Erasmus Without Papers

from a low level technical view

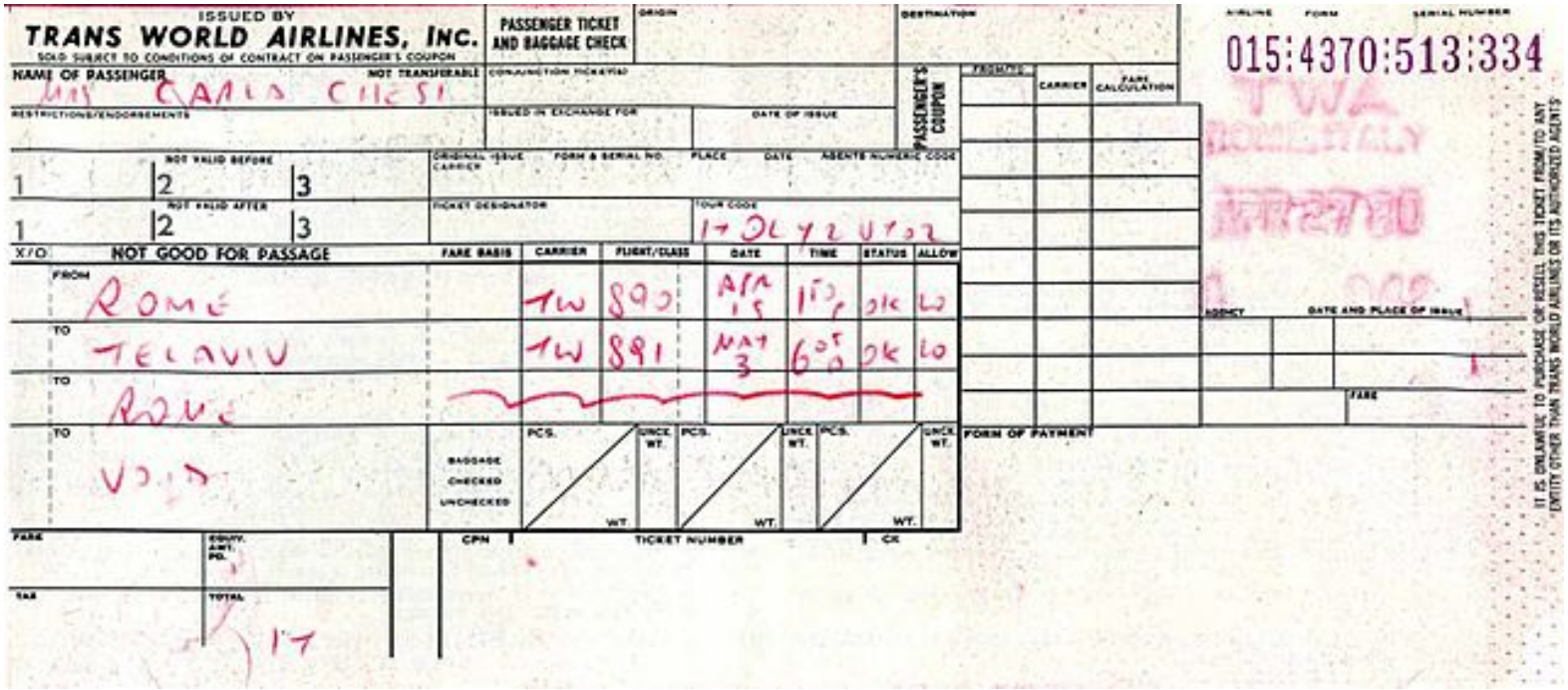
Victoriano Giralt

Chair person of the Groningen Declaration
Executive Committee

Central ICT Services
University of Málaga

ERACON
Poznań
May 16th, 2013

GIRALTGARCIA/V
IB8456,03FEB,N,18C,007



ISSUED BY
TRANS WORLD AIRLINES, INC.
SOLD SUBJECT TO CONDITIONS OF CONTRACT ON PASSENGER'S COUPON

PASSENGER TICKET AND BAGGAGE CHECK

ORIGIN

DESTINATION

015 4370 513 334

NAME OF PASSENGER Mrs CARLA CILESI

NOT TRANSFERABLE

RESTRICTIONS/ENDORSEMENTS

ISSUED IN EXCHANGE FOR

DATE OF ISSUE

PASSENGER'S COUPON

FROM TO CARRIER FARE CALCULATION

1 NOT VALID BEFORE 2 3

1 NOT VALID AFTER 2 3

ORIGINAL ISSUE CARRIER FORM & SERIAL NO. PLACE DATE AGENT'S NUMERIC CODE

TICKET DESIGNATION

TOUR CODE IT OL Y2 U702

X/O NOT GOOD FOR PASSAGE

	FARE BASIS	CARRIER	FLIGHT/CLASS	DATE	TIME	STATUS	ALLOW
FROM ROME		TW	890	APR 15	1150	OK	40
TO TELAVIV		TW	891	MAY 3	600A	OK	40
TO ROME							
TO VOID							

BAGGAGE CHECKED UNCHECKED

PCS. WT. UNCK. WT. PCS. WT. UNCK. WT. PCS. WT. UNCK. WT.

FARE EQUIV. AMT. PD.

