



IHTSDO RF2 Conversion Tool

User Guide

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1 Introduction

1.1 Purpose

The purpose of this document is to describe a minimal set of steps to run the SNOMED CT International Edition RF2 conversion tool.

1.2 Who should read this document?

The intended audience for this document includes users and technical support teams interested in converting SNOMED CT content released under the Release Format 2 (RF2) into the equivalent Release Format 1 (RF1) distribution files to support existing implementations requiring the original RF1 format.

1.3 Background

Beginning July 2011 the SNOMED CT terminology content is distributed in a new format, the Release Format 2 (RF2). In order to provide backwards compatibility for any user's tool or data structure that may be dependant on the previous format, Release Format 1 (RF1), the IHTSDO provides this tool to convert RF2 format releases into RF1 format releases.

1.4 Conversion gaps and Auxiliary files

The RF2 format brings new table structures and metadata values to the SNOMED CT release files. There are some small information gaps between the two formats, situations where RF2 does not provide all the necessary information for a conversion into RF1 that would produce exactly the same results as the original release. This is especially evident when conversion is used for past releases, where official RF1 releases exist, and exactly the same result can't be achieved without the use of additional data:

1. Subsets table: In RF2 refsets/subsets are represented as concepts in the hierarchy. The content of all fields of the RF1 Subsets table, different metadata about the id's and version information, is not available in RF2.
2. Mapsets table: In RF2 mapsets are represented as refsets, seen as concepts in the hierarchy. The content of all fields of the RF1 Mapsets table, different metadata about the id's and version information, is not available in RF2.
3. Crossmaps and CrossmapTargets tables: The CrossmapTargetId value is not stored in RF2.
4. Descriptions: Policy in RF2 mandates that all core descriptions have LanguageCode "EN", and Description Type should be either "Fully specified name" or "Preferred". Due to some nuances in RF1 releases content it's impossible to predict in all cases the released RF1 values of these properties (less than 1% of the total number of descriptions).



The information required to fill these gaps is provided in auxiliary files that will be applied during the transformation. Conversion of new releases or the conversion of extensions RF2 data may require new information in these auxiliary tables.

1.5 RF2 files options

As described in the official RF2 specification, there are 3 ways of presenting RF2 content:

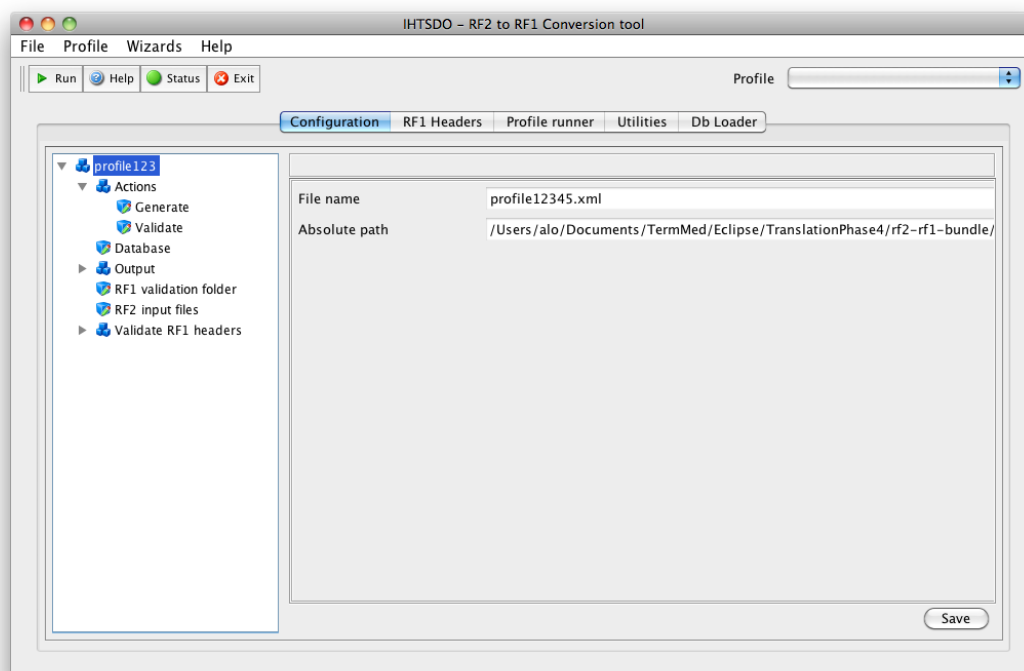
- Multi-version files: many releases in the same file, with multiple versions for each component. This is the most complete format. A “Full release” would contain information for all existing SNOMED CT releases since 2002.
- Snapshot files: The file contains only the latest valid statuses for all components of the terminology, for a specified effective time. This is a complete format.
- Delta files: the file contains the latest valid statuses, but only for components that have changed within the delta period. This is an incomplete format, the components that have not changed are not present. This format can be used to update an existing multi-version release with new changes.

The best results of the RF2 to RF1 conversion can be achieved only when using multi-version RF2 files as source. Snapshot files can also be used, but the component history table will not have historical information.

1.6 Conversion software

This project provides a software application that can be executed in different modes. The conversion logic and configuration is similar for all cases.

- GUI mode: Full graphical user interface
- Command line mode: execute conversion runs via the command line using parameters and XML configuration files.
- Wizards mode: Execute graphical wizards that guide the user through the conversion steps.



The conversion tool also assists in the creation of RF2 deltas and snapshots from a multi-version release.



2 RF2 Conversion Tool

The RF2 Conversion Tool is an open source, Java-based, software tool to facilitate the conversion of SNOMED CT files released in RF2 format into RF1 format. The tool provides both a command line utility and a Graphical User Interface (GUI) to facilitate configuration, progress tracking and the maintenance of additional data whenever it is not available as part of an RF2 release.

This document describes the steps to run the utility from the command line, using the default configuration to convert the latest SNOMED CT International Edition RF2 release into RF1 format.

2.1 Requirements

The RF2 to RF1 Conversion Tool requires:

- Apple Mac OS X, MS Windows XP, Windows Vista, Windows 7 or Linux.
- 2 gigabyte (GB) RAM
- 10 gigabyte (GB) available hard disk space
- 1 gigahertz (GHz) or faster 32-bit (x86) or 64-bit (x64) processor

2.2 Installation

Execute the RF2 to RF1 Conversion Tool installer corresponding to your operating system.

NOTE: Users of Windows Vista and Windows 7 should avoid installing in the “Program files” folder; use the desktop or disk root folder instead.

The Conversion tool installer creates the necessary folder structure. In the root folder of the installation there are two main scripts used to execute the software:

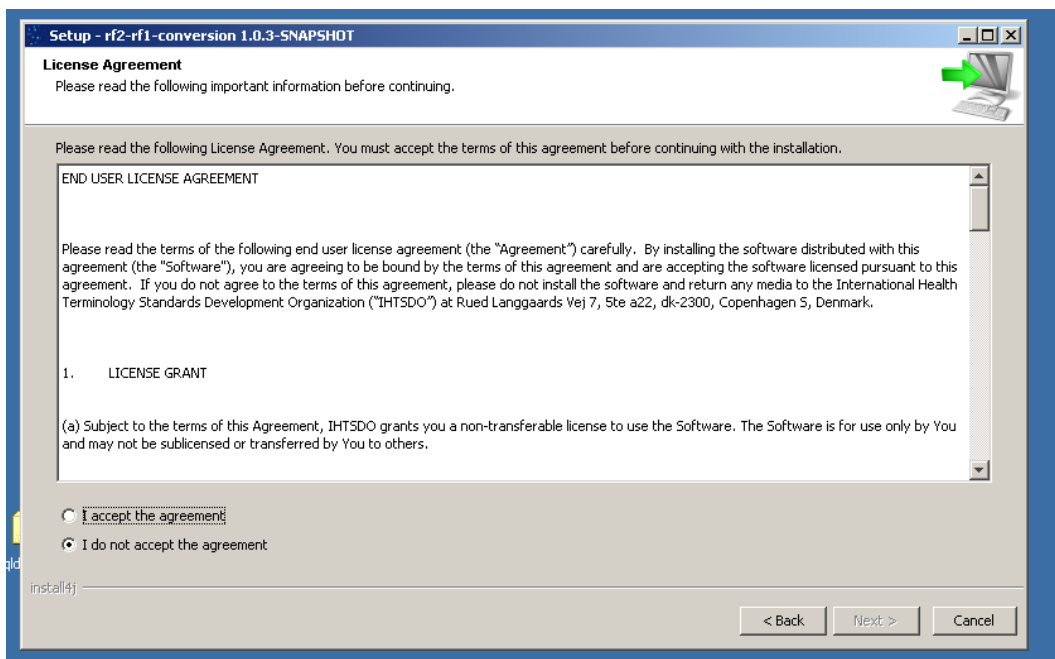
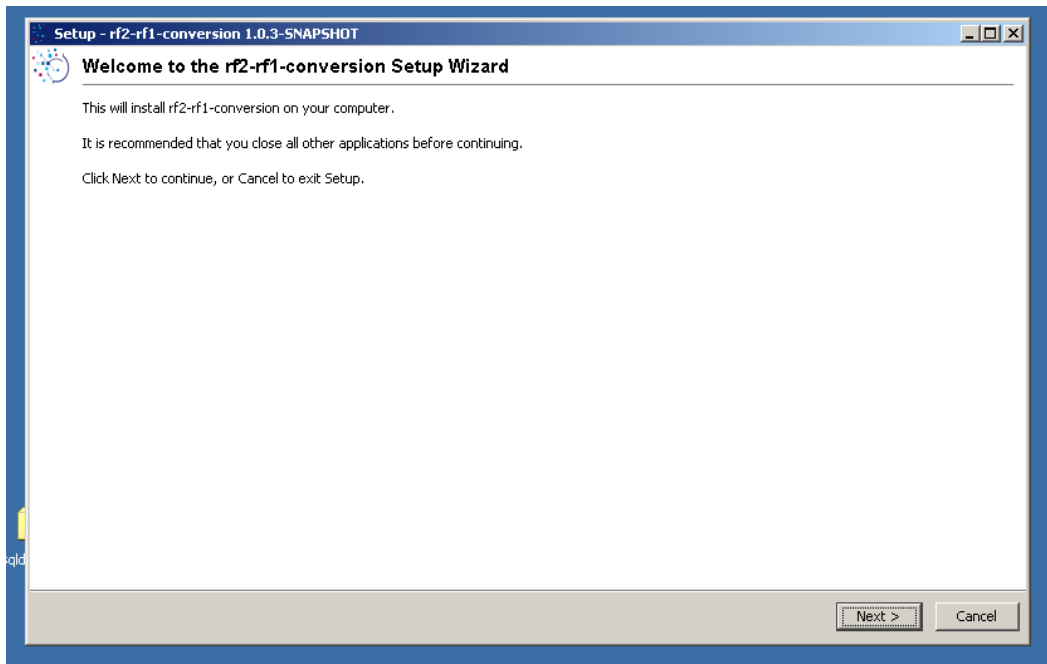
- RF1RF2: [.bat for Windows, .sh for OsX] is the main executable for the command line interface.
- RF1RF2-GUI: [.bat for Windows, .sh for OsX] is the main executable for the graphic user interface.

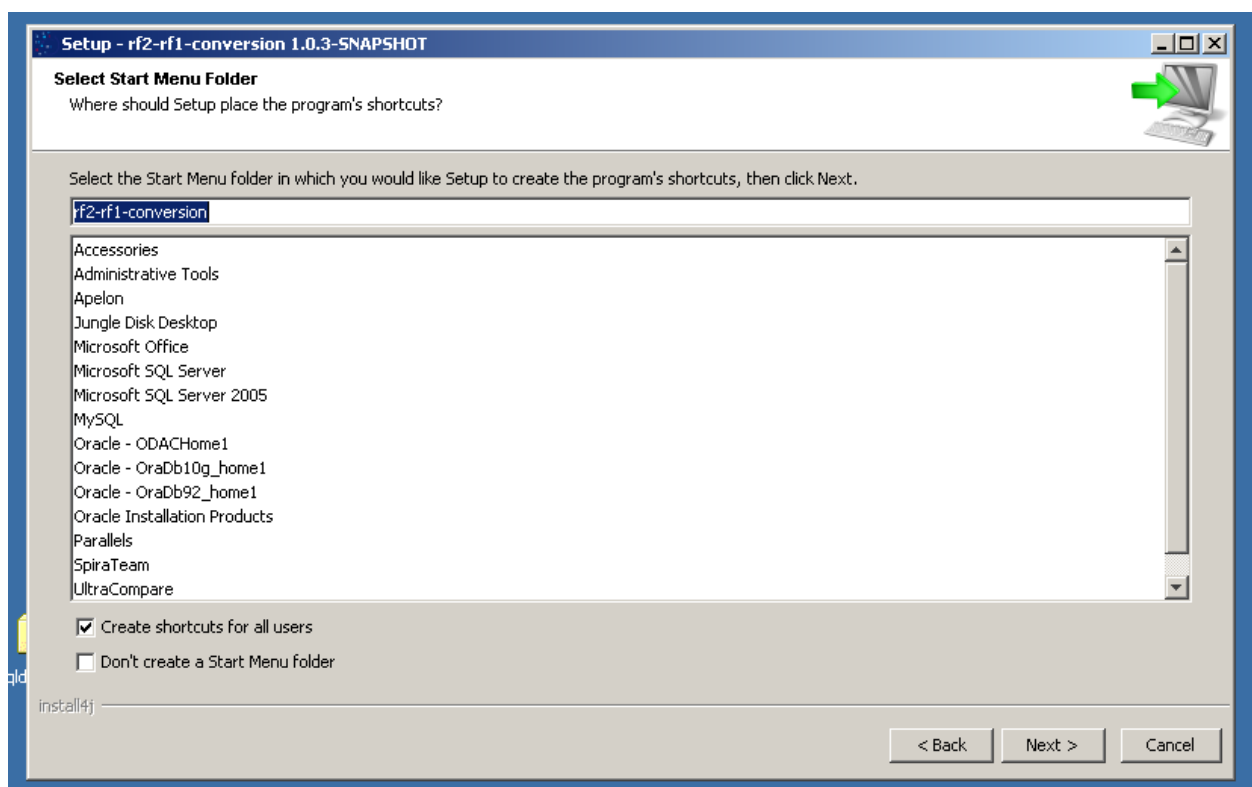
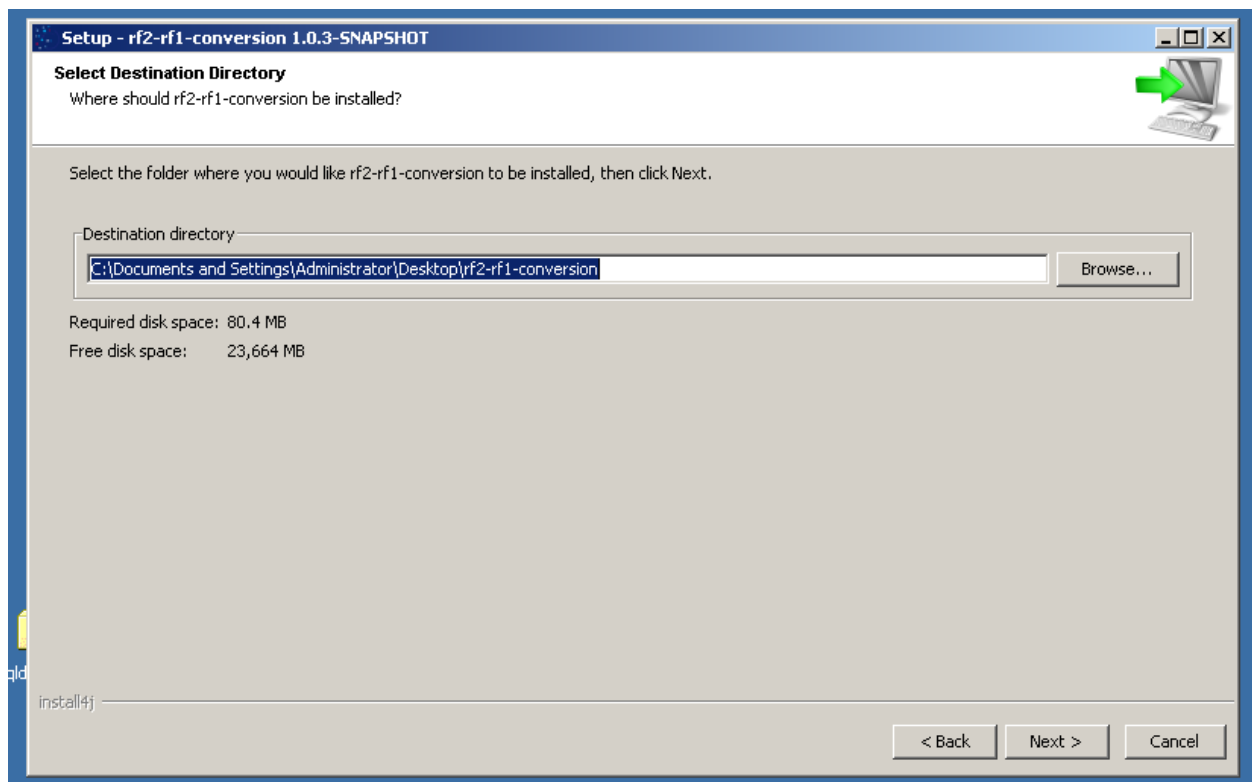
Important folders in the installation:

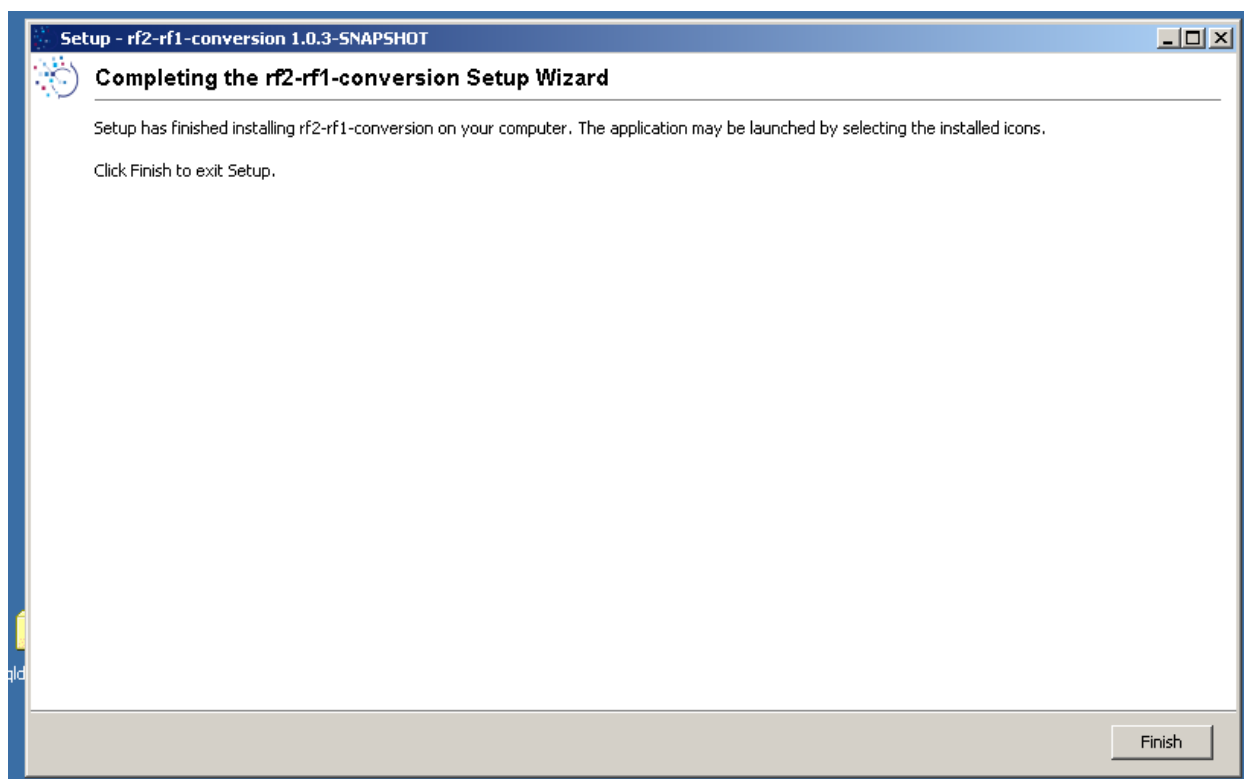
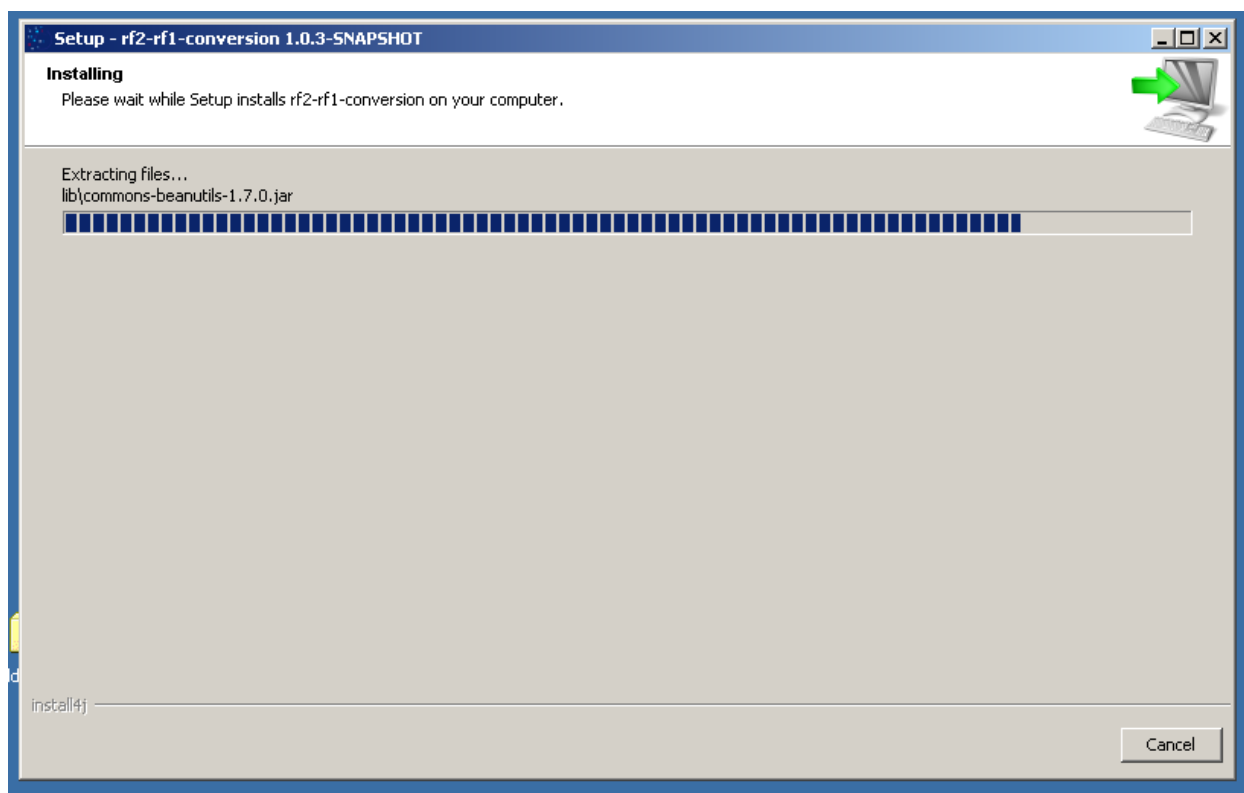
- config/ : contains the configuration files, the log properties file and some of the auxiliary files.
- flows/ : contains the workflows that orchestrate the execution of all the necessary tasks for the conversion process. These flows are designed with Drools Flow (<http://www.jboss.org/drools/drools-flow.html>).
- data/ : is the temporary folder where all the intermediate states are stored.
- logs/ : is the folder that holds the log files.

