



# SSO reference implementations

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# Required SSO components


  
**<<client>>**  
Digital signature for SOAP


  
**<<client>>**  
HTTPS with proxy certs.


  
**<<service>>**  
Digital signature for SOAP

  
**<<service>>**  
HTTPS with proxy certs.

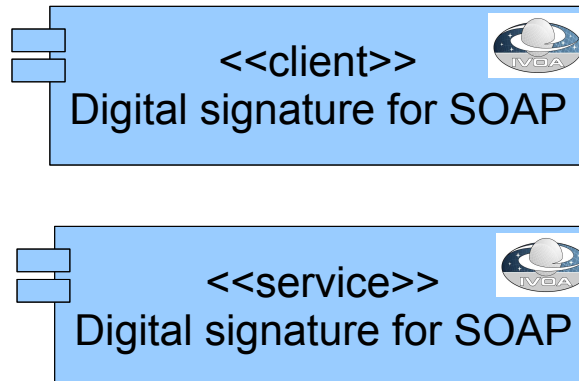
  
**<<service>>**  
Credential cache

  
**<<service>>**  
Delegation

  
**<<service>>**  
VOrg membership registry

  
**<<service>>**  
Authorization engine

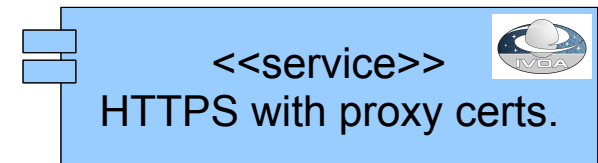
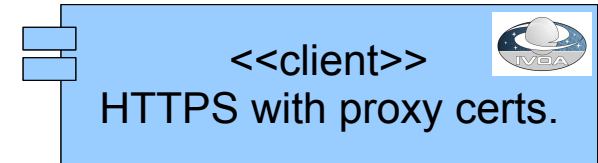
# Dig-sig components



- Client: AstroGrid security facade + Astro Runtime
- Service: AstroGrid security facade + CEA app-server
- Service: Caltech VOSpace?
- Service: ESO NGAS?
- Missing one client?

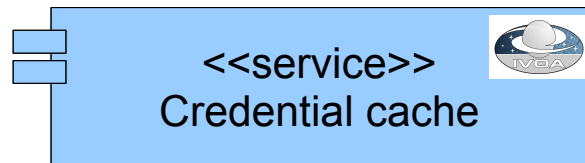
# HTTPS+RFC3820 components

- Service: Tomcat + GLite trust-manager
- Service: Tomcat + AstroGrid trust-manager
- Service: Apache httpd + GridSite module
- Service: Jetty + Bruno Harbulot's trust manager
- Client: curl
- Client: htcp (from GridSite)
- Client: globus-url-copy (from Globus Toolkit)



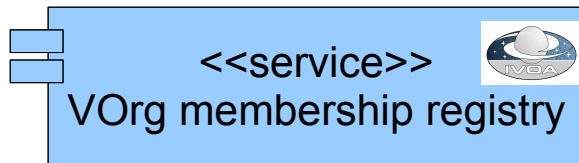
# Credential-cache components

- Credential cache is MyProxy service from NCSA
- Installation: AstroGrid at WfAU in Edinburgh
- Installation: NVO at NCSA
- Client: utilities in Globus Toolkit 4
- Client: in Astro Runtime

