GSI in ARC

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- **Dependent components/modules**
  - GridFTP based Storage Service
    - Opt for HTTPS based
  - GridFTP based Computing Element
    - Being replaced by HTTPS+WS BES-like
    - Delegation over WS interface
  - SRM protocol (clients)
    - No real options
    - Also introducing own HTTPS+WS based Data Management Solution - *Chelonia*
  - VOMS protocols (clients)
    - Switching to pure TLS thanks to clever VOMS service

- **Credentials proxies**
  - Moving to standard proxies – OpenSSL supported
  - Still support for Globus proxies – hopefully to be removed
- **X.509 Proxies as used today are evil**
  - No effective way to limit purpose of delegation
  - Could be enhanced by introducing useful policy in proxies
    - RFC provides place for that
  - Use more flexible solution
    - SAML?