Migration Guide

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The following is a list of instructions that will enable a developer to migrate JBoss Portal 2.7 data to EPP 5.2.2. There are a number of steps some of which can be improved upon. Improvement opportunities are noted in the text. This assumes a basic understanding of the portal environments and running a clean install of EPP.

Note: PORTAL\_SAR= /usr/local/groundwork/foundation/container/webapps/jboss/jboss-portal.sar

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| 1 | Check out the project under the EPP directory: <http://geneva.groundworkopensource.com/groundwork-professional/trunk/monitor-framework/epp/> |
| 2 | Go to the directory: migration |
| 3 | Build the code: mvn clean package |
| 4 | Copy the jars from epp43-export/target/dist to PORTAL\_SAR/lib  Copy the jar from epp43-export/target/dist to PORTAL\_SAR/lib |
| 5 | Copy the file epp43-export/target classes/identity-migration-xmbean.xml to PORTAL\_SAR/  Copy the file epp43-export/target/classes/mop-migration-xmbean.xml PORTAL\_SAR/ |
| 6 | Explode the current version of the groundwork portal-core-lib.jar into a directory  Explode the version of the portal-core-lib.jar into the same directory, overwriting all identical classes  Copy the class org\jboss\portal\core\aspects\server\ UserInterceptor.class overriding the class provided by JBoss.  Jar the contents of that directory and copy the Frankenstein portal-core-lib.jar server/default/deploy/jboss-portal.sar/lib: jar -xvf . portal-core-lib.jar  Copy the jar to PORTAL\_SAR/lib |
| 7 | Add the following mbeans to the bottom of the jboss-service.xml located in PORTAL\_SAR/META-INF/jboss-service.xml  <mbean code="org.jboss.portal.migration.xml.JBPIdentityExporter"  name="portal:service=Migration,type=JBPIdentityExporter"  xmbean-dd="identity-migration-xmbean.xml">  <depends optional-attribute-name="IdentityServiceController" proxy-type="attribute">  portal:service=Module,type=IdentityServiceController  </depends>  </mbean>  <mbean code="org.jboss.portal.migration.xml.JBPMOPExporter"  name="portal:service=Migration,type=JBPMOPExporter"  xmbean-dd="mop-migration-xmbean.xml">  <depends optional-attribute-name="MOPServiceController" proxy-type="attribute">  portal:service=Module,type=MOPServiceController  </depends>  </mbean> |
| 8 | Ensure that EPP is unsecured by editing /usr/local/groundwork/config/jboss/props/jmx-console-users.properties  Add the line:  admin=admin  Note: this was already the case on the dev machine |
| 9 | Note: To get through the Apache web server the http://machinename/jmx-console needs to be a valid url ONLY if doing this process manually. If you are running an application on the localhost than you may access the url simply by <http://localhost:8080/jmx-console>  Alter the apache http.conf file by adding the following proxy  ProxyPass /jmx-console <http://localhost:8080/jmx-console> |
| 10 | Invoke the bean to export the site data. Bean name: service=Migration,type=JBPMOPExporter.  Invoke the method exportSites() passing the String where the file will be saved |
| 11 | Invoke the bean to export user data. Bean name: service=Migration,type=JBPIdentityExporter  The methods are: exportUsers(),exportRoles(). You may alternately use exportHibernateUsers(),exportHibernateRoles(), the data is identical. These methods also require a path for the saved file. |
| 12 | Convert the site xml to EPP page and navigation formatting. Run the GWImporter class located in the source epp\migration\epp5x-import passing in the site.xml. This code will convert the sites.xml to a pages.xml and navigation.xml that can be consumed by EPP.  Note: This class will run correctly but needs to be converted to production quality automation. Currently it can run through eclipse or the command line with the proper classpath. You could also use the junit test and run it with maven. The best way to do it would be to include this functionality in the export process, making it a one-step conversion rather than a two-step conversion. |
| 13 | Build the groundwork extension  Go to the epp\portal-instance-ext\groundwork-ext-5.2.2.GA directory of the source code  mvn clean package  Copy the ear from groundwork-container-extension-ear\target to the deploy directory of EPP  Copy the datasource epp\portal-instance-ext\gatein-ds.xml to the deploy directory of EPP. Make sure the file is configured to your datasource. Do not change the jndi-name of either item.  Copy the datasource epp\portal-instance-ext\ groundwork-ext-5.2.2.GA\groundwork-ext-ds.xml to the deploy directory of EPP. The jndi-name must match the name of the portal extension which is groundwork-portal at the moment. |
| 14 | Move the pages.xml and navigation to the correct folder in the portal extension. Currently it would be located at groundwork-container-extension.ear\ groundwork-container-extension.ear-0.0.1war\WEB-INF\conf\groundwork-portal\portal\newPortal. The ear and the war are binaries that the files need to be added to. |
| 15 | Edit the file groundwork-container-extension.ear\ groundwork-container-extension.ear-0.0.1war\WEB-INF\conf\groundwork-portal\portal\organization-import-configuration.xml to change the value of the importFileLocation. This is the directory on the system where EPP can locate the users.xml and the roles.xml. If they are not found a message is displayed and the import is skipped. |
| 16 | Note: This step can probably be cleaner by putting the files in a very specifc place or by adding the files to the classpath and having the file read off the classpath instead of the file system. |
| 17 | Start EPP. All the data should be ingested during the first start. If a second attempt is needed, then it is recommended to clean the profile. See note below.  Note: To return the EPP to a clean install using hypersonic delete the work, tmp and data directories in the server profile you are using. If you are using a legit database then drop the appropriate schemas in additional to the folder deletion. |