IDEL: status and plans
Status

- Charter **agreed**
- IDEL group (officially) **formed**
- We have:
  - Project area in redmine:
    - \[\text{http://redmine.ogf.org/projects/idel-wg}\]
  - Mailing list:
    - \(<\text{details go here}>\)
Charter: our deliverables

1. Document describing collected input from interested parties.


3. An experiences document describing the adoption of the protocol and profiles by various interested communities.
1. Input from interested parties
...from interested parties

- 1.a) GridSite delegation
- 1.b) Summary document
1.a) GridSite Delegation

- Multiple implementations exist
- Existing documentation is not ideal:
  - documents implementation decisions.
- Provide authoritative OGF document
  - Try to engage the original authors,
  - Existing documentation isn't bad, so task shouldn't take too long.
1.b) Summary document

- Capture experience from **different delegation protocols**:
  - Provide a “review article”-style document,
  - Survey of existing delegation systems (that we know of)
- Provide **summary information** of existing solns:
  - How they work (overview, referring to existing documentation)
  - What are the experiences (good and bad)
  - Provide a consistent level of information across the document
- Provide **background information** for IDEL protocol
  - Design decisions of IDEL procotol based on information in this document
2. Protocol for achieving identity delegation
Protocol for delegation

• 2.a) Overall protocol
• 2.b) c) ... Specific profiles
2.a) Overall protocol desc.

- Two dimensions of variability:
  - Identity technology:
    - X.509, Kerberos, OpenID, SAML, OAuth, (BrowserID, ...)
    - How to achieve delegation in terms of interactions.
  - Transport:
    - SOAP, RESTful, GSS-style msg, (XMLRPC, ONC RPC, Corba, ...)
    - How to map abstract interaction to transport concepts.

- Includes a description of useful ancillary activity
  - Query existence and lifetime of credential,
  - How to request destruction of the credential,

- Adding another transport or identity tech. should be easy

- Reference point for specific profile documents
2.b)... Specific profiles

- Provide concrete delegation protocol
  - Choose a transport (SOAP, say)
  - Choose an ID tech. (X.509, say)
  - Profile is “delegate X.509 using SOAP with IDEL”.
- Use generic document as guidance; describes:
  - what interactions are needed for X.509 delegation
  - how interactions are handled with SOAP.
- Compare the result against existing solutions.
3. Experience document describing adoption
3. Experience document

- Must wait until the profiles have been written, implemented and adopted.
- Assign a section to each profile document, or section for each user-community?
Plan of work

- Phase 1:
  - GridSite, in parallel with:
  - Review article (GridSite, Teragrid/XSEDE, IGE/Globus, IVOA, ...)
- Phase 2: write the generic document
- Phase 3: write specific profile(s)
  - X.509 SOAP
  - X.509 RESTful
- Phase 4: provide reference implementations
- Phase 5: encourage adoption
- Phase 6: write up experiences