TAX TOTAL 17

CPN TICKET NUMBER CK

AGENCY DATE AND PLACE OF ISSUE

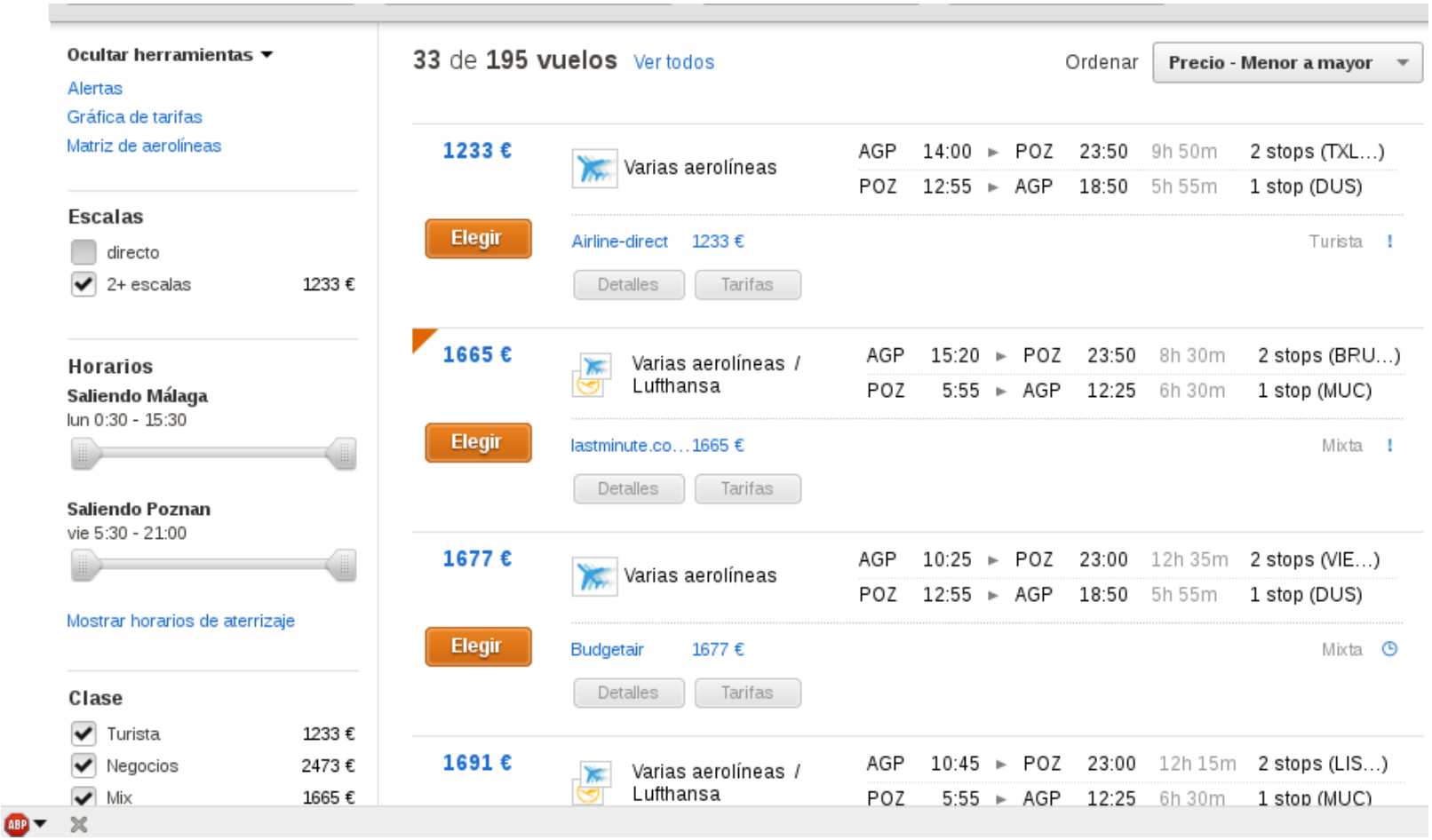
FARE

FORM OF PAYMENT

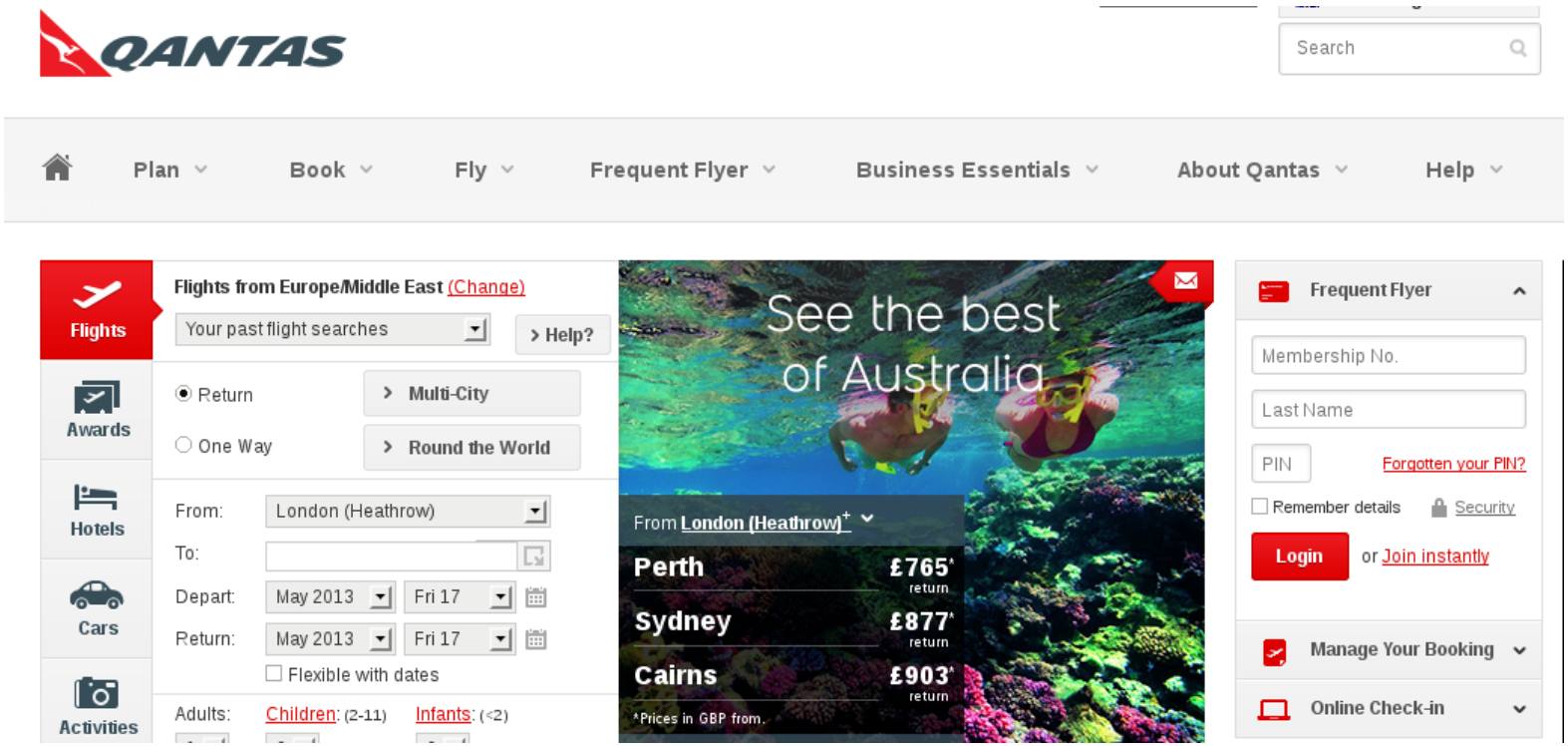
IT IS UNLAWFUL TO PURCHASE OR RESELL THIS TICKET FROM/TO ANY ENTITY OTHER THAN TRANS WORLD AIRLINES OR ITS AUTHORIZED AGENTS

