



SCIDIP-ES Packaging Toolkit Installation Quick Start

Prerequisites

- JAVA SE Developer Kit 7
- Working instance of Tomcat Server version 7.X
- Source code for Packaging Toolkit available at:
<https://svn.code.sf.net/p/digitalpreserve/code/SCIDIP-ES/software/services/Packaging/trunk>

Customise build profile for local environment

Some paths have to be configured in file: */PackagingSCIDIP-ES/src/webapp/ptconf.xml*

- **<catalinaprojectdir>**: Specify the path on the server from CATALINA_HOME to Packaging project top level directory. E.g.: work/Catalina/localhost/PackagingSCIDIP-ES/
- **<resultDir>**: Specify the path to the http accessible folder in the server file system, that is required for AIP browser. E.g.: /var/www/html/

Some further configurations are required in order to properly apply the third party software that is used for SAFE and XFDU serialization:

- Set the *SAFE_HOME* environment variable to:
`SAFE_HOME="TOMCAT_install_dir"/webapps/PackagingSCIDIP-ES/WEB-INF/lib/`
- Add the path to the XFDU/SAFE libraries in Tomcat configuration file (`$CATALINA_BASE/bin/catalina.sh`)
 - For Linux operating system
 - `# Add xfd-core-1-1-patch-5-1.1.5.jar, drb-2-3-release.jar, log4j-1.2.15.jar to classpath`
 - `CLASSPATH=$CLASSPATH:$CATALINA_BASE/webapps/PackagingSCIDIP-ES/WEB-INF/lib/xfd-core-1-1-patch-5-1.1.5.jar`
 - `CLASSPATH=$CLASSPATH:$CATALINA_BASE/webapps/PackagingSCIDIP-ES/WEB-INF/lib/drb-2-3-release.jar`
 - `CLASSPATH=$CLASSPATH:$CATALINA_BASE/webapps/PackagingSCIDIP-ES/WEB-INF/lib/log4j-1.2.15.jar`
 - For Windows operating system
 - `set "CLASSPATH=%CLASSPATH%;%CATALINA_BASE%/webapps/PackagingSCIDIP-ES/WEB-INF/lib/xfd-core-1-1-patch-5-1.1.5.jar"`



- set "CLASSPATH=%CLASSPATH%:%CATALINA
BASE%/webapps/PackagingSCIDIP-ES/WEB-INF/lib/drj-2-3-
release.jar"
- set "CLASSPATH=%CLASSPATH%:%CATALINA
BASE%/webapps/PackagingSCIDIP-ES/WEB-INF/lib/log4j-1.2.15.jar"

Maven commands for building the Packaging Toolkit

- mvn clean
- mvn install

Test the installation

- Type in your browser the Packaging Toolkit entry URL : *your server/PackagingSCIDIP-ES/result.xhtml*
- Choose the link *create or modify AIP*
- Create a new AIP according to the description on this and the following web pages
- Choose *SAFE* as output format and click the button *save*
- Installation successful if
 - The browser list your created AIP
 - The created AIP contain a manifest file as well as the content object