

NCI Protege 1.4.2 Release Notes

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National Cancer Institute Center for Bioinformatics
Protege 1.4.2 Release Notes
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Product Changes

The objective of this release of Protégé 1.4.2 is to provide the remaining feature requests and bugs fixes found in previous Protégé releases that have been determined to be a priority for the final release of Protege. Currently, there is no development planned after the 1.4.2 release.

New Feature Highlights

- GF#26667 - Robustness/QC
 - *Validation on batch loads, better error reporting in batch edit/loads, null exceptions*
- GF#26668 - wiki collaboration
 - *Performed testing on the Wiki/Protege workflow roundtrip.*
- GF#26634 - "by code" (rdf:ID is meaningless)
- GF#26669 - Runtime Classification
- GF#26633 - Internationalization
- GF#26666 - Configurability
- GF#24359 - Batch job robustness performance

Behavior to be Aware Of

A number of GForge items were created that need additional comment.

- GF#22104 - search string appears empty when invoked from restriction dialog box*
 - *When searching for filler values when creating Restrictions, a secondary search box occasionally shows up empty and the search parameters need to be entered again. When creating a restriction, the first, second and third dialog boxes appear normally. The trouble occurs randomly and with a low frequency: when one gets to the 'Select a named Class' dialog, fills in a search term, then hits the search button, the 'Search for Class' dialog opens. This dialog box ordinarily has the selected string and Search Results filled in. On occasions, this dialog box appears without either the selected string or the search results. The Search for Class dialog box must then be directly edited to initiate the search brand new.*
- GF#23565 & 29720- refactoring namespaces
 - *Refactoring namespaces and class names works correctly; however, when followed by a complex operation such as split or merge in the same editing session, the refactored class is not identified properly by the GUI. This behavior persists until the protege server is restarted. This functionality is intended to support BGT and other vocabularies such as NPO that reference multiple namespaces, this functionality is not intended for NCIt editing.*
- GF#24510 - Need a fail-safe for creating codes for properties
 - *As this operation is not done frequently, a workaround, consisting of selecting the "code" as the display slot for properties followed by an examination of the sorted list, was deemed acceptable for production.*
- GF#26667 - Robustness/QC
 - *If the network goes down or is disconnected during a batch edit, the log will indicate more concepts created than were actual created. Because of this, a user will need to re-run any batch edits once the Protégé server is available again.*
- GF#28509 - Edit tab does not handle & or < properly
 - *The & and < characters are handled differently when using Edit tab or batch load. For edit tab you do NOT need to escape & or <, in a batch load file & needs to be & and < needs to be <*
- GF#28710 - The rejection of the modification failed in Prompt.
 - *The "Reject Diff" in the "Tree View tab" of Prompt works, but "Reject Diff" in the "Table View tab" doesn't work. This has been left as is because of the redundancy in functionality.*
- GF#29143 - role groups not handled when toggling prim/defined

- *Editing a legacy role group is problematic as the GUI enforces the class expressions we have defined for role groups. A concept can be edited without problems as long as the role group itself is not edited.*
- GF#29347 - Cannot complete SMW roundtrip with Protégé / NPO SMW
- GF#29358 - (NPO) Association Edit/Delete failed
 - *Relations using the built-in owl elements can only be constructed with the owl:disjointWith element, other elements do not work.*
- GF#29513 - Improved formatting of batch load with error
- GF#29517 - When invalid format is provided on a clone it doesn't retain previously entered Definition
 - *The definition must be corrected prior to another copy/clone attempt. Will be considered for a fix in a future release.*
- GF#29665 - "Create Workflow Task" doesn't work" in 1.4.2.223 ByCode.
 - *Creating workflow tasks work in a "by name" vocabulary. Will be considered for a fix in a future release.*
- GF#29752 - Generate Reports shows undesirable internal values

List of New Features

GForge number (hyperlinked)	Brief description of item
16191	Export of inferred Ontology - Tweaks to output file
18998	Load explanation server from the Protege KB using the OWL API converter in Protege 3.4
18999	Serialize state at explanation server shut-down so start-up can be incremental since previous run
22785	Only exports the first page of results in LQT search
23385	update protege/workflow and SWM to handle new XML Literal complex properties
24359	Batch jobs performance improvements
24360	Batch jobs robustness
24461	Allow multiple domains and ranges
26328	Report Writer outputs extra instances in 'Property value present' query
26416	Unable to get filler values from roles in query export
26548	A button to refresh the class hierarchy tree in the class browser pane.
26567	Disable Tooltips for NCI ontologies.
26568	Add a Complete button to workflow subtab
26569	Remove Unnecessary scripts from Protege Server / Explanation Server Folder
26570	Lucene query tab default setting will not search PATO
26571	Export of Annotations are viewed by OWLAPI as ObjectProperties
26573	Start or restart of the Explanation server has lost the time/date reference
26605	In all NCI Editor Tabs except the Edit tab concept name property is not displayed properly
26606	Edit set as default instead of Load Please
26634	"by code" (rdf:ID is meaningless)
26666	Configurability
26668	wiki collaboration
26669	Runtime classification
27029	Results panel callable from the explanation tab
28860	:NAME needs to be added to pull down list of Attributes w/ID in Report Writer
29103	Prevent save of a class that has less than 2 N&S conditions.