2.2.1 Installation walkthrough

Click on the Installer icon and proceed through the installation steps:



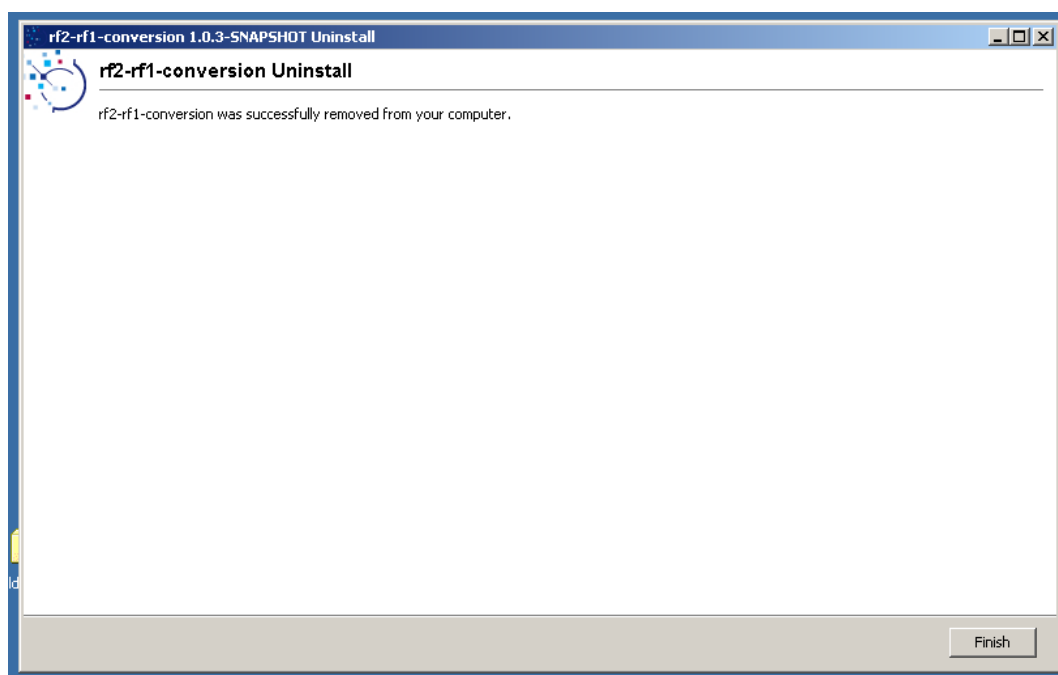
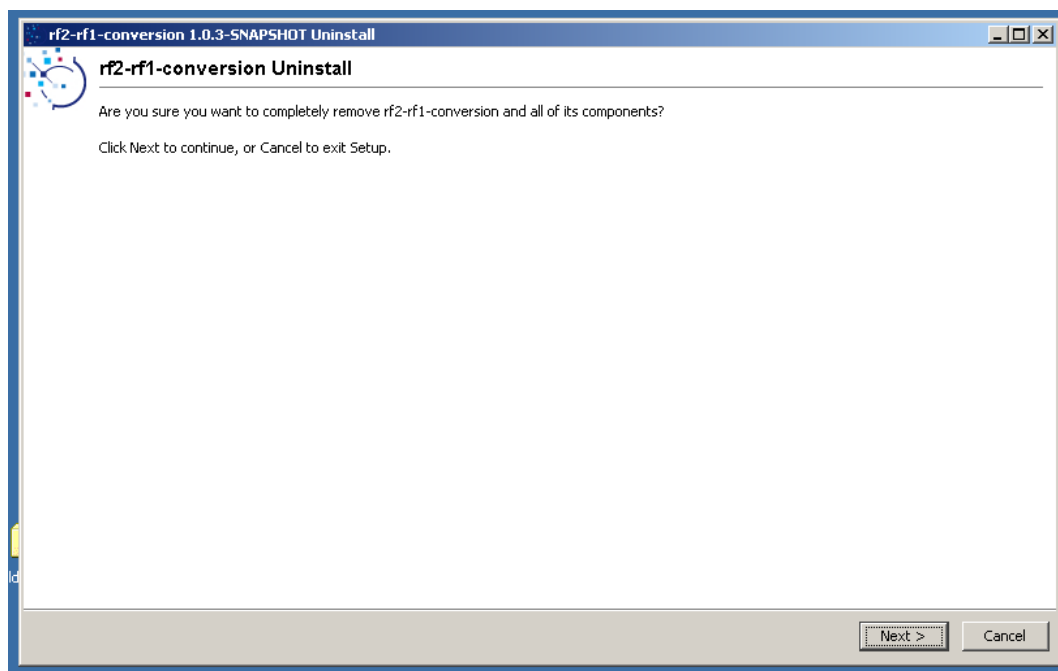






2.2.2 Uninstall walkthrough

Click on the uninstaller shortcut to initiate uninstall. All user files will be preserved.





2.3 Version history

- Version 1.1.3:
 - Minor change to exclude text definitions referenced in the Language Refset from the converted RF1 component history table when using the January 2012 RF2 format (or later) as the primary release source for deriving RF1 format.
 - The issue is described on IHTSDO Tracker Artifact artf225580 : January 2012 SNOMED CT RF1 Component history table includes references to text definitions.
 - This version of the tool has been tested with the Compatibility Package distribution included with the SNOMED CT January 2012 release (res2_Compatibility_Package_INT_20120131.zip).
- Version 1.1.4:
 - Updates to quick start script default date and documentation
 - This version of the tool has been tested with the Compatibility Package distribution included with the SNOMED CT July 2012 release (res2_Compatibility_Package_INT_20120731.zip).
- Version 1.1.5:
 - Updates to quick start script default date and documentation
 - This version of the tool has been tested with the Compatibility Package distribution included with the SNOMED CT January 2013 release (res2_Compatibility_Package_INT_20130131.zip).
- Current Version
 - No changes.

2.4 Quick start

2.4.1 SNOMED CT RF2 International Edition conversion from command line

For a fast and simple conversion of the International Edition from the command line tool follow these steps:

1. Install the RF2 to RF1 Conversion Tool
2. Download and unpack the latest version of the RF2 International Edition release
3. Download and unpack the latest version of the RF1 Compatibility Package
4. Open a command line window, position in the application root folder (i.e. *C:\Desktop\rf2-rf1-conversion*)
5. Execute the command line International Edition Conversion script:
 - a. Windows: *SCT-INT-Default-conversion.bat pathToRf2Release pathToCompatibilityPackage Release*



b. OS X: `./SCT-INT-Default-conversion.sh pathToRf2Release
pathToCompatibilityPackage Release`

Example

```
My c:\ C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Administrator>cd Desktop\rf2-rf1-conversion
My C:\Documents and Settings\Administrator\Desktop\rf2-rf1-conversion>SCT-INT-Default-conversion.bat c:\rf2 c:\compatibilitypkg 20110731
```

6. The conversion will run using configuration defaults, while individual tasks in the conversion process will send notification to the screen about the progress of the conversion.
7. The output files will be created in folder: *application-root/output/rf1*

2.4.2 Using the Conversion tool Graphical User Interface (GUI) and Wizards

The installer creates a shortcut that opens the application in GUI mode. The “*startGUI.bat*” and “*startGUI.sh*” do the same function from the command line in Windows and OS X respectively. The Graphical User Interface is the best option if there is a need to change the configuration or perform additional conversions (i.e. recreating a specific snapshot, or producing a delta file)

Wizards to resolve specific conversion scenarios can be executed from the GUI menu, and also from the command line, with a list of specific scripts. For further information about this topic please see the RF2 Conversion Tool User Guide.

2.5 Conversion configuration profiles

A successful conversion from RF2 to RF1 requires the specification of a set of configuration options:

- RF2 input files: the path to the source of the conversion. These files can be specified individually or using a folder that follows standard IHTSDO naming conventions. The source files should either be a multi-version RF2 release or a Snapshot of the release.
- Auxiliary files: the path to the files required to solve the conversion gaps.
- Target folder: the path to the folder that will hold the results of the conversion, the new RF1 files.
- Log folder: the path to the folder that will store the log files.



- Original RF1 folder: the path of an official RF1 release, used to validate the conversion system using previous releases.
- Actions:
 - Convert to RF1: whether to convert or not, and the effective time used in the conversion. The RF2 source could be either a multi-version release or a Snapshot and should include data for the selected effective time.
 - Create Delta: whether to create a delta or not, and effective times for initial and ending dates of the delta. The RF2 source should be a multi-version RF2 release and include data for the selected delta period.
 - Create Snapshot: whether to create a snapshot or not, and the effective time used in the creation. The RF2 source should be a multi-version RF2 release and include data for the selected effective time.
- Validation:
 - Validate against previous RF1 release
 - Validate source files structure
 - Validate resulting files structure
 - Validate metadata dependencies
- Database information:
 - Database server, user and password.
 - Database loader preferences: specifies which components should be loaded into a database after conversion.

This configuration is represented as a “Conversion profile” that contains all the options. A configuration file has an XML representation of a configuration profile.

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<?xml-stylesheet href="config.xsl" type="text/xsl" ?>

<!-- Multiple profiles not supported in this version -->
<profile id="profileTerminal">
  <name>profile123</name>
  <terminal id="rf2InputFilesTerminal">
    <name>RF2 input files</name>
    <row id="toolbar">
      <type>toolbar</type>
      <title />
      <value>org.ihtsdo.conversion.ui.RF2InputFolder</value>
      <value>org.ihtsdo.conversion.ui.AuxiliaryFilesInputFolder</value>
    </row>
    <row id="conceptFile">
      <type>file</type>
      <title>Concepts file</title>
      <value />
    </row>
    <row id="crossmapICD9File">
      <type>file</type>
      <title>Crossmap ICD9 file</title>
      <value />
    </row>
    <row id="crossmapICD9AuxiliarTargetFile">
      <type>file</type>

```

In command mode a reference to a configuration profile will be used as a mandatory parameter to start the conversion process. In GUI mode a configuration profile is selected to start the conversion process. Wizards that guide the user through the conversion of only some of the RF2 components, like language content or resets, will not use a profile, rather will create an ad-hoc process specific for the conversion.



Configuration files represent an easy way of sharing profiles between users.

2.6 Conversion logs

During the conversion process a detailed log file is populated with all the messages created during the conversion process. The location of the log file is configurable in the file:

config/log4j.properties

```
log4j.rootLogger=INFO, R, CONSOLE, REMOTE
#log4j.appender.FILE=org.apache.log4j.FileAppender
#log4j.appender.FILE.file=
#log4j.appender.FILE.layout=org.apache.log4j.PatternLayout
#log4j.appender.FILE.layout.ConversionPattern=[%d{MMM dd HH:mm:ss}] %-5p (%F:%L) - %m%n

log4j.appender.R=org.apache.log4j.RollingFileAppender
log4j.appender.R.File=logs/log.txt
log4j.appender.R.MaxFileSize=1024KB
# Keep 5 backup file
log4j.appender.R.MaxBackupIndex=5
log4j.appender.R.layout=org.apache.log4j.PatternLayout
log4j.appender.R.layout.ConversionPattern=[%d{MMM dd HH:mm:ss}] %-5p (%F:%L) - %m%n

log4j.appender.CONSOLE=org.apache.log4j.ConsoleAppender
log4j.appender.CONSOLE.layout=org.apache.log4j.PatternLayout
log4j.appender.CONSOLE.layout.ConversionPattern=[%d{MMM dd HH:mm:ss}] %-5p (%F:%L) - %m%n

