

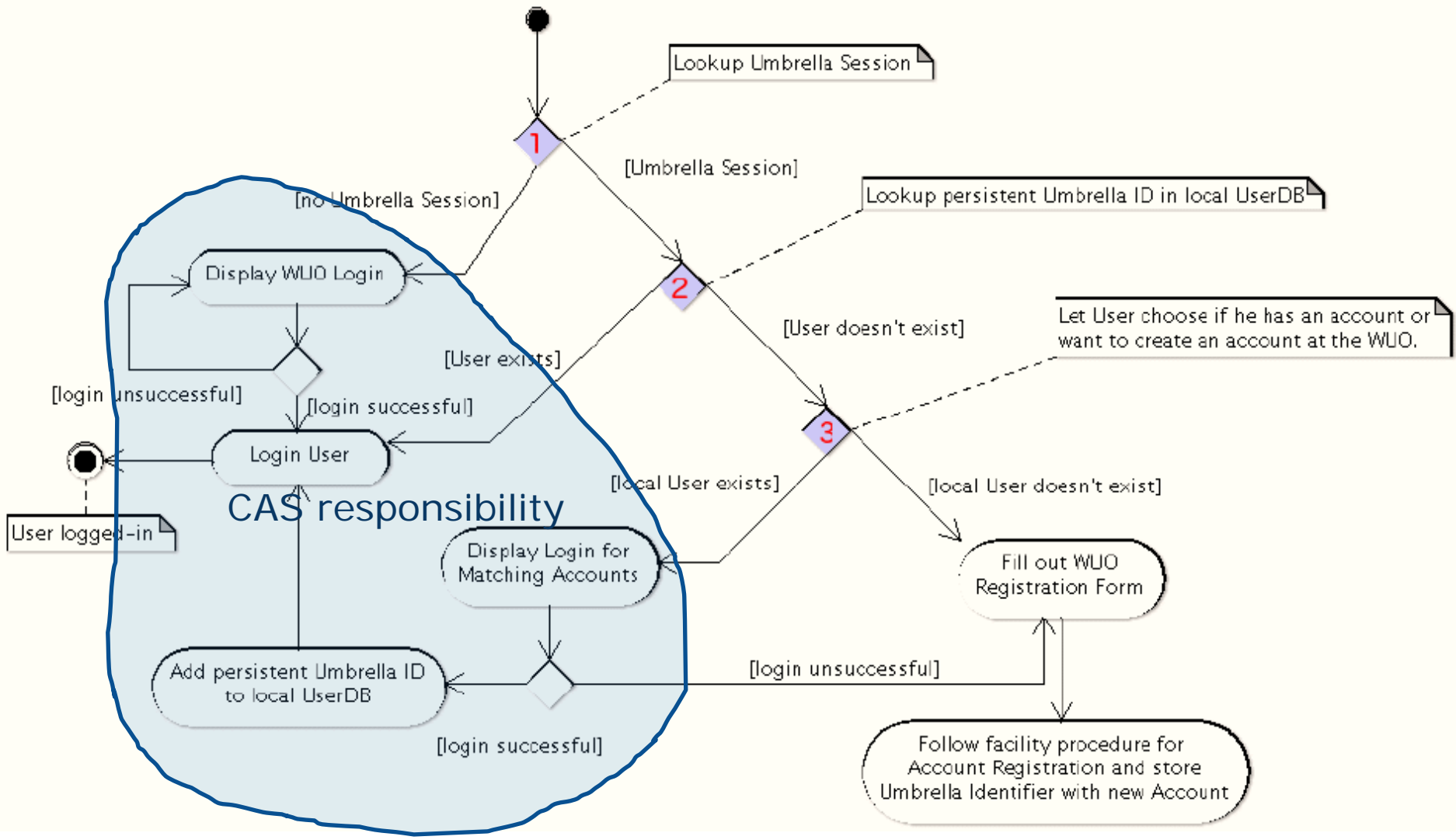
UmbrellaID status @ILL

June 2013

ILL Central Authentication

- CAS (<http://www.jasig.org/cas>) as SSO since 2006
- 1 single central Auth server (staff & users)
- More than 40 web apps (staff & users)
- For the users:
 - VC (usof)
 - PSCM
 - DataPortal
 - ...

Main integration workflow



SAML technical integration 1/2

- Options:
 - Casshib (<https://code.google.com/p/casshib/>)
 - Maintained as a separate product
 - Need some work for using standard authenticator (e.g. LDAP)
 - Need to integrate the Umbrella Workflow
 - Develop the module from scratch using the standard CAS Trusted authenticator ...
 - Use casshib as it is and use our CAS server as a client ...

SAML technical integration 2/2

- Transform our CAS server as a Shib IDP and use casshib with 2 IDPs ...
- Use an existing proxy protocol solution
 - <http://lemonldap-ng.org/welcome/>
 - <http://simplesamlphp.org/>
 - <http://dev.entrouvert.org/projects/authentic>
 - + Strong coupling
 - + Maintenance and support

Our choice: Authentic2 1/2

- Replacement of the Jasig Cas Server by Authentic2
- What is authentic2:
 - OpenSource project (AGPLv3)
 - Python - Django
 - Proxy between authentication protocols (OpenID/SAML/CAS)
 - maps a user to a local repository (bridging)
 - Provide the local Id to apps through SSO IDP (CAS/SAML/OpenID)

Our choice: Authentic2 2/2

- What is authentic2:
 - Project leaded by Enrte'Ouvert (Fr company)
 - Enrte'Ouvert is a small company specialized in Auth technologies (e.g Lasso)
 - The project is rather young (2010) :
 - Not a lot of users (Fr univ.) – discovered some bugs
 - We had to develop some plugins (multi-ldap, proxying attributes)
 - Cost (installation / maintenance) is low

Ready for production 1/2

- uses 2 LDAPs as backend (ILL plugin)
- Tests with different application are OK
- Network access / management / Bkp are in place
- Meeting with the developers the 3rd of July
- Auth services:
 - Username/passwd
 - UmbrellaId.org
 - X509
 - OTP

Ready for production 2/2

- Id provider
 - CAS for internal application
 - OpenID for external apps
 - SAML (French federation - RENATER) only for staff or internal purposes
- Only 1 feedback from friendly user up to now

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ACTIONS

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UMBRELLA LOGIN TO SERVICE PROVIDER:

Central Authentication Service



Mot de passe

SAML 2.0

Certificats SSL

Mot de passe à usage unique

Choisissez votre fournisseur d'identité:

Umbrella ID ▾

S'identifier

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