


Only me?

(CC) BY - NC - SA Victoriano Giralt

Health Record

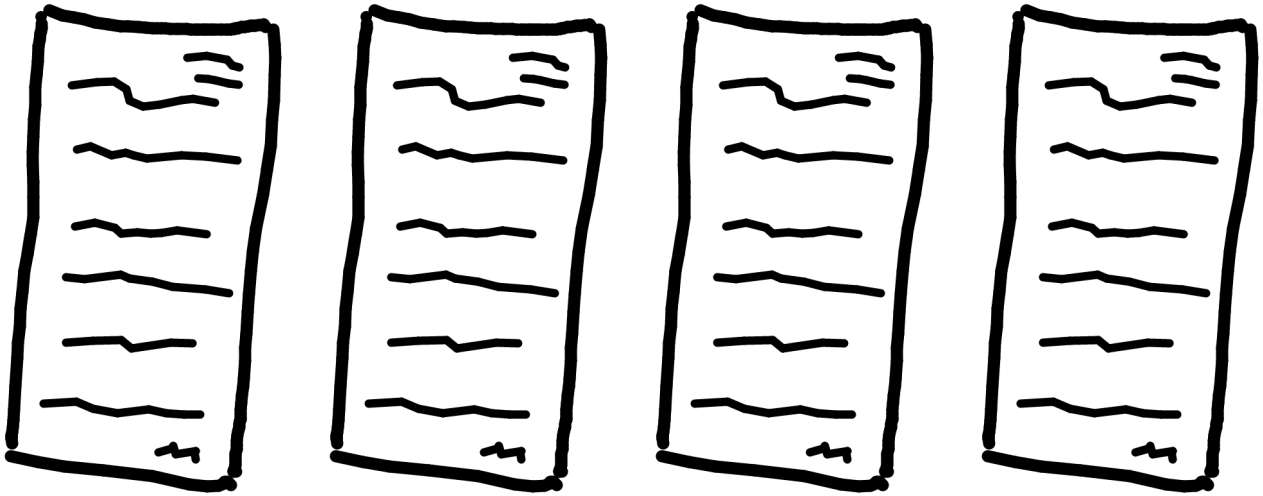
a.k.a. *lots of data about me*



Or us?

Health Record

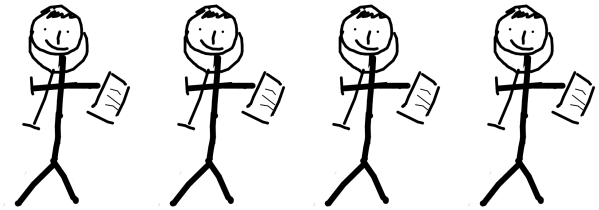
a.k.a. *lots of data about me*

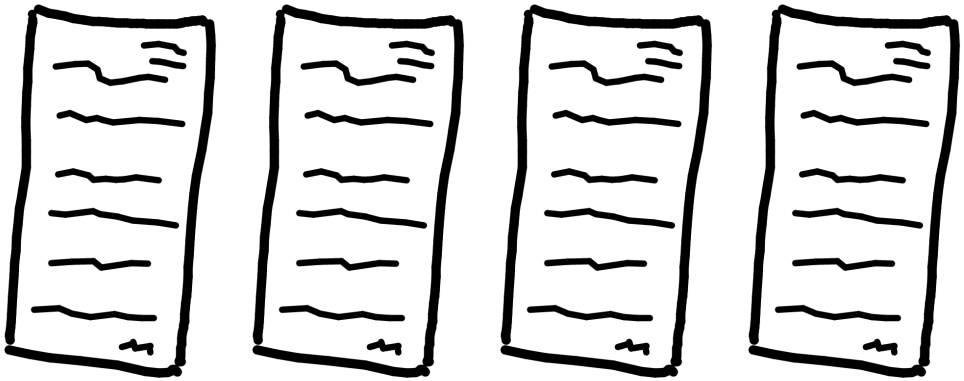


Really yours?

Health Record

a.k.a. *lots of data about me*



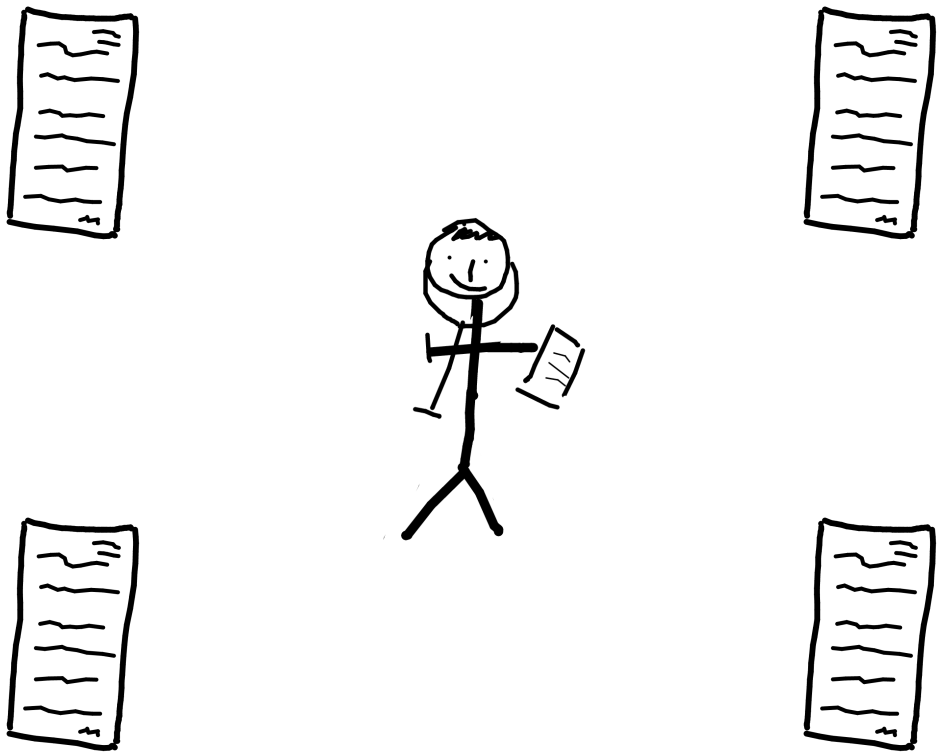


Or theirs?

