Setting up a Solr server

Solr installation

- You can check the installation requirements here [http://wiki.apache.org/solr/SolrInstall](http://wiki.apache.org/solr/SolrInstall) and for a better understanding and/or tune-up here [http://wiki.apache.org/solr/SolrJetty](http://wiki.apache.org/solr/SolrJetty). In general the following few steps should be enough to get Solr running.
- Download Apache/Solr from [apache](http://apache.org).
- Unpack it in any directory you want to run it from. We will use /var/www/ as base directory in our example.

```
$ cp solr-4.1.0.tgz /var/www/
$ cd /var/www
$ tar xvzf solr-4.1.0.tgz
```

Solr setup

- Copy over Newscoop solr configuration into the Solr.

```
$ cp -a /var/www/newscoop/example/solr/* /var/www/solr-4.1.0/example/solr/
```

- Edit `example/solr/solr.xml` and add `<core>` for each language you are using (name attribute must be RFC3066bis language code, e.g. de-DE, en-EN) and copy `collection` folder in `example/solr/` for each of those cores names (de-DE, en-EN), under the same directory. Each core can have its own configuration. See [Newscoop >= 4.3 - Solr plugin](http://wiki.apache.org/solr/SolrInstall)
- Run Solr - go to `example` folder and run

```
$ java -jar start.jar
```

If Solr is registered as a service you can do:

```
$ sudo service solr-<specific_instance_here> restart
```

SSH tunnel:

You may need to create a SSH tunnel when Solr instance is not exposed publicly. You can do it for example by running the command from your local terminal (assume that solr server is running at tomek.sourceforge.net instance with port 8983 (default port): `ssh -L 8983:localhost:8983 user@example.com -p 2222`)

The solr instance will be accessible via: [http://localhost:8983/solr](http://localhost:8983/solr) in your browser where you will see the whole overview of your solr query.