log4j.appender.REMOTE=org.ihtsdo.conversion.logger.RemoteAppender
log4j.appender.REMOTE.Port=1234
log4j.appender.REMOTE.layout=org.apache.log4j.PatternLayout
log4j.appender.REMOTE.layout.ConversionPattern=[%d{MMM dd HH:mm:ss}] %-5p (%F:%L) - %m%n
```

The line that needs to be updated has the default value:

“log4j.appender.R.File=logs/log.txt”

The path after the “=” character can be updated as needed. The generated file is a text “rolling file” with 1 megabyte limit, meaning that when the file size reaches 1 megabyte the file is copied as a backup and a new one is started. The last 5 rolling files are preserved as backup. The “rolling file” strategy provides a way of maintaining the file size in a manageable range but preserving the history of executions.

2.7 Command line tool

The installation includes scripts that can be used to execute the conversion process from the command line:

- Windows: **rf2rf1.bat**
- Mac OS X: **./rf2rf1.sh**

A set of parameters can be added to define specific settings, using the following format (“-Dxxx=yyy” format is used, as is the standard Java parameter format):

- **rf2rf1.bat -Dparameter1=value1 -DparameterN=valueN**

Available parameters:

- **profile**: the name of the configuration profile that will be used for the conversion.



- *gui*: 'true' for displaying the graphical user interface, absent or 'false' to use command line only.
- *output*: folder that will be used to store the conversion results.
- *releasefolder*: folder that contains an RF2 release, standard naming conventions will be used to identify individual files.
- *auxiliaryfolder*: folder that contains an official compatibility package.
- *rf1version*: release date to convert from RF2 to RF1 (ej. 20070131).
- *wizard*: name of a wizard to launch, skipping full UI. (see wizard names on the "Wizards" section of this documentation)

The "releasefolder" and "auxiliaryfolder" parameters are optional and the files contained in these folder will override the ones specified in the configuration profile. The content of the RF2 folder must comply with the IHTSDO file naming conventions. The file identification process will recursively search all subfolders to identify the files based on the naming conventions.

All the rest of the configuration options are read from the configuration profile, direct editing of the XML files located in the "config/profiles/configuration_profiles" folder is required for changes.

In non-GUI mode progress is displayed in the standard system output, the console screen. Examples of use:

- *rf2rf1.bat -Dprofile=profile 1234*
 - Starts non-gui conversion using all preferences setup in profile1234.
- *rf2rf1.bat -Dprofile=profile 1234 -DreleaseFolder=c:\release -Drf1version=20100131*