SSEDIC Programme Partner

Present situation

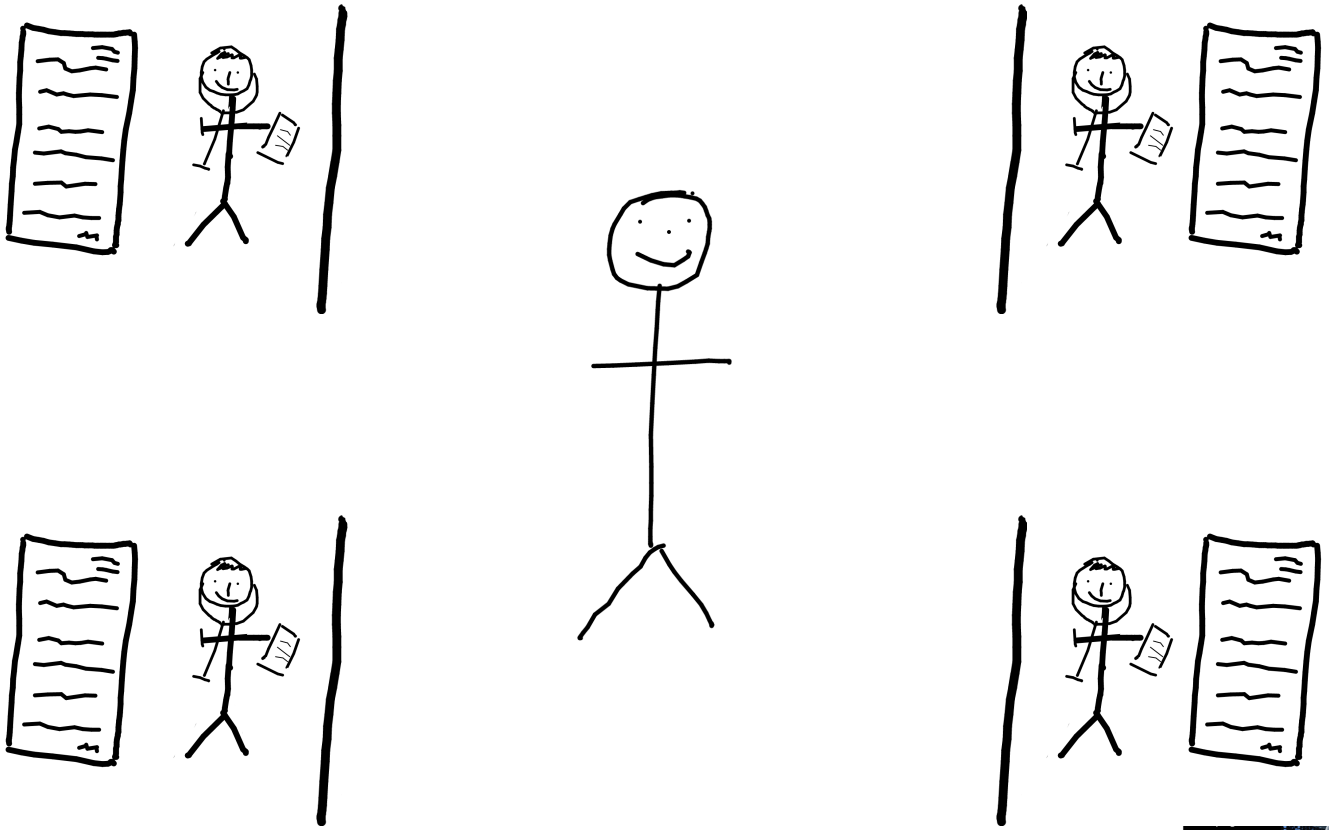
someone controls *my* data



Someone owns *my* HRs

Present situation

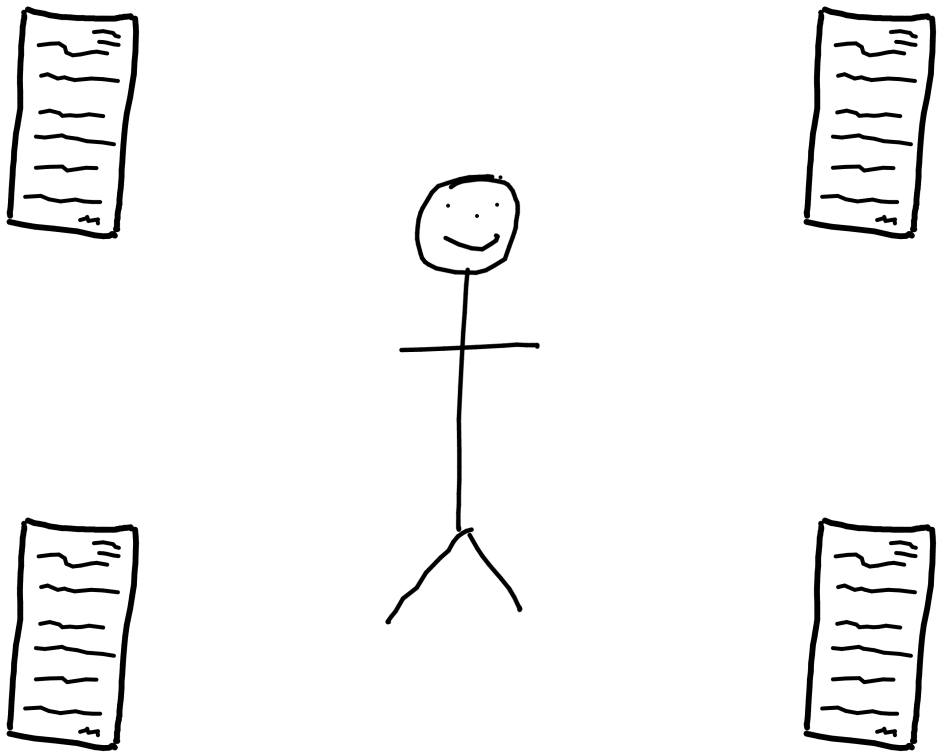
someone controls *my* data



my HRs are in silos

Proposed situation

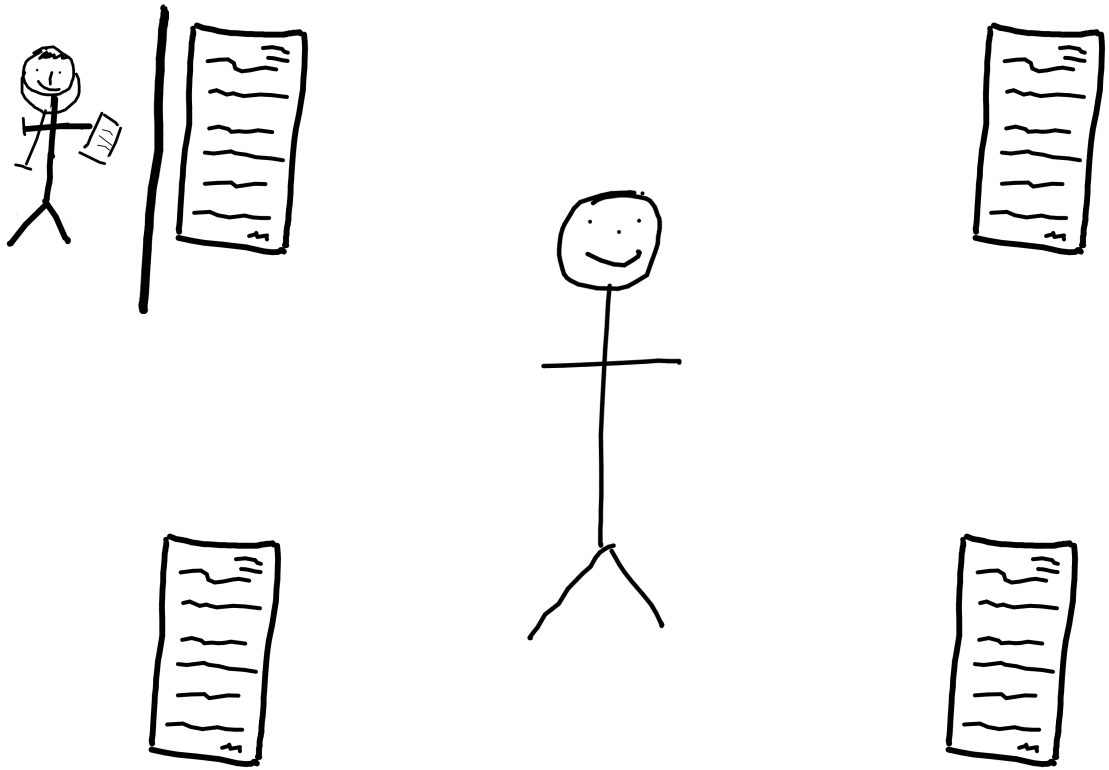
I control *my* data



I own my Heatlh Records

Proposed situation

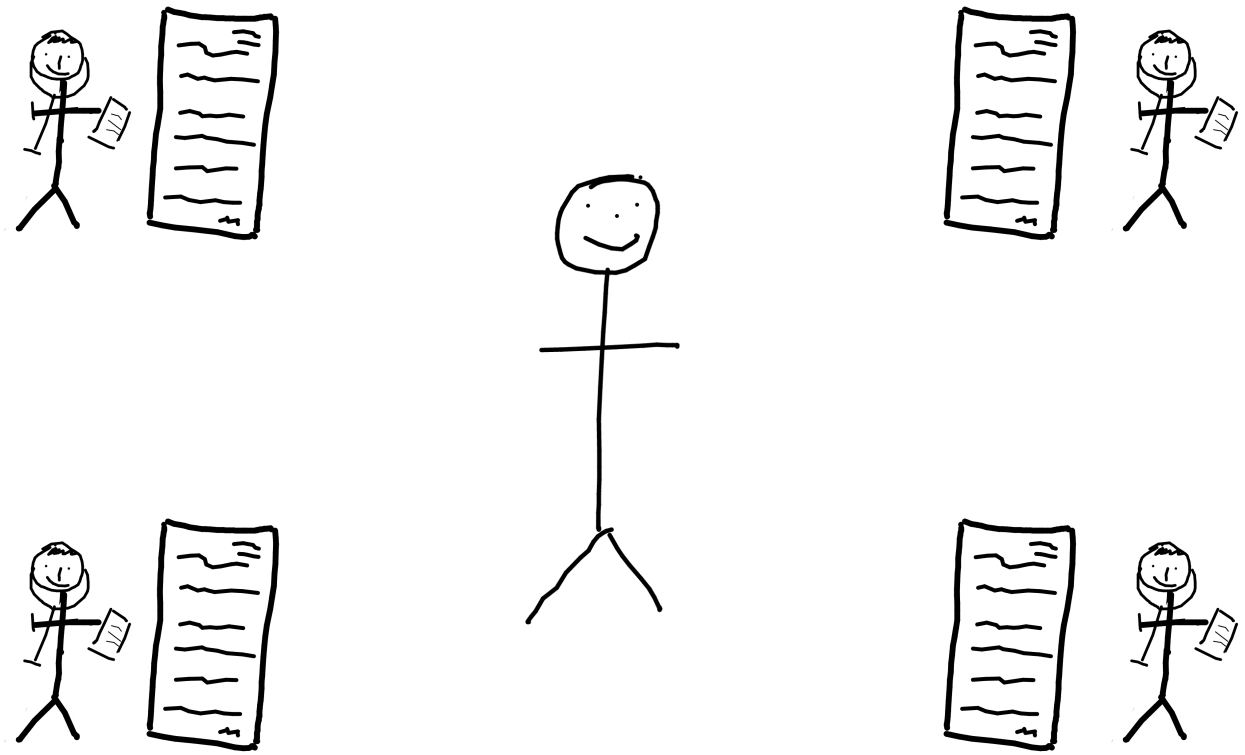
I control *my* data



I *control* access to my HRs

Proposed situation

I control *my* data



I *know* **who** is using my HRs

Steps in the right direction

<http://www.va.gov/bluebutton/>

<http://www.whitehouse.gov/blog/2011/11/21/empowering-customers-green-button>

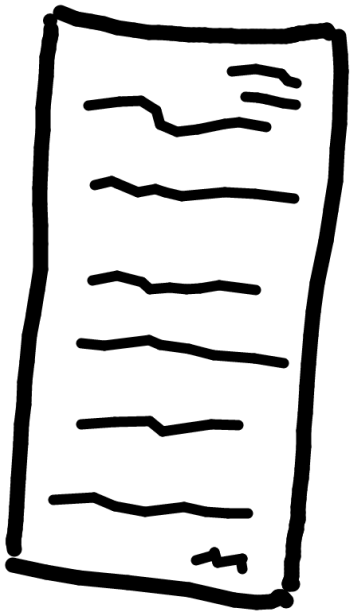
Steps in the right direction

Tarvi Martens' "Inimitable identity"

