Identity Management Services

20201202

UK e-Science CA & RCauth

- IGTF members (CEDAR and DOGWOOD, respectively)
- UK eScience
  - 637 personal certificates (down slightly from ~800)
  - 2055 (up muchly from ~1000)
- RCauth online CA set up by EOSC Hub

Good and bad

- Some workflows could do with improvements (I hear understatements are funny)
  - Multi-SAN renewals
  - Robot certificates processes (we have 10-15)
  - CRL redundancy
- Several important activities neglected for lack of effort
  - SHA2 rollover – easy(ish) for CA, hard for RPs
  - BC/DR and ROBAB – hard for CA, easy for RPs
  - Docs are in different places
  - CPS bugfixes
- Apart from general usability issues
  - Browsers and OpenSSL command line make certificates hard for users
- RCauth could potentially reduce the personal certificates load on UKeScCA

UKAMF

- Still need STFC policy (need writeup and R&S debugging)
- Closely related Shibboleth and ADFS
- UKAMF well established federation
  - Every university has an IdP
  - Only orgs without IdPs are CCFE, DLS, and some RCs (eg ESRC)
- JISC participates in GEANT
- Supertankers are nimble compared with Shib federations
  - Need R&S – R&S is now widely used but not universal
  - Need SIRTFI – SIRTFI is widely used
  - Need RAF

Other relevant services

- Umbrella
  - STFC's service turned off – was never a full production service
- Fed id and CDR
  - User offices can enter people into these
  - DLS have an "IAM" activity now as well
- ORCID
- Assent (using Umbrella technology)
  - Assent will be shut down this month
  - Software will still be supported at the moment
  - Pretty much killed off by the requirement to install client-side code
- JISC's CA
  - Sectigo or QuoVadis or whatever it is called these days

Opportunities

- We now have O(1wk) technical UKeScCA ops meetings

- And weekly RCauth ops meetings

- Should resurrect the UK PMA? At least SHA2

- RCauth or UKAMF (with R&S) takes over personal certs
  - Cf Pathfinder project
  - Or moving towards no client certs