



Delegation methods in EMI

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Outline

- Definition
- Consumers
- Conclusions



Delegation definition

- **Full impersonation**
 - X.509 proxy – *RFC 3820*
 - Intermediaries are anonymous
 - Acceptable by most EMI services
- **Explicit delegation**
 - SAML token
 - Trackable and limited
 - Currently in use by UNICORE only

Delegation consumers

- SRM (dCache and StoRM)
 - Currently uses GSI
 - Needs new delegation procedure due to GSI being dropped.
 - *Work in progress*

Delegation consumers (cont.)

- Execution services
 - CREAM (gLite)
 - *GridSite WS interface – 2 steps X.509 delegation wrapped into SOAP*
 - UNICORE
 - *SAML*
 - A-REX (ARC)
 - *GridSite-like WS interface – same with last step merged with job submission*

Delegation consumers (cont.)

- Execution services
 - Common Execution Service interface effort
 - Includes delegation part
 - *Work in progress*

Delegation consumers (cont.)

- Delegation services
 - GridSite from CESNET
 - *Is it service or interface?*
 - MyProxy
 - *Not EMI component but part of dependencies*
 - *Own delegation protocol*

Conclusions

- There is work going on to achieve similar functionality in different fields
- Danger of duplication/triplication
- Effort is needed to have unified solution
 - *Or just give up and forget*



Thank you

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