Flying without papers

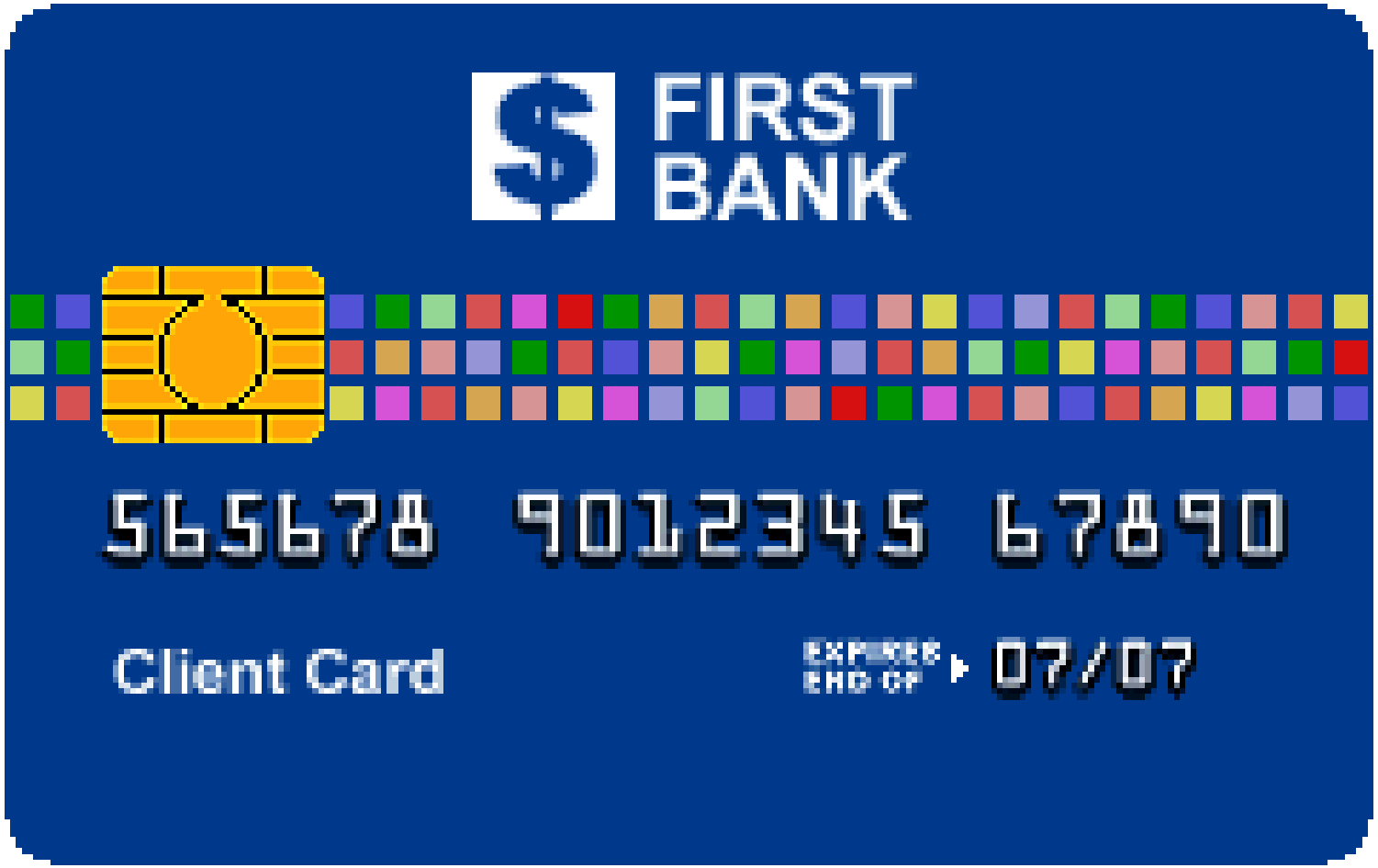
Arctic Circle
Saint Petersburg
Moscow
Prime Meridian
London
Berlin
Poznań, Poland
Poznań, Poland
Mont Blanc
Mount Elbrus
Madrid
Roma
Istanbul
Ankara
Izmir
Mount Etna
Casablanca



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.*

Online Check-in

1. Retrieve your booking through Manage Your Booking or Your Bookings, if you're a Qantas Frequent Flyer.
2. Click on the 'Online Check-in' button then follow 5 easy steps:

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

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

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

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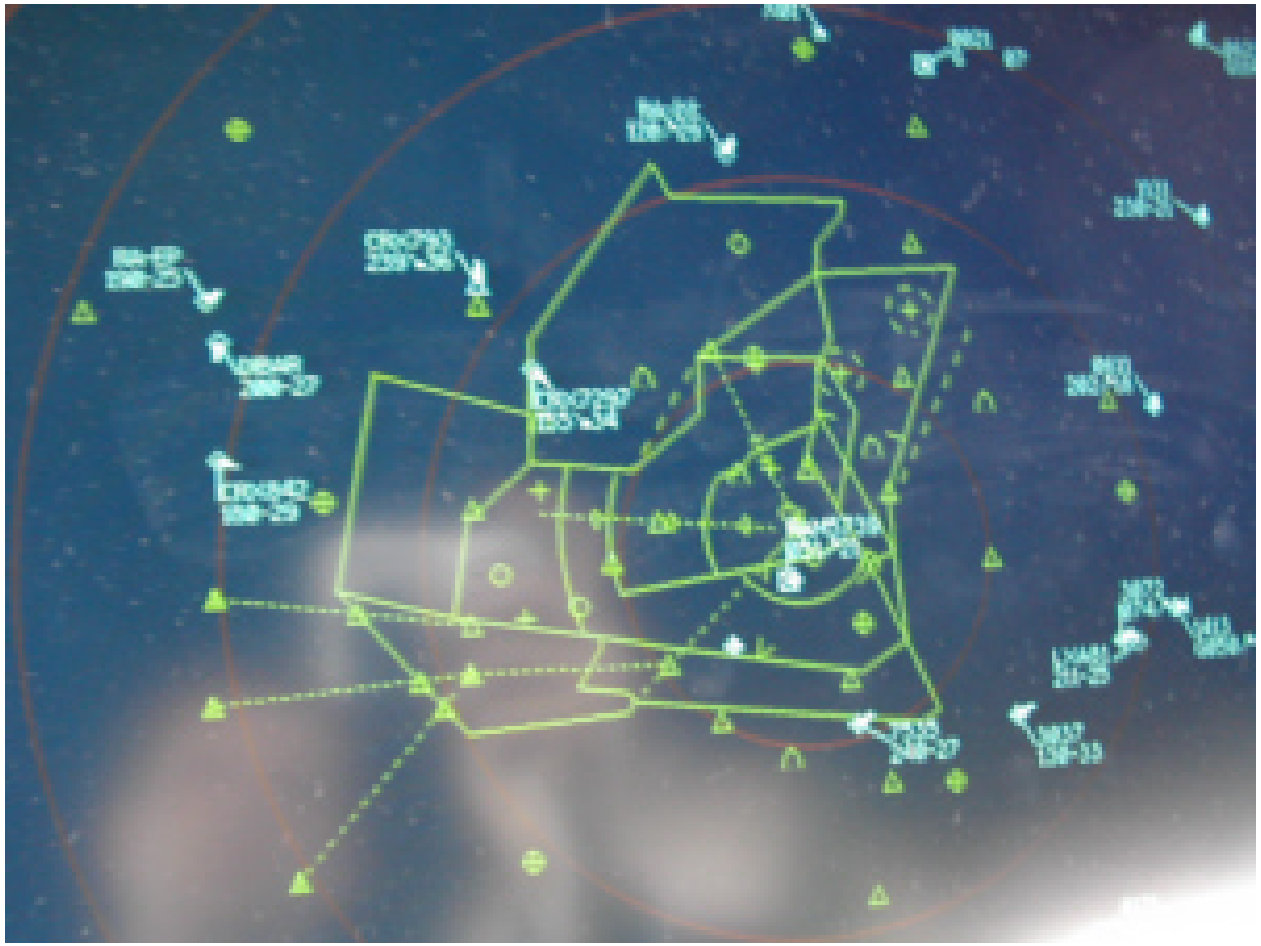

