

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
- 2) Installing MySQL for Vivo-i18n
- 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. Without the '--branch M1' option, the clone is a checkout of the latest version in the container.	<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) Pepare Solr	<pre>sudo systemctl stop solr</pre>
2) Copy configuration files	<pre>sudo -u solr cp -r /opt/tomcat/GIT/vivo-uqam-il8n/vivo-project-il8n-config/solr/server/* /opt/solr/server/</pre>
3) Check vivocore in Solr	<pre>sudo systemctl start solr</pre> <pre>http://YOUR_URL:8983/solr/#/vivocore_il8n/core-overview</pre> <div></div>

2- Preparing VIVO for first start

Step	Action
1) Create VIVO home	<pre>sudo -u tomcat mkdir -p /opt/tomcat/vivo_il8n/home</pre> <pre>sudo -u tomcat cp -r /opt/tomcat/GIT/vivo-uqam-il8n/vivo-project-il8n-config/vivo_il8n/home/* /opt/tomcat/vivo_il8n/home/</pre>

<h2>2) Edit runtime.properties file</h2> <p>Make sure that attribute properties fit with current installation</p>	<pre>sudo -u tomcat vi /opt/tomcat/vivo_i18n/home/config/runtime.properties</pre> <div> <div>runtime.properties</div> <div> <pre> 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 ... RDFSService.languageFilter = true languages.selectableLocales = fr_CA, en_US, de_DE </pre> </div> </div>
<h2>3) Edit and configure VIVO installation setting file</h2> <p>Check that the file contains the following code:</p>	<pre>sudo -u tomcat cp example_settings_i18n_linux.xml settings_i18n_linux.xml sudo -u tomcat vi settings_i18n_linux.xml</pre> <div> <div>settings_i18n_uqam.xml</div> <div> <pre> <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> </pre> </div> </div>

3- Compiling code

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

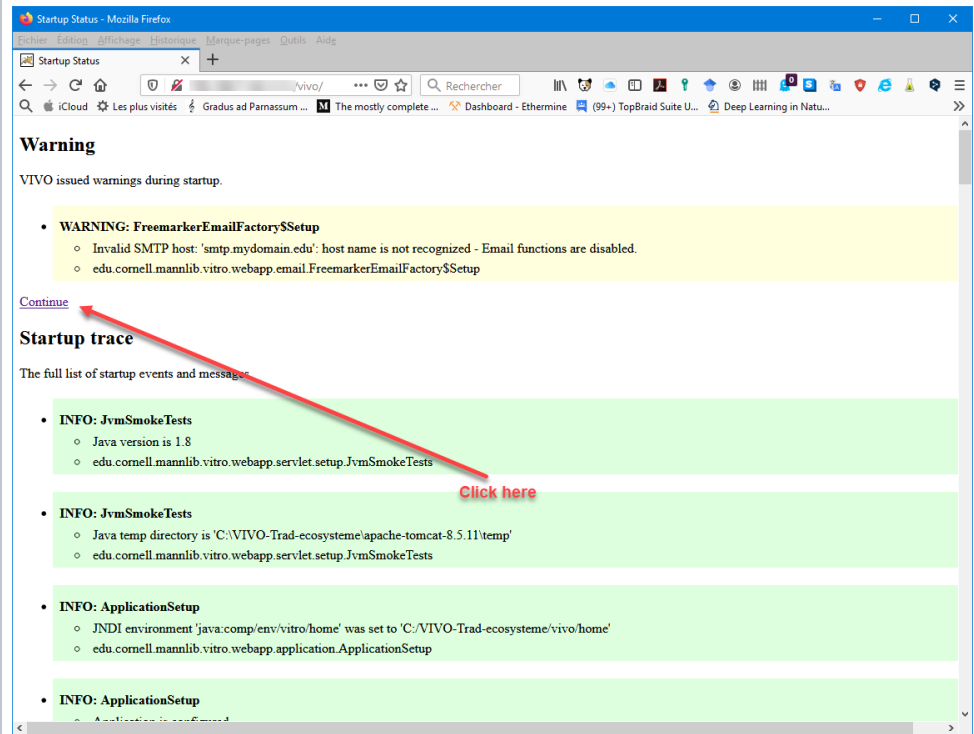
2) Compile First compile might take a while; lot of files to download and process	<pre>sudo -u tomcat /opt/apache-maven-3.6.3/bin/mvn -s ./vivo-installer-il8n /settings_il8n_linux.xml install</pre>
3) Validate Compile process should result in the following message:	<pre>[INFO] [INFO] --- maven-dependency-plugin:3.1.1:unpack (install) @ vivo-installer-webapp- il8n --- [INFO] Configured Artifact: org.vivoweb:vivo-installer-webapp-il8n:1.11.0-SNAPSHOT: war [INFO] Unpacking /opt/tomcat/GIT/vivo-uqam-il8n/vivo-project-il8n/vivo-installer- il8n/webapp-il8n/target/vivo.war to /opt/tomcat/webapps/vivo with includes "" and excludes "" [INFO] ----- [INFO] Reactor Summary for VIVO Project for il8n 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 il8n SUCCESS [0.879 s] [INFO] Vitro API - for il8n SUCCESS [39.580 s] [INFO] VIVO api for il8n SUCCESS [7.767 s] [INFO] VIVO installer for il8n SUCCESS [0.004 s] [INFO] VIVO Install Home for il8n SUCCESS [37.261 s] [INFO] Vitro Web App for il8n SUCCESS [4.192 s] [INFO] VIVO Web App for il8n SUCCESS [7.361 s] [INFO] VIVO Web App Installer for il8n 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 présente this page:



Click ot 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.