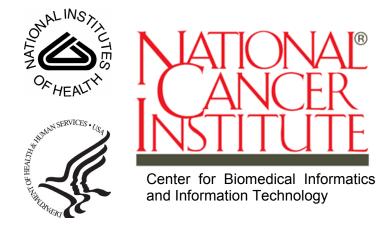
PROTEXPRESS 1.0

Silver Compatibility Review Steps



This is a U.S. Government work.

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Purpose

The purpose of this document is to list the artifacts, and mechanisms for generating such artifacts, required for a Silver Compatibility Review for protExpress v1.0._

List of Required Artifacts

The list of artifacts required for the Silver Compatibility Review is given below. The current set of artifacts is located in SVN at:

https://gforge.nci.nih.gov/svnroot/gpsxar/trunk/docs/silver compatibility review/v1.0/artifacts

- Powerpoint presentation providing an overview of the functionality and basic architecture of protExpress 1.0.
- 2. UML model Enterprise Architect model file (.eap).
- 3. Semantically Annotated XMI file This is a copy of the most recent XMI file submitted to caDSR for loading.
- 4. SIW error log Can be copied from SIW once the annotated XMI file has been loaded successfully into SIW.
- 5. UML Loader Submission Form Use the most recently submitted caDSR submission form.
- 6. Value Domain Report Refer to the section "Generating the Value Domain Report" below.
- 7. Vocabulary Report
- 8. Standards Report The first part of the report should be generated by using the CDE Browser (http://cdebrowser.nci.nih.gov/CDEBrowser/). Open the current version of the protExpress project in the tree browser and choose to Download Data Elements to Excel. Save a copy of the report for editing as described below and save a separate copy for submission (refer to #9 below).

After downloading the data elements, format the output as below:

- 1. Open the file in MS Excel.
- 2. Delete all the columns except:
 - a. Data Element Long Name
 - b. Data Element Version, and,
 - c. Data Element Public ID
- 3. Order the above three remaining columns in the order specified below:
 - a. Data Element Public ID,
 - b. Data Element Version,
 - c. Data Element Long Name.
- 4. Copy the content into the Standards Report Document.

- 9. CDE Search Results Excel file This is an unedited copy of the "**Download Data Elements to Excel**" from the CDE browser.
- 10. Grid Client API Docs This is the Javadocs for the classes, attributes and associations exposed via the published grid client model. Refer to the section "Generating Class Documentation (Javadocs)" below.
- 11. Grid API Test Client and Logs This is a set of JUnit classes that attempt to exercise all API methods in the grid client. Refer to the section "Grid API Test Client and Logs" below.
- 12. Use Case Summary Document This is a MS Word or PDF of the most recent Use Case Summary for protExpress v1.0.
- 13. Vision Document
- 14. Technical Guide
- 15. Pointers to Source Code Control This is a text document with links (URL's) pointing to the API source code in SVN.

Chapter 1 Reports, Javadocs and API Test Client

Purpose

The purpose of this section is multi-fold, as below:

- Lists the steps for generating the Value Domain Report
- 2. Lists the steps for generating the Javadocs for the published model.
- 3. Describes the API Test Client.

Running Scripts with WScript.exe

WScript.exe is an MS Windows Script Host that enables execution of scripts from Windows. It is usually found in **C:/windows/system32** folder. To run a script, do the following:

- Open a new command window and navigate to the folder where the script file (to be executed) is located.
- 2. At the command prompt, execute the following command:

WScript.exe XYZ

where, XYZ is the name of the script file to be executed.

3. Example: WScript.exe protExpress_create_value_domain_report.js

Generating the Value Domain Report

Steps are:

1. Download the **protexpress_create_value_domain_report.js** file from SVN. The script is located at the url below:

https://gforge.nci.nih.gov/svnroot/gpsxar/trunk/docs/silver_compatibility_review/v 1.0/scripts/protexpress_create_value_domain_report.js

- 2. Open the script in a text editor, and modify the following variables:
 - a. **eaFilePath**: The path to the EA Model file (eg: protExpressGrid.eap)
 - b. **csvFilePath**: Name and location of the report file to be created (eg: 06. protexpress-value-domain-report.xls)
- 3. Execute the script as described in the section "Running Scripts with WScript.exe".

Generating Class Documentation (Javadocs)

Steps are:

1. Download the **protexpress_create_pojos_from_model.js** file from SVN. The script is located at the url below:

https://gforge.nci.nih.gov/svnroot/gpsxar/trunk/docs/silver compatibility review/v 1.0/scripts/protexpress create pojos from model.js

- 2. Open the script in a text editor, and modify the following variables:
 - a. **eaFilePath**: The path to the EA Model file (eg: protExpressGrid.eap)
 - b. **GENERATED_JAVA_DIR**: Folder location where the java classes will be generated.
- Execute the script as described in the section "<u>Running Scripts with WScript.exe</u>". This will generate the java source files in the folder specified by the variable GENERATED_JAVA_DIR.
- 4. Browse to the folder where the java classes are generated from the previous step (**GENERATED_JAVA_DIR**), open a new command prompt and execute the following command:

javadoc -d javadocs -public -sourcepath . -subpackages gov

5. If the above command executes successfully, a new subfolder named "javadocs" will be created under the folder specified by the variable GENERATED_JAVA_DIR.

Grid API Test Client and Logs

This is a test client (ANT script) for the Grid API. It attempts to invoke all methods in the published model and log them in a text file.

The source for the test client is in SVN at:

https://gforge.nci.nih.gov/svnroot/gpsxar/trunk/grid service implementation/grid api test client

Download the source code and save to a local folder. This location will be referred to as: <TEST CLIENT SRC LOCATION>.

Modify **build.properties** file

Open the build.properties file in a text editor, and specify values for the following properties:

- 1. server.hostname Hostname for the application.
- 2. server.port Port number on which the application is listening.
- 3. grid.server.hostname Hostname where the grid application is deployed.
- grid.server.port Port for the grid application.
- 5. experiment.id The id of the experiment to be retrieved for the tests.
- experimentrun.id The id of the experiment run to be retrieved for the tests.

- 7. protocol.id The id of the protocol to be retrieved for the tests.
- 8. protocolapplication.id The id of the protocol application to be retrieved for the tests.
- 9. inputoutputobject.id The id of the Input/Output to be retrieved for the tests.
- 10. contactperson.id The id of the Contact Person to be retrieved for the tests.

Run the Tests and Log the Results

Open a command prompt and execute the ant task runGridTests:

ant runGridTests

The tests are executed and the output is logged in appropriate text files in the folder <TEST_CLIENT_SRC_LOCATION>/out.