http://commons.wikimedia.org/wiki/File:ATC_approach_radar_screen.jpg

http://commons.wikimedia.org/wiki/File:Port_Lotniczy_%C5%81awica_RB2.JPG

Standards
Trust

Standards

TCP/IP BGP

SMTP HTTP IMAP XMPP

X.509 TLS SAML OAuth OpenID

SOAP XML ReST JSON

PDF ODF SCHAC

MLO ELM ELMO

Standards

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

Standards

http://www.edugain.org/

Standards

The future of Digital Student Data Portability

http://www.groningendeclaration.org/

Behavioral trust

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

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Technical trust

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

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The three laws of crypto

- Confidentiality
- Integrity
- Non repudiation

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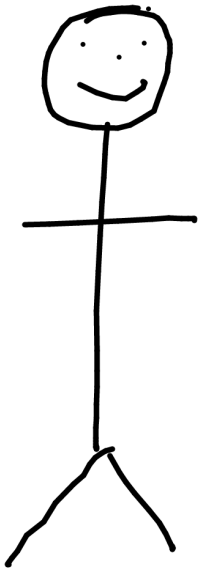
Actors



Student

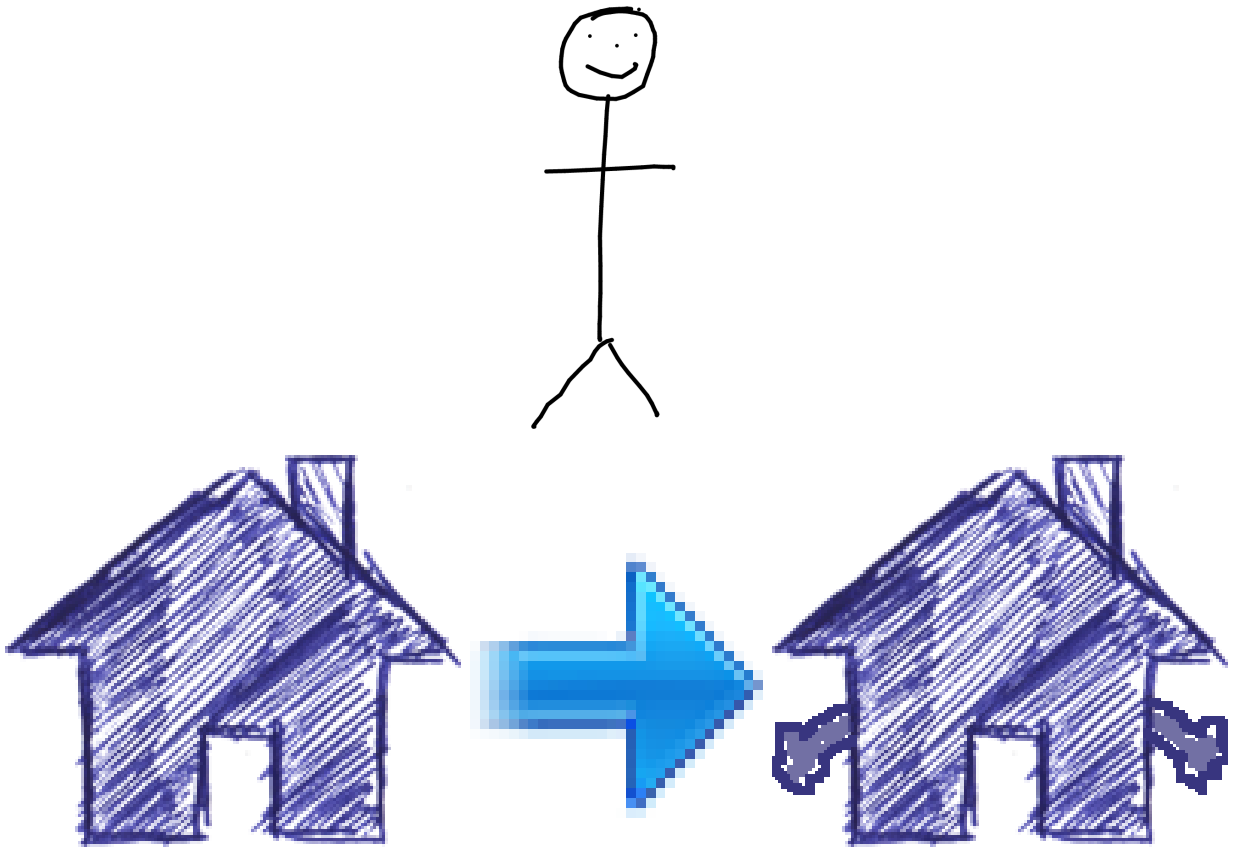
Actors

Home Institution

Actors

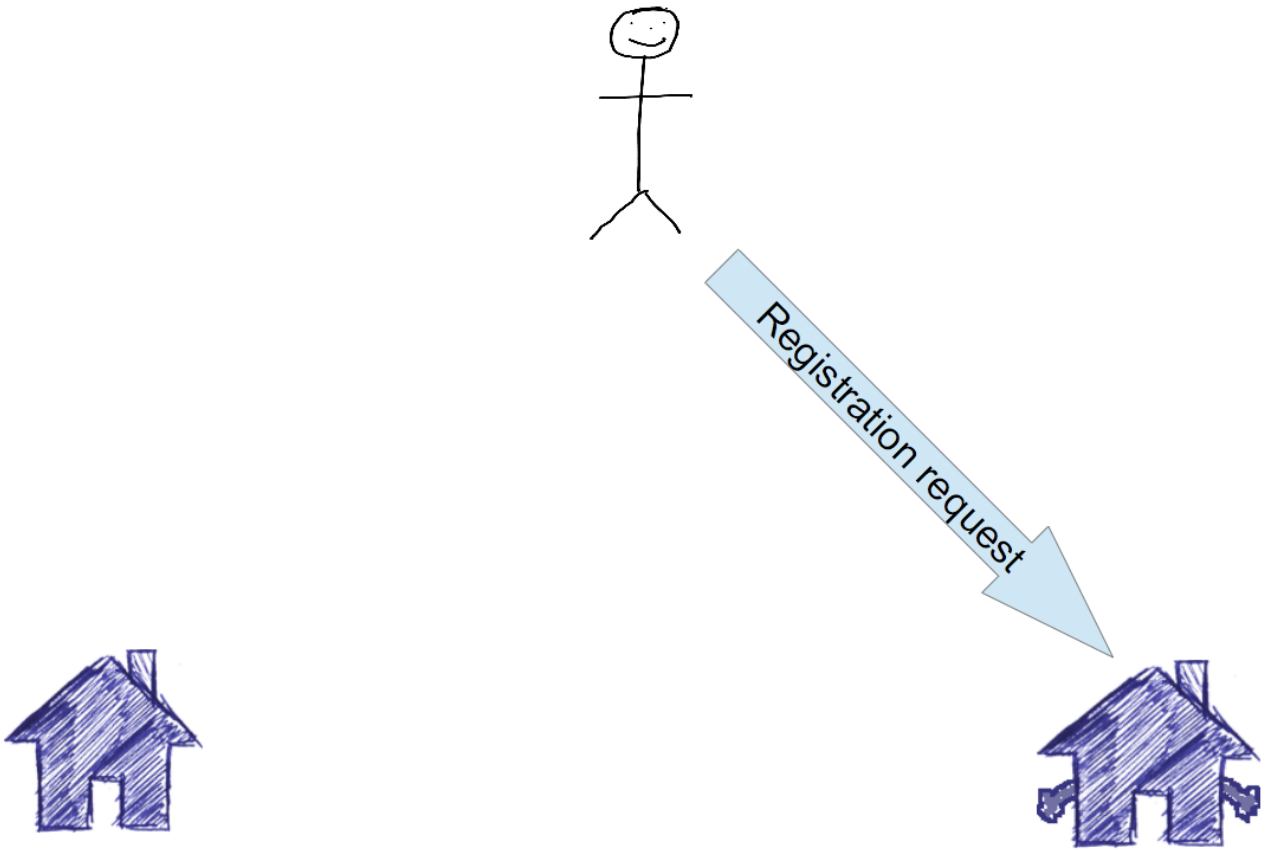
Receiving Institution

Plot



student wants to go from home to receiving institution

Plot



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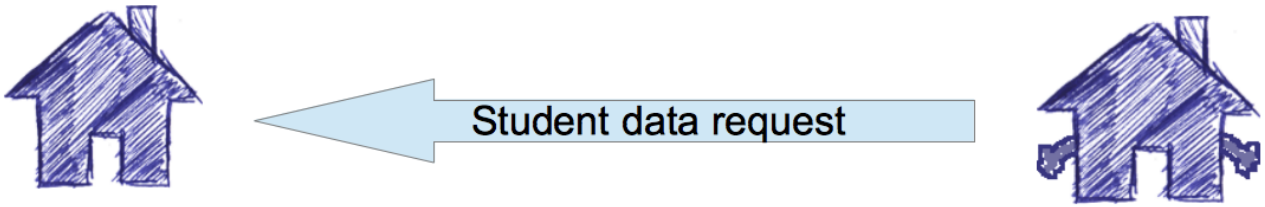

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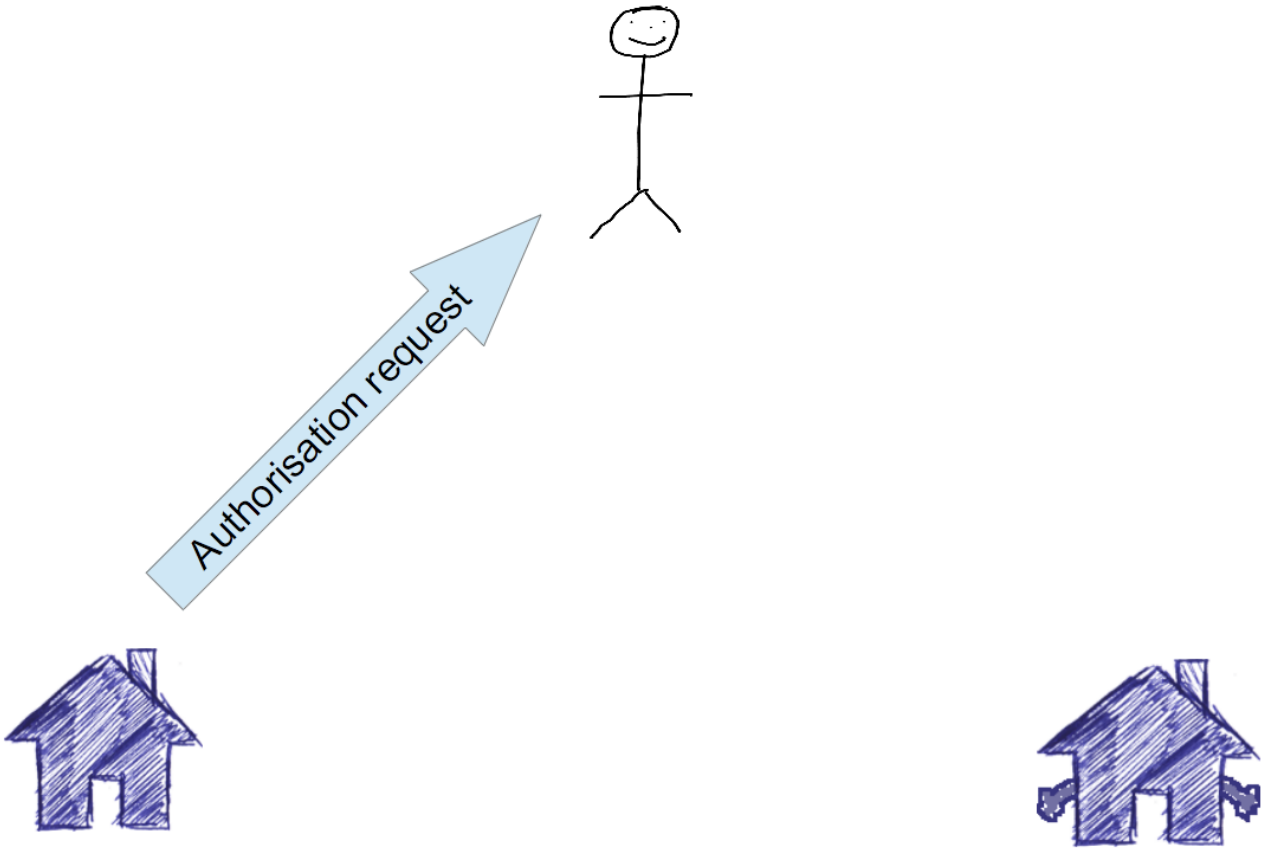