 - Starts non-gui conversion using all preferences setup in profile1234, but using RF2 files from "c:\release" and converts the 20100131 date.

2.8 Conversion software GUI

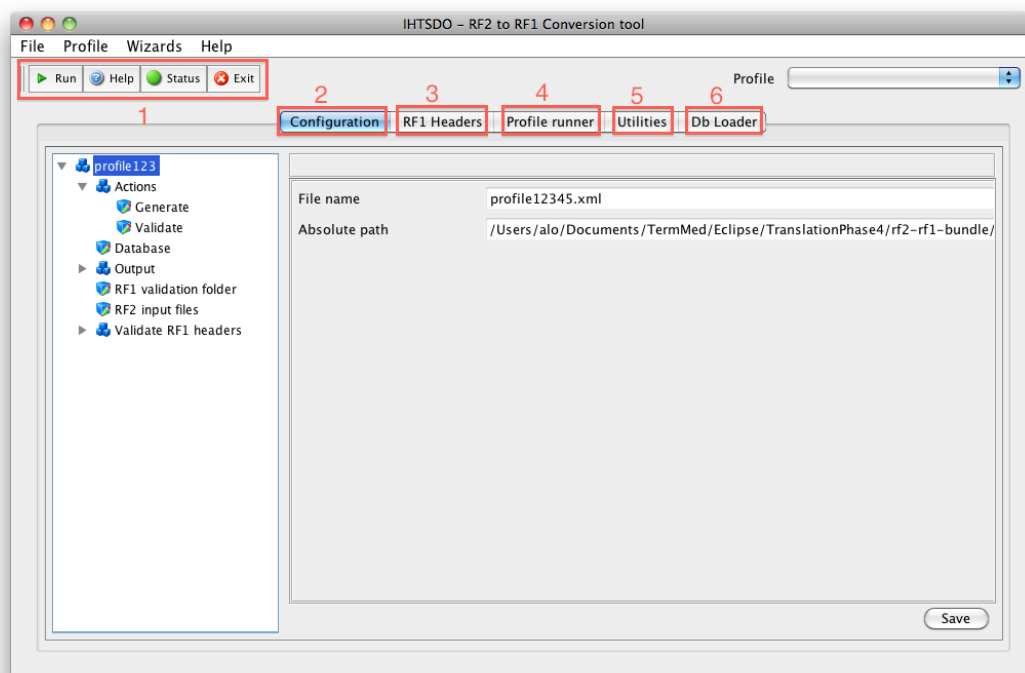
The GUI based conversion application can be started using the installed executable shortcuts or using the provided scripts:

- Windows: ***startUi.bat***
- Mac OS X: ***./startUi.sh***

No parameters are required because all options can be visualized and edited from the GUI panels.

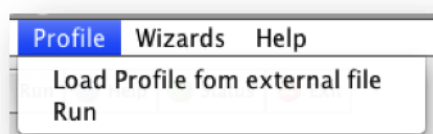
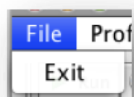
The application is organized into six sections, represented as tabs:

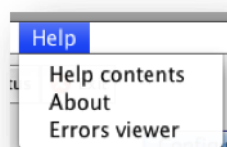
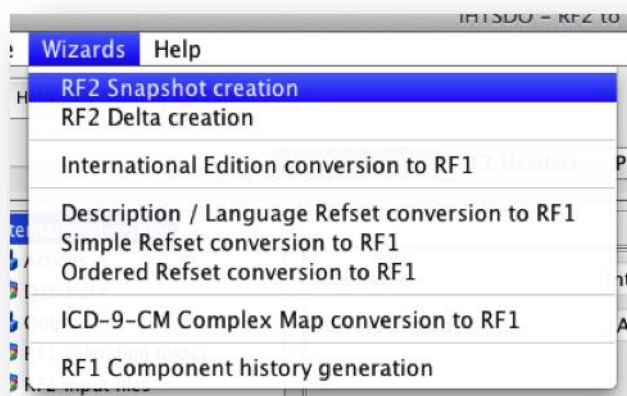
1. Menus and toolbar
2. Configuration
3. RF1 Headers
4. Profile runner
5. Utilities
6. Db Loader



2.8.1 Menus and Toolbar

Menu options:

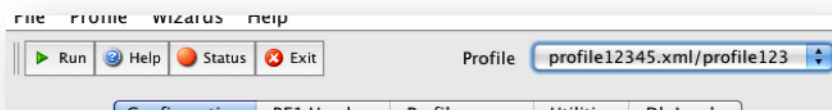




- File
 - Exit: shuts down the application.
- Profile
 - Load profile from external file: adds an external profile into the application menu.
 - Run: executes the profile.
- Wizards
 - RF2 Snapshot creation: Creates an RF2 snapshot for the desired date from RF2 full release files
 - RF2 Delta creation: Creates an RF2 delta for the desired date from RF2 full release files
 - International Edition conversion to RF1: Assists in the creation of a profile for converting an official international edition RF2 release to RF1.
 - Description / Language Refset conversion to RF1: Converts a language release to RF1
 - Simple Refset conversion to RF1: Converts a simple refset to RF1
 - Ordered Refset conversion to RF1: Converts any ordered refset to RF1. Can be used to convert the Navigation refset.
 - ICD-9-CM Complex Map conversion to RF1: Converts the RF2 representation of the ICD-9-CM cross map as a Complex Map to the RF1 representation.
 - RF1 Component History generation: Generates a Component History file computing changes from a multi-version RF2 release.
- Help
 - Help contents: opens the help window.
 - About: displays the version and copyright information.
 - Error viewer: opens the exception viewers panel



Toolbar and profile

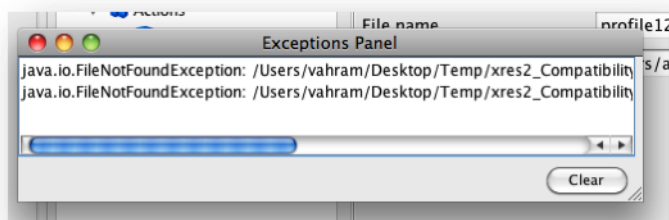


selector:

- Run: executes the selected profile.
- Help: opens the help window.
- Status: Green (● Status) when there are no errors, Red (● Status) when there are errors related to the information in one of the profiles or conversion steps. Clicking the button opens the 'Exceptions panel'.
- Exit: shuts down the application.

The profile selector in the top-right corner of the panel sets the current profile. The current profile will be used in menu options that references a profile and all the tabs.

Exceptions panel:



Displays the most recent exceptions; the "Clear" button removes all exceptions from the panel and turn the "Status" indicator back to green. Double clicking in one exception will display the details:

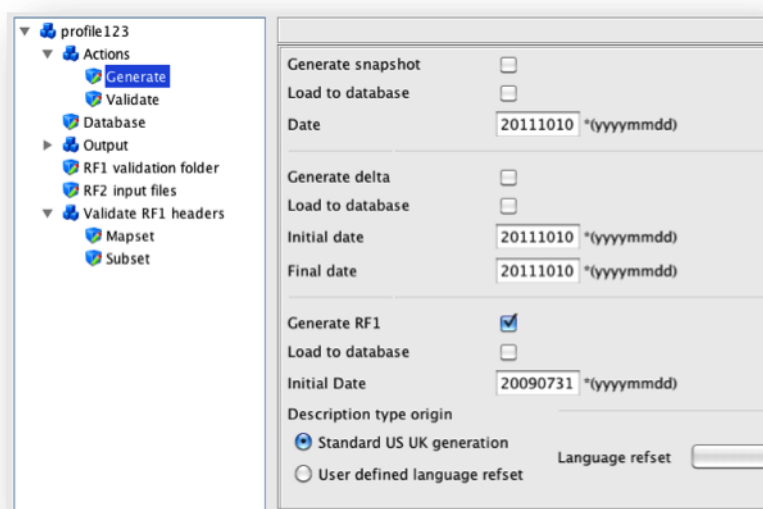




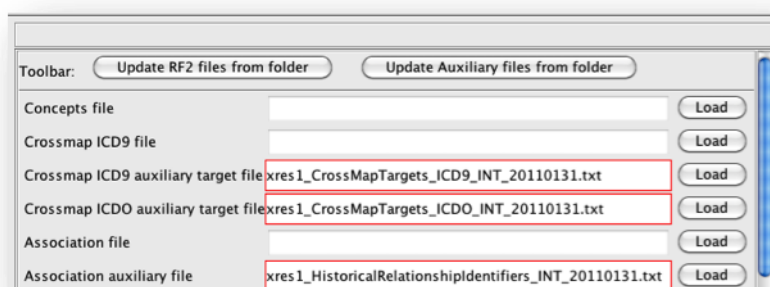
2.8.2 Configuration

The left panel shows a tree with all the configuration files, and for each file shows the hierarchy of profiles and configuration options.

Clicking on each configuration option will display a properties panel on the right section, where options can be visualized and updated.

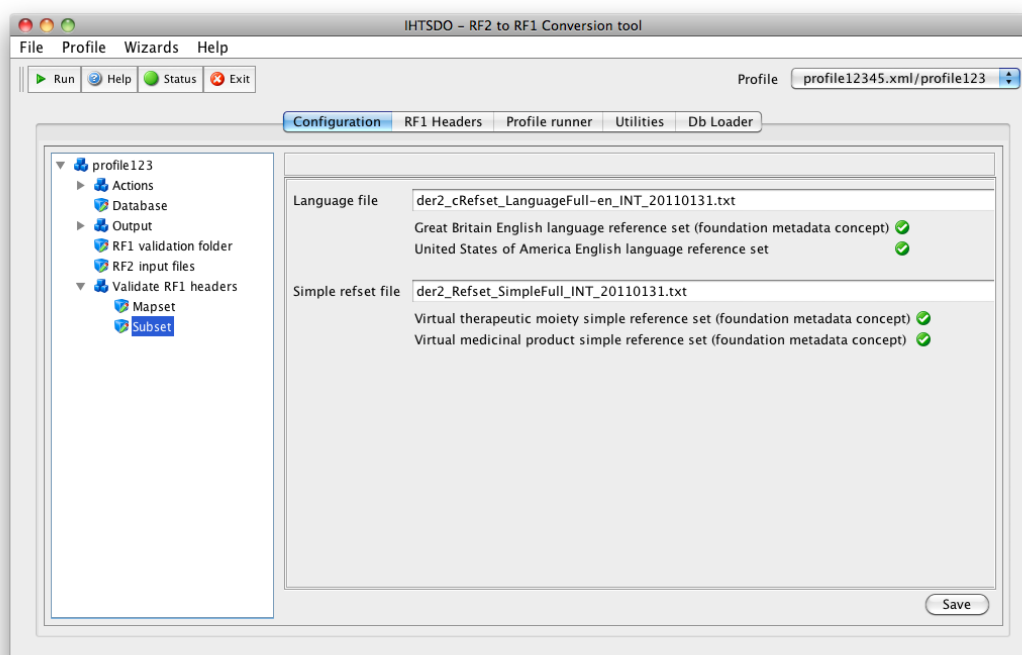


The “RF2 input files” option provides a way of specifying the source RF2 for the conversion, both the terminology content and the auxiliary compatibility package. Files can be specified one by one, or by using the shortcut buttons: “Update RF2 files from folder” and “Update Auxiliary files from folder”.



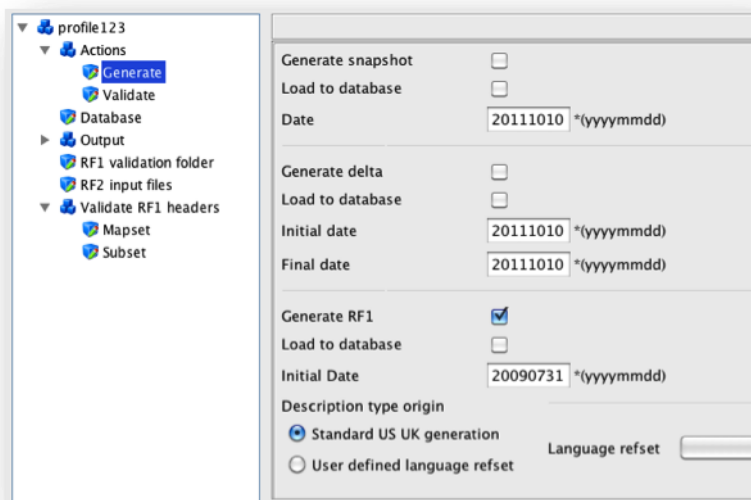
The shortcut buttons require the selection of a folder with files that follow the IHTSDO file naming conventions, either for RF2 content or Auxiliary files, the specific file types will be inferred from the content of that folder and the options below will be updated with new values.

The “Validate RF1 Headers” node groups the subset and mapset metadata verification.



Upon selecting one of these options the system will go through the entire list of refsets or mapsets files specified in the profile; and will check if the necessary metadata for the conversion of each refset or mapset concept is present. If the metadata is missing a warning and a button will appear, the button takes the user to the metadata load panel, setup with the required conceptId. In the case of refsets the metadata may be present but not for the desired release, so a new version needs to be created, the system will take the user to the subset metadata load panel with all the default data from the latest previous version, only needing to update the subset Id and version identification. Each time the metadata is updated the metadata validation check is executed again, until all subsets and mapsets validate correctly.

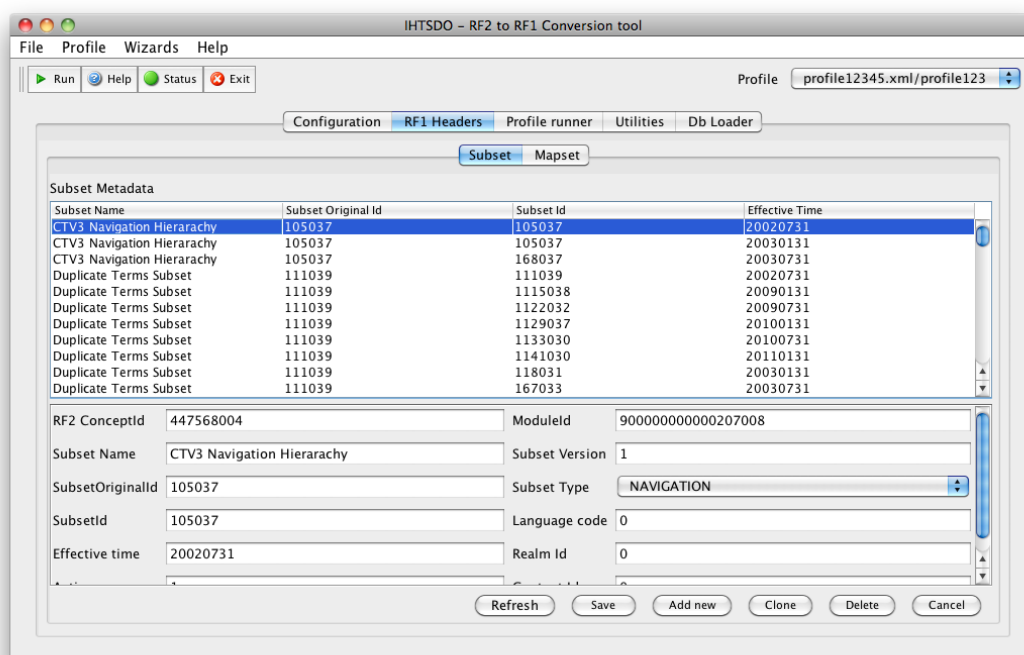
The “Actions” section defines which conversion and validation actions will be performed during the conversion process.



In the generation actions there is the option of adding the “Load to database” option, this will depend on the database configuration and availability of the server over the network. At the end of the conversion process the system will try to upload the new data into the configured database.

2.8.3 RF1 Headers

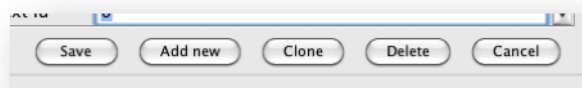
Among the auxiliary files required for the conversion, the subsets and mapsets metadata are key for the creation of a properly formatted subsets and mapsets table in RF1. The content of these auxiliary headers files can be visualized and edited from the “RF1 Headers” panel.





The profile selection on the top menu bar defines in the profile used for the lookup for metadata files location.

Selecting a metadata line makes it's content available for editing in the bottom form. When editing the following actions are available:

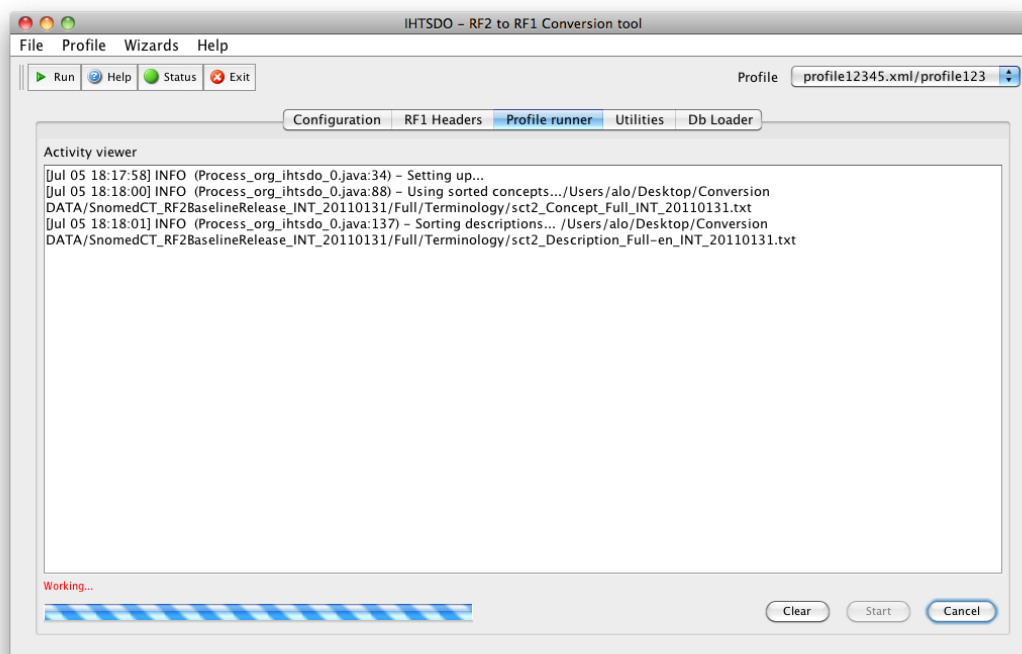


- Save: saves the new data
- Cancel: cleans the form and makes no change in the data
- Delete: deletes the record from the headers file
- Clone: Creates a copy of this record, useful for creating a new version maintaining most of the field's values.

The “Add new” action adds a blank record to the form that can be edited and saved into the headers file.

2.8.4 Profile runner

The profile runner tab executes the process for the selected profile. There main component is the “console” output, the panel that shows live feedback from the running tasks, showing the progress of the process.

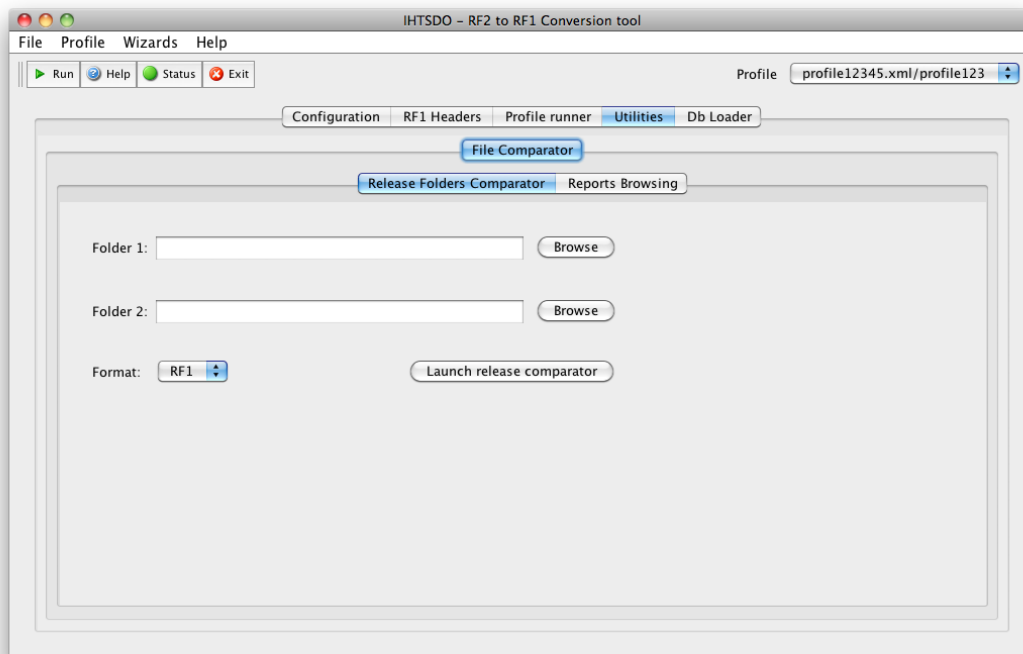


The background task can be started with the “Start” button and interrupted with the “Cancel” button.

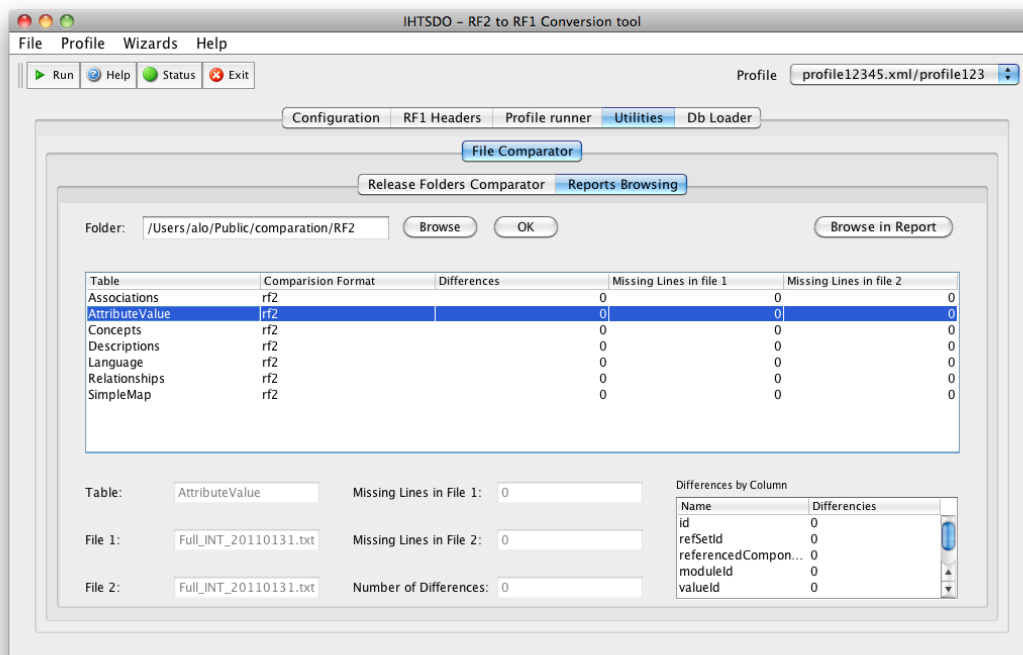


2.8.5 Utilities

A release file comparator tool can be accessed from the “Utilities” tab.



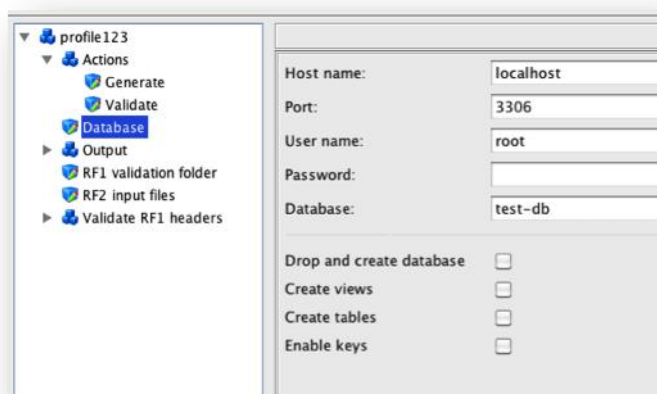
Selecting two folders and the release format (RF1 or RF2) the process will proceed to compare the content of the included files. A differences report will be generated and can be visualized from the “Reports Browsing” tab.



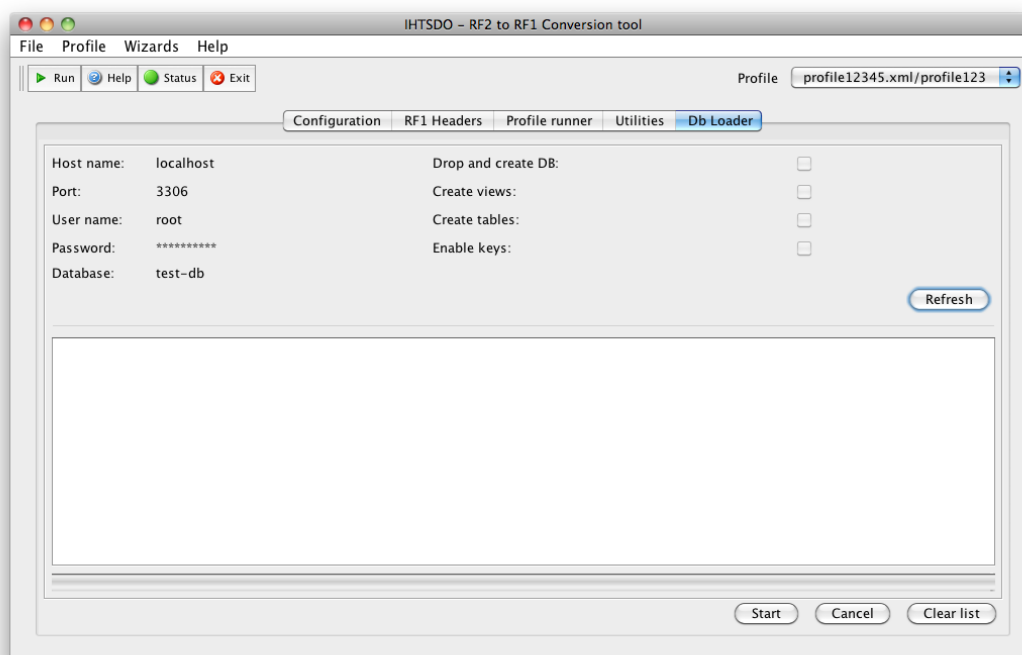


2.8.6 Database Loader

The database loader uploads RF2 full release files into a MySQL database. The database connection details are set in the configuration profile:



The “Db Loader” tab is used to execute the upload and monitor its progress.



2.9 Wizards

A number of wizards have been included to guide users through the conversion process getting and validating the required input files and defining each of the conversion options.

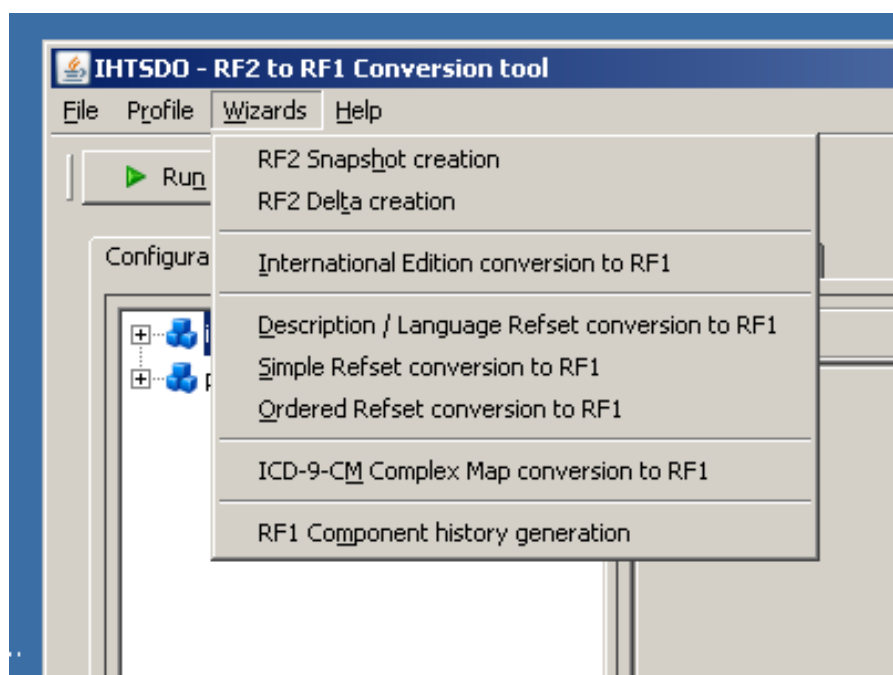


2.9.1 Conversion dependencies

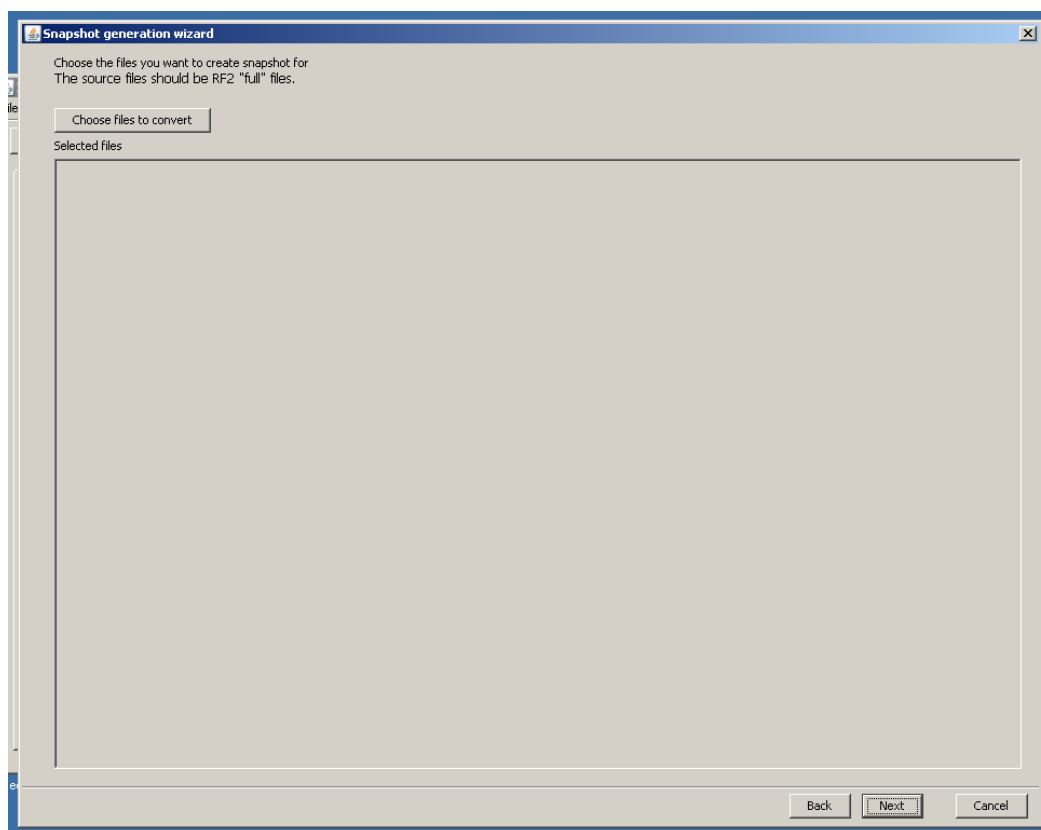
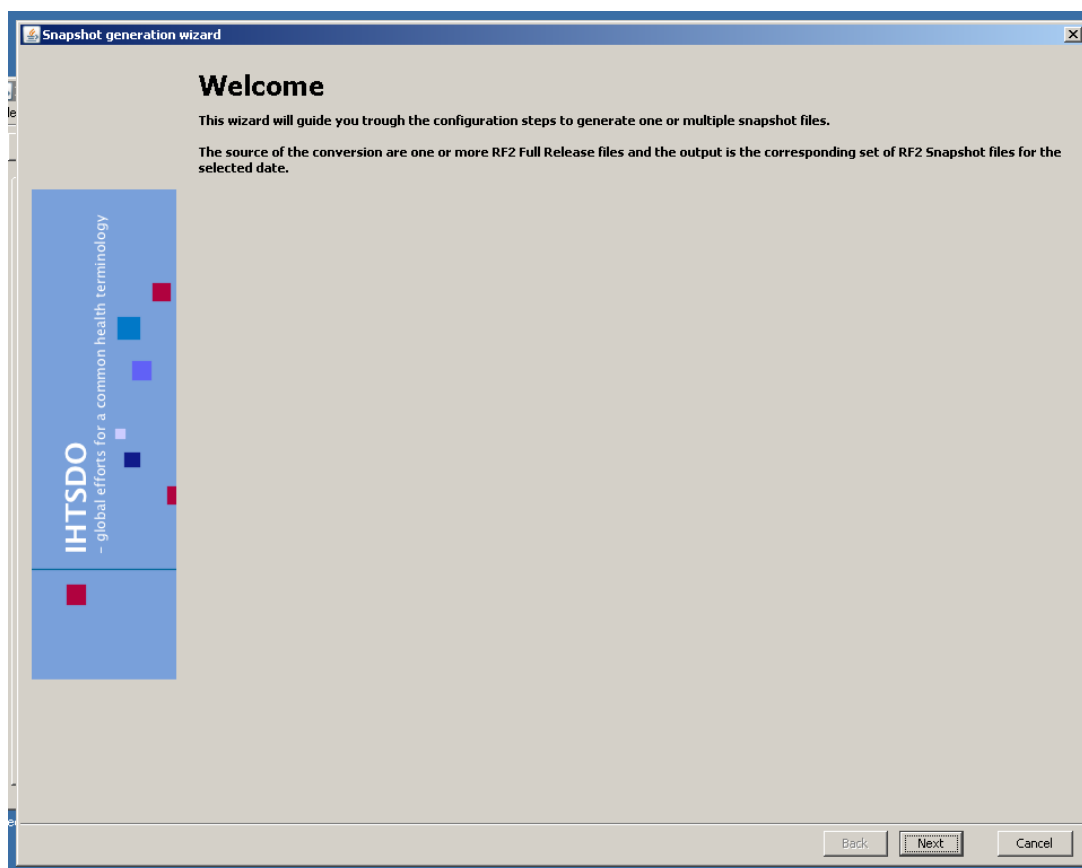
The source files required for a conversion include:

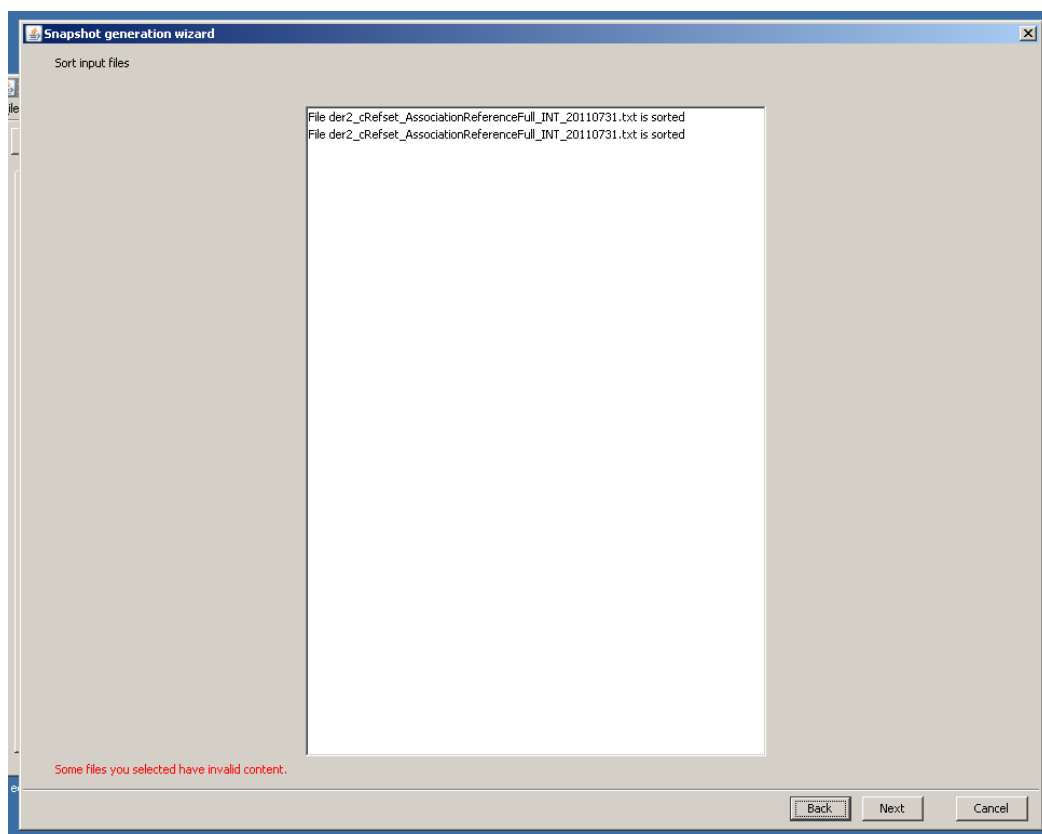
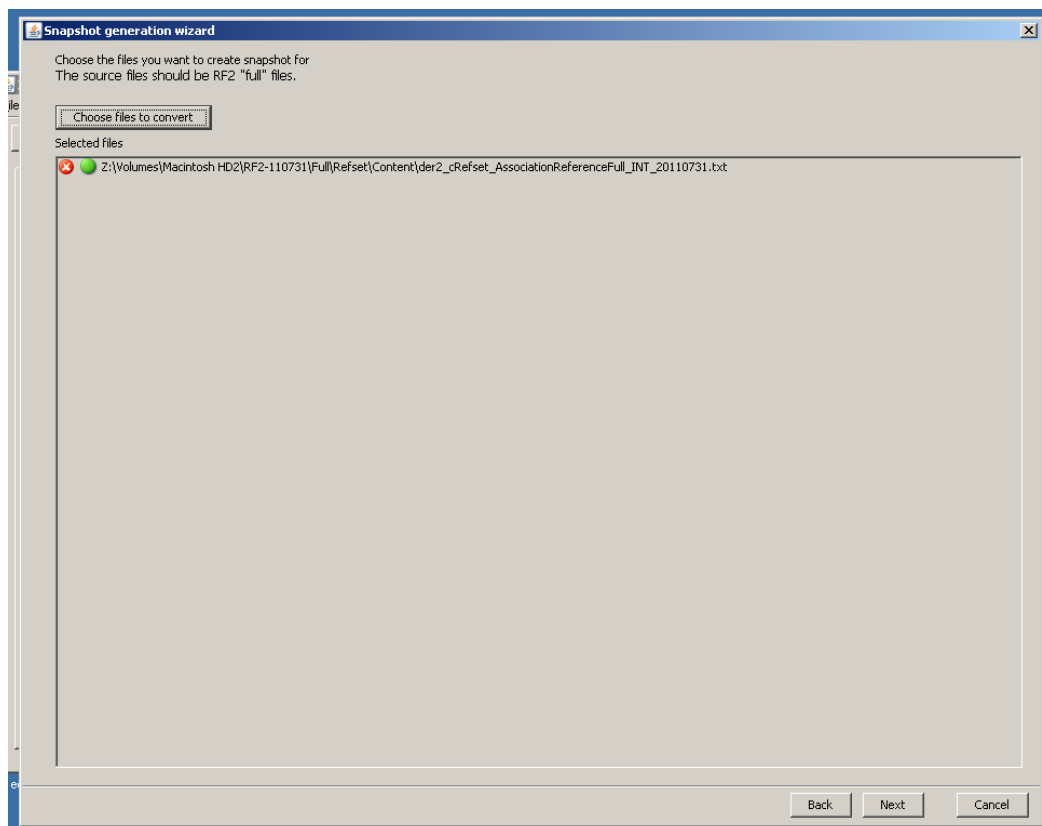
- Direct dependencies: RF2 source files.
 - Example: RF2 language refset and descriptions files are required to transform to RF1.
- Indirect dependencies: Other RF2 files not obviously related to the conversion.
 - Example: RF2 relationships file is required to convert a language refset and relationships, to identify components of the SNOMED Metadata hierarchy that should not be part of the conversion.
- Auxiliary files: files delivered in the RF1 Compatibility Package.
 - Example: A subset headers file containing RF1 Subset metadata is required to convert any refset. This information is not available in RF2 in any other way.

2.9.2 Wizards menu



2.9.3 RF2 Snapshot creation wizard







Snapshot generation wizard

Enter the snapshot date.
Data previous to the selected date should be included in the RF2 full release file and should comply with the format "yyymmdd", for example: "20100131".

Snapshot date: (YYYYDDMM)

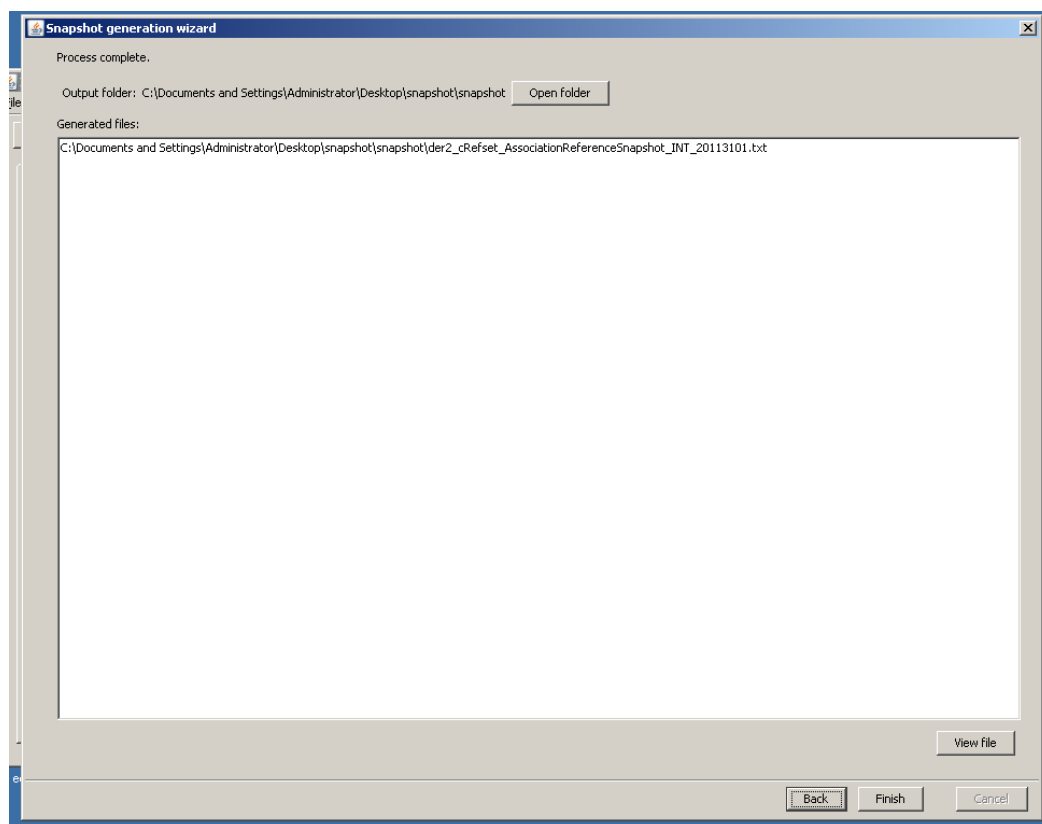
Back Next Cancel

Snapshot generation wizard

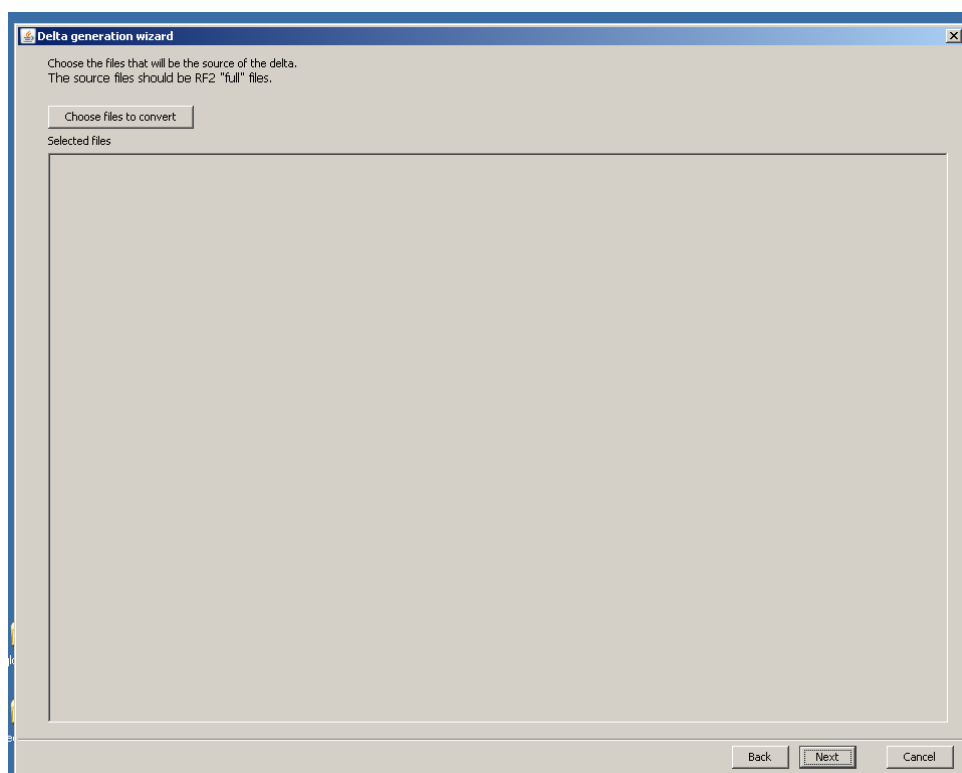
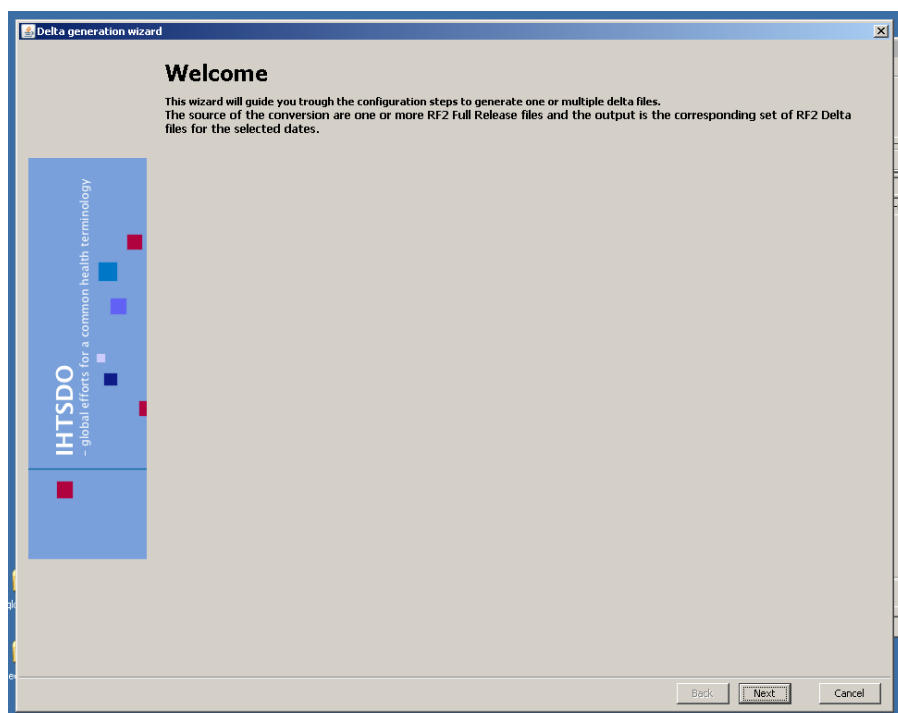
Enter the output folder
The resulting snapshot files will be saved here

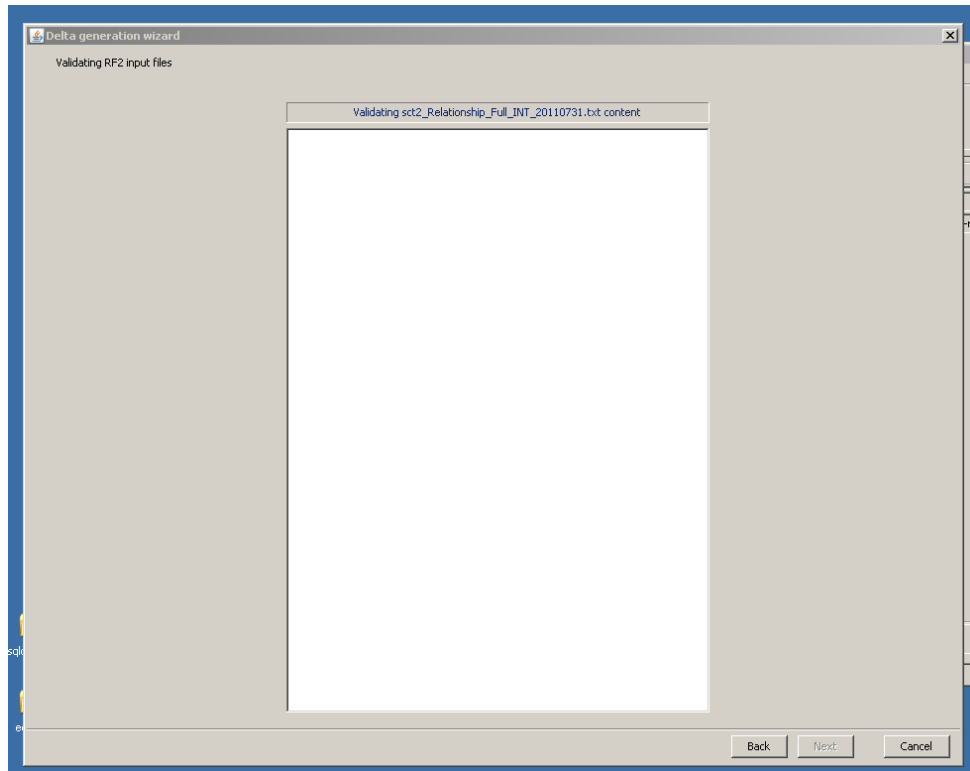
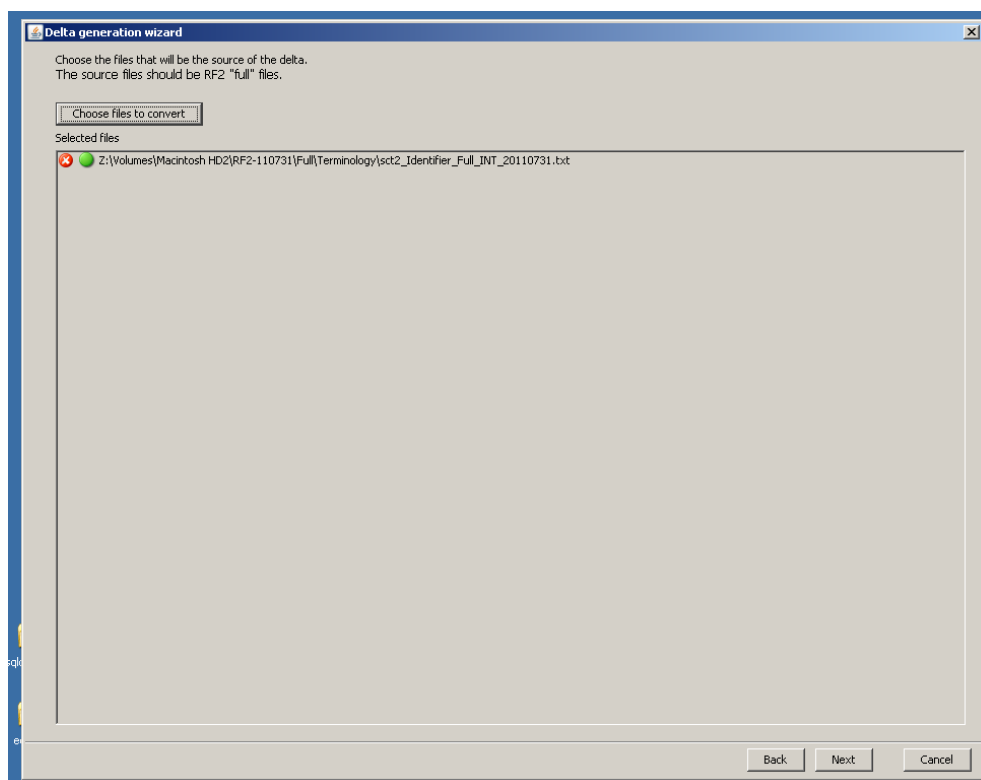
Output folder: Choose folder

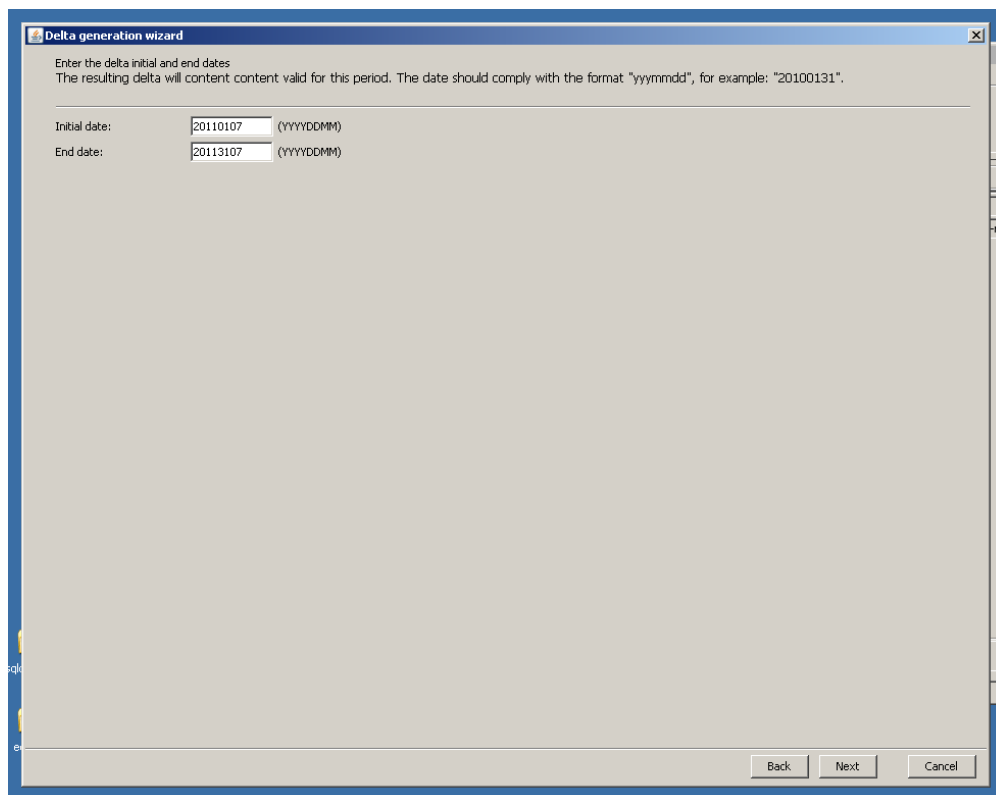
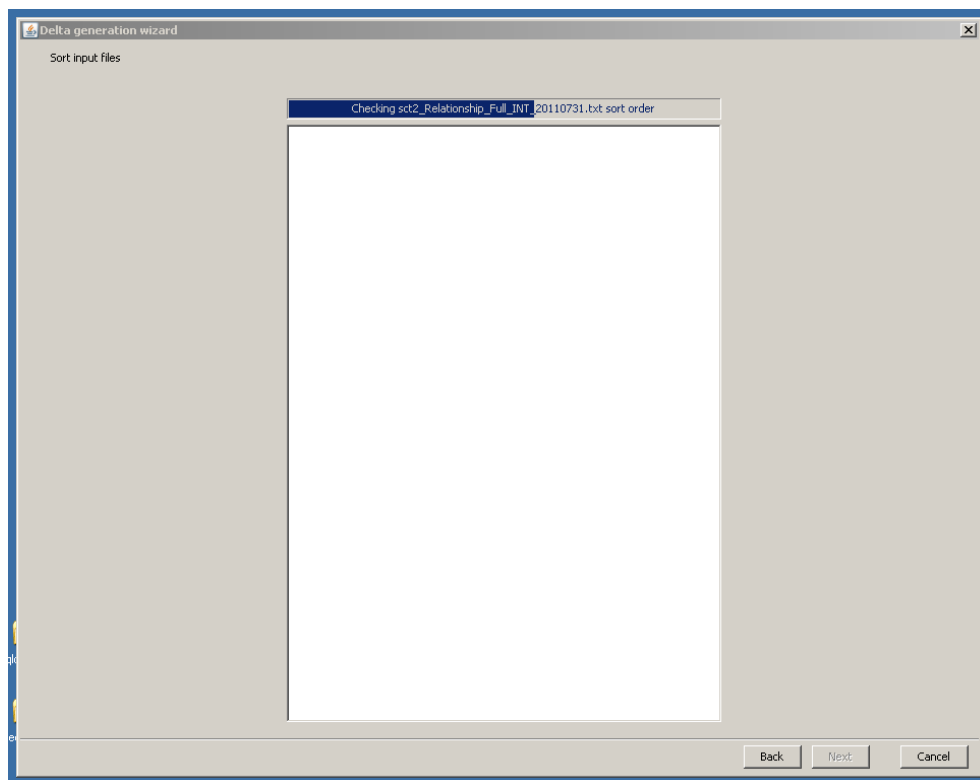
Back Next Cancel

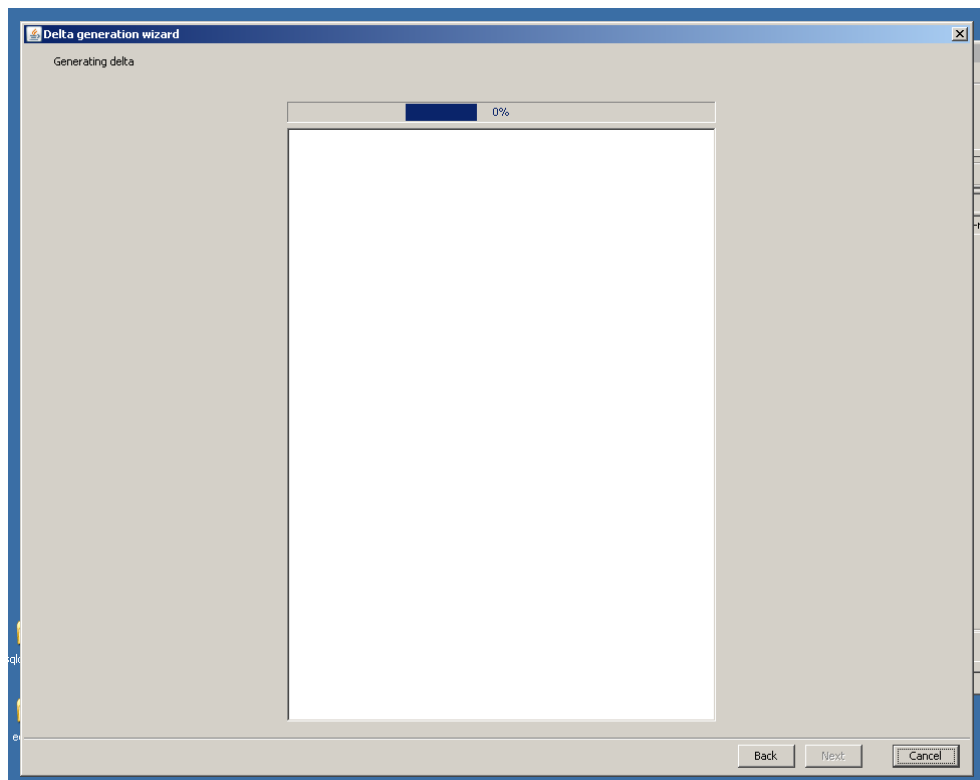
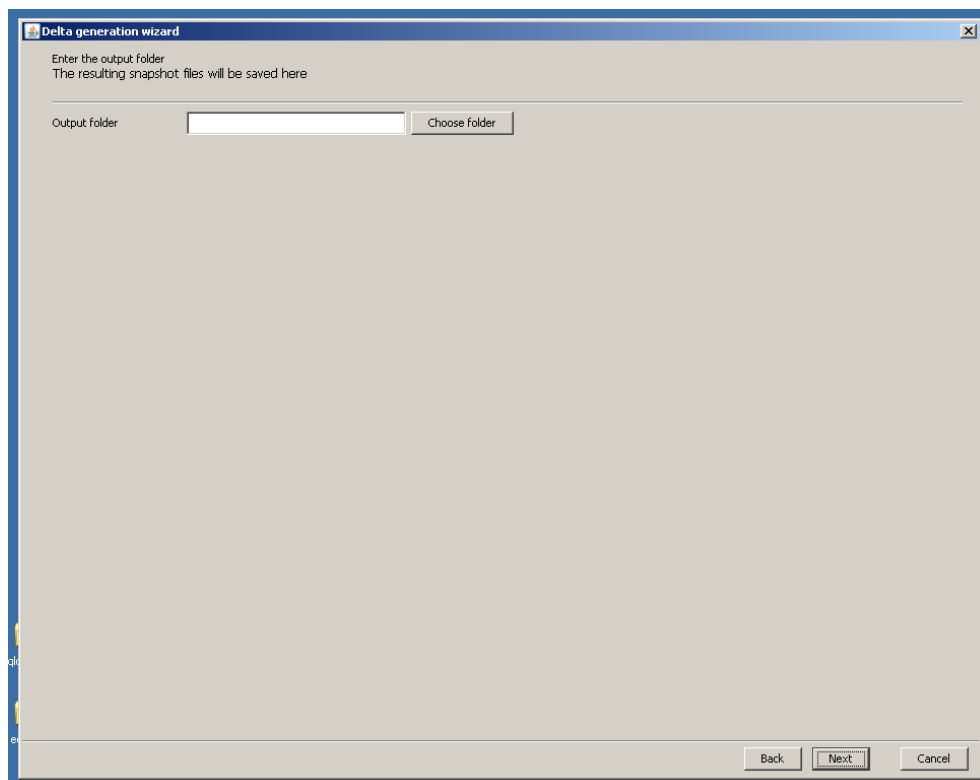


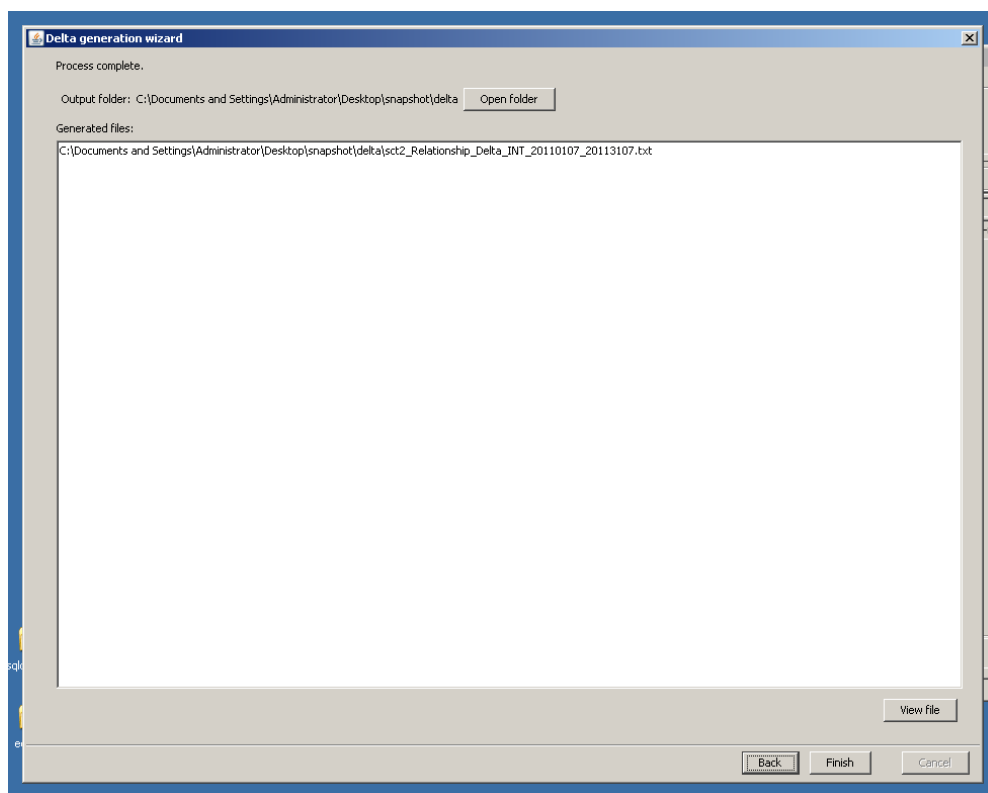
2.9.4 RF2 Delta creation



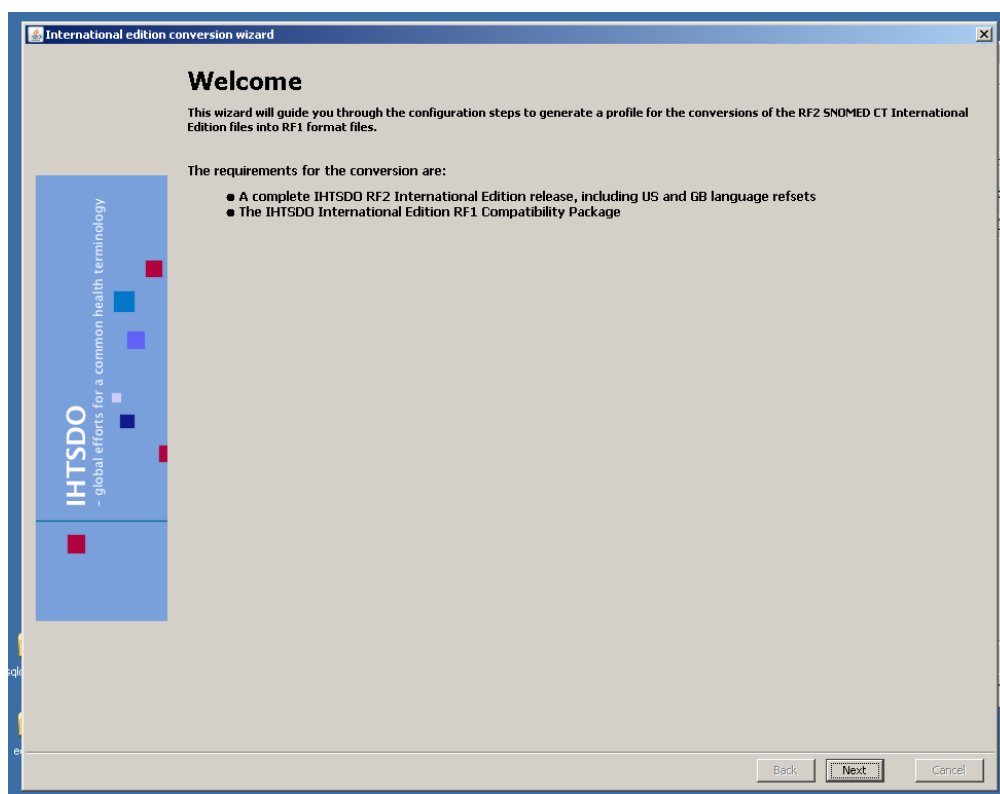


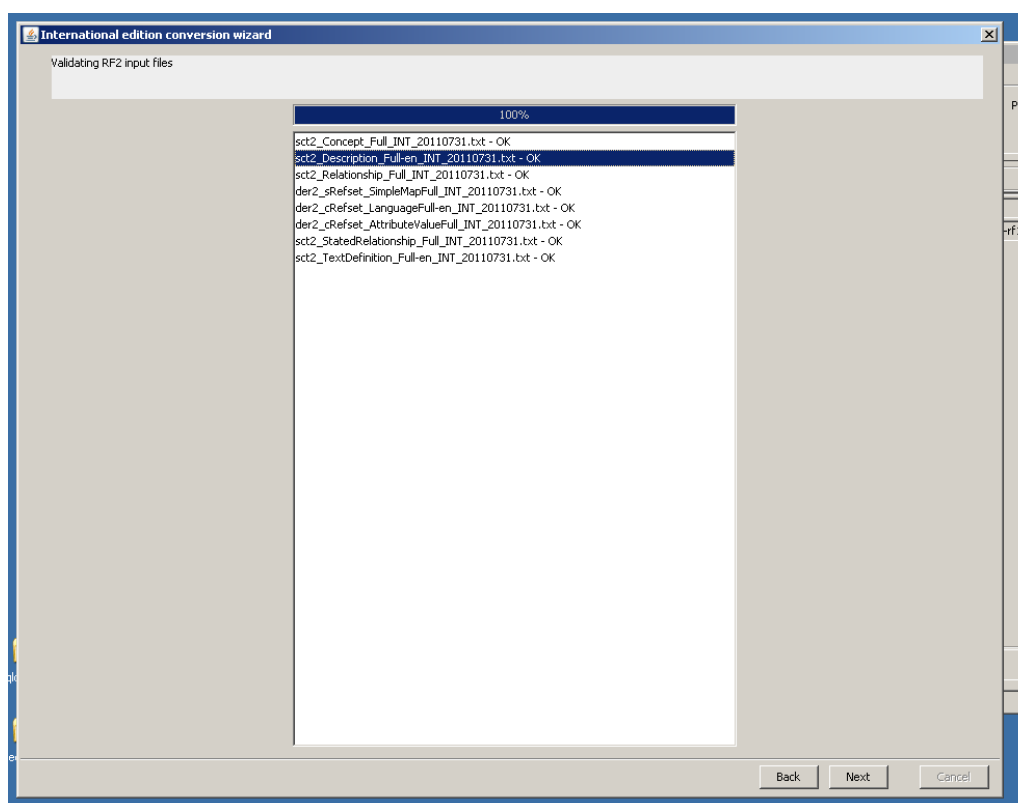
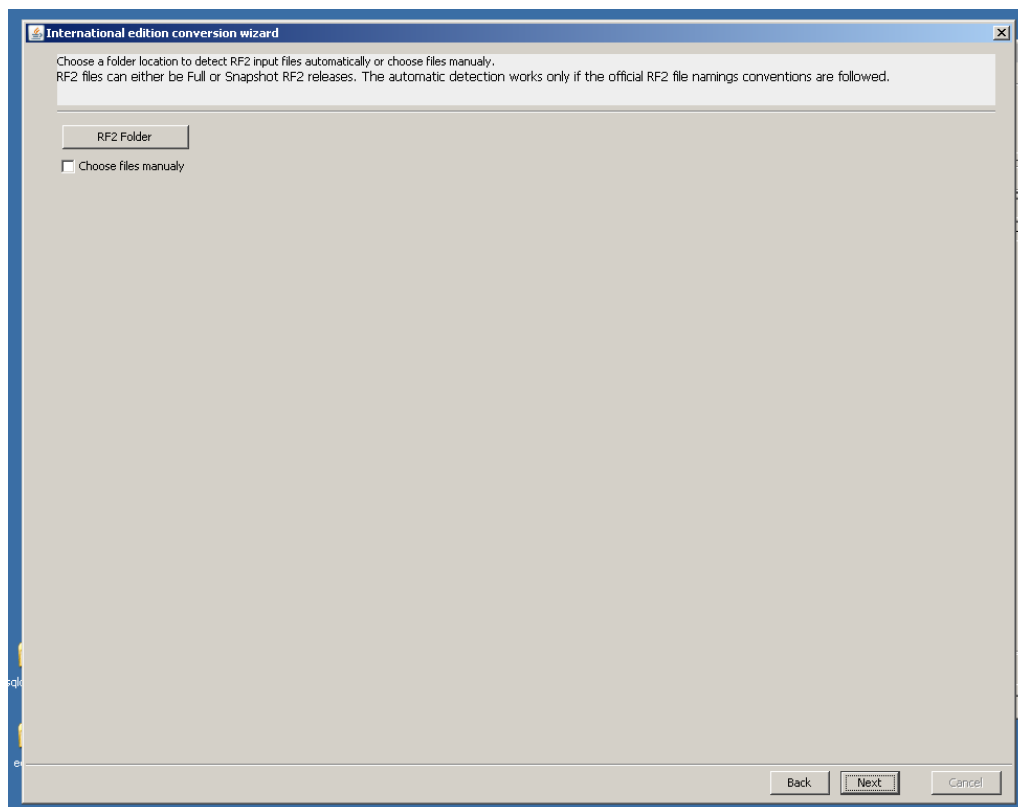


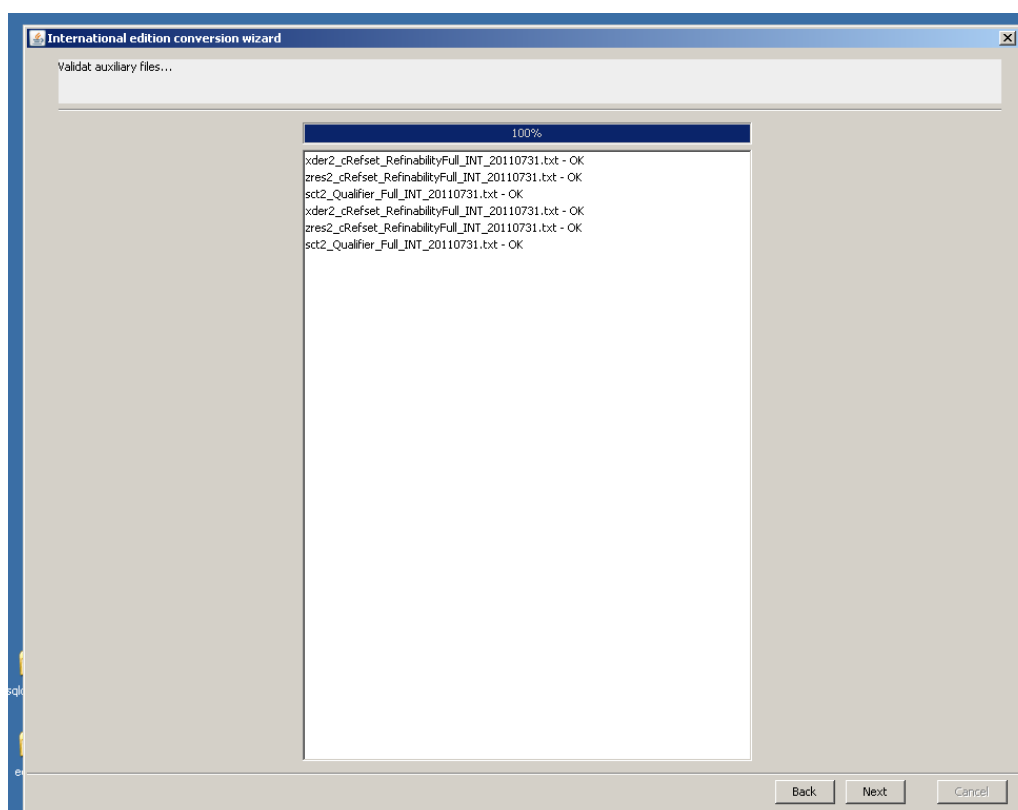
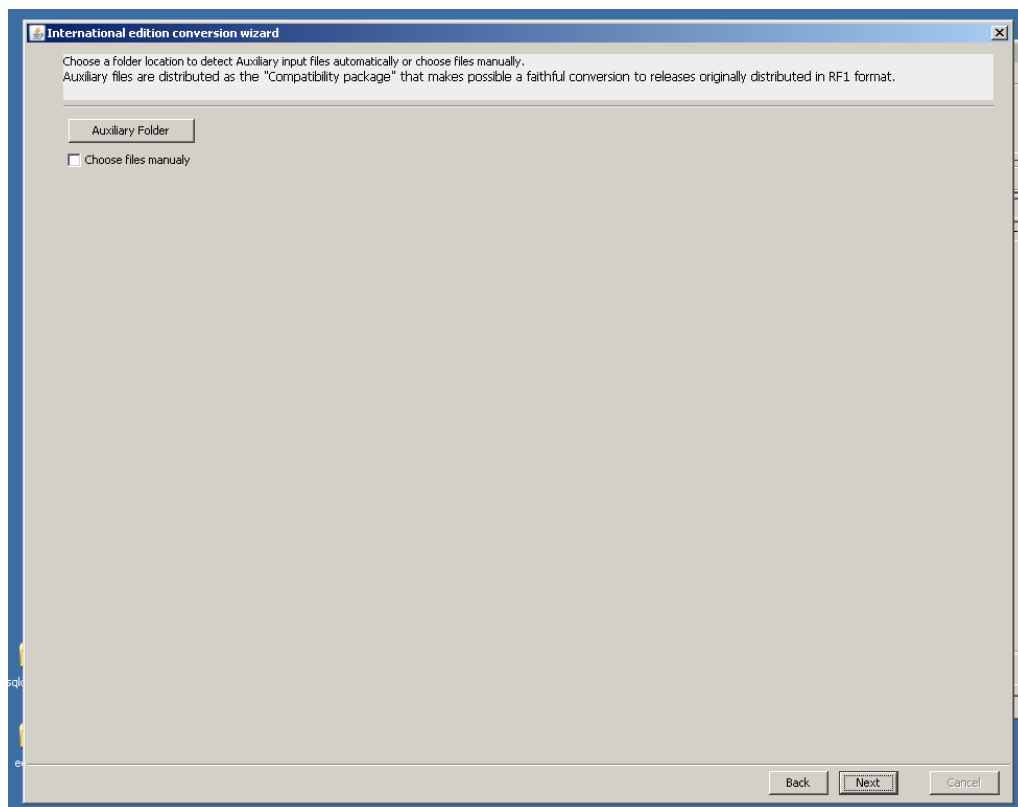


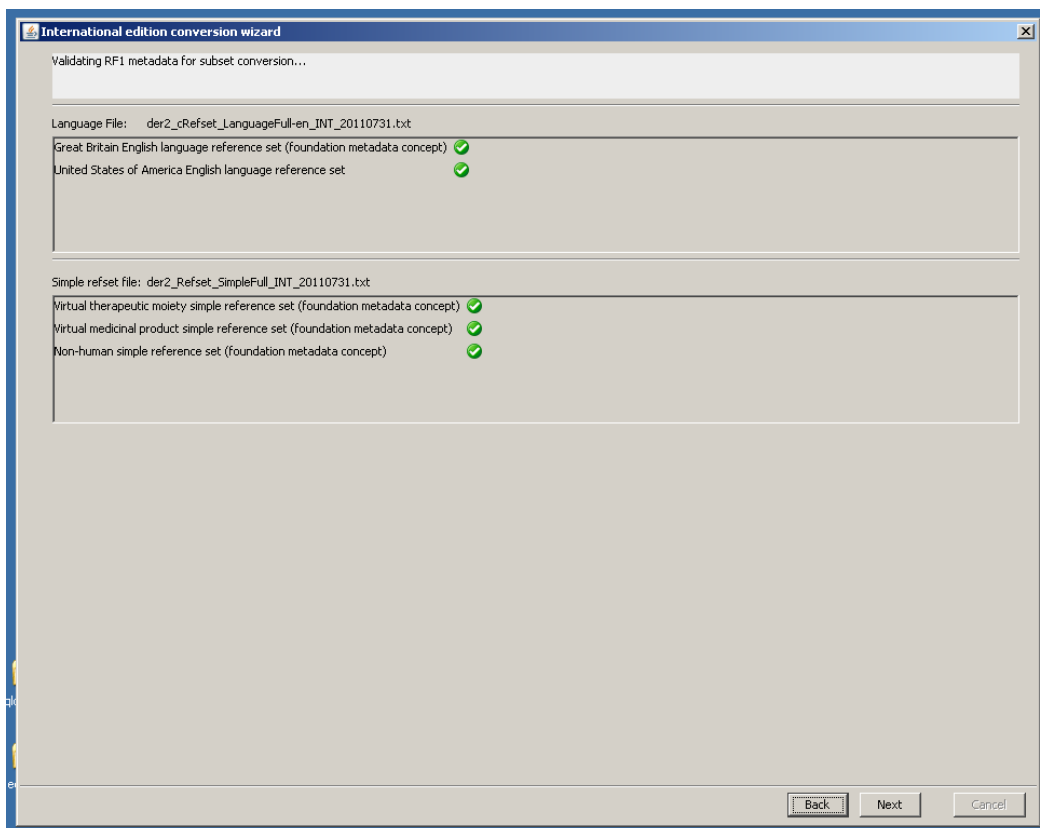
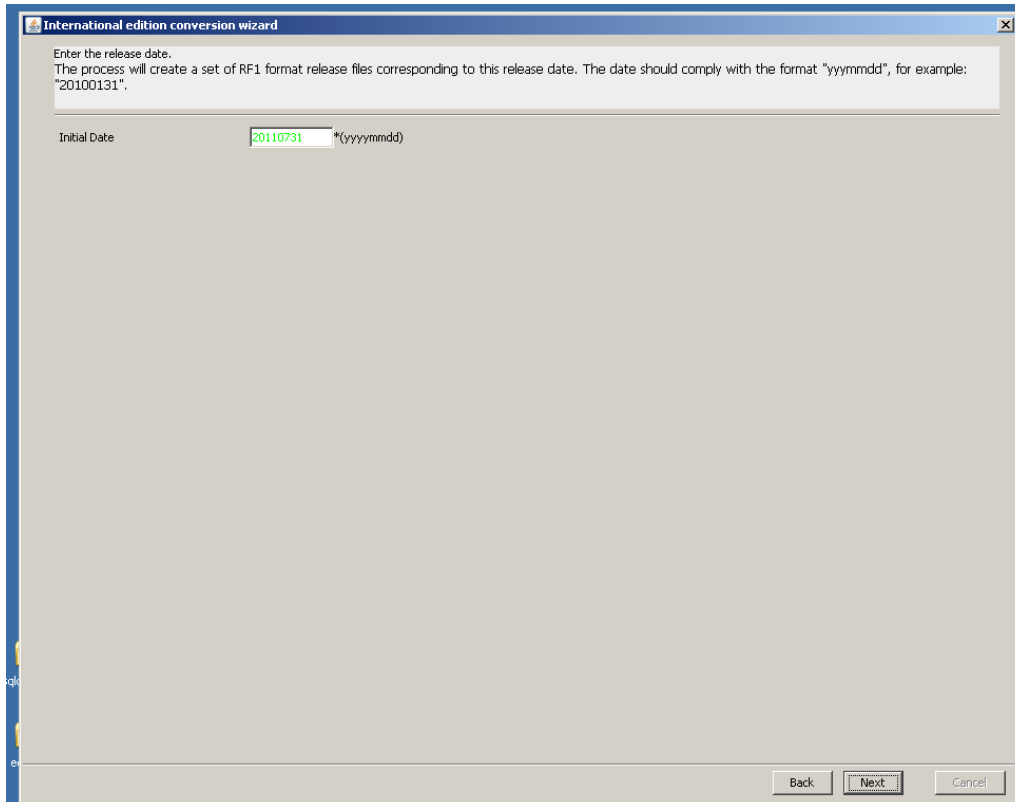


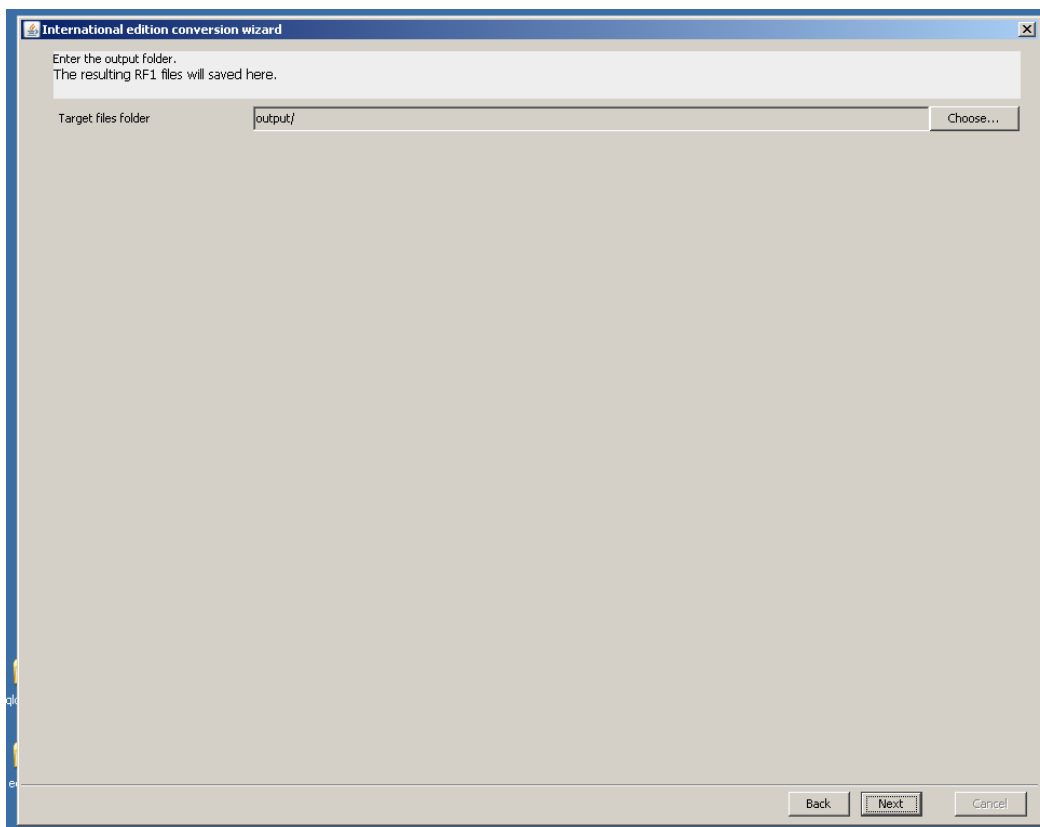
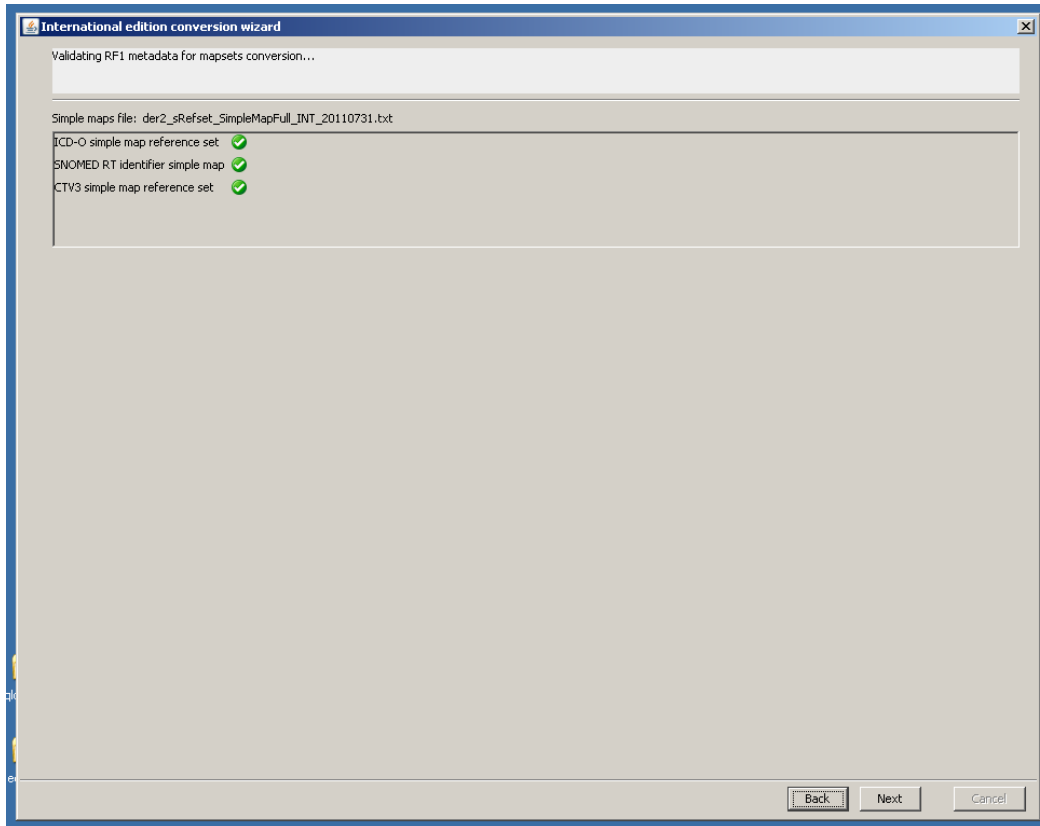
2.9.5 International Edition conversion to RF1 Wizard

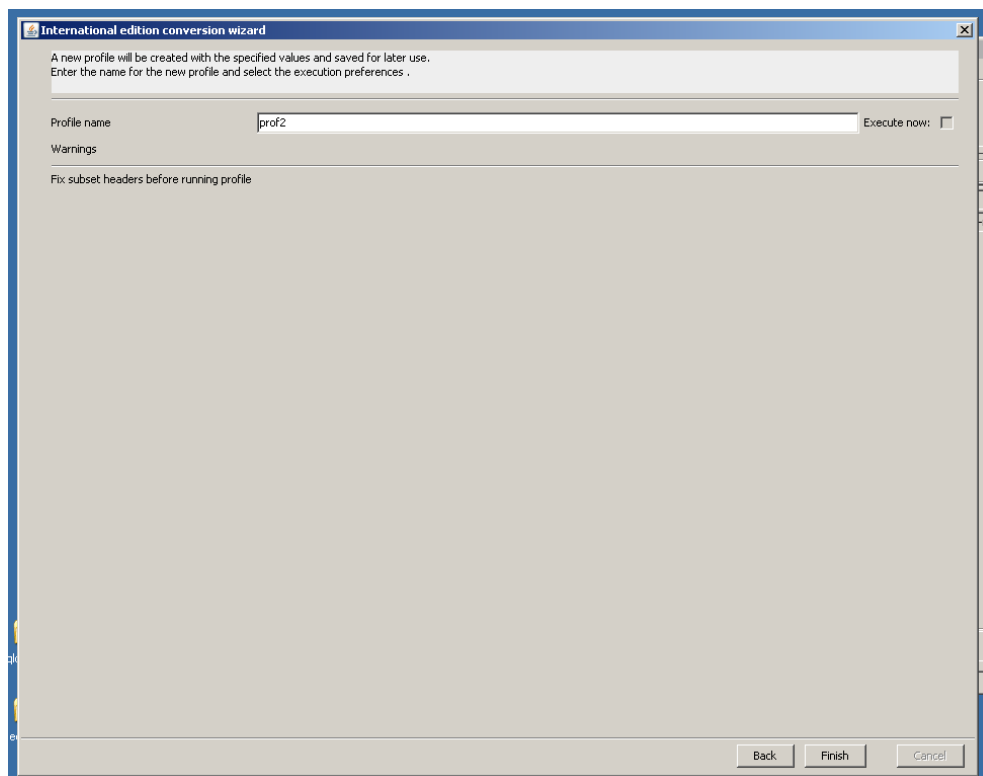




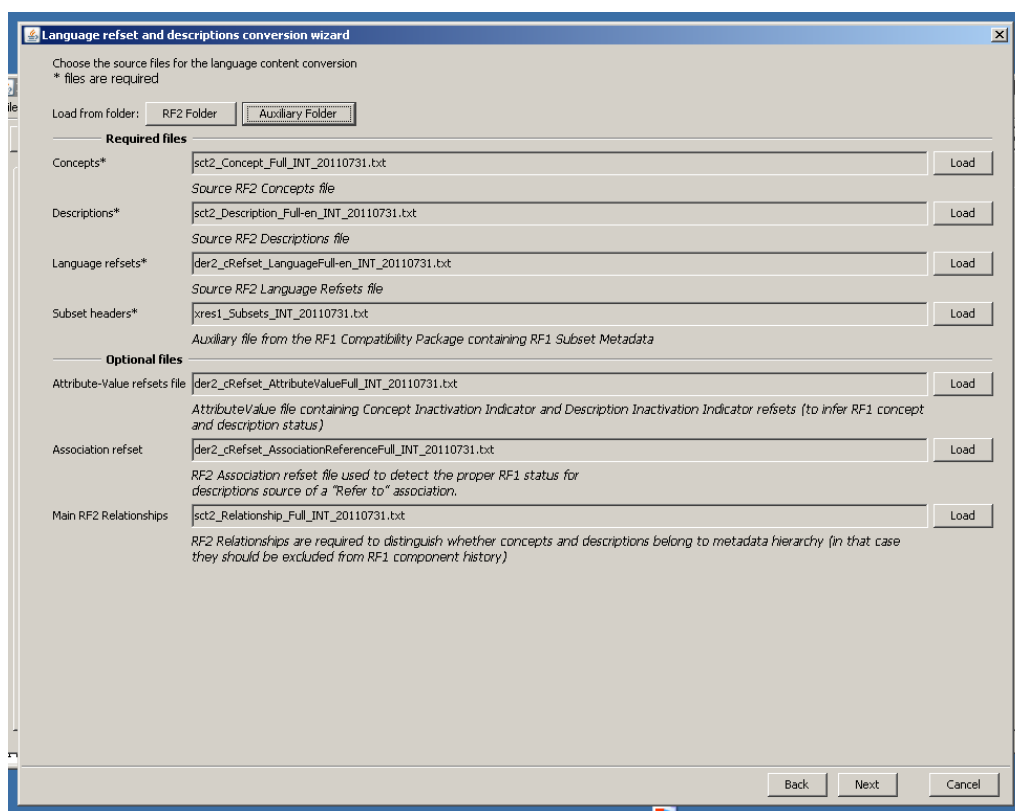
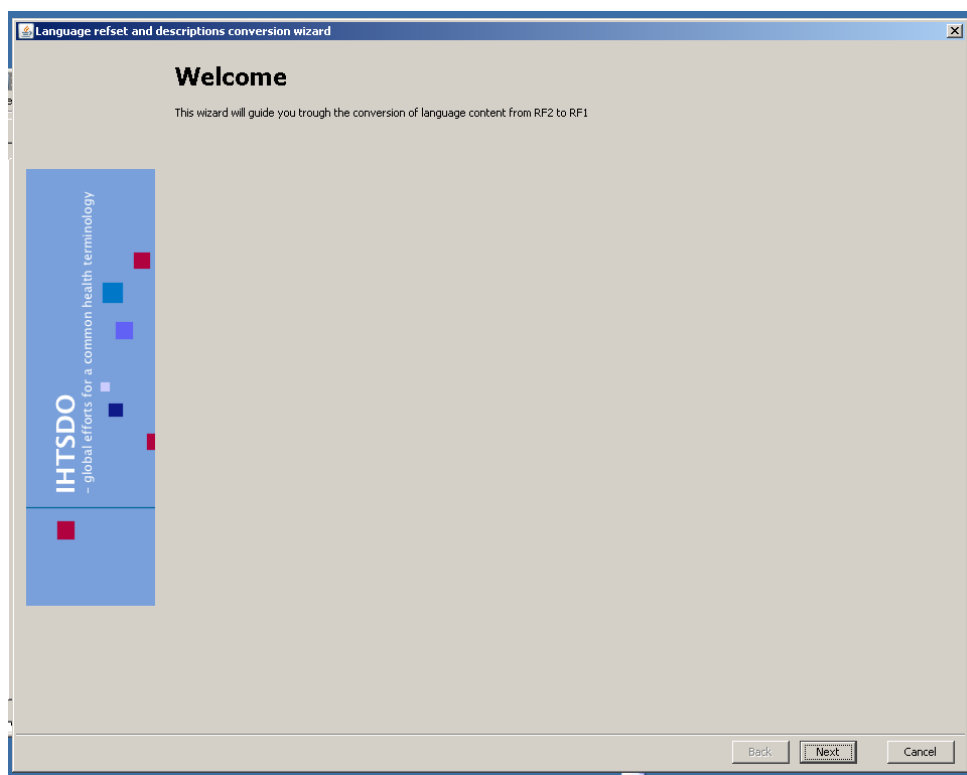


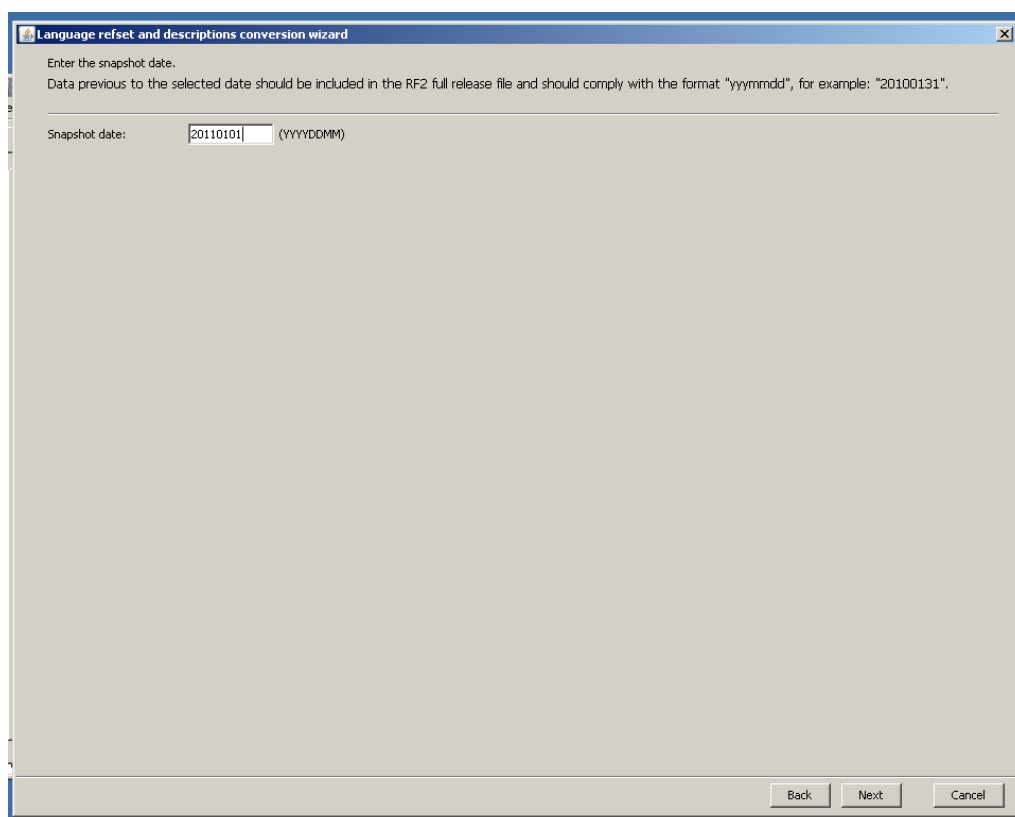
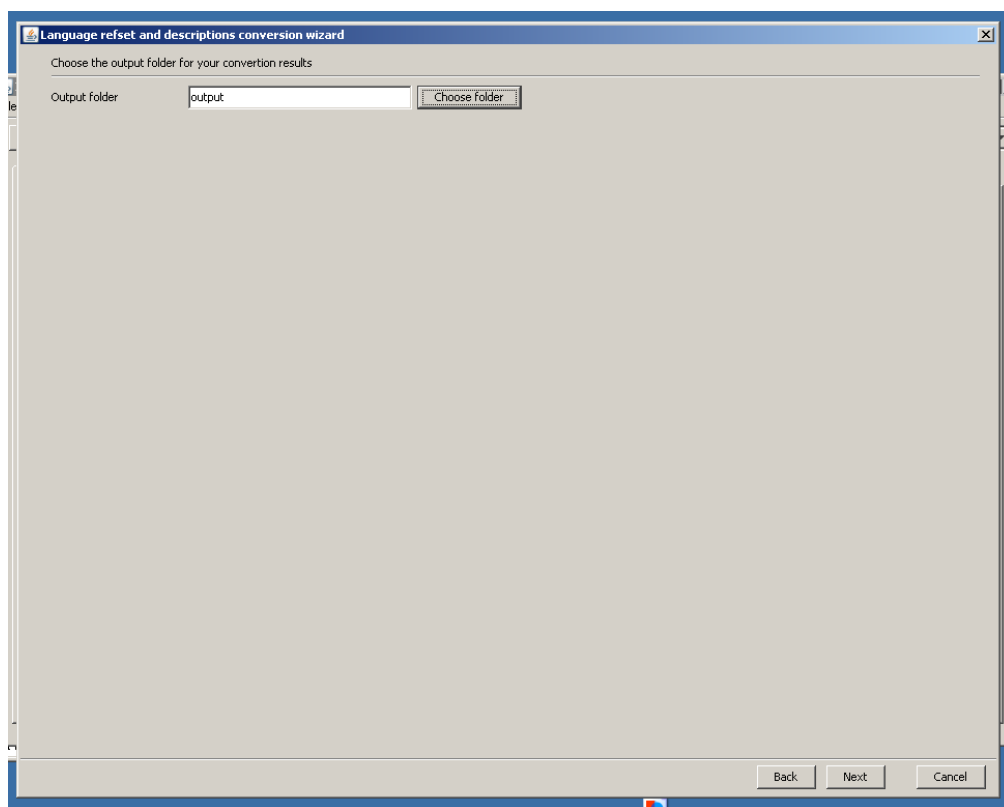






2.9.6 Description / Language Refset conversion to RF1







Language refset and descriptions conversion wizard

Select refsetid...

File name: der2_cRefset_LanguageFull-en_INT_20110731.txt

Great Britain English language reference set (foundation metadata concept)

United States of America English language reference set

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Language refset and descriptions conversion wizard

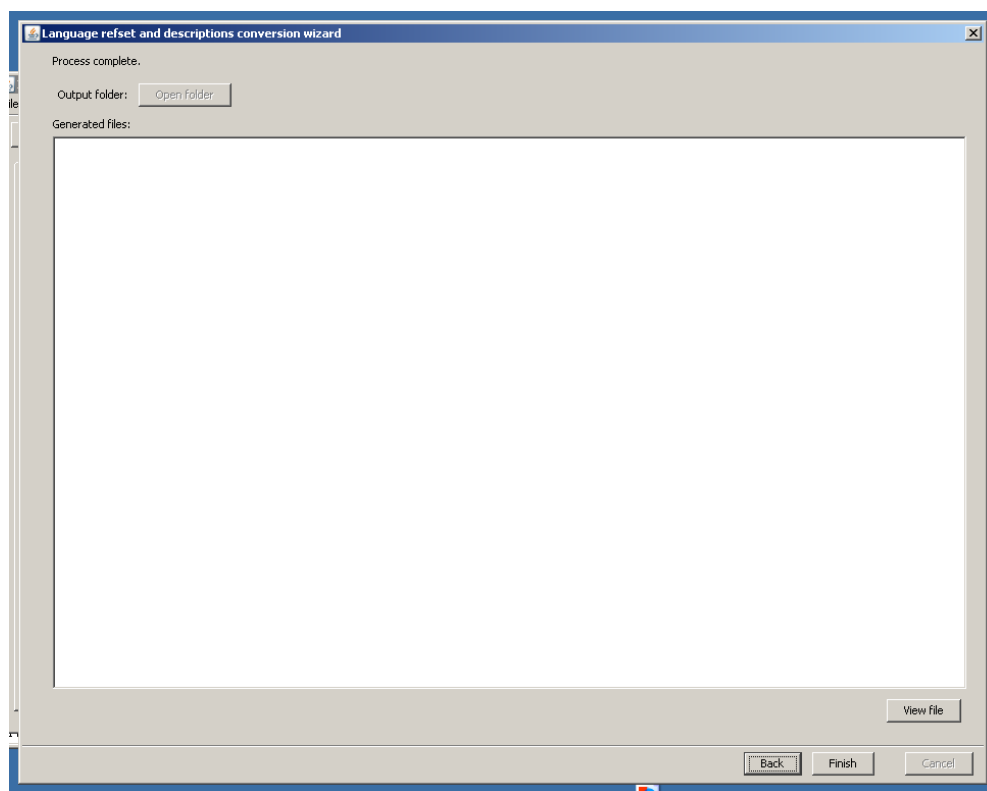
Checking subset headers

Metadata not found for refsetId: 90000000000508004

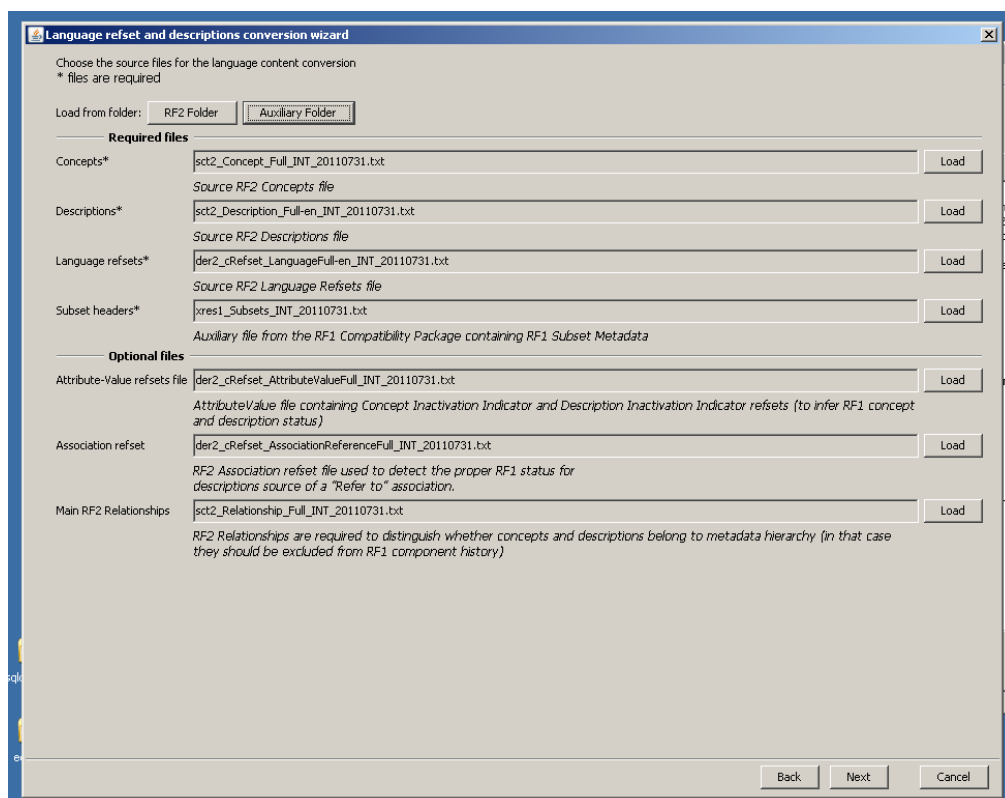
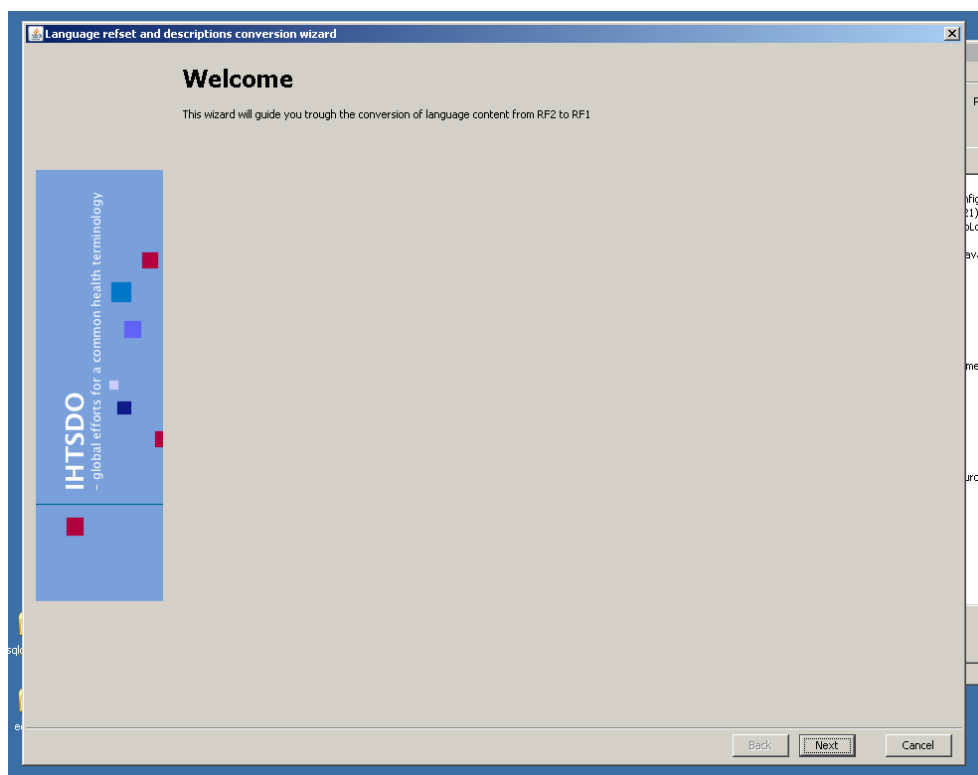
RF2 ConceptId*	90000000000508004	ModuleId	
Subset Name		Subset Version	
SubsetOriginalId		Subset Type	LANGUAGE
SubsetId*	90000000000508003	Language code*	ES
Effective time	20110101	Realm Id	
Active	1	Context Id	

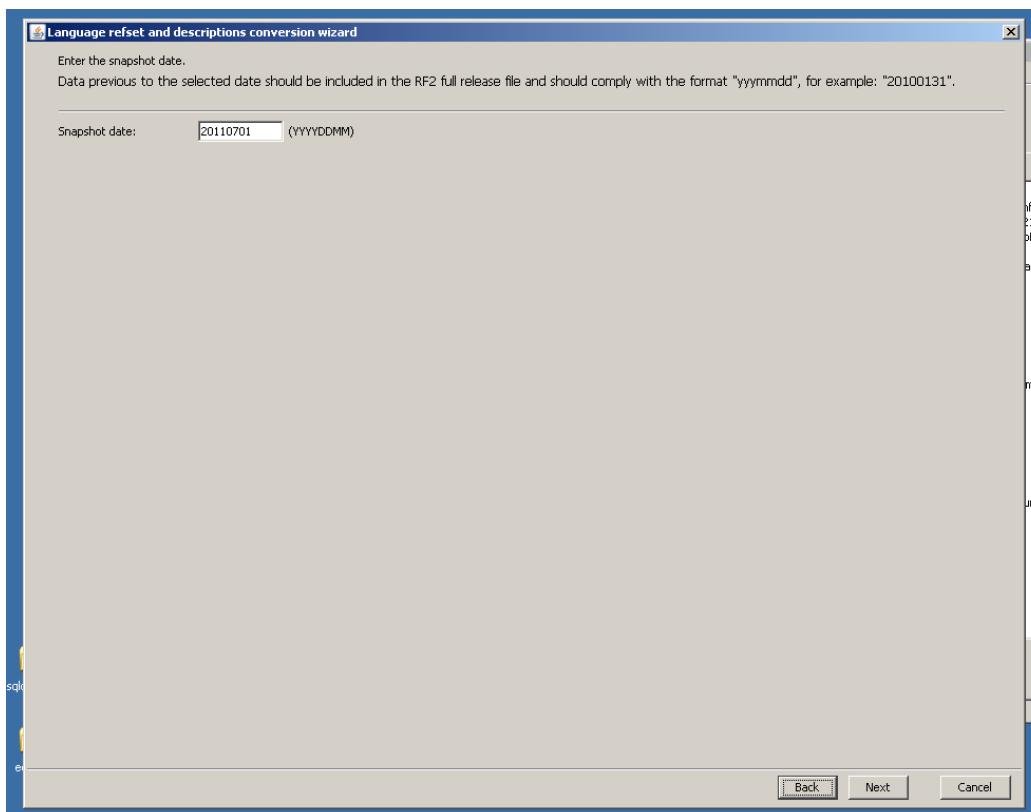
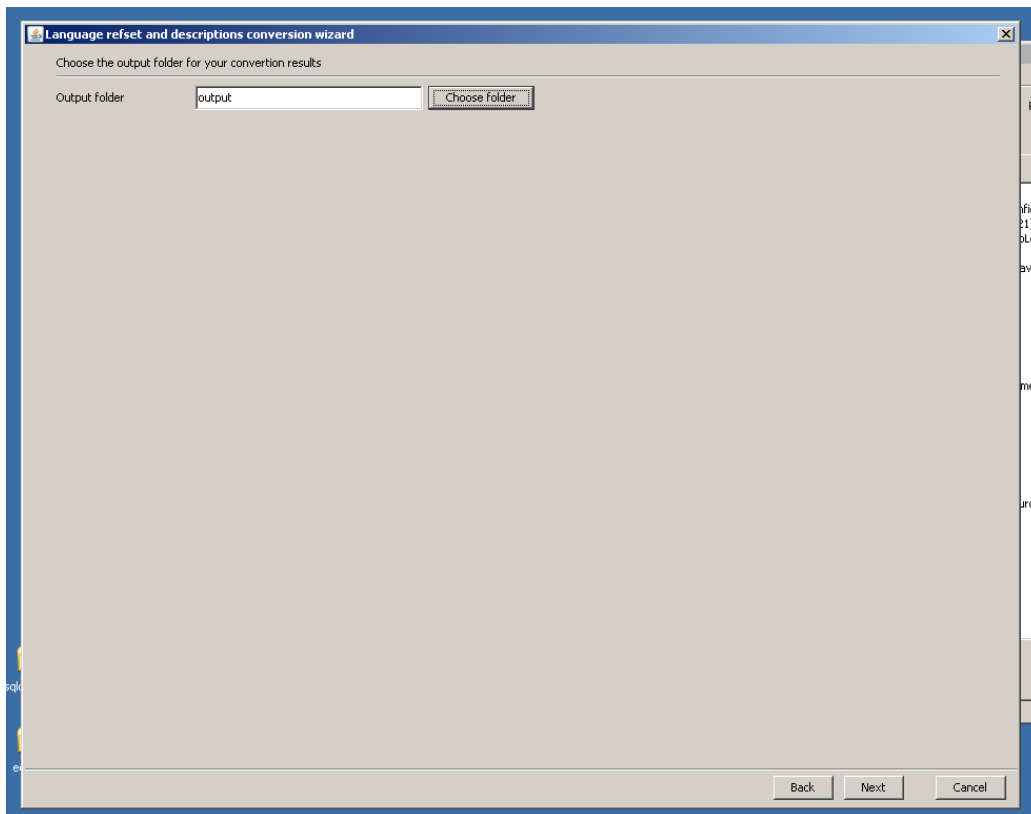
Save

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2.9.7 Simple Refset conversion to RF1 wizard







Language refset and descriptions conversion wizard

Select refsetid...

File name: der2_cRefset_LanguageFull-en_INT_20110731.txt

Great Britain English language reference set (foundation metadata concept)

United States of America English language reference set

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Language refset and descriptions conversion wizard

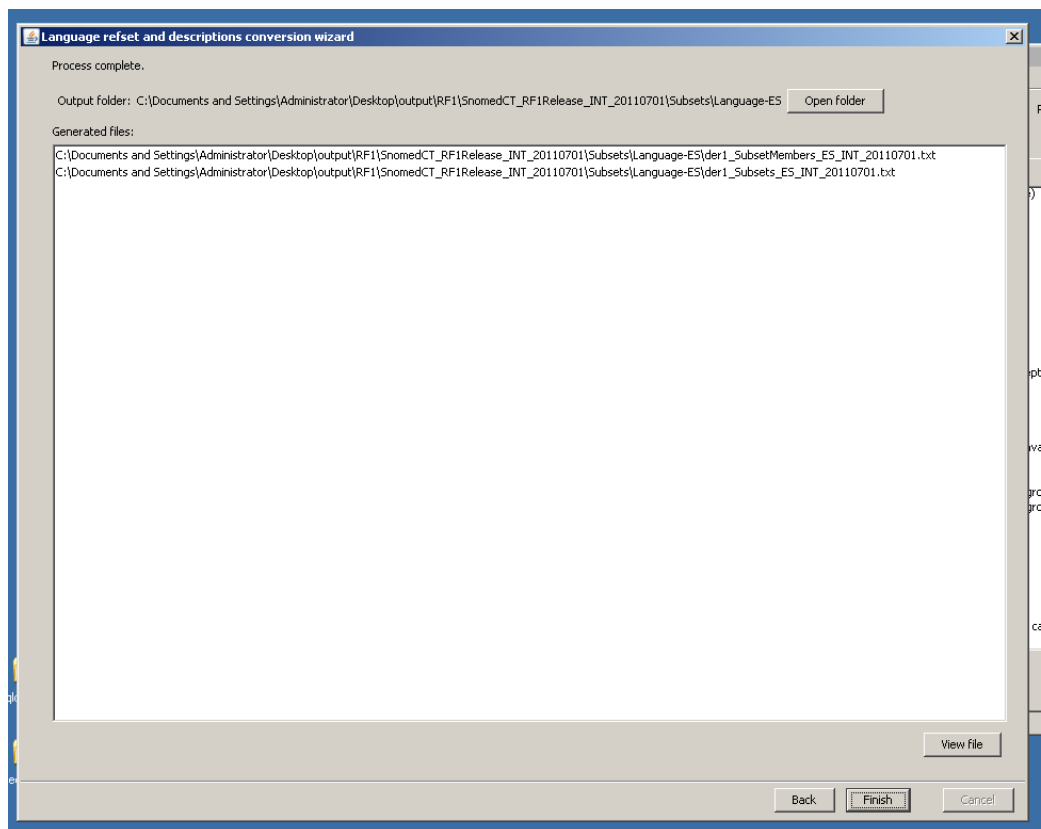
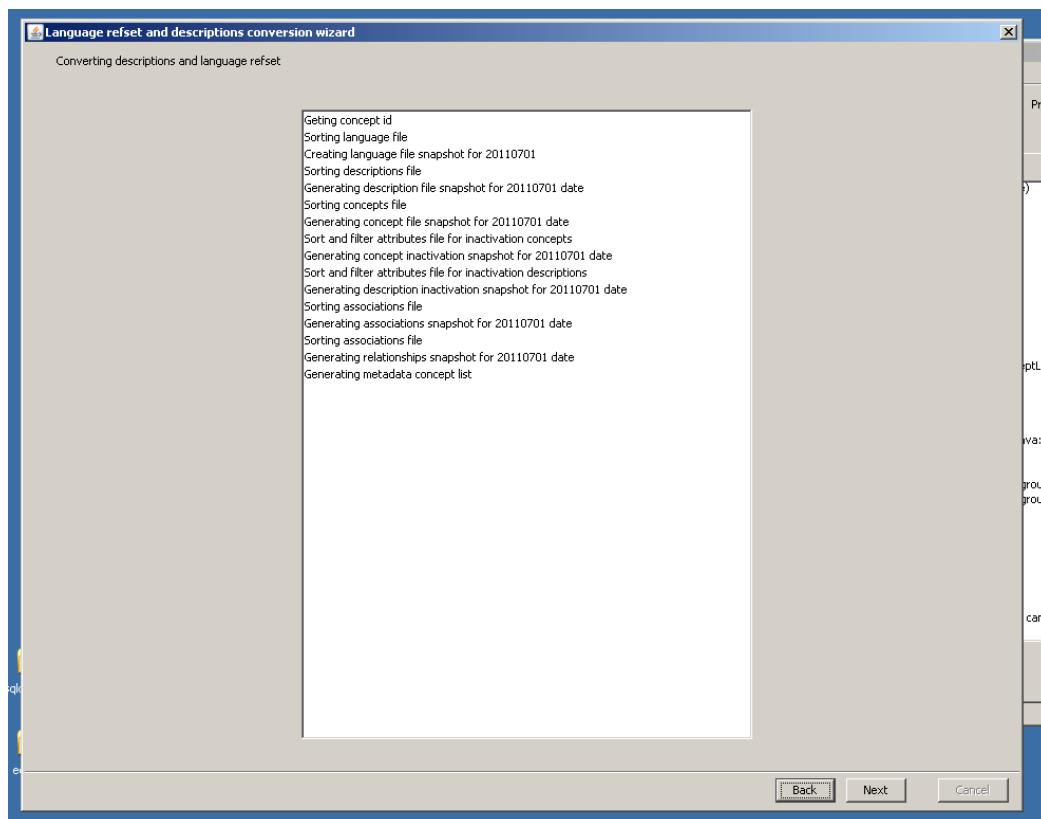
Checking subset headers

Metadata not found for refsetid: 90000000000508004

RF2 ConceptId*	90000000000508004	ModuleId	
Subset Name		Subset Version	
SubsetOriginalId		Subset Type	LANGUAGE
SubsetId*		Language code*	
Effective time	20110701	Realm Id	
Active	1	Context Id	

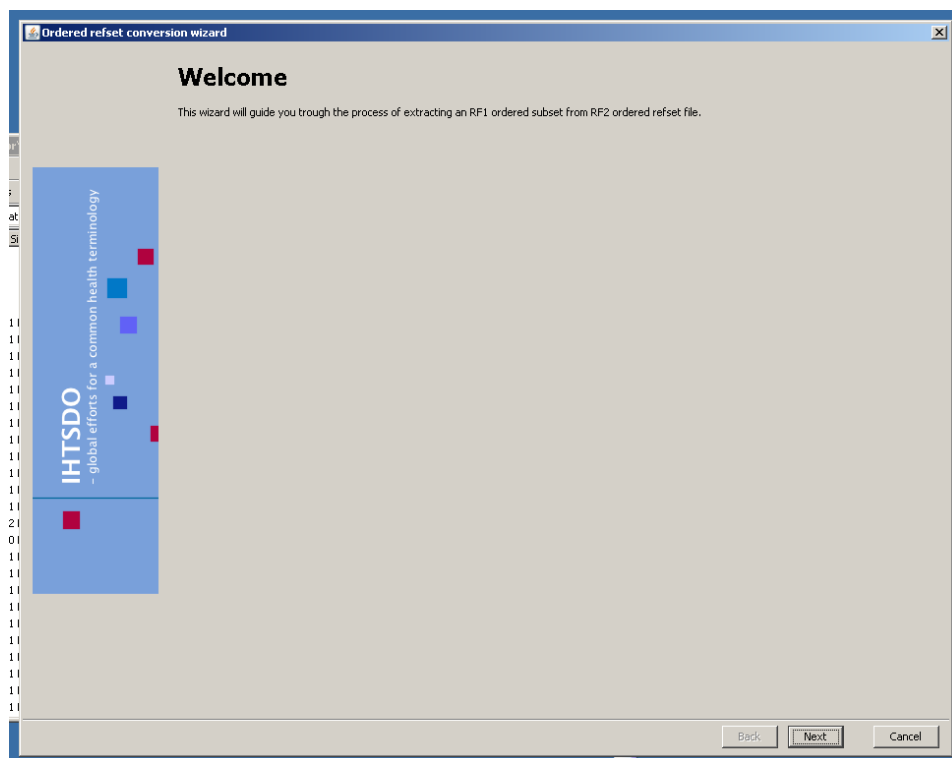
Save

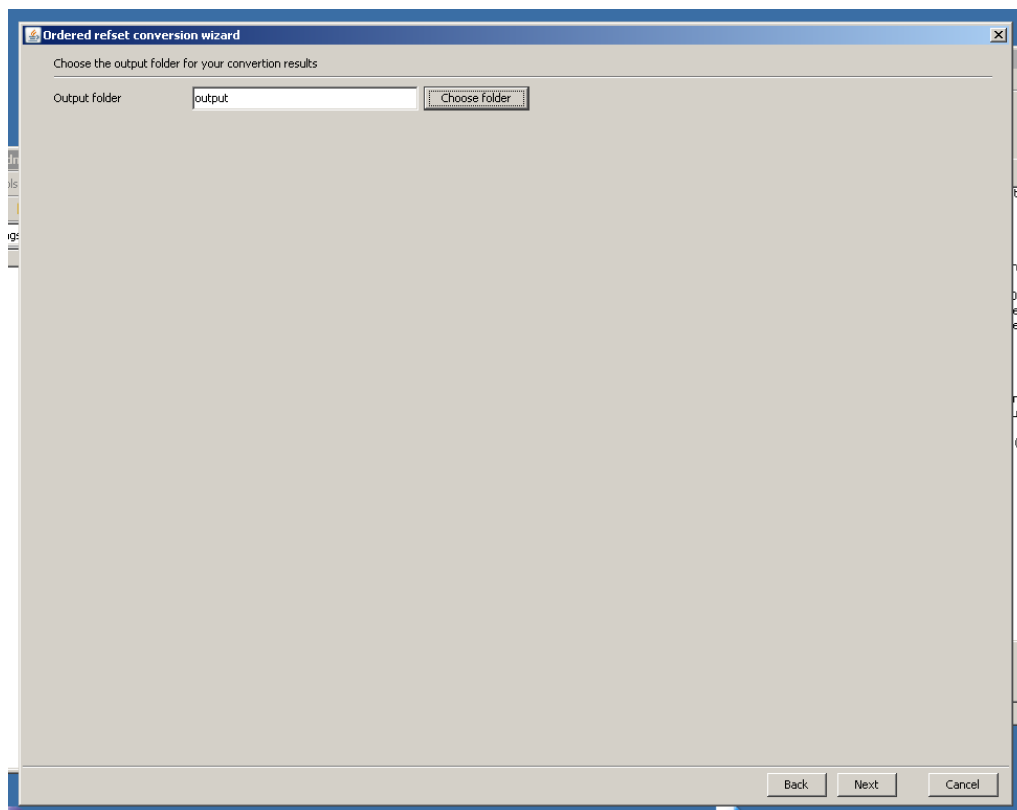
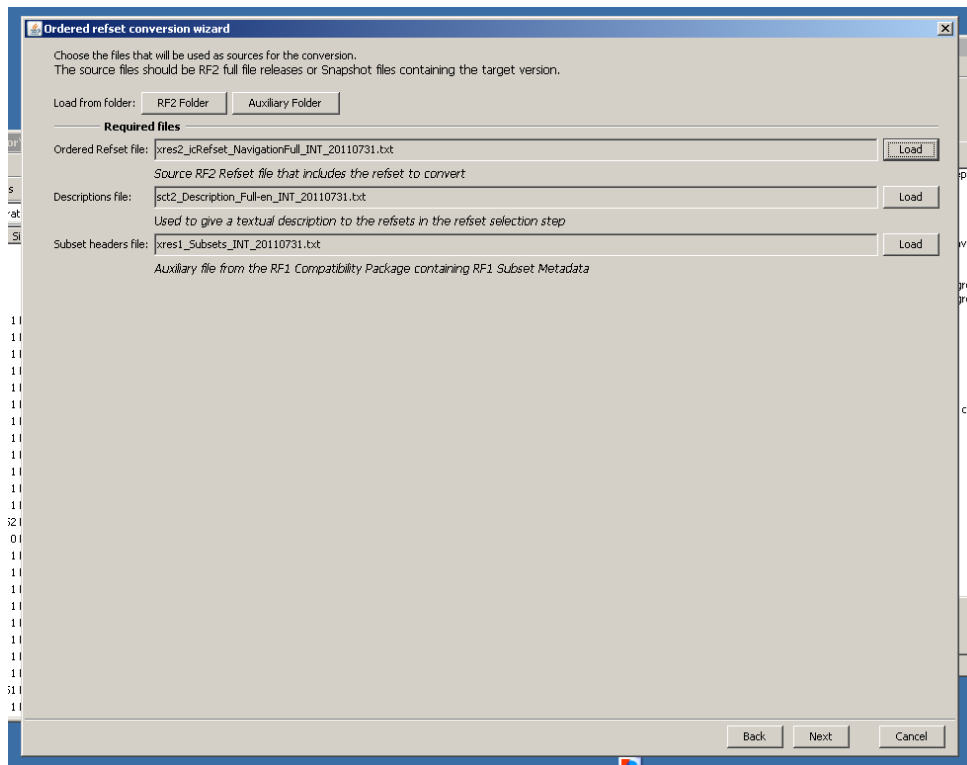
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2.9.8 Ordered Refset conversion to RF1 wizard







Ordered refset conversion wizard

Select refsetid...

File name: xres2_icRefset_NavigationFull_INT_20110731.txt

CTV3 navigation hierarchy ordered reference set (foundation metadata concept)

SNOMED CT top level navigation hierarchy ordered reference set (foundation metadata concept)

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Ordered refset conversion wizard

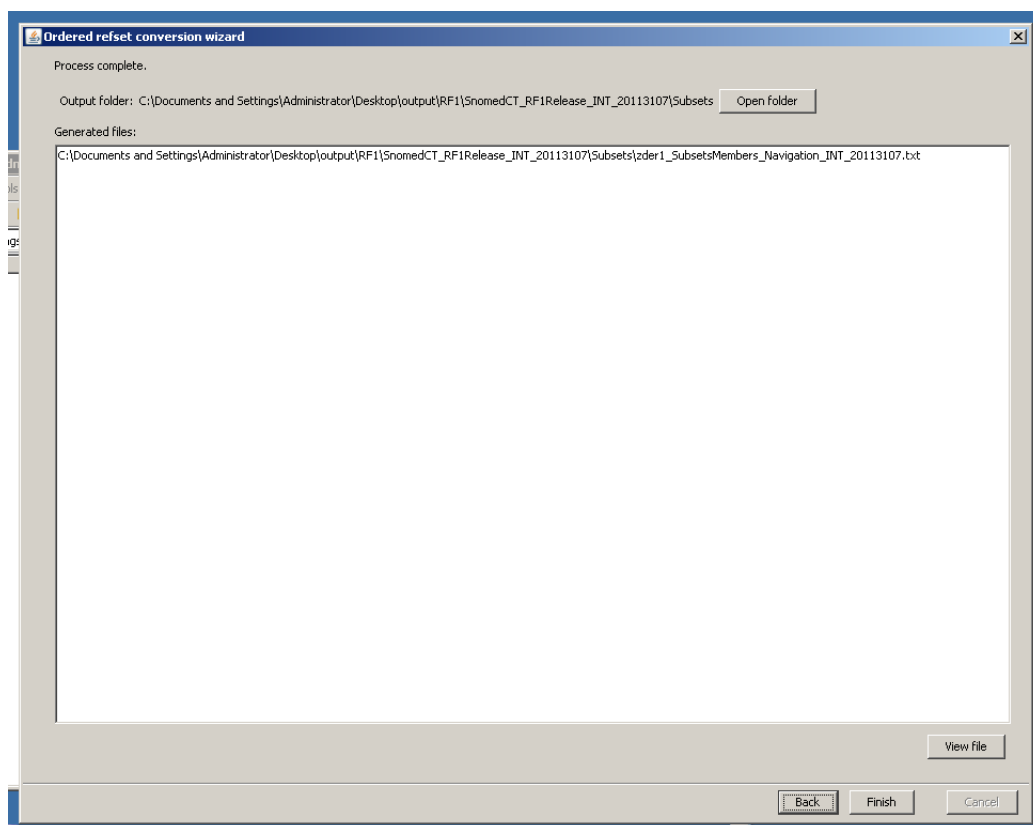
Checking subset headers

Metadata not found for refsetId: 447568004

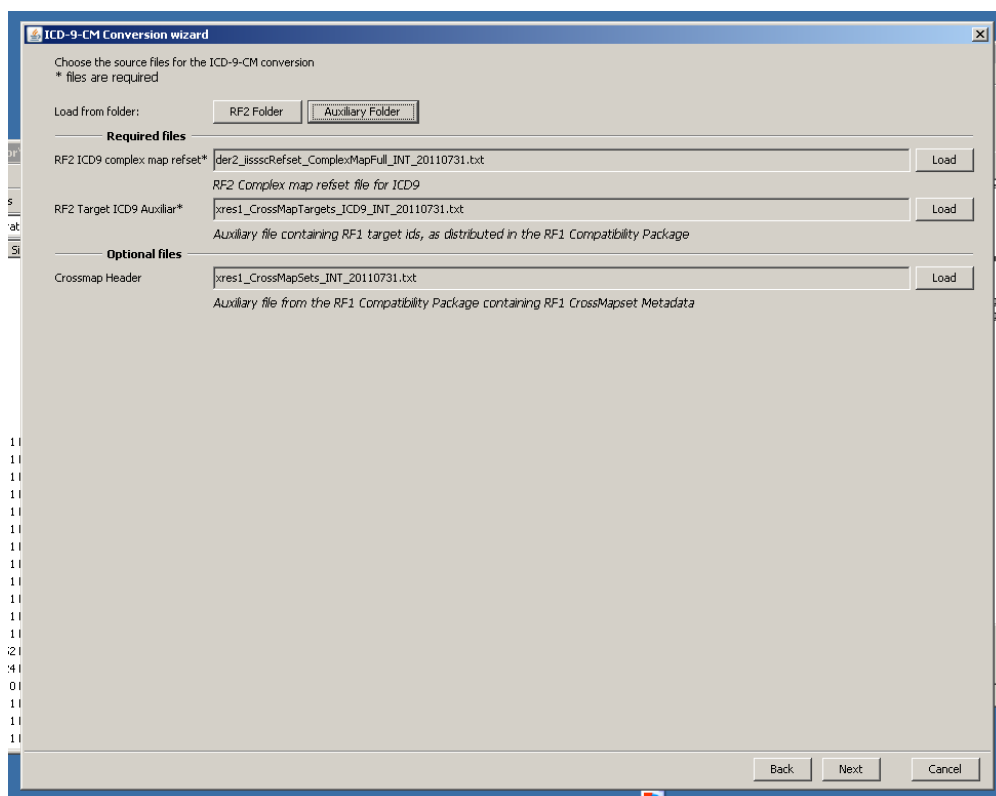
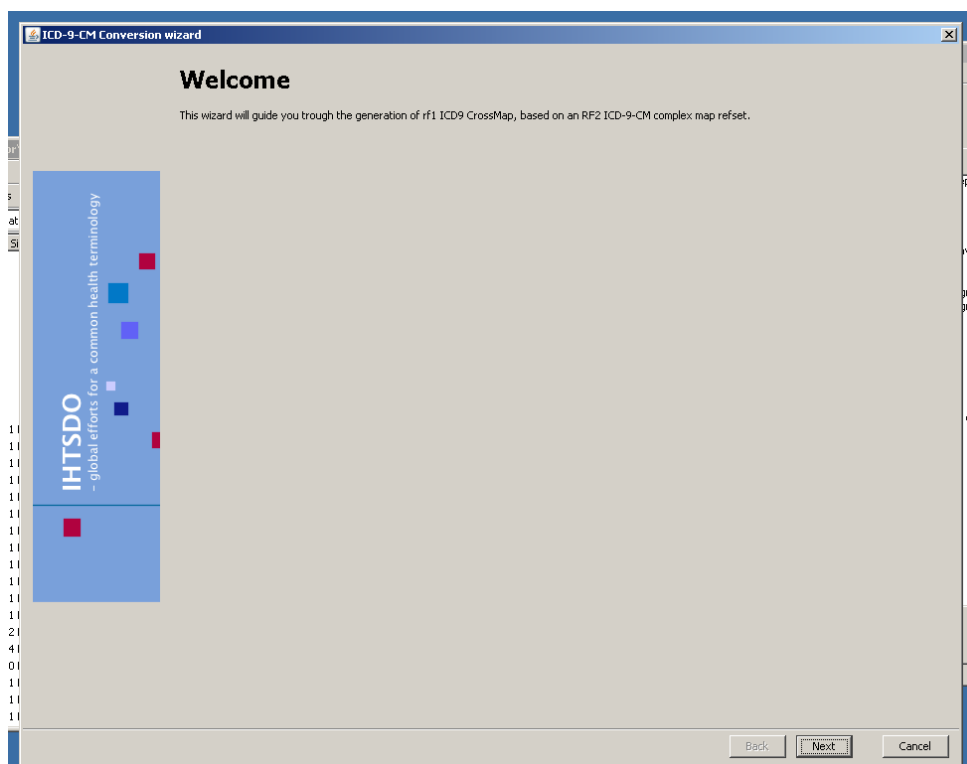
RF2 ConceptId*	447568004	ModuleId	
Subset Name	sub3	Subset Version	
SubsetOriginalId		Subset Type	LANGUAGE
SubsetId*	447568003	Language code*	ES
Effective time	20113107	Realm Id	
Active	1	Context Id	

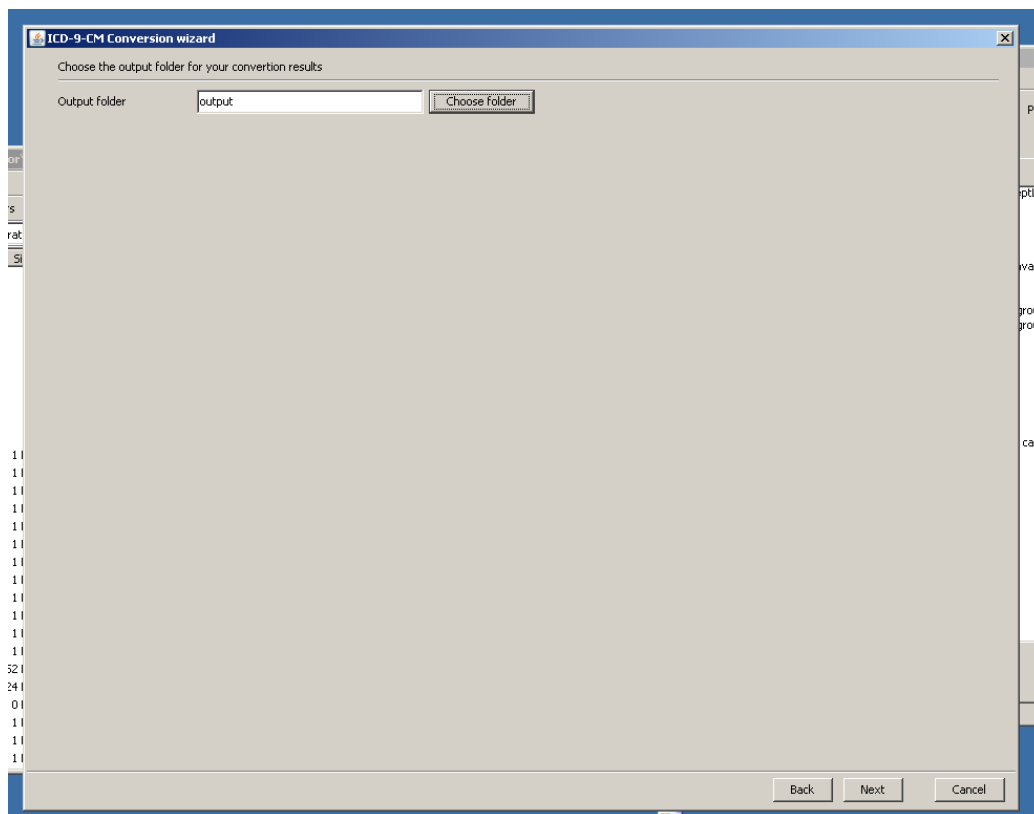
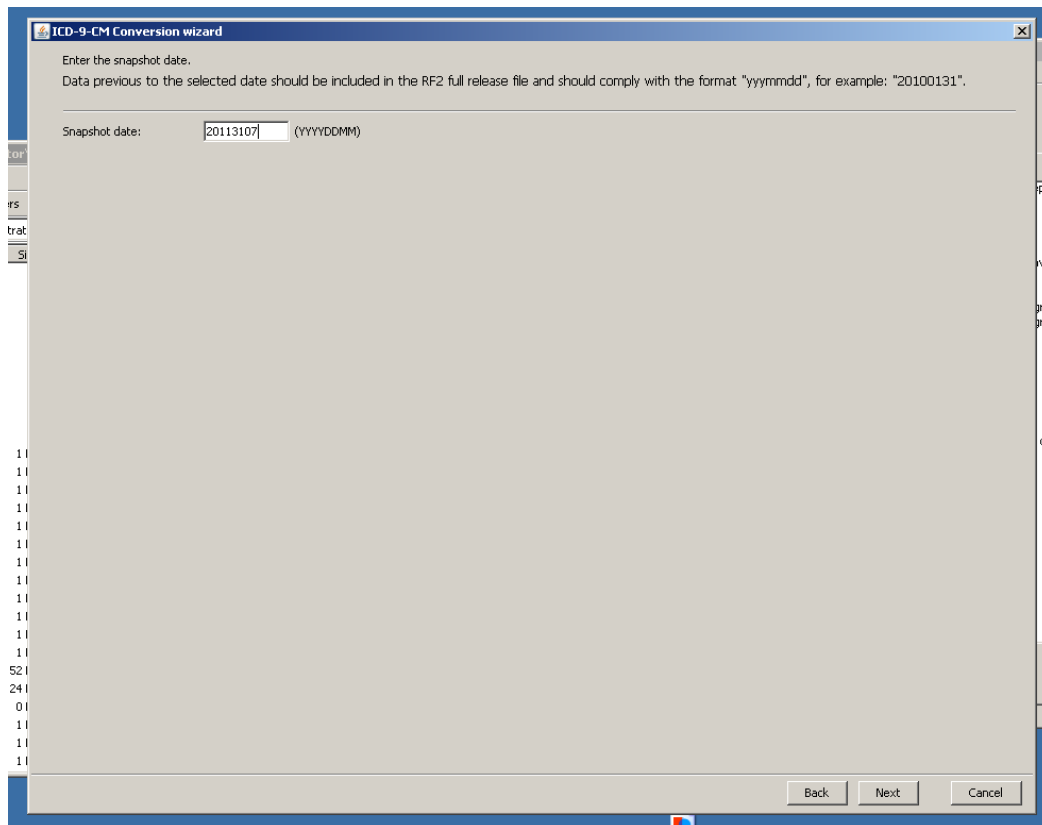
Save

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2.9.9 ICD-9 –CM Complex Map conversion to RF1 wizard







ICD-9-CM Conversion wizard

Checking subset headers

Metadata not found for refsetId: 447563008

RF2 ConceptId*	447563008	Realm Id	
Mapset Name		Module Id	
Mapset Id*	447563007	Scheme version	
Mapset type	UNSPECIFIED	Separator*	
Effective time*	20113107	Rule Type	
Active*	1	Scheme id*	447563006
		Scheme name	

Save

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ICD-9-CM Conversion wizard

Process complete.

Output folder: C:\Documents and Settings\Administrator\Desktop\output\RF1\SnomedCT_RF1Release_INT_20113107\CrossMaps\ICD9 [Open folder](#)

Generated files:

C:\Documents and Settings\Administrator\Desktop\output\RF1\SnomedCT_RF1Release_INT_20113107\CrossMaps\ICD9\der1_CrossMapTargets_ICD9_INT_07-29-06-15-52.txt
C:\Documents and Settings\Administrator\Desktop\output\RF1\SnomedCT_RF1Release_INT_20113107\CrossMaps\ICD9\der1_CrossMaps_ICD9_INT_20113107.txt

View file

Back Finish Cancel



2.9.10 RF1 Component history generation wizard