List of Bug Fixes

GForge number (hyperlinked)	Brief description of item
7679	(make configurable) Default search parameters for Advanced Search are not default for search w/in search

9298	Prompt - accept and reject icons in 'changed by' panel of 'table' view don't work
11082	Change of Focus after Retire
20906	Protege incorrectly exporting names with quotes
21549	Single quote mark around multi-word parents
21738	Hierarchy is not refreshing the D when retire concept
21946	Incorrect unretire functionality
22090	Tool Tab compression and disappearance
22104	search string appears empty when invoked from restriction dialog box
22181	Convert project to format seems to run twice
22902	Create a restriction with retired individual in premerge only
23457	lucene search option falls off pull down list not sure of the trigger
23527	Explanation server synchronization issue with retire action
23564	protege:readOnly=true behavior is unexpected
23581	Inconsistent reject button availability
23582	PROMPT Tree View reject gave null pointer exception
23710	Legacy_Concept_Name is ReadOnly but will be replicated in copy/split actions
23795	Legacy_Concept_Name should not transfer during merge
23874	User's Guide goes to Protege 2000 page
23876	Cannot change case of PT and PN
24274	inheritance of role restrictions is no longer working correctly
24432	Strange behavior on Preferred Name change
24445	Failure of Lucene to index at runtime
24503	LQT nested query causes error dialog
24803	Edit of Preferred_Name does not always sync the NCI PT
24837	Search using contains is very slow
24955	Rejection of changes to Retired Concept branch caused deletion of newly retired classes
25019	Selection of display slot for individuals is not scrollable
25464	Properties that have spaces cannot be edited in the Edit tab
25645	identifiable?
25646	SPCA contrib source
25769	Error Message displays association error, yet performs edit
25840	Strange output during Explanation Server restart
26169	Duplicate Full Syn atom could not be deleted via NCI Editor Tab
26432	unable to find concept
26463	Remove hard-coding of LONG_DEFINITION and other deprecated complex properties
26478	Cannot add role after editing a parent due to loss of focus in class browser
26512	"Increase or Decrease Font Size" causes Edit Tab increment
26540	extra prefix string when exporting ALT-DEFINITION and DEFINITION
26682	report writer fails to produce output
26715	EditTab not persisting complex properties correctly
26759	GO_Annotation props not showing in correct panel
27037	Allows duplicated roles to be added with batch processing
27038	Different "Reviewer Name" is displayed
27041	"Delete Parent" is allowed to delete last parent when batch processing.
27043	OLD_PARENTS and OLD_ROLES ought to be added simultaneously
27076	batch delete definitions fails
27078	"Required field" for FULL_SYN is not enforced when doing Batch Processing.

27079	"Required field" for DEFINITION or ALT_DEFINITION is not enforced when doing Batch Processing.
27248	deleting a role takes rdfs:label (preferred name) and should take rdfs:ID
27755	Trouble with usage of datatype properties
27757	Spotty Synchronization of NCIEditor Hierarchy with Explanation and OWLClasses Tabs
27855	Enable the use of rdfs:comment
27969	New strange behavior on PT change
28088	Preretire fails if redirect or remove two of the same restrictions pointing to the preretiree
28123	Generate Report with attributes does not display Definition or FULL_SYN
28127	AQP export needs to escape comma everywhere
28265	rename a class and rename it back leads to loss of type information.
28284	Tabs in Edit Tab Preferences can't be removed. (Tabs in Edit Tab Preferences can't be added).
28312	"Delete FULL_SYN" in batch processing doesn't work
28335	Batch delete of Semantic_Type fails
28364	Need to be able to configure Property Value Query in the LQP
28400	Performance Issues
28416	New concept with existing rdf:ID fails to be created, insufficient error message.
28417	Can only shutdown protege server through the Administer Server GUI
28532	There is error message when batch processing special characters "& and <" fails.
28553	Classification Optimization
28586	Reasoner Error While Classifying in Standalone Mode
28589	New scenarios that have strange behavior on PT change
29097	Performance testing
29102	Preretire causes multiplication of OLD_SOURCE_ROLES from referencing classes
29145	Figure out if LQP result display timing is okay for a number of search scenarios.
29147	LastUsageInvocationHandler being called with a high frequency
29193	Restrictions drop off when toggling from primitive to defined related to concurrency
29236	Split and Copy don't work in protege ByCode 1.4.2.174.
29258	Typo in Batch Load parent causes infinitely repeating exception
29286	Qualifiers of Complex Properties don't display (ByCode)
29289	Legacy_Concept_Name ReadOnly works but it is passed to new concepts
29290	Retired concept is not listed under Retired Concepts
29342	Changing Preferred name makes 2nd rdfs:label be added. (NCIt - ByCode)
29344	There is no check-box next to Retire in the "Edit Tab Preferences"
29346	Cannot Edit Concept assigned in NCI Workflow (NPO)
29357	java.lang.NullPointerException is displayed in console windows after check /uncheck Copy, Split, Merge, or Retire in Preference.
29358	Association Edit/Delete failed.
29383	Does not retain assignment of workflow task from creation dialog
29445	report writer fails to produce correct output for no attributes
29463	The record number in the batch log may not match with the "line number" of the input file.
29464	An invalid value is able to be added into the property Contributing_Source by the batch processing
29550	Need to use Display slot in Explanation tab panel
29552	After merge, redirected filler values are not updated by the Explanation Server
29565	A user was able to premerge two classes into a third class during concurrent editing
29569	Duplicate restrictions after merge with restriction pointing to surviving concept
29571	Invalid messagebox/warning to user when modify a concept with N&S restrictions
29646	Review panel from LQT pane displays class name as "foo"

29707	Exceptions are thrown when closing "Select a property" dialog-box nested in "Edit an Object-Valued Property" dialog-box.
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Other Items Closed

The defects in the following list were not reproducible, or were fixed as a by-product of refactoring, or were related to configuration setup.

GForge number (hyperlinked)	Brief description of item
23917	IndexOutOfBoundsException in Mac OS X
24813	Red Widget Appears after Loading Thesaurus OWL File to Protege Database
26195	Variability in Batch Loading Times
26256	Notes on behavior of logins to the Annotation project
26730	Hierarchy scrolls out of control
26744	embedded