SSEDIC Programme Partner

UNIVERSIDAD DE MÁLAGA

Educational sector



HR = Educational achievements

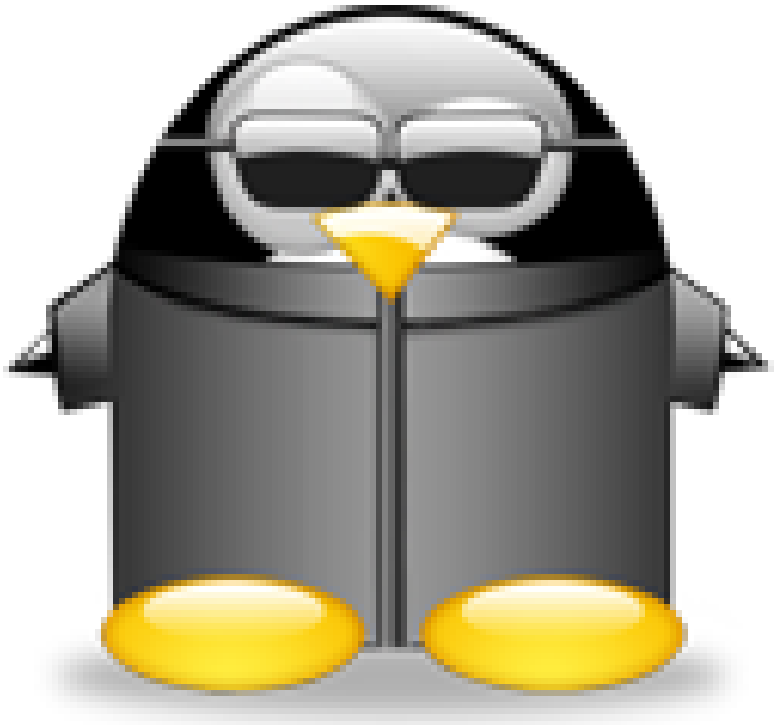
Challenges

Urbanidades #51 by Nana Sousa Dias <http://photo.net/photodb/photo?photo_id=4169934>