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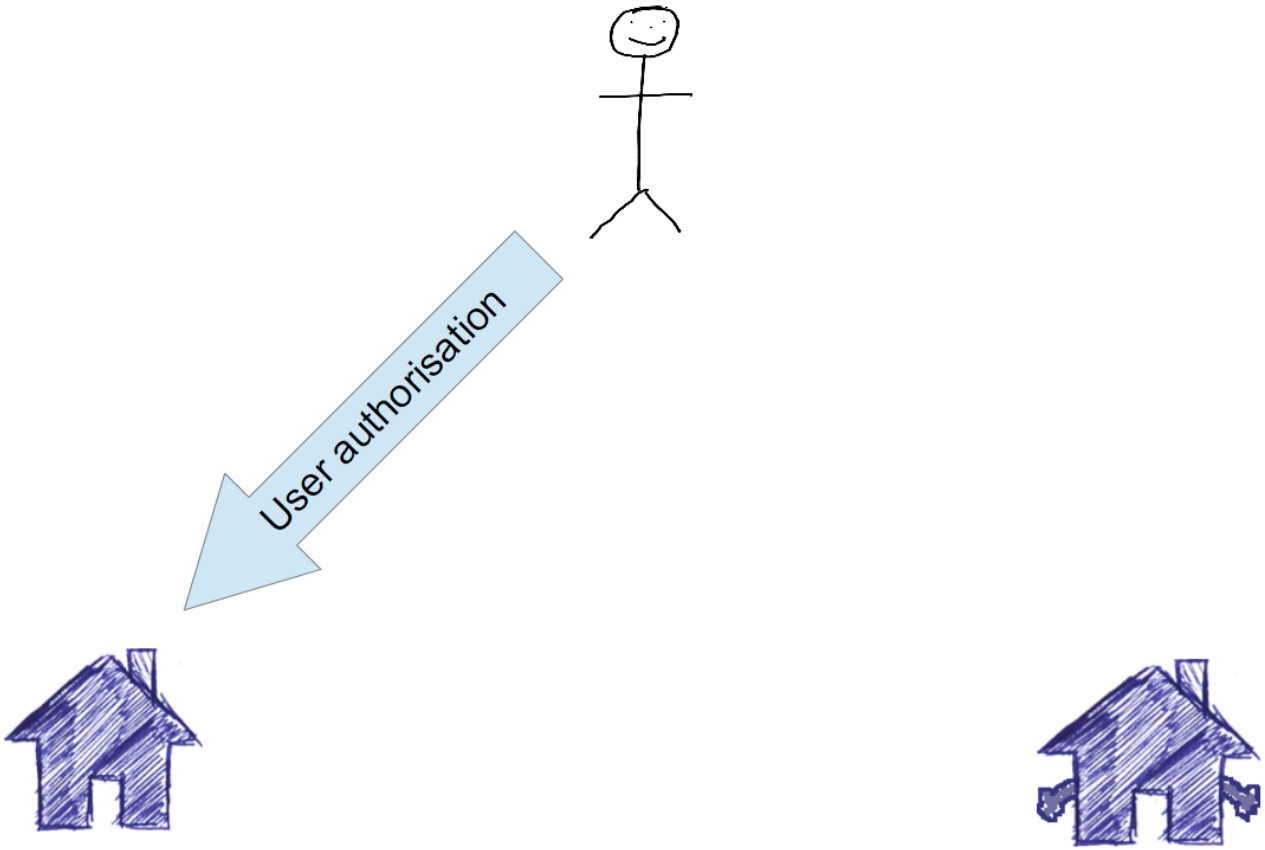

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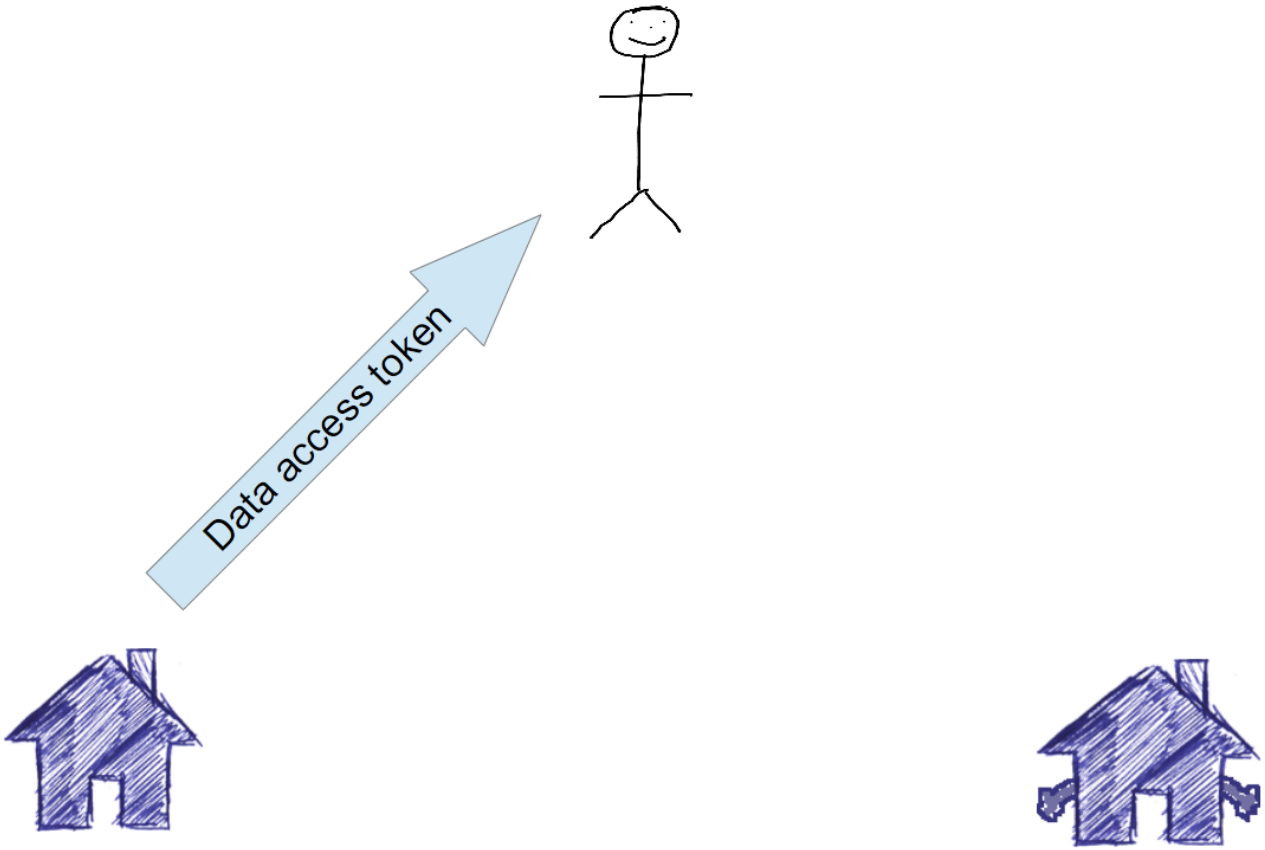

