

Delegation Status

Ákos Frohner

- **new major version: 2.0**
 - due to incompatible WSDL changes for doc/literal support
 - functionally equivalent with 1.1
- **storage back-ends**
 - new BDB based back-end is in progress
- **gLite usage (integrated, but not yet released)**
 - FTS (Java web service and C client)
 - CREAM and ICE (Java web service and client)
 - R3.1 is the planned release of both
- **SRM**
 - intention for support in SRMv3 (maybe even in SRMv2.x)

http://www.gridsite.org/wiki/Delegation_protocol

<https://twiki.cern.ch/twiki/bin/view/EGEE/GridSiteDelegation>

Shamir's Secret Sharing Scheme

Trygve Aspelien, Ákos Frohner

- **key splitting and joining library**
 - key -> n shares
 - m of n shares -> key
- **CLI utilities (see examples)**
- **to be used with Encrypted Data Storage/Hydra**
- **EGEE (Apache2 style) license**
 - see also GPL licensed: <http://point-at-infinity.org/ssss/>

- **2 of 3 split of hexa key:**

```
$ glite-ssss-split-key -q 3 2 12345678
```

```
5f3fd551 ac4a5439 f955d312
```

```
$ glite-ssss-join-key -q 5f3fd551 NULL f955d312
```

```
12345678
```

- **2 of 3 split of a password:**

```
$ glite-ssss-split-passwd -q 3 2 secret
```

```
dcdeca6a892199fd b9c5217eaed0ce86 96ac7883d47f031e
```

```
$ glite-ssss-join-passwd -q \  
dcdeca6a892199fd NULL 96ac7883d47f031e
```

```
secret
```