

# 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](https://mail-archives.apache.org/mod_mbox/incubator-clerezza-dev/201206.mbox/browser)