

4) Installing Vivo-i18n from Uqam BitBucket

Goal

This procedure describes the steps required to extract, configure, and deploy code for running UQAM's Vivo-i18n in Canadian-French

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Prerequisite

To carry out this procedure, the following steps must have been carried out

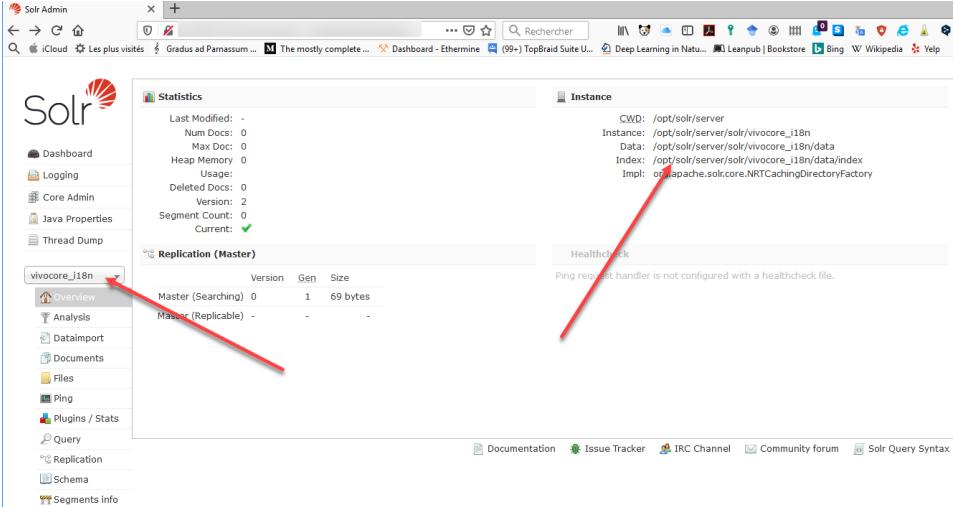
- 1) Starting with basic installation: Java-Maven-Solr-GIT
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- 3) Installing Tomcat 8.5 for Vivo-1.11.0-i18n

Procedure

1- Configuring the code's host environment and extract it

Step	Action
1) Creating the GIT directory	<pre>sudo -i -u tomcat mkdir /opt/tomcat/GIT cd /opt/tomcat/GIT</pre>
2) Retrieving the code M1 - Milestone 1  The M1 Tag corresponds to the reference version of the code released by UQAM for the Vivo i18n community.	<pre>git clone https://bitbucket.org/uqam/vivo-uqam-i18n --branch M1</pre>
3) Extraction analysis	Two directories are under 'vivo-uqam-i18n'. vivo-project-i18n: contains the vivo code itself. vivo-project-i18n-config: contains the files needed to configure vivo

2- Configuring SOLR for Vivo

Step	Action
1) Prepare Solr	<pre>sudo systemctl stop solr</pre>
2) Copy configuration files	<pre>sudo -u solr cp -r /opt/tomcat/GIT/vivo-uqam-i18n/vivo-project-i18n-config/solr/server/* /opt/solr/server/</pre>
3) Check vivocore in Solr	<pre>sudo systemctl start solr http://YOUR_URL:8983/solr/#/vivocore_i18n/core-overview</pre>  <p>The screenshot shows the Solr Admin interface with the 'vivocore_i18n' core selected. The 'Statistics' section shows 0 documents, 0 max doc, 0 heap memory, and 0 deleted docs. The 'Replication (Master)' section shows a master node with version 0 and size 69 bytes. The 'Healthcheck' section indicates that the ping request handler is not configured with a healthcheck file.</p>

2- Preparing VIVO for first start

Step	Action
1) Create VIVO home	<pre>sudo -u tomcat mkdir -p /opt/tomcat/vivo_i18n/home sudo -u tomcat cp -r /opt/tomcat/GIT/vivo-uqam-i18n/vivo-project-i18n-config/vivo_i18n/home/* /opt/tomcat/vivo_i18n/home/</pre>

2) Edit runtime.properties file

Make sure that attribute properties fit with current installation

```
sudo -u tomcat vi /opt/tomcat/vivo_i18n/home/config/runtime.properties
```

runtime.properties

```
Vitro.defaultNamespace = http://<adresse-ip-du-serveur>:8080/vivo  
/individual/  
...  
  
rootUser emailAddress = vivo_i18n@uqam.ca  
...  
  
VitroConnection.DataSource.url = jdbc:mysql://localhost/vivo_i18n  
VitroConnection.DataSource.username = vivo_i18n  
VitroConnection.DataSource.password = VIVO_I18N_MYSQL_PASSWORD  
...  
  
vitro.local.solr.url = http://<server-ip-adress>:8983/solr/vivocore_i18n  
...  
RDFService.languageFilter = true  
languages.selectableLocales = fr_CA, en_US, de_DE
```