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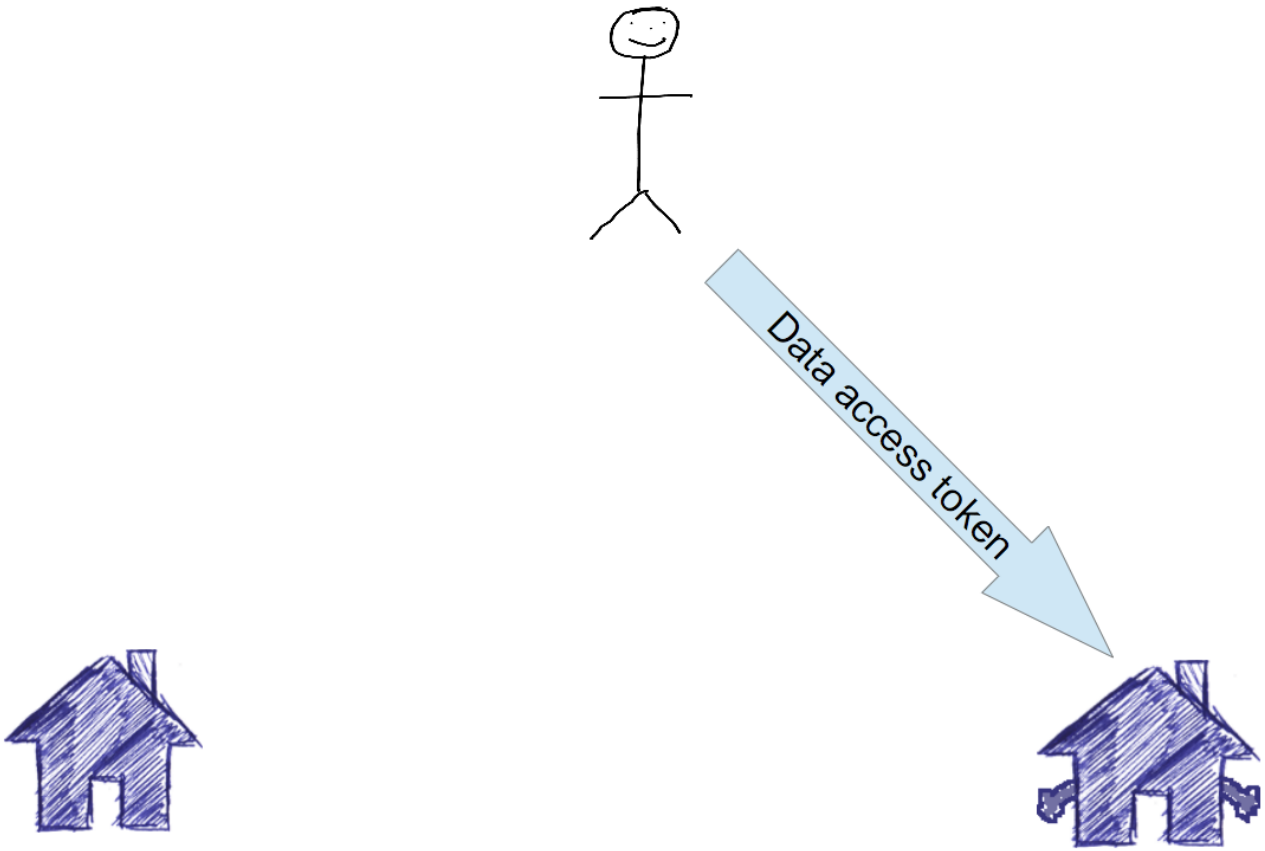

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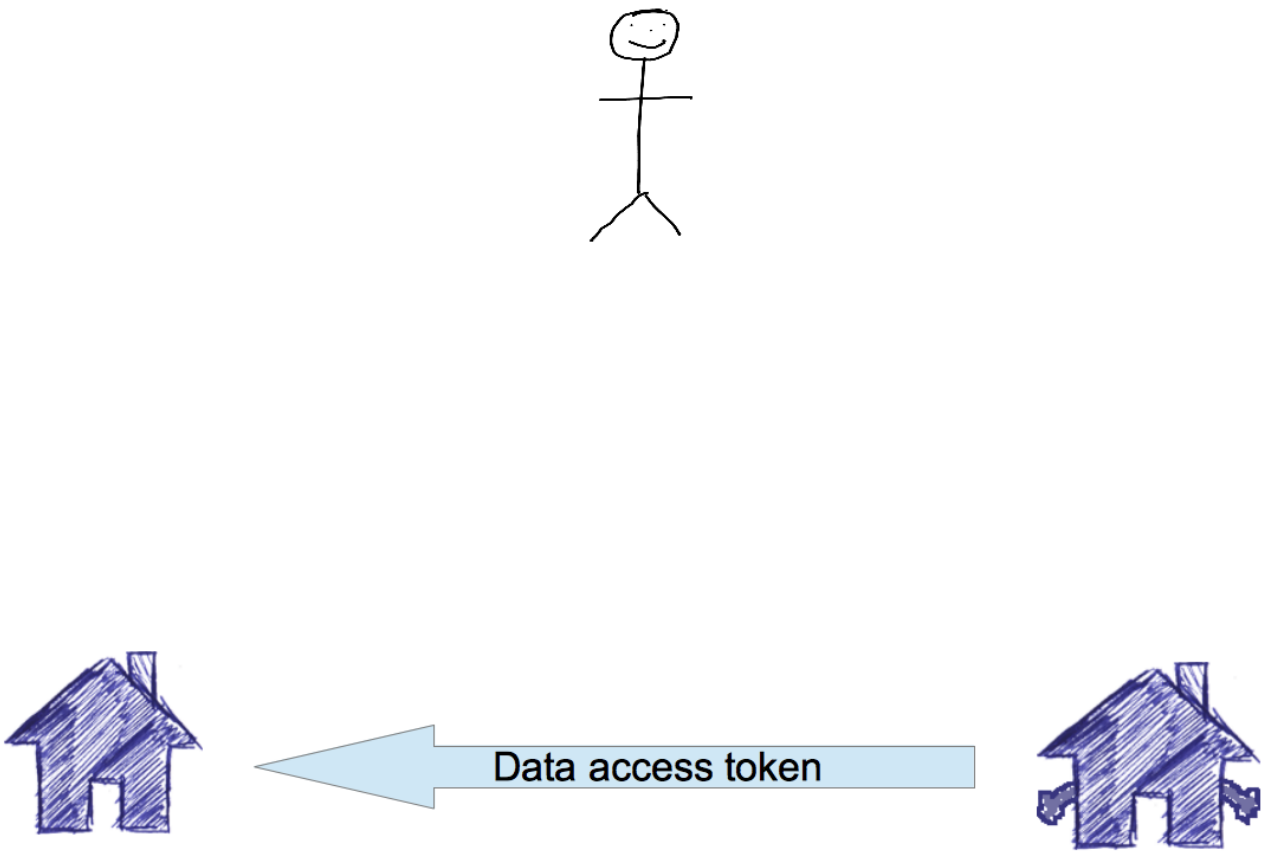

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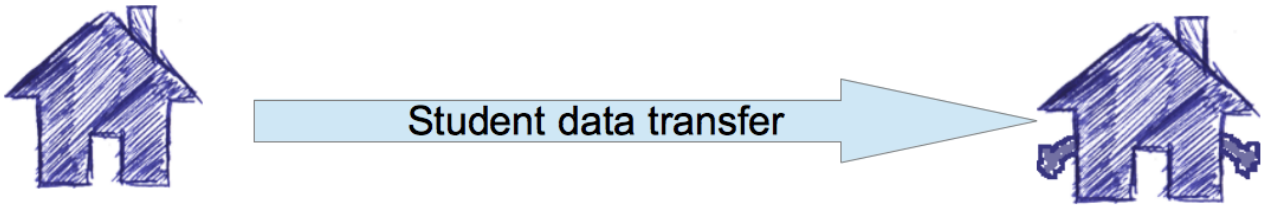