SSEDIC Programme Partner

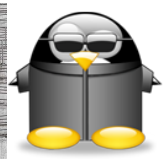
Identity and privacy

Challenges



Standards

Challenges



SSEDIC Programme Partner

Privacy

there are many ways to look at privacy in education

Privacy

with increased knowledge of the subject

Full anonymity

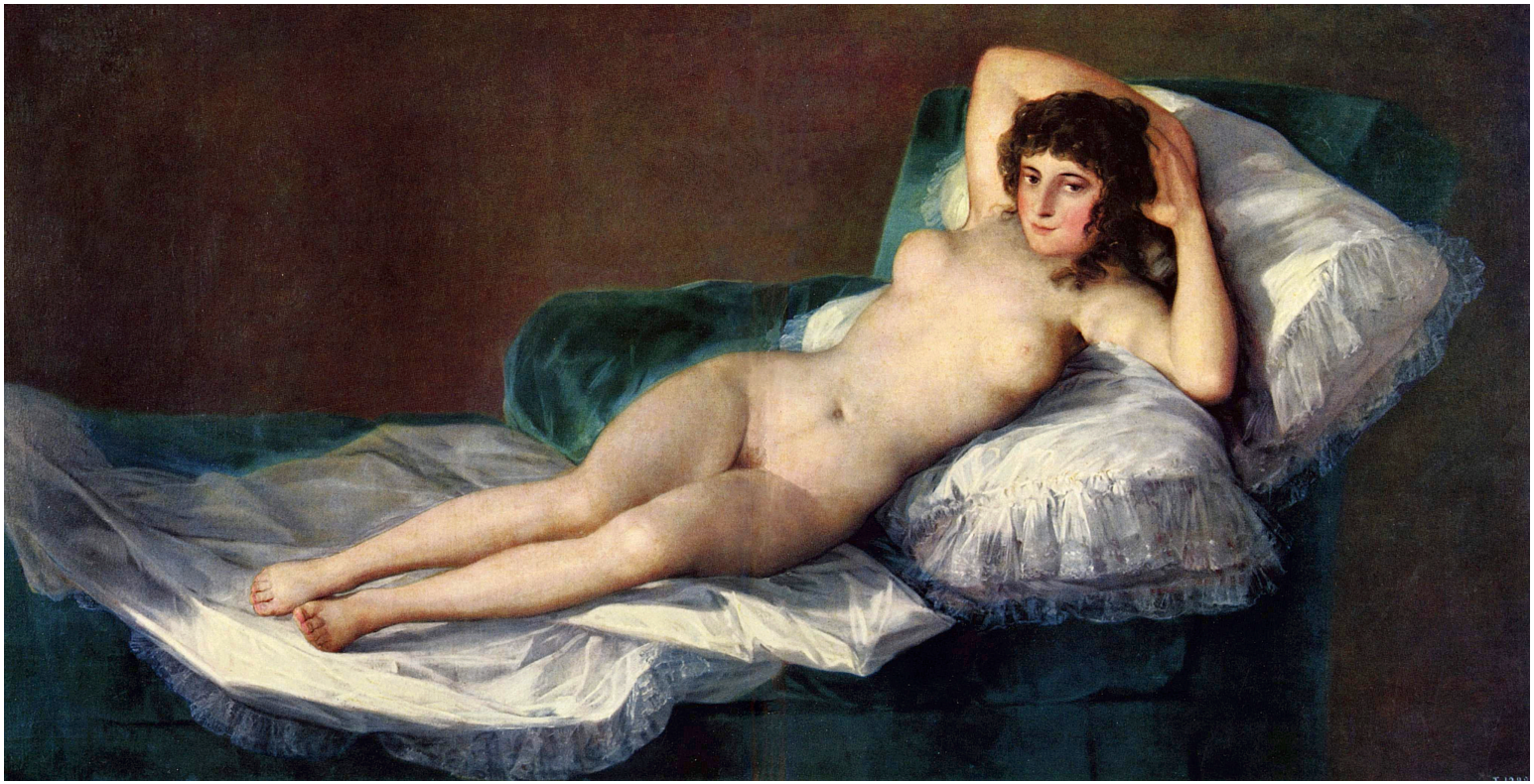
Privacy

with increased knowledge of the subject

Pseudonymous identity

Privacy

with increased knowledge of the subject

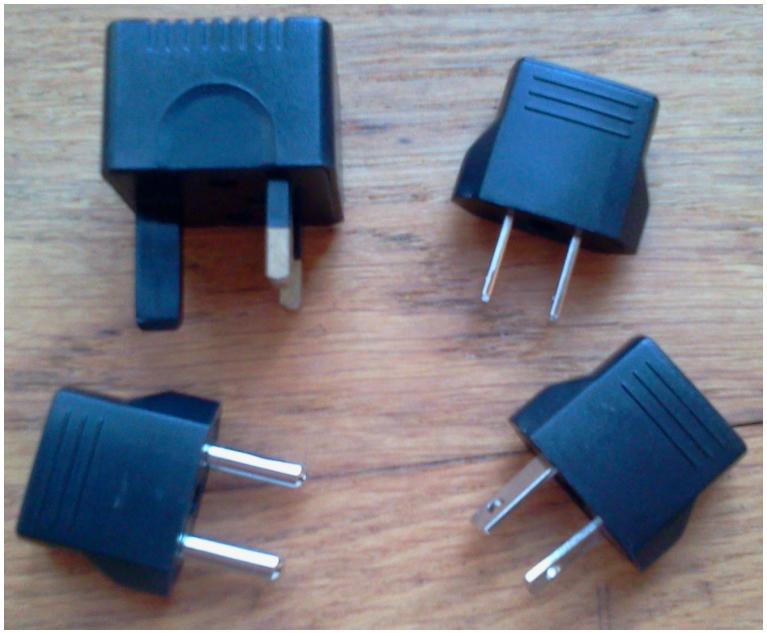


Full disclosure

Goya's Nude Maja <http://commons.wikimedia.org/wiki/File:Goya_Maja_naga2.jpg>

Standards

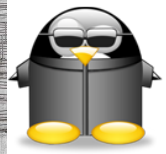
Challenges

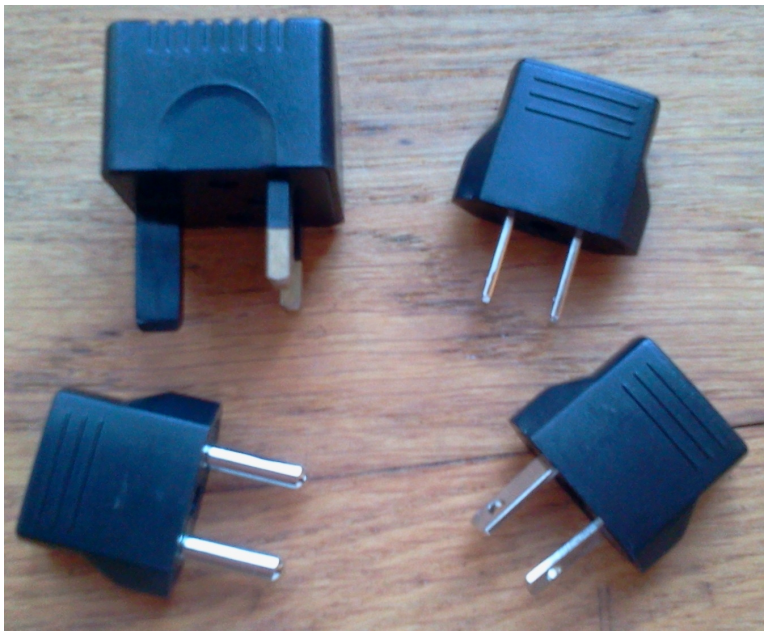


There are never enough

Standards

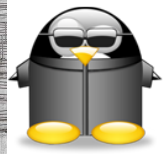
Challenges

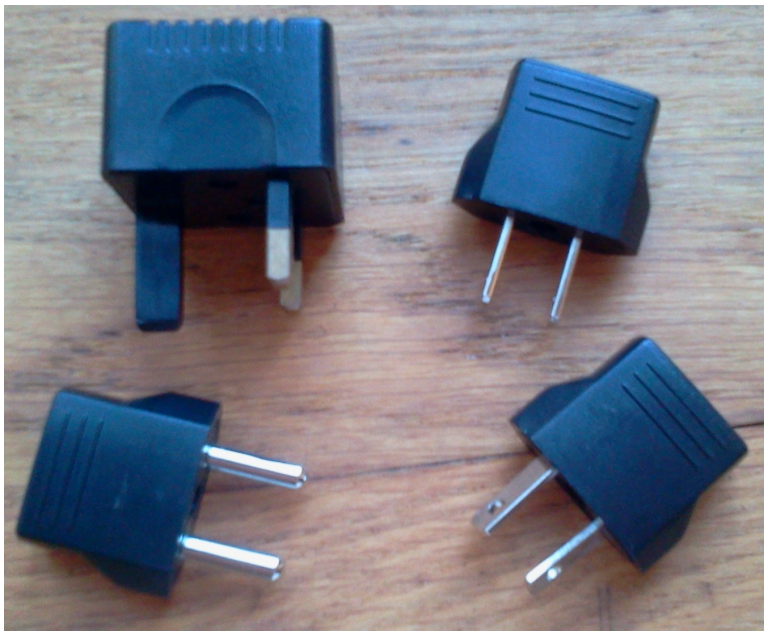




Standards

Challenges



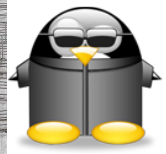


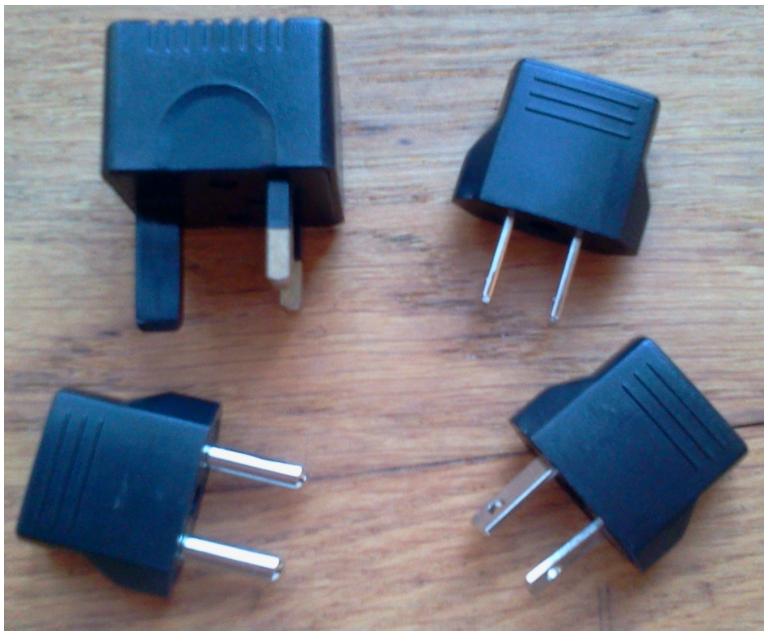
- SAML

SSEDIC Programme Partner

Standards

Challenges

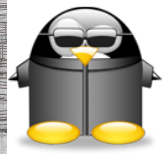


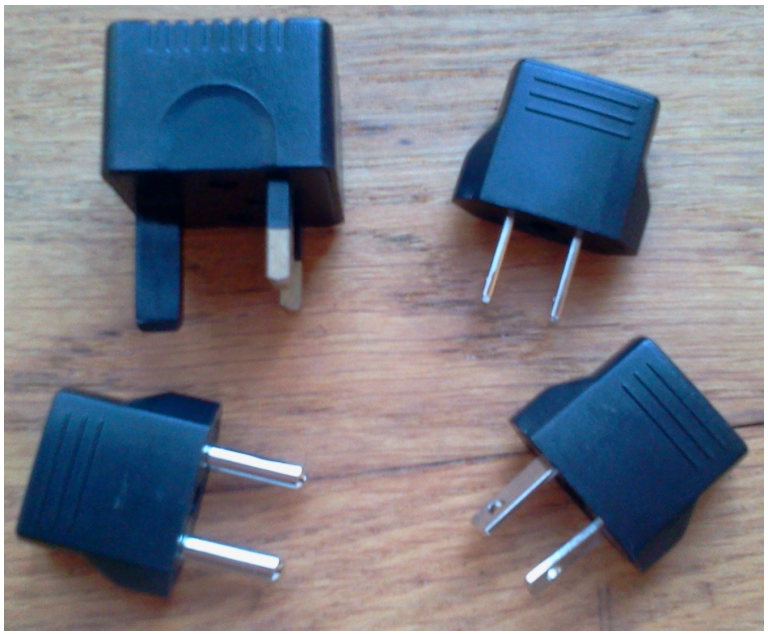


- SAML
- OAuth

Standards

Challenges



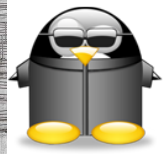


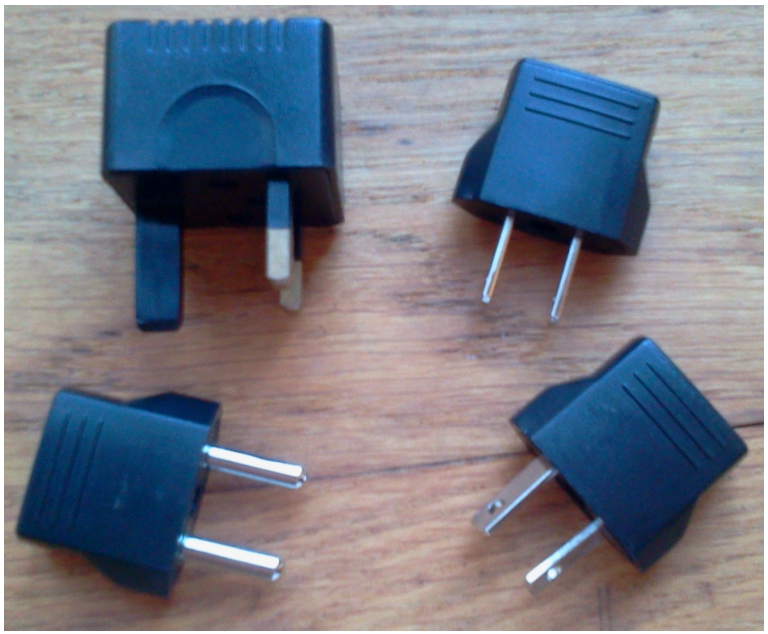
- SAML
- OAuth
- eduPerson

SSEDIC Programme Partner

Standards

Challenges



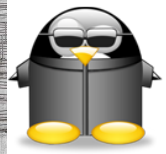


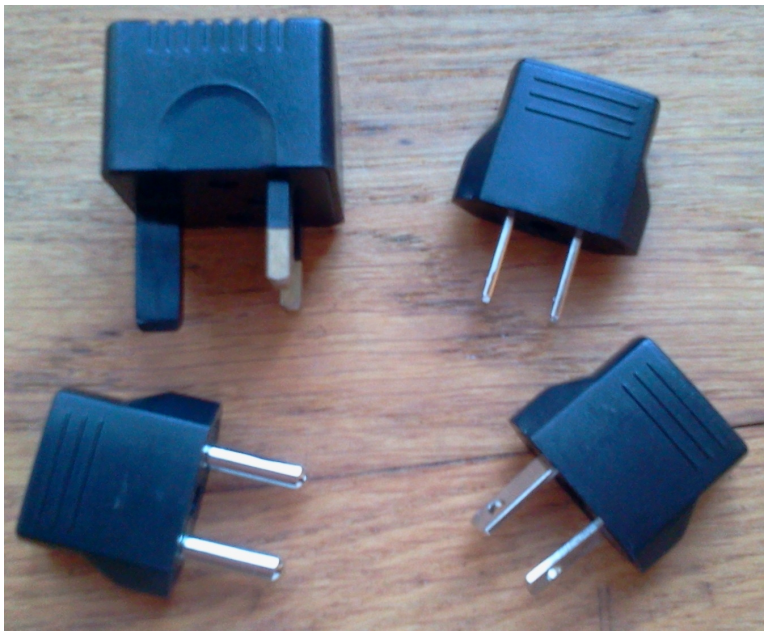
- SAML
- OAuth
- eduPerson
- SCHAC

SSEDIC Programme Partner

Standards

Challenges



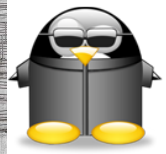


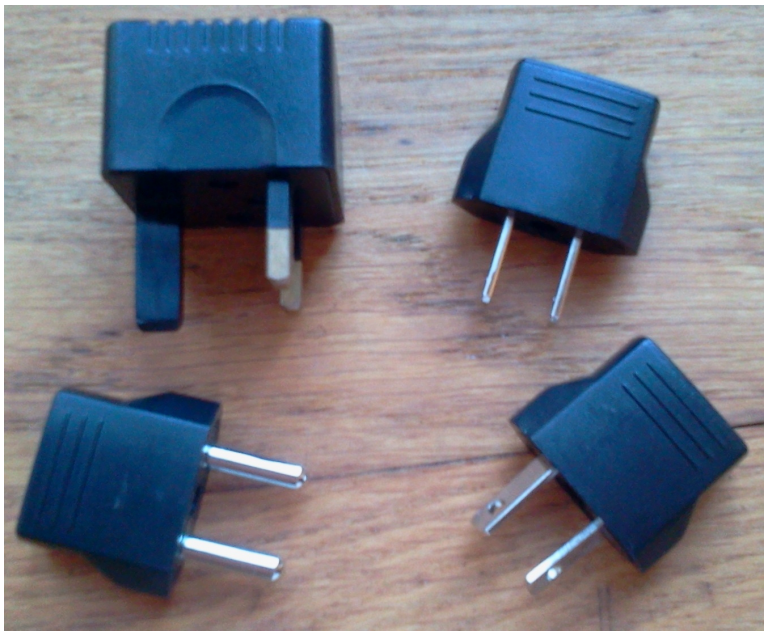
- SAML
- OAuth
- eduPerson
- SCHAC
- MLO

