

Geonetwork

Introduction

This is the wiki page for formatting and editing the standard geonetwork installation to a working Deltares installation such as: <http://marineproject.openearth.nl/geonetwork/srv/eng/search#fast=index&from=1&to=50>
Assumes using stable branch of geonetwork found here: http://sourceforge.net/projects/geonetwork/files/GeoNetwork_opensource/v2.10.3/

Geonetwork for dummies

- please follow the link for more [Instructions](#)

Prerequisites

- Geonetwork 2.10.3
- Access to the geonetwork folder (/var/lib/tomcatx/webapps/geonetwork) as tomcat user ⚠
- Rights to restart tomcat service (sudo) ⚠
- At ease with editing on the command line
- At ease with xml, html and css

Adding background map

The normal Geonetwork installation assumes a geoserver installation at localhost. For Deltares this is not the case and therefore the default background layers in the search map and overview map won't show.

Edit the file at [WEB-INF/config-gui.xml](#)

Find the section with `<!-- Configuration for small map search` and add a layer to `<layers>` section:

```
<layer server="http://ows.terrestris.de/osm-gray/service?" tocname="OSM" params="{layers: 'OSM-WMS', format: 'image/png'}" options="{isBaseLayer: true}" />
```

We can use the Terrestris gray Open Street Map service, but any WMS provider will do. You can comment out the other layers if they're not working. Commenting in html is `<!-- Comment -->`

Do the same for the section starting with `<!-- Configuration for map viewer` and add a server section for reference:

```
<server name="Terrestris" url="http://ows.terrestris.de/osm-gray/service?" />
```

Save and close the file and restart geonetwork.

Switching to the HTML5 GUI.

For nationaalgeoregister.nl a new interface has been developed, which has found its way to the geonetwork source. See: <https://github.com/geonetwork/core-geonetwork/pull/81>

Documentation found at: <http://geonetwork-opensource.org/manuals/trunk/eng/developer/userinterface/html5ui/index.html>

Edit the file at [WEB-INF/config-gui.xml](#)

Comment out the second working line like this:

```
<!-- <client type="redirect" widget="false" url="main.home" />-->
```

And add the following:

```
<client type="redirect" widget="true" url="../../srv/eng/search" createParameter="#create" stateId="s" />
```

After a tomcat service restart the new GUI will load at the default /geoserver link.

Fixing a WFS harvest bug

There is a bug in geonetwork that has been solved upstream of the stable version. See: <https://github.com/geonetwork/core-geonetwork/pull/349>
It causes the html5 gui to hang when viewing WFS harvested metadata, or show a broken extent in the standard interface. The fix is simple.

Edit [WEB-INF/data/config/schema_plugins/iso19139/convert/OGCWXsGetCapabilitiesTo19119/identification.xsl](#) and find the two instances where there is a *copy-of* value while three similar rows after it have a *value-of* value.

```
<westBoundLongitude>
<gco:Decimal><xsl:value-of select="math:min(exslt:node-set($boxes)/*[name(.)='xmin']")"/></gco:Decimal>
</westBoundLongitude>
```

Save the file and restart the tomcat service.

Styling the html5 gui

To have an interface like: <http://marineproject.openearth.nl/geonetwork/srv/eng/search#fast=index&from=1&to=50> instead of the default html5 gui, only a few files need to be edited.

Anyone familiar with web development can use the developer tools in a web browser and the relevant directory [apps/html5ui/](#).

Edit the site logo in [css/main.css](#) and use for example the following file: [sitelogo.png](#) which should be placed in images directory.

For color styling, use [css/colors.css](#). These two files as used by the marineproject geonetwork can be found here: [colors.css](#) and here: [main.css](#). For uploading use something like scp or sftp. WinSCP and Filezilla are relevant programs.