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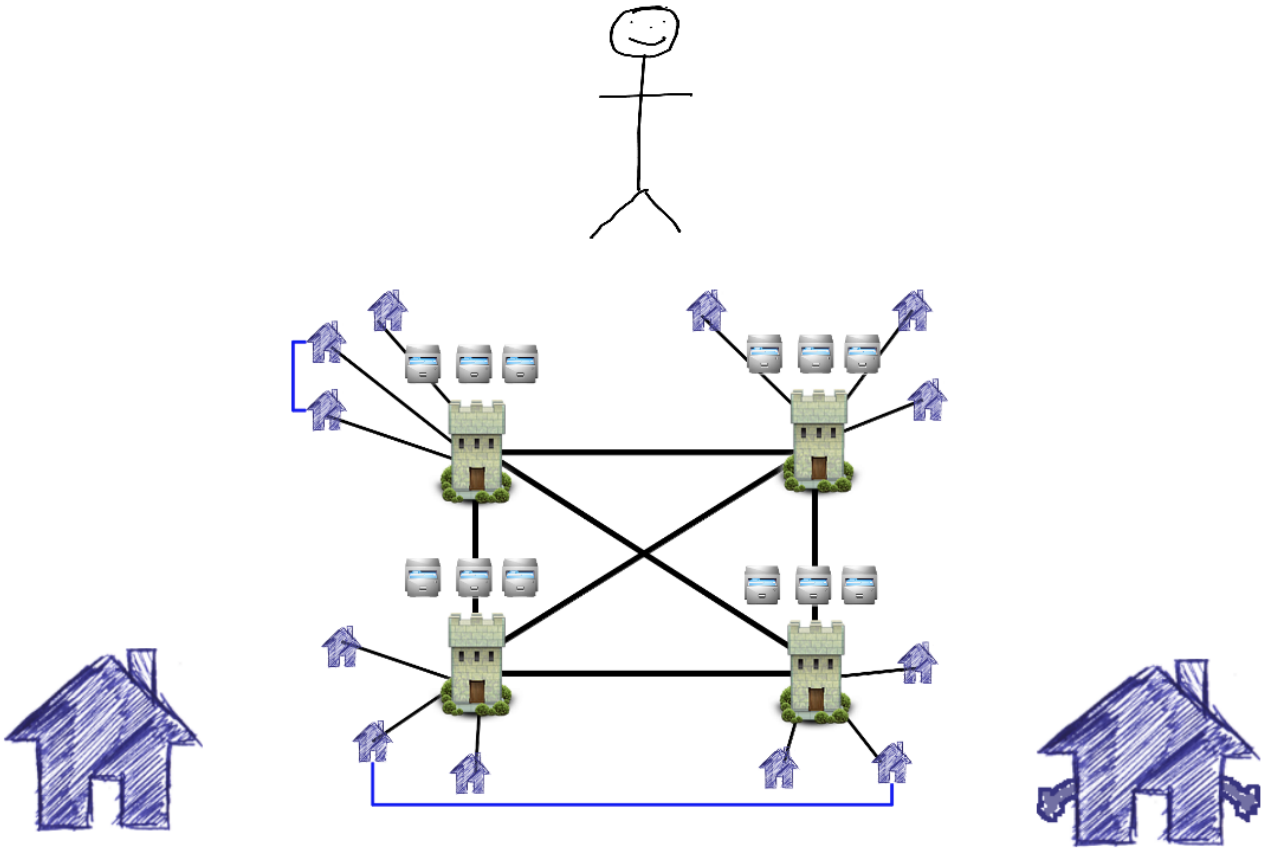

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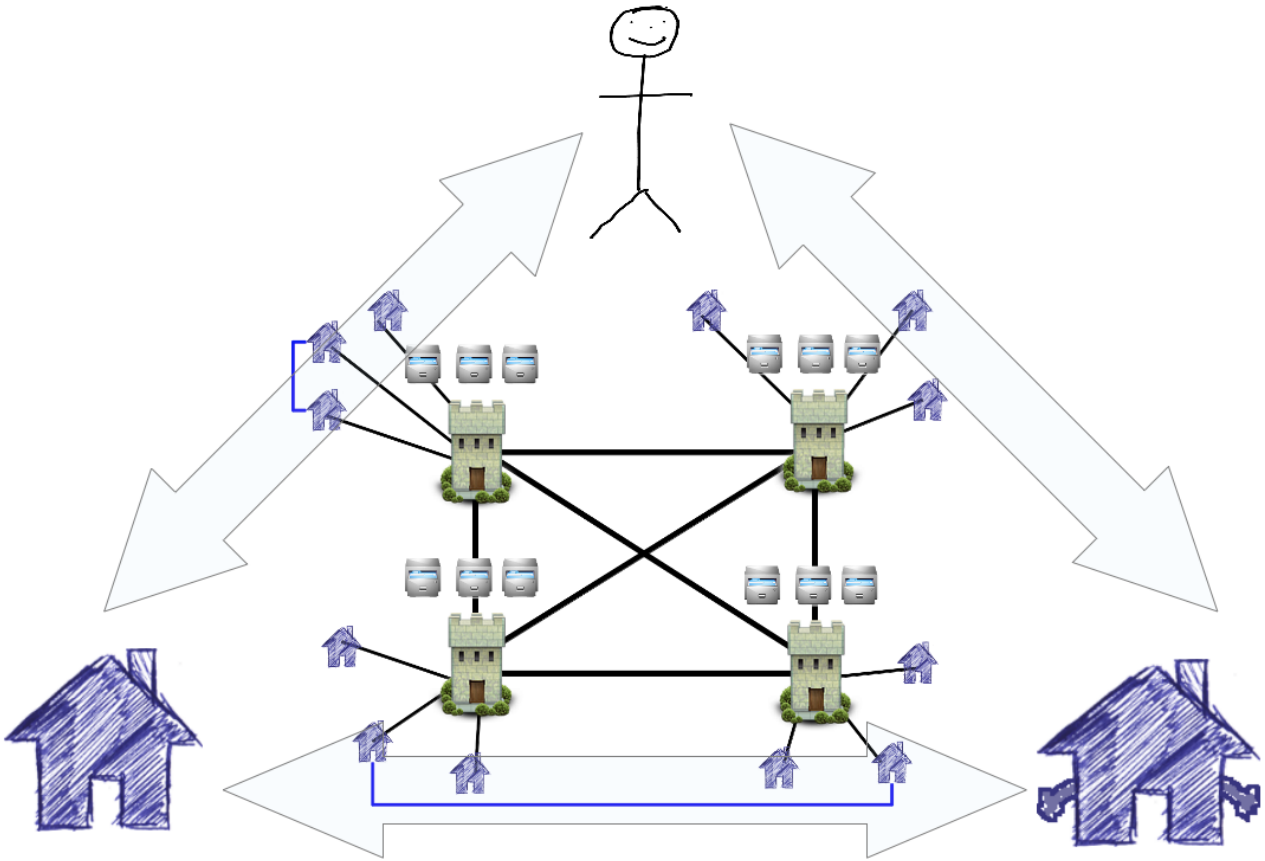

Erasmus without papers

Erasmus without papers?

Remember

Remember

All your documents are born digital

Tom Black @stanford.edu

Thank you

SSEDIC Programme Partner

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Thank you

Questions?

answers not assured

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