

## 2. Grouper API

Code de grouper, sur lequel se basent tous les autres modules

### Configuration base de données

Définition de la base de Grouper

- `conf/grouper.hibernate.properties`

```
hibernate.connection.url = jdbc:mysql://mysql.mon-univ.fr:3306/grouper
hibernate.connection.username = dev_grouper
hibernate.connection.password =
```

### Configuration générale

- `conf/grouper.properties`

Label utilisé dans les logs

```
grouper.env.name = grouper-mon-univ
```

Droits par défaut des utilisateurs

```
groups.create.grant.all.admin      = false
groups.create.grant.all.optin      = false
groups.create.grant.all.optout     = false
groups.create.grant.all.read       = yes
groups.create.grant.all.update     = false
groups.create.grant.all.view       = yes

stems.create.grant.all.create      = false
stems.create.grant.all.stem        = false

attributeDefs.create.grant.all.attrAdmin      = false
attributeDefs.create.grant.all.attrOptin      = false
attributeDefs.create.grant.all.attrOptout     = false
attributeDefs.create.grant.all.attrRead       = yes
attributeDefs.create.grant.all.attrUpdate     = false
attributeDefs.create.grant.all.attrView       = yes
```

Possibilité de s'identifier en tant qu'administrateur dans l'interface grouper-ui

```
groups.wheel.use = true
```

Groupe des administrateurs de Grouper (voir exemples de grouper Shell pour création initiale des groupes)

```
groups.wheel.group = groupes:admin:grouper
```

### Configuration des sources de données

Grouper utilise ces sources de données pour gérer les membres de ses groupes et vérifier leur existence

Source de données Ldap Supann :

```

<source adapterClass="edu.internet2.middleware.grouper.subj.GrouperJndiSourceAdapter">
  <id>mon-univ:ldap</id>
  <name>Ldap Mon univ</name>
  <type>person</type>
  <init-param>
    <param-name>INITIAL_CONTEXT_FACTORY</param-name>
    <param-value>com.sun.jndi.ldap.LdapCtxFactory</param-value>
  </init-param>
  <init-param>
    <param-name>PROVIDER_URL</param-name>
    <param-value>ldap://ldap.mon-univ.fr:389</param-value>
  </init-param>
  <init-param>
    <param-name>SECURITY_AUTHENTICATION</param-name>
    <param-value>anonymous</param-value>
  </init-param>
  <init-param>
    <param-name>SECURITY_PRINCIPAL</param-name>
    <param-value>cn=Manager,dc=mon-univ,dc=fr</param-value>
  </init-param>
  <init-param>
    <param-name>SECURITY_CREDENTIALS</param-name>
    <param-value>secret</param-value>
  </init-param>
  <init-param>
    <param-name>SubjectID_AttributeType</param-name>
    <param-value>uid</param-value>
  </init-param>
  <init-param>
    <param-name>Name_AttributeType</param-name>
    <param-value>cn</param-value>
  </init-param>
  <init-param>
    <param-name>Description_AttributeType</param-name>
    <param-value>displayName</param-value>
  </init-param>

  /// Scope Values can be: OBJECT_SCOPE, ONELEVEL_SCOPE, SUBTREE_SCOPE
  /// For filter use

  <search>
    <searchType>searchSubject</searchType>
    <param>
      <param-name>filter</param-name>
      <param-value>
        (&uid=%TERM%)(objectclass=supannPerson)
      </param-value>
    </param>
    <param>
      <param-name>scope</param-name>
      <param-value>
        ONELEVEL_SCOPE
      </param-value>
    </param>
    <param>
      <param-name>base</param-name>
      <param-value>
        ou=people,dc=mon-univ,dc=fr
      </param-value>
    </param>
  </search>
  <search>
    <searchType>searchSubjectByIdentifier</searchType>
    <param>
      <param-name>filter</param-name>
      <param-value>
        (&uid=%TERM%)(objectclass=supannPerson)
      </param-value>
    </param>
    <param>

```

```

        <param-name>scope</param-name>
        <param-value>
            ONELEVEL_SCOPE
        </param-value>
    </param>
    <param>
        <param-name>base</param-name>
        <param-value>
            ou=people,dc=mon-univ,dc=fr
        </param-value>
    </param>
</search>

<search>
    <searchType>search</searchType>
    <param>
        <param-name>filter</param-name>
        <param-value>
            (&amp; (|(uid=%TERM%)(cn=%*TERM%*)))(objectclass=supannPerson))
        </param-value>
    </param>
    <param>
        <param-name>scope</param-name>
        <param-value>
            SUBTREE_SCOPE
        </param-value>
    </param>
    <param>
        <param-name>base</param-name>
        <param-value>
            ou=people,dc=mon-univ,dc=fr
        </param-value>
    </param>
</search>

///Attributes you would like to display when doing a search
<attribute>displayName</attribute>
<attribute>mail</attribute>

</source>

```