

Security management in Clerezza

Introduction

- Security in Clerezza is done at two level : platform Bundles and Graph read/write access.
- Security and permission are managed with JAAS
- Authentication can be done with one of this method :
 - cookie
 - http basic auth
 - webID
- Clerezza Security code reside in platform.security.* bundles

How it's work

Authentication

- **AuthenticatingFilter** : is the http endpoint
 - call all registered **AuthenticationMethod** and **WeightedAuthenticationMethod** implementations
 - call the authenticationService : that will use all registered authenticationChecker to validate the provided username and password.
 - call each authenticationChecker : the first one that authenticate the user is ok.
- Implement **WeightedAuthenticationMethod**, allow you to add others authentication protocol to Clerezza (ex : oAuth, openId,...)
- Implement authenticationChecker, allow you to connect your specific authentication tool (LDAP, database,...)

Authorization

- TBD

Resources

- JAAS :
 - <http://docs.oracle.com/javase/1.5.0/docs/guide/security/jgss/tutorials/AcnAndAzn.html>
 - <http://docs.oracle.com/javase/1.4.2/docs/guide/security/jaas/tutorials/GeneralAcnAndAzn.html#RunAzn>
 - <http://www.jaasbook.com/>
- Clerezza security
 - see thread with subject "Auth management in Clerezza" in https://mail-archives.apache.org/mod_mbox/incubator-clerezza-dev/201206.mbox/browser