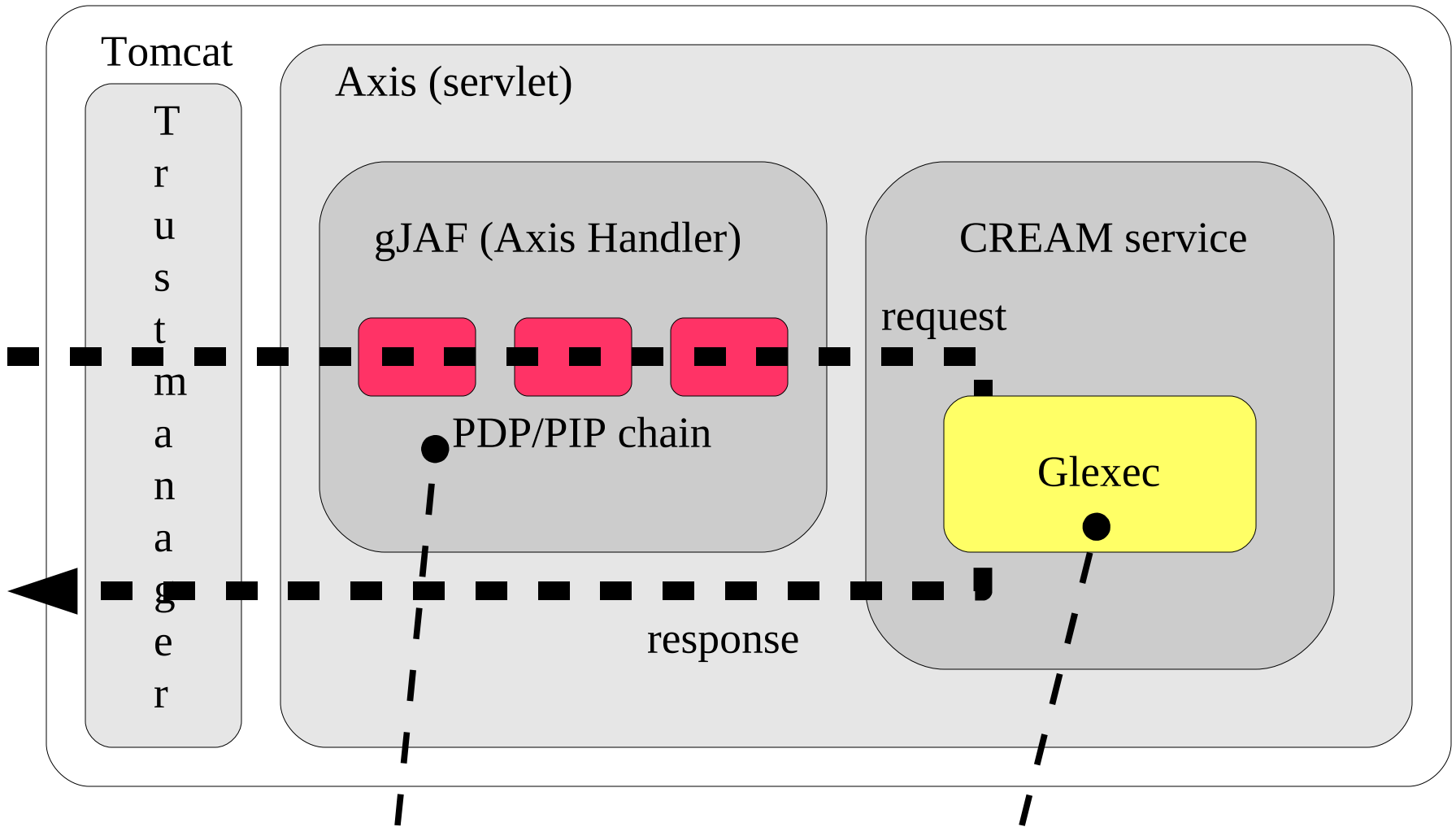


Status of the AuthZ in CREAM

Paolo Andreetto