SSEDIC Programme Partner

Standards

Challenges



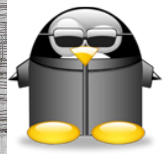


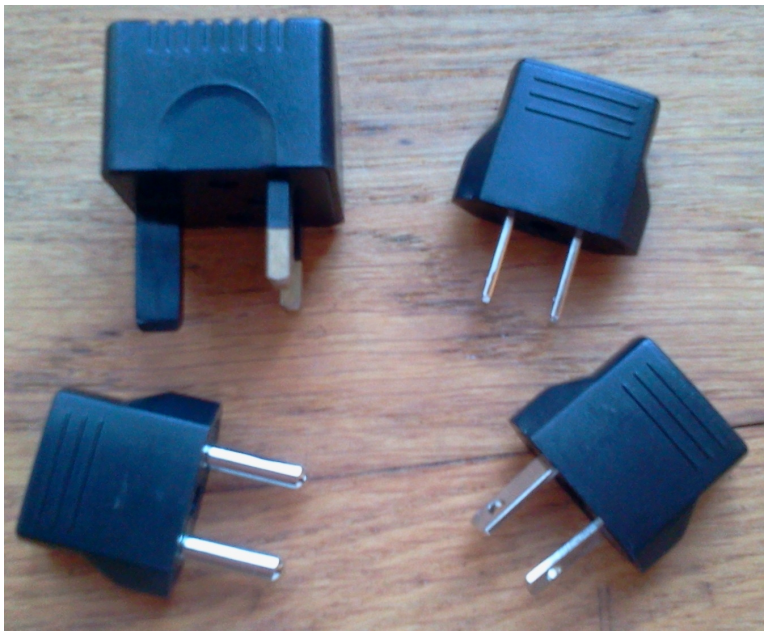
- SAML
- OAuth
- eduPerson
- SCHAC
- MLO
- ELM

SSEDIC Programme Partner

Standards

Challenges



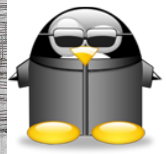


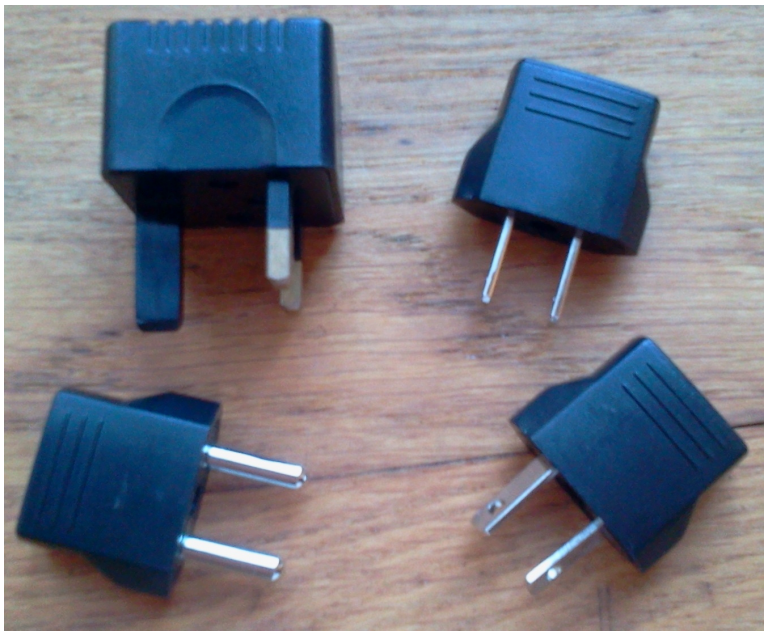
- SAML
- OAuth
- eduPerson
- SCHAC
- MLO
- ELM
- Europass

SSEDIC Programme Partner

Standards

Challenges





- SAML
- OAuth
- eduPerson
- SCHAC
- MLO
- ELM
- Europass
- ...

SSEDIC Programme Partner

Security

Challenges

SSEDIC Programme Partner

Security

Challenges

Security

Challenges

- TCS

SSEDIC Programme Partner

Security

Challenges

- TCS
- STORK2

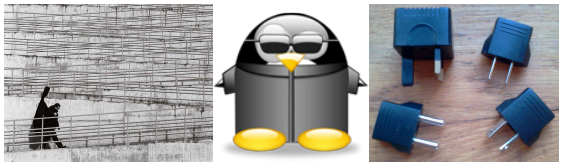
Scoping the Single European Digital Identity Community

SSEDIC Programme Partner

UNIVERSIDAD DE MÁLAGA

Security

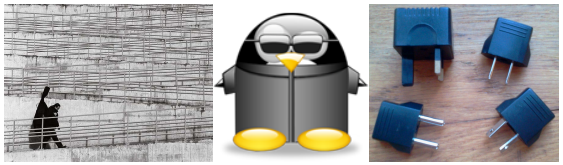
Challenges



- TCS
- STORK2
- TF-CSIRT

Security

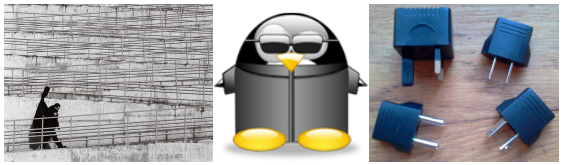
Challenges



- TCS
- STORK2
- TF-CSIRT
- Trusted Introducer

Security

Challenges



- TCS
- STORK2
- TF-CSIRT
- Trusted Introducer
- ...

SSEDIC Programme Partner

Storage

Challenges

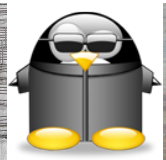
Scoping the Single European Digital Identity Community

SSEDIC Programme Partner

UNIVERSIDAD DE MÁLAGA

Storage

Challenges



Scoping the Single European Digital Identity Community
SSEDIC Programme Partner

UNIVERSIDAD DE MÁLAGA

Storage

Challenges

Storage

Challenges

- Grids

Storage

Challenges

- Grids
- Geánt3+

Scoping the Single European Digital Identity Community

SSEDIC Programme Partner

UNIVERSIDAD DE MÁLAGA

Storage

Challenges

- Grids
- Geánt3+
- TF-Storage

Storage

Challenges

- Grids
- Geánt3+
- TF-Storage
- TF-EMC^2

Scoping the Single European Digital Identity Community

SSEDIC Programme Partner

UNIVERSIDAD DE MÁLAGA

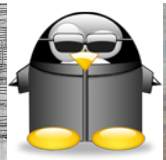
Storage

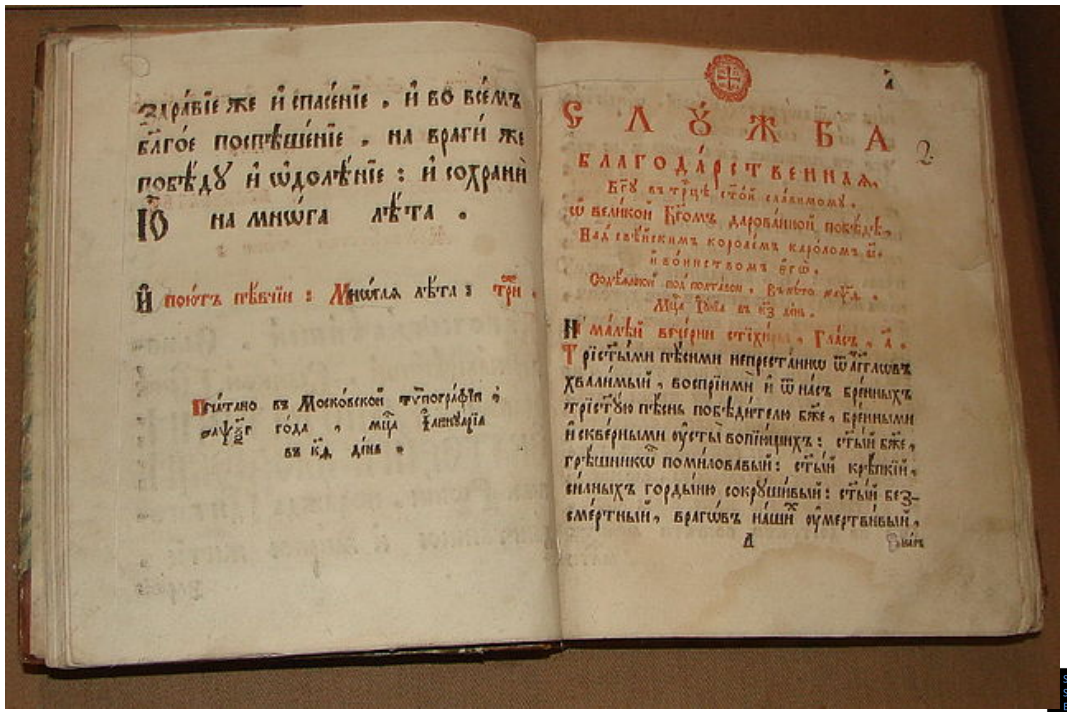
Challenges

- Grids
- Geánt3+
- TF-Storage
- TF-EMC^2
- ...