3) Edit and configure VIVO installation setting file

Check that the file contains the following code:

```
sudo -u tomcat cp example_settings_i18n_linux.xml settings_i18n_linux.xml  
sudo -u tomcat vi settings_i18n_linux.xml
```

settings_i18n_uqam.xml

```
<settings xmlns="http://maven.apache.org/SETTINGS/1.1.0"  
         xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
         xsi:schemaLocation="http://maven.apache.org/SETTINGS/1.1.0  
http://maven.apache.org/xsd/settings-1.1.0.xsd">  
    <profiles>  
        <profile>  
            <id>defaults</id>  
            <properties>  
                <app-name>vivo_i18n</app-name>  
                <vivo-dir>/opt/tomcat/vivo_i18n/home<  
/vivo-dir>  
                <tomcat-dir>/opt/tomcat</tomcat-dir>  
                <default-theme>wilma</default-theme>  
            </properties>  
        </profile>  
    </profiles>  
    <activeProfiles>  
        <activeProfile>defaults</activeProfile>  
    </activeProfiles>  
</settings>
```

3- Compiling code

Step	Action
1) get into the proper directory	cd /opt/tomcat/GIT/vivo-uqam-i18n/vivo-project-i18n

2) Compile First compile might take a while: lot of files to download and process	<pre>sudo -u tomcat /opt/apache-maven-3.6.3/bin/mvn -s ./vivo-installer-i18n/settings_i18n_linux.xml install</pre>
3) Validate Compile process should result in the following message:	<pre>[INFO] [INFO] --- maven-dependency-plugin:3.1.1:unpack (install) @ vivo-installer-webapp-i18n --- [INFO] Configured Artifact: org.vivoweb:vivo-installer-webapp-i18n:1.11.0-SNAPSHOT:war [INFO] Unpacking /opt/tomcat/GIT/vivo-ugam-i18n/vivo-project-i18n/vivo-installer-i18n/webapp-i18n/target/vivo.war to /opt/tomcat/webapps/vivo with includes "" and excludes "" [INFO] ----- [INFO] Reactor Summary for VIVO Project for i18n 1.11.0-SNAPSHOT: [INFO] [INFO] VIVO Languages Canadian French SUCCESS [1.957 s] [INFO] VIVO Languages Canadian French for Home SUCCESS [3.621 s] [INFO] VIVO Languages Canadian French for Web Ap SUCCESS [8.434 s] [INFO] Vitro Languages Canadian French SUCCESS [0.003 s] [INFO] Vitro Languages Canadian French for Web App SUCCESS [1.702 s] [INFO] VIVO Project for i18n SUCCESS [0.879 s] [INFO] Vitro API - for i18n SUCCESS [39.580 s] [INFO] VIVO api for i18n SUCCESS [7.767 s] [INFO] VIVO installer for i18n SUCCESS [0.004 s] [INFO] VIVO Install Home for i18n SUCCESS [37.261 s] [INFO] Vitro Web App for i18n SUCCESS [4.192 s] [INFO] VIVO Web App for i18n SUCCESS [7.361 s] [INFO] VIVO Web App Installer for i18n SUCCESS [7.937 s] [INFO] ----- [INFO] BUILD SUCCESS [INFO] ----- [INFO] Total time: 02:11 min [INFO] Finished at: 2019-11-27T23:43:06Z [INFO] -----</pre>

4- Accessing Vivo

Step	Action
1) Restart tomcat	<pre>sudo systemctl restart tomcat</pre>

2) First access to VIVO from browser

On first web access after compile VIVO présents this page:

The screenshot shows a Mozilla Firefox window titled "Startup Status". The address bar shows "/vivo/". The main content area has a yellow header bar with the word "Warning" and a message about VIVO issuing warnings during startup. Below this is a "Startup trace" section with a green background, containing a list of startup events and messages. A red arrow points from the "Continue" button at the top left of the trace section to the "Click here" link at the bottom right of the trace section. At the bottom of the page, there is a link "Click on this link to get to the VIVO's start page".

Warning

VIVO issued warnings during startup.

- WARNING: FreemarkerEmailFactory\$Setup
 - Invalid SMTP host: 'smtp.mydomain.edu': host name is not recognized - Email functions are disabled.
 - edu.cornell.mannlib.vitro.webapp.email.FreemarkerEmailFactory\$Setup

Continue

Startup trace

The full list of startup events and messages

- INFO: JvmSmokeTests
 - Java version is 1.8
 - edu.cornell.mannlib.vitro.webapp.servlet.setup.JvmSmokeTests
- INFO: JvmSmokeTests
 - Java temp directory is 'C:\VIVO-Trad-ecosystème\apache-tomcat-8.5.11\temp'
 - edu.cornell.mannlib.vitro.webapp.servlet.setup.JvmSmokeTests
- INFO: ApplicationSetup
 - JNDI environment 'java:comp/env/vitro/home' was set to 'C:/VIVO-Trad-ecosystème/vivo/home'
 - edu.cornell.mannlib.vitro.webapp.application.ApplicationSetup
- INFO: ApplicationSetup
 - Application is configured

Click here

Click on this link to get to the VIVO's start page

5- Final validation

To perform a final check, please refer to the **Verify Your Installation** section of the [VIVO's documentation](#) available on Lyrasis wiki.