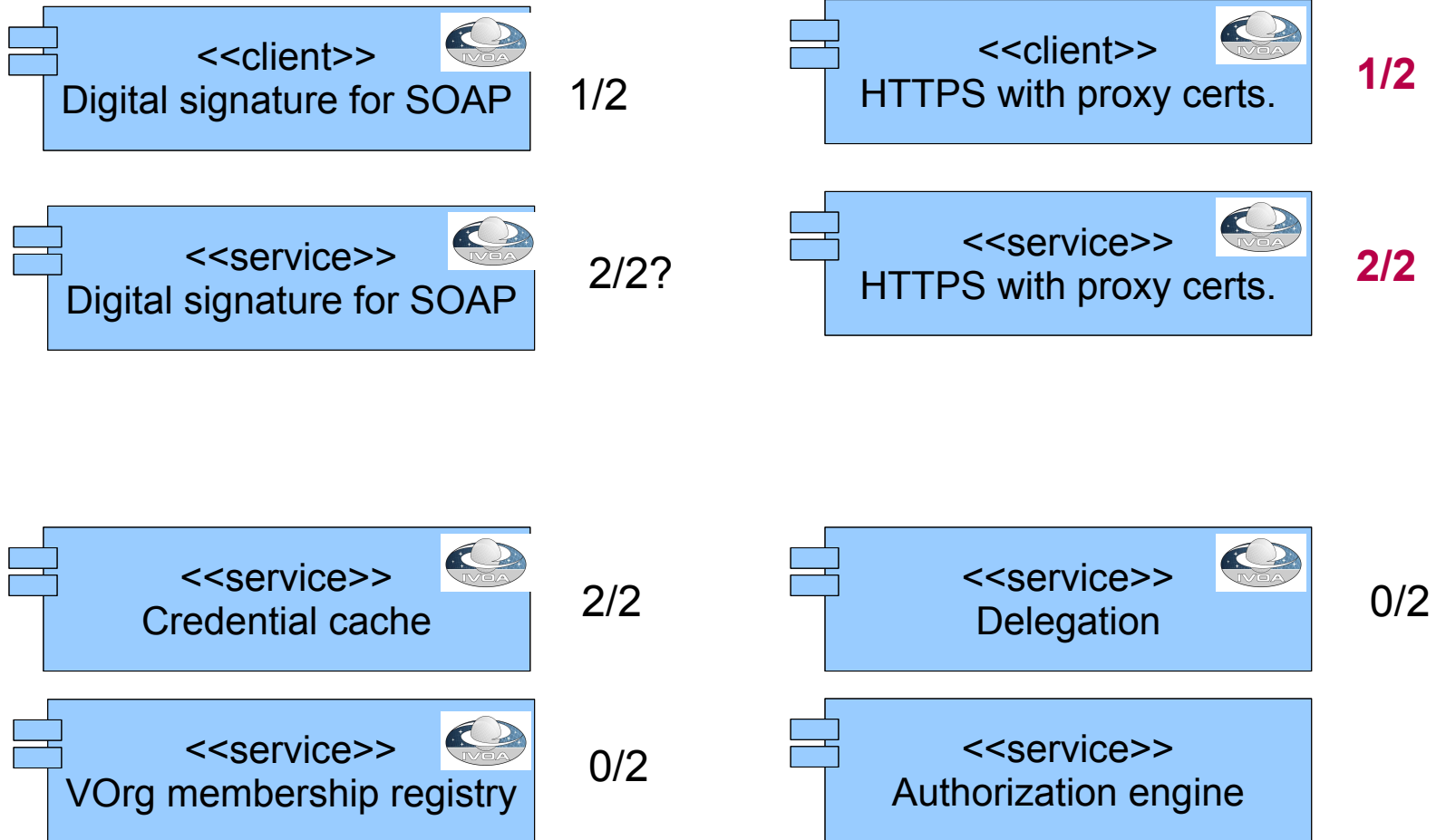


# VOrg components

- No IVOA standard for this yet
- Probably going to use VOMS
- Trial VOMS installation in Trieste pp EuroVO

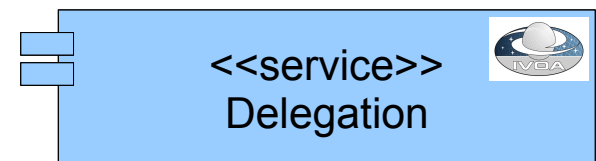


# Required SSO components





# Delegation components



- Early prototype by AstroGrid
- Doesn't count as a reference implementation









# Score-sheet

 **<<client>>**   
Digital signature for SOAP 1/2



 **<<client>>**   
HTTPS with proxy certs. 3/2



 **<<service>>**   
Digital signature for SOAP 3/2



 **<<service>>**   
HTTPS with proxy certs. 4/2


Components above this line needed for SSO-methods doc to go to PR

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 **<<service>>**   
Credential cache 2/2

 **<<service>>**   
Delegation 0/2

 **<<service>>**   
VOrg membership registry 0/2

 **<<service>>**  
Authorization engine