Storage

Challenges

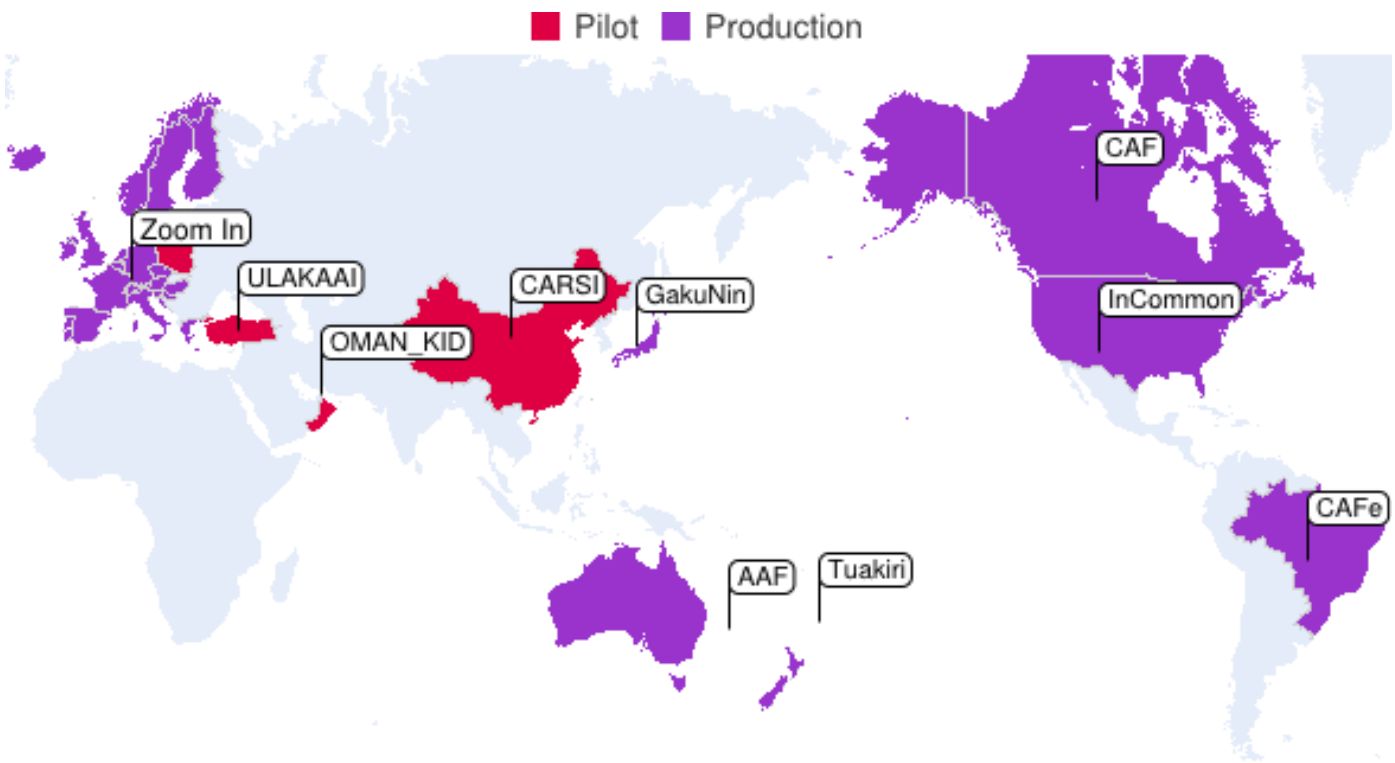




CC-BY-SA Sergeev Pavel <http://commons.wikimedia.org/wiki/File:Slugebnik_93.jpg>

HiEd Federations

spanning the globe



existing intereoperable identity infrastructure

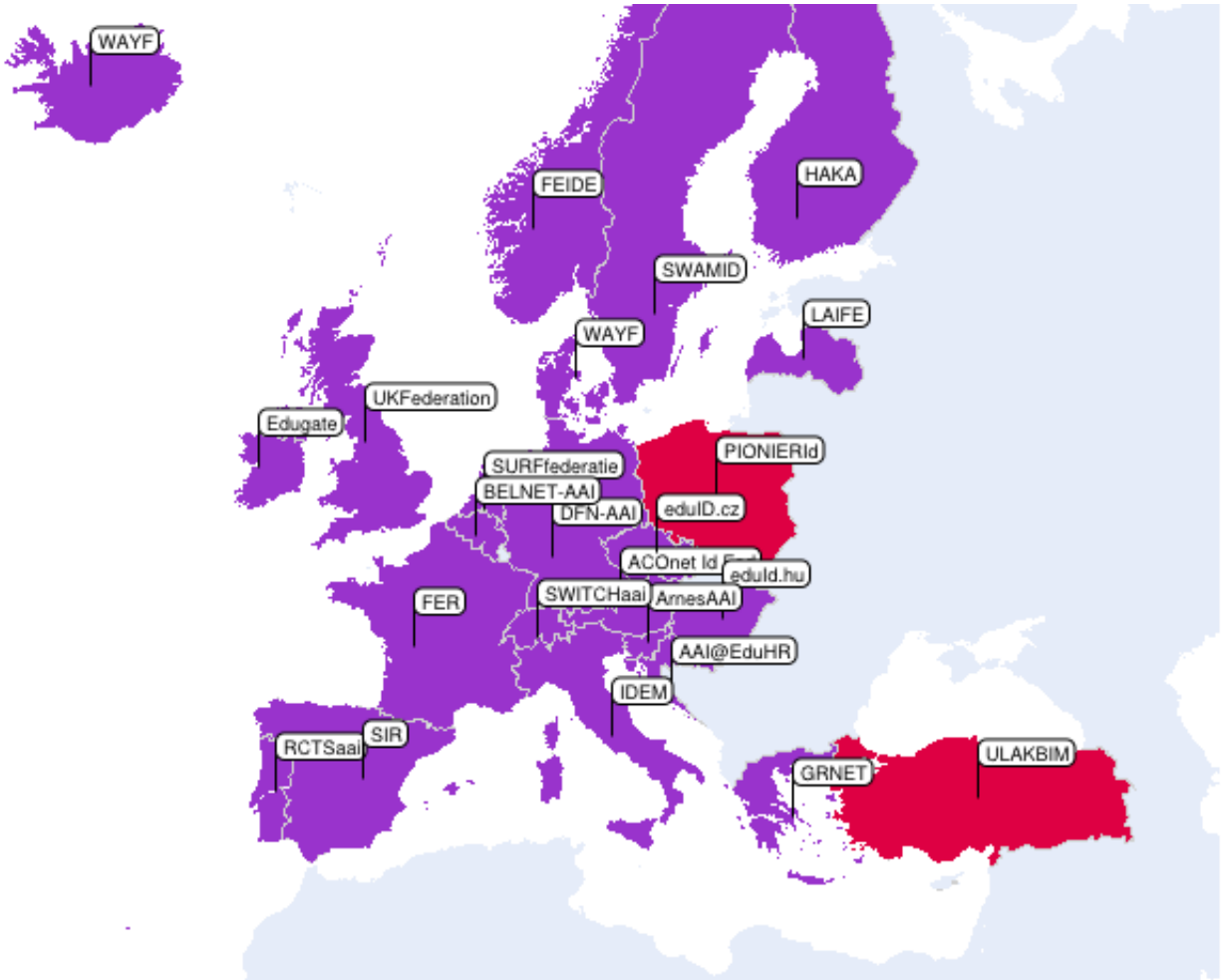
Scoping the Single European Digital Identity Community

SSEDIC Programme Partner

UNIVERSIDAD DE MÁLAGA

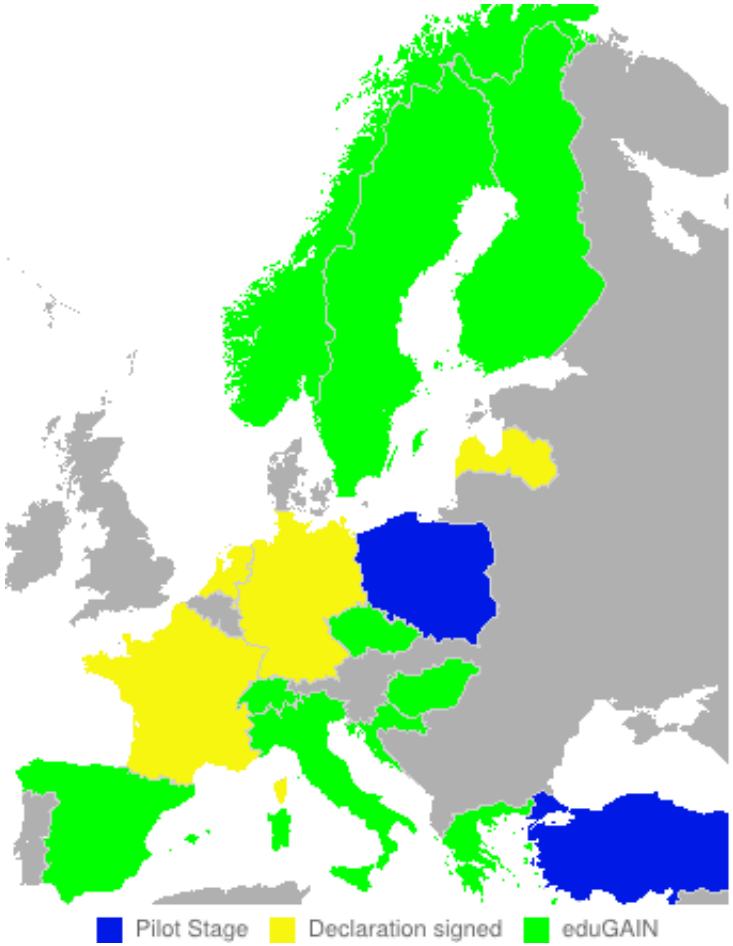
HiEd Federations

covering Europe



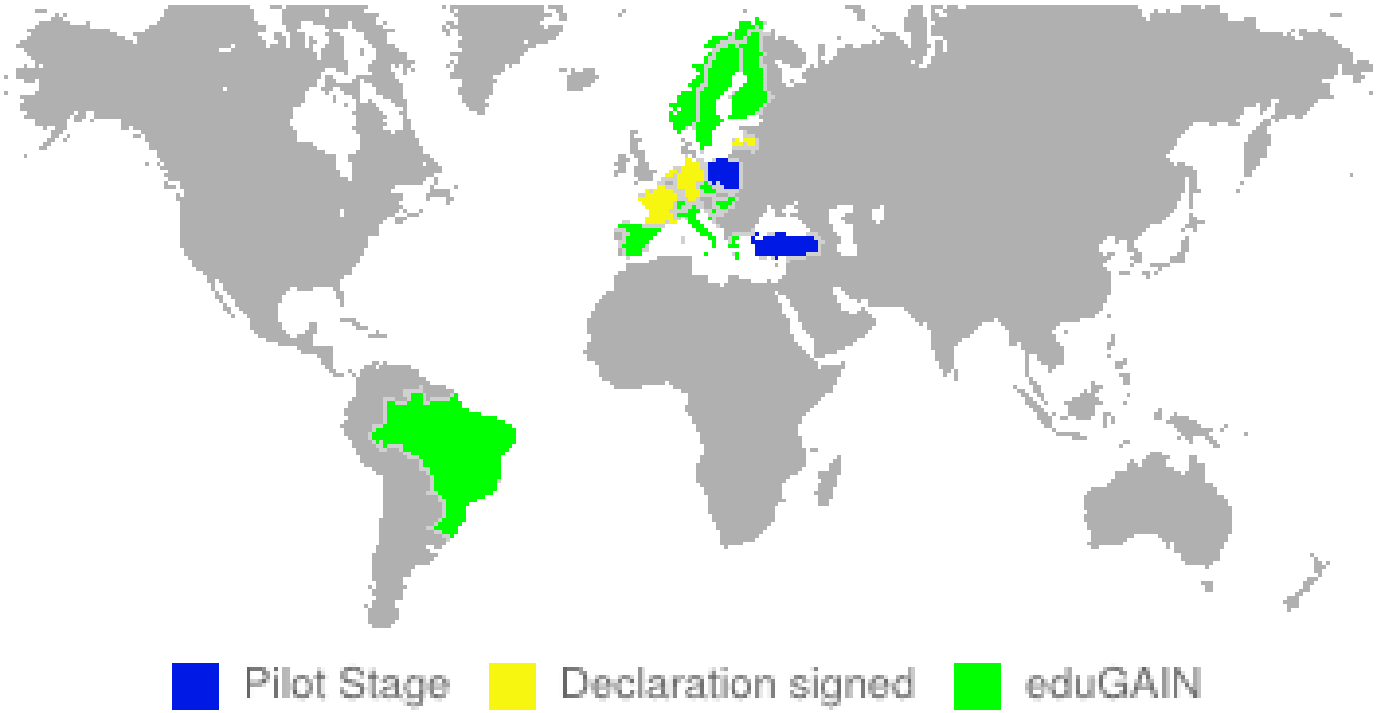
Interfederation

edugain: started in Europe



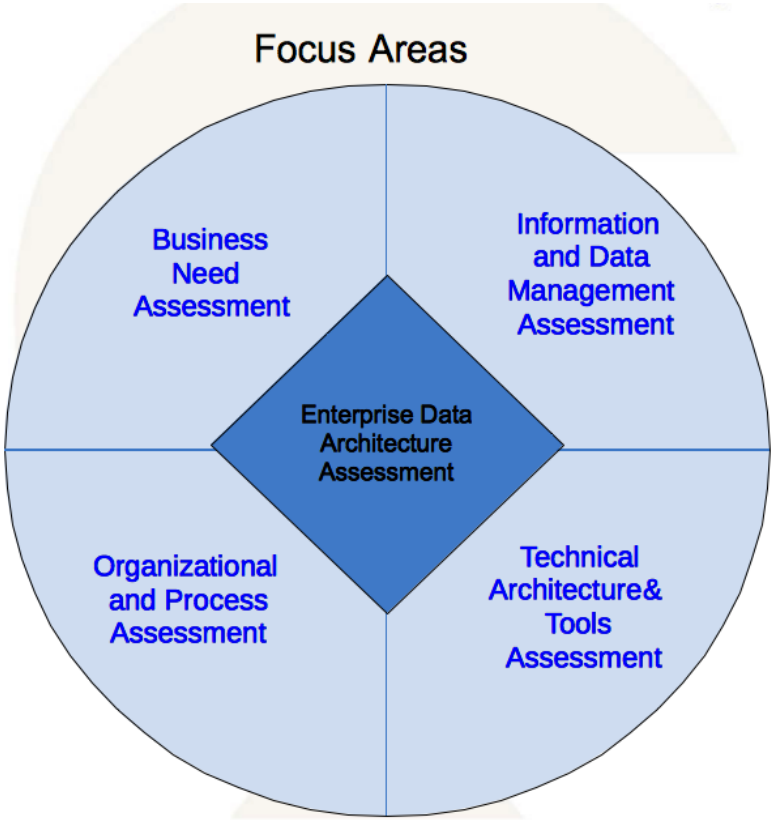
Interfederation

edugain: reaching out for the globe



Enterprise Architecture Assesment

based on The Open Group Architecture Framework



EA Assessment Based on TOGAF ADM

Graph courtesy of Rajesh Sinha from Fulcrum <http://www.fulcrumww.com/>

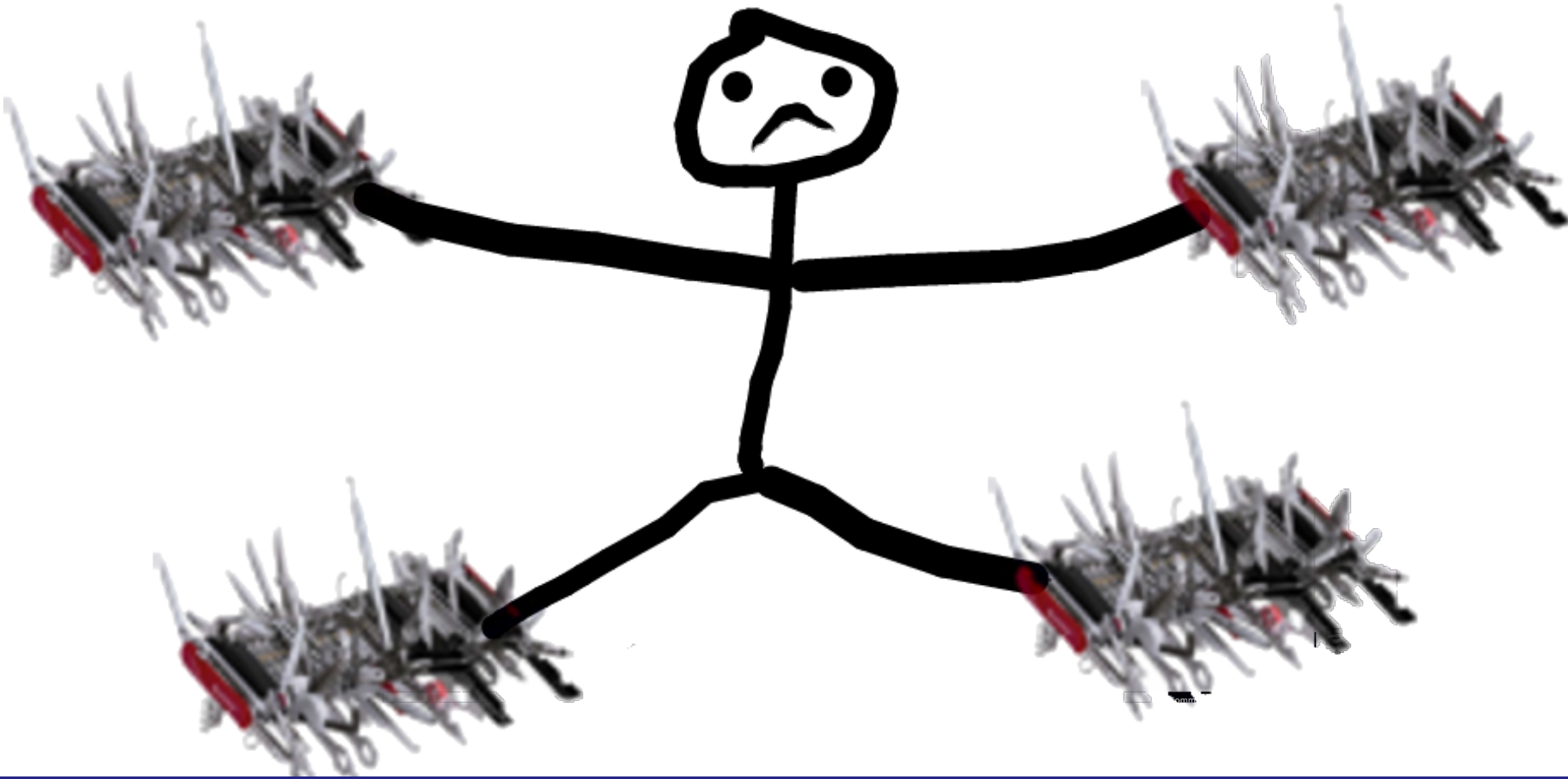
SSEDIC Programme Partner

The greedy application

a monster that wants to all to everyone

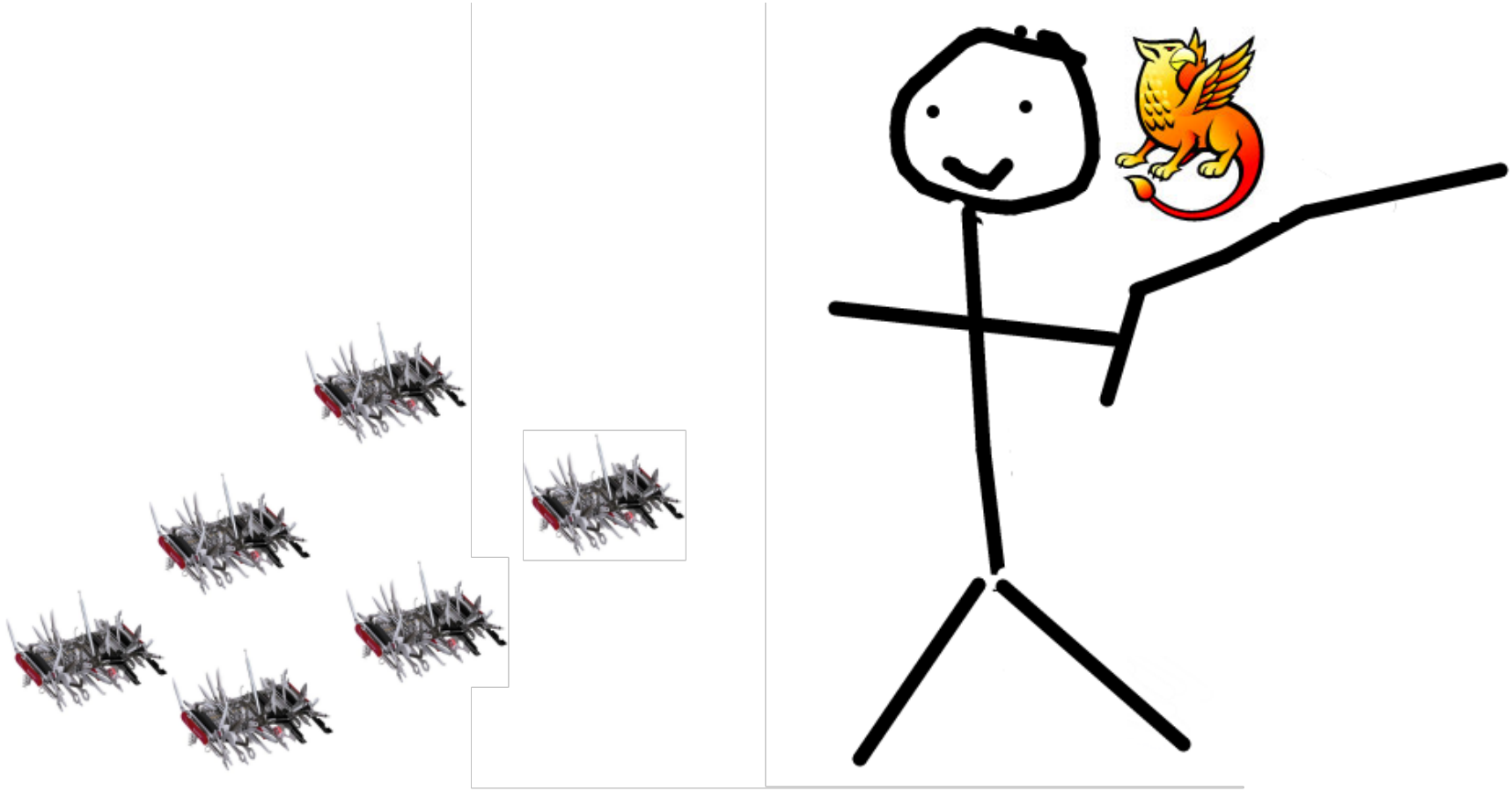
The greedy application

a monster that wants to all to everyone



