

NGS Surgery, 2010/1/27 (RA/CA changes)

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Reason for change

- outgrown old software
- browser support can be problematic
 - especially I.E. on Vista, Window 7
 - will this be a long term issue
 - firefox import issues
- balance not right computer:human

Modernisation

- requirement must remain accredited
- Split 5 areas include
 - soft dev
 - new courses including online
 - operation
 - auditing
 - support
 - Policy
 - tools
 - new wizard to hide complexity
- java web start
 - some issues with java tooling
 - potential java issues?
 - gcj? to get rid of java issues?
 - Versions of java
- simplify application process
 - remain
 - face-to-face element
 - users need to create own private keys
 - browser legacy support will remain
- usability concerns
 - need to install java
- Two versions
 - Getting certificate
 - Managing certificate
 - One program with two skins
 - or... more task oriented
 - combine with MyProxy uploader?
- self audit
- time scale 1 year
- server/host certs
 - separate tool
 - command line
 - perl tool exists
 - PECR
- effort
 - one person
 - but saving in support tickets of at least this
 - savings in local support effort
- process
 - UML diagrams etc
 - requirements engineering
 - Matteo to aid with this 1 week of effort?
 - users
 - OERC
 - RAL
 - with users?
 - Mock up workflow?
 - separation of layers
 - API and/or protocol allows new clients
 - server
 - client
 - RESTful

Big Questions

- CRL for SARONGS?
- Is a CA worth it
 - Could CA be outsourced?
 - browser issue would remain
 - shibboleth auth to access CA?
 - SARONGS e.g. Will not be accepted worldwide, so is not a full replacement
- Server versus personal certs
 - Need to have server certs
 - but done by sysadmins
- Scalability of existing CA
 - SARONGS will help scalability
 - Order of magnitude improvement via better tooling on existing
- effort required for this
 - does NGS have enough effort to expend on the modernisation