CREAM team – INFN Padova

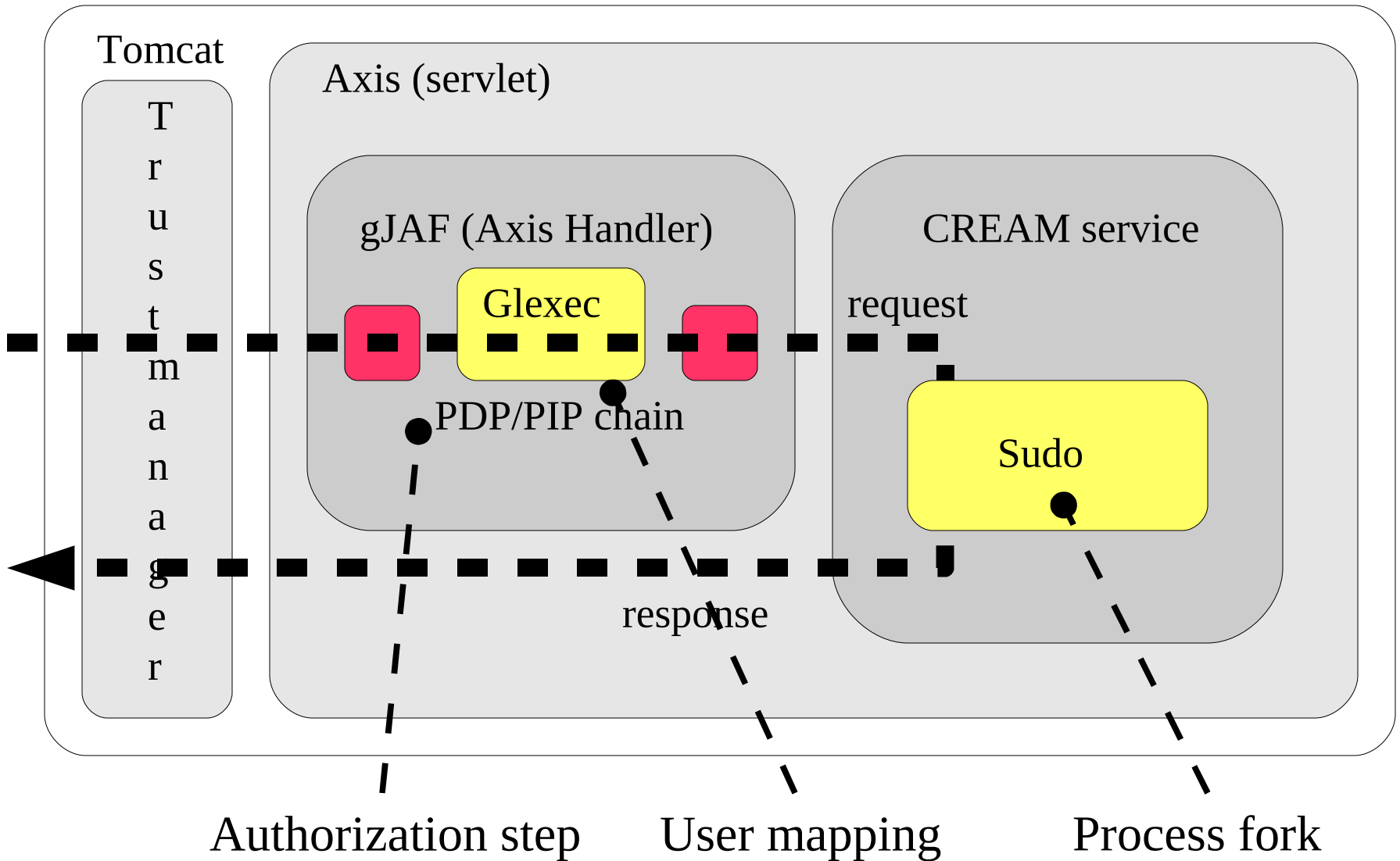
EMI Security Workshop
CERN, May 25-26, 2010

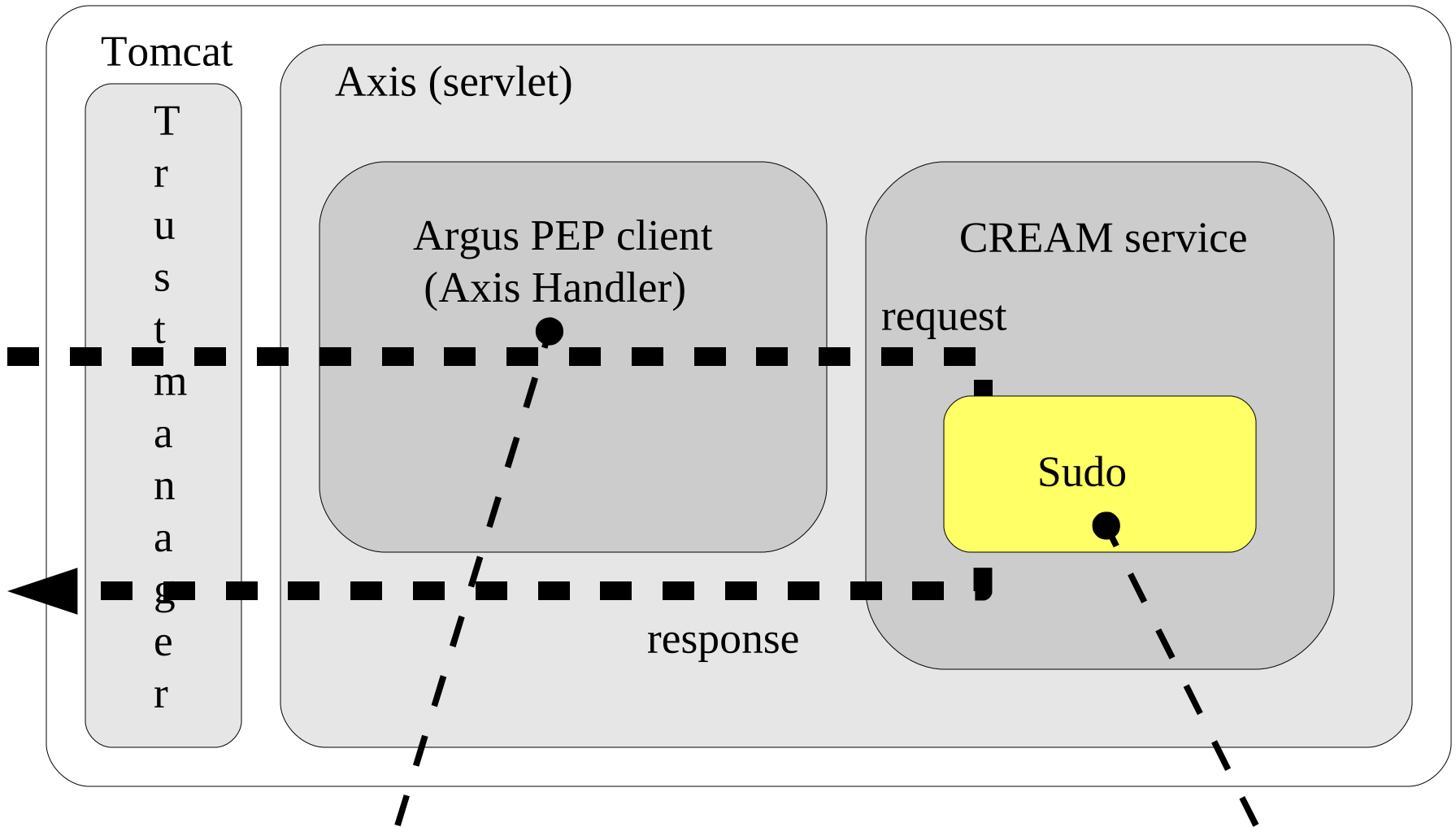
- **Supported X509 Certificates**
- **Secure channel (SSL)**
- **Delegation**
 - Proxy Certificates (RFC 3820, globus)
 - Delegation port 2.0
- **VOMS attributes**
 - Attribute Certificates in VOMS proxy certificates
 - SAML assertions and WSSecurity
(experimental, never released in production)



Authorization step

User mapping and process fork





Authorization step and user mapping

Process fork

- **Integration with GridFTP: under testing**
 - Minor issue with the mapping (workaround is available)
- **Definition of a XACML CREAM profile: under discussion**
- **Argus PEP client for CREAM: in development**
 - Access to the CE configuration system
 - Beta available in July

- **Single Point for all policies**
 - Both for java and C/C++ components
 - Both for CREAM and GridFTP
- **Fine-grained authorization per operation**
 - New roles (VO supervisor)

- **Performance and scalability to be verified**
 - Using a pool of connections to the PEP daemon
 - Using batch file transfer for OSB/ISB
- **Propagation of the CE administrator role**
 - Local ACL for CE administrator
 - No role propagation from other PAPs