Bring the WLCG federation Home

Extending your trust options beyond bottom-up identity by collaborating with global Research and Scholarship

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With support from the Authentication and Authorization for Research and Collaboration project

AARC

Trust Anchor Distribution evolution supported by EGI ENGAGE

egi

FOM

pdp

Nikhef

You all remember the bad old days …

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And now we have this!

TCS eScience Portal

eduGAIN

okeanos GLOBAL

CILogon Service

WLCG FIM4R pilot

IGTF
Interoperable Global Trust Federation
AP|EU|TAG

background: eduGAIN connected federations as of November 2014 – Brooke Schofield, TERENA

Evolution of Trust – from 1995 to 2020?

1. **Every institute trusts only its own database**
   - you can trace everyone, but you get to manage all the accounts
   - passwords are all over **-** *and users pick the same everywhere*

2. **Distributed global trust – independent third parties**
   - identification and identity vetting by CAs, a limited number
     but accessible to all users everywhere on their own inititiative

3. **Easing trust building – mixing assurance from different places**
   - extend identification by *also* leveraging your home organisation

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Evolving for 2020!
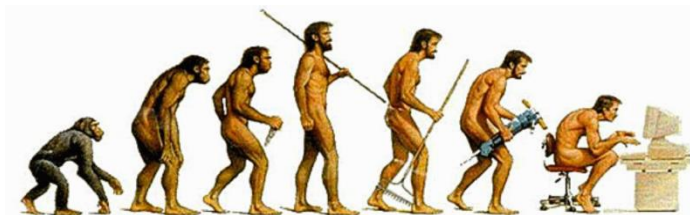
4. Getting to distributed global trust
   for open innovation, open science, open to the world

   ◦ how far can we push federated authentication?

   ◦ A single account for all your services, single sign-on for everything: from data analysis to wikis, and from file sending, and date picking to expense claims
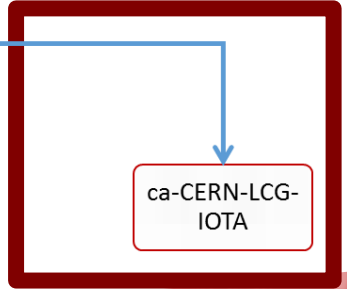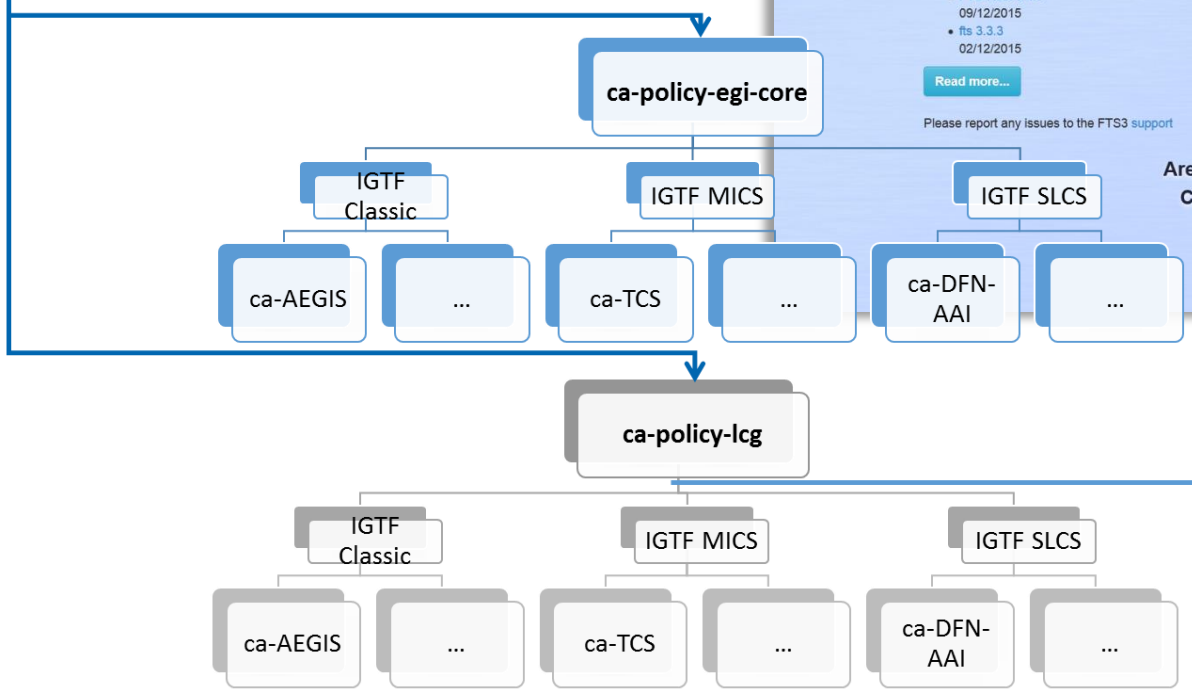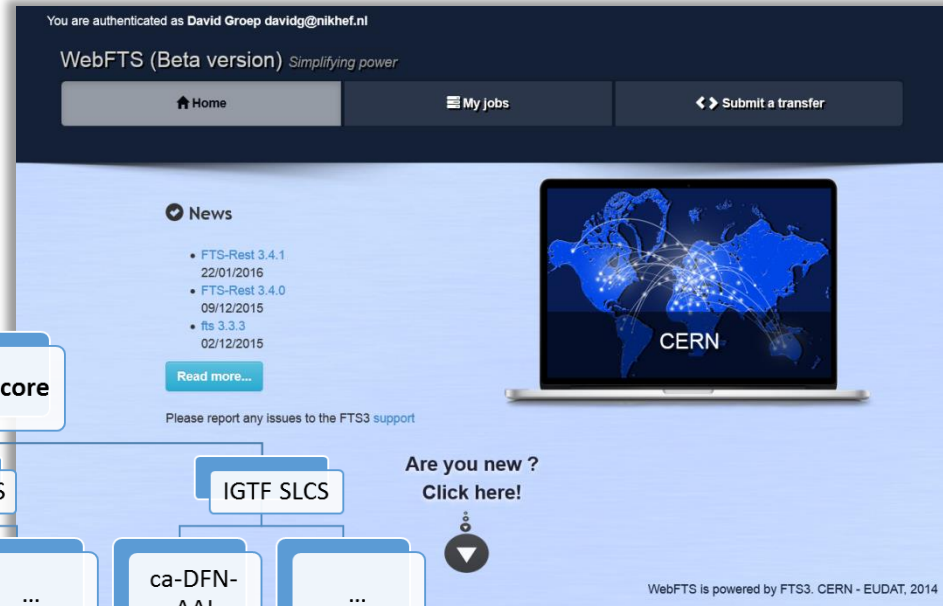
But … institutions vary a lot

- is your home university ready to identify you to the world?

- does it even want to tell WLCG who you are?

- ready to help you already today? Or does it need work?

- is it ready to help the others, sites and operators,
  in case of incidents?

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#1: Leverage the CERN User Office

Your trusty CA distribution as of next month:
now with the CERN LCG IOTA CA
supporting the WebFTS pilot

'lcg-CA'
or explicit configuration

ca-policy-egi-core

IGTF Classic

IGTF MICS

IGTF SLCS

ca-AEGIS | ... | ca-TCS | ... | ca-DFN-AAI | ...

ca-policy-lcg

IGTF Classic

IGTF MICS

IGTF SLCS

ca-AEGIS | ... | ca-TCS | ... | ca-DFN-AAI | ...

ca-CERN-LCG-IOTA

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You are authenticated as **David Groep davidg@nikhef.nl**

WebFTS (Beta version) *Simplifying power*

🏠 Home   ≣ My jobs   <> Submit a transfer

⊘ News

- FTS-Rest 3.4.1
  22/01/2016
- FTS-Rest 3.4.0
  09/12/2015
- fts 3.3.3
  02/12/2015

Read more...

Please report any issues to the FTS3 support

Are you new ?
Click here!

CERN

WebFTS is powered by FTS3. CERN - EUDAT, 2014

https://webfts.cern.ch

More than a pilot – a new way of life!

wLCG leverages major open science infrastructures

- it must work alongside more dynamic communities on the same infrastructure **without** separating services

- besides the 'CERN LCG IOTA CA' there will be more generic identity providers from all over the world

- services must be able to trust *just-a-unique-name* CAs for *only highly-managed* VOs like LCG, but *not* for other VOs
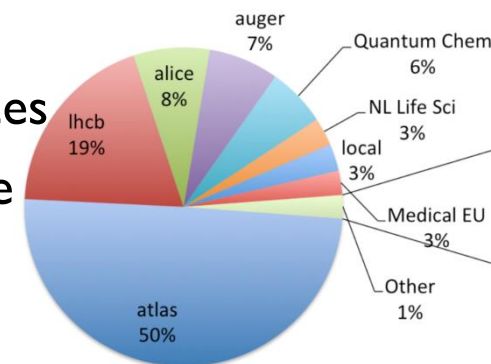
This needs a decision in software – on CA+VO combination

- this software is getting there for many areas

- you all should encourage software providers to implement

- and deploy such new software in production ASAP

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Open Science, Open to the World? Ready?

Old innovations now just seem a given: think of eduroam™

On the way…it may be bumpy!

- Federated access means you'll *rely on your institute a lot more*

- Some things become easier (web) others more complicated (CLI)

- Meanwhile, there'll be lot of bridging and new things to learn

CAUTION ROUGH ROAD

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But: aligning with the world will bring usability benefits, and enable scenarios that
for next years' students will be their 'natural habitat'!

But What Should I Do??

1. **Ask your home organisation to join or opt-in to eduGAIN**
   still no federation? In an eduGAIN country? Ask your local IT to join the national federation, or set up identity management!

2. **Ask them to release attributes**
   there's a basic set that is needed, called "Research and Scholarship" they should join that scheme

3. **Ask them to collaborate in incident response**
   and tell us so by joining the SirTFi programme – it's self-asserted, and we will trust them if they say so – but it means that sites and response teams know they're able to act OK