Erasmus Without Papers

from a low level technical view

Victoriano Giralt

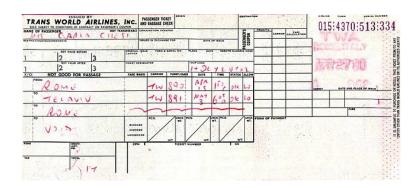
Central ICT Services University of Málaga

TERENA TF-EMC²
Outreach Activity

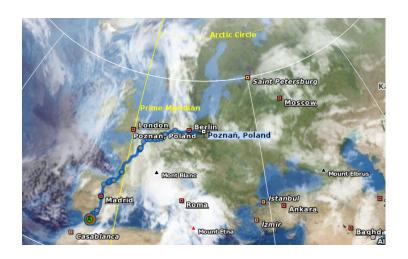
Chair person of the Groningen Declaration Executive Committee

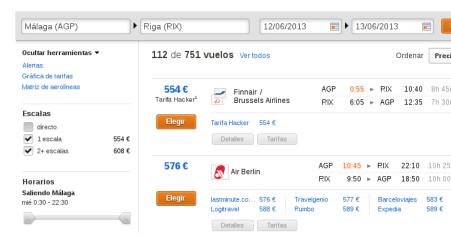
> EUNIS 2013 Riga June 10th, 2013



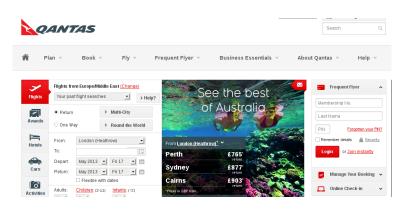


Flying without papers





http://es.bestfares.amadeus.net/



http://www.quantas.com.au/



http://commons.wikimedia.org/wiki/File:ClientCardSample.png

You can check-in and select your seats from 24 hours up until 2 hours before your flight departure at qantas.com."



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Ensure you take your printed Boarding Pass and your Qantas Booking Reference number with you to the airport.

http://www.gantas.com.au/travel/airlines/international-online-checkin/global/en

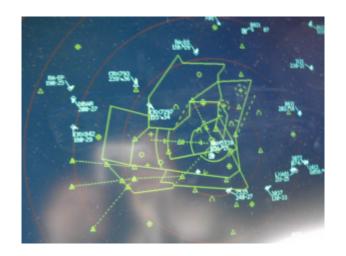




http://commons.wikimedia.org/wiki/File:Malaga_aeropuerto.jpg



http://commons.wikimedia.org/wiki/File:SR_DC3.jpg



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Standards Trust

TCP/IP BGP
SMTP HTTP IMAP XMPP
X.509 TLS SAML OAuth OpenID
SOAP XML ReST JSON
PDF ODF SCHAC
MLO ELM ELMO



http://www.eid-stork.eu/



http://www.edugain.org/



The future of Digital Student Data Portability

http://www.groningendeclaration.org/

Trust

Behavioral trust

- person to person
- institution to institution
- person to institution
- reputation based
- supported by feelings

Trust

Technical trust

- institution to institution
- institution to network
- system to system
- procedure based
- supported by technology

The three laws of crypto

- Confidentiality
- Integrity
- Non repudiation

Actors



Actors

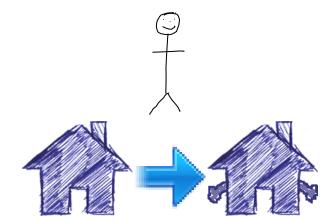


Home Institution

Actors

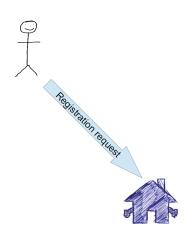


Receiving Institution



student wants to go from home to receiving institution



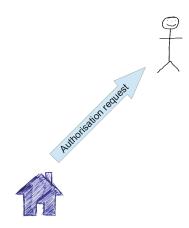




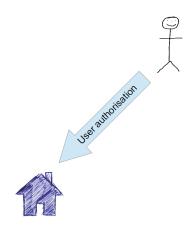


Student data request

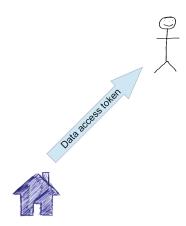






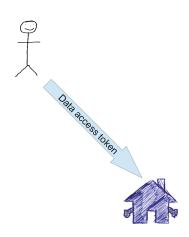
















Data access token

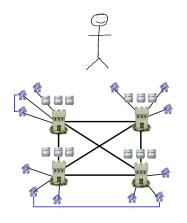






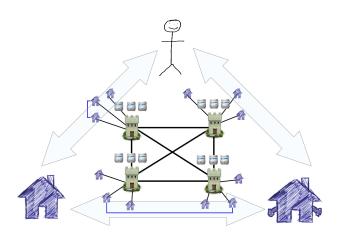
Student data transfer











Erasmus without papers

Erasmus without papers?

Remember

Remember

All your documents are born digital

Tom Black @stanford.edu

Thank you









Thank you

Questions?

answers not assured