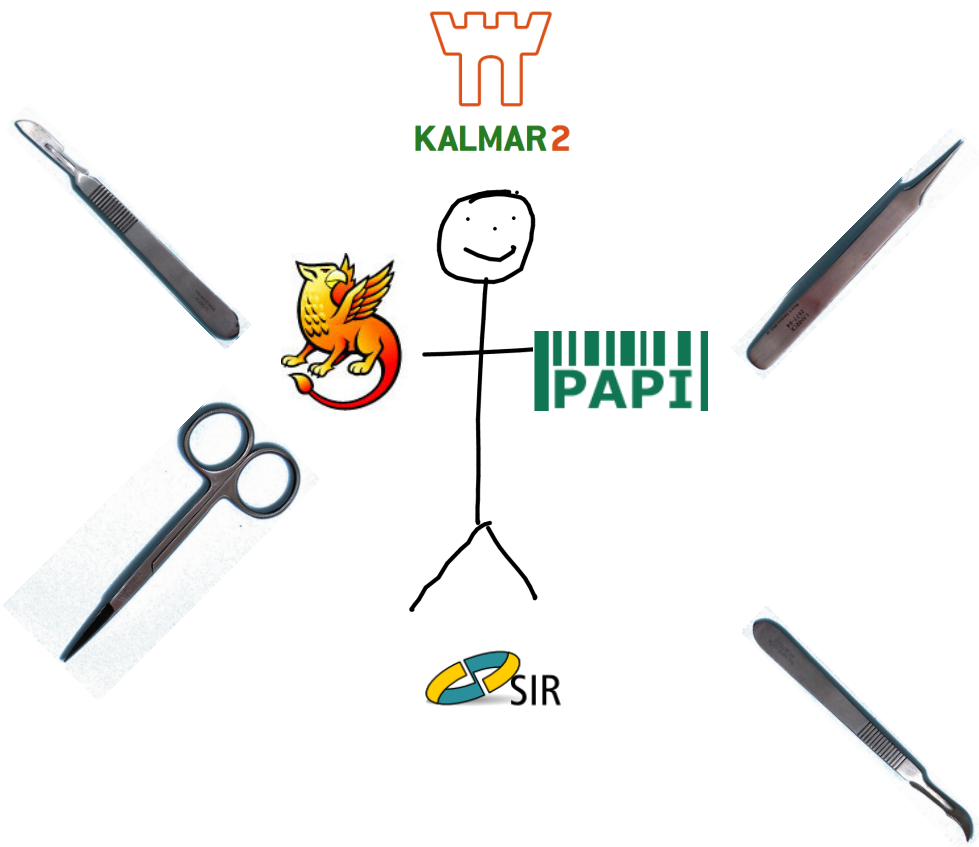
Put applications on a slimming diet

the process of domesticating applications with the help of IdM



Put applications in a slimming diet

real slimming only happens with the help of surgery



Scoping the Single European Digital Identity Community

SSEDIC Programme Partner

UNIVERSIDAD DE MÁLAGA

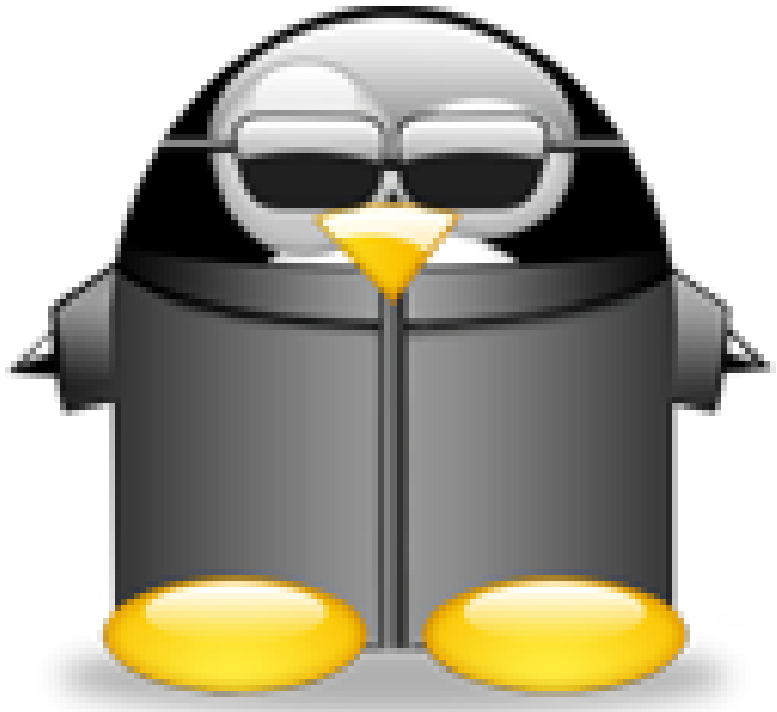
Once slimmed

slicing is easy and ready to use and combine

GNU FDL <http://commons.wikimedia.org/wiki/File:Prosciutto_di_Parma.jpg>

Identity

finishing touch for the our dish



Show off time

let’s try the live demos

Dank u!

SSEDIC Programme Partner

UNIVERSIDAD DE MÁLAGA

Dank u!

Questions?

answers not assured

SSEDIC Programme Partner

UNIVERSIDAD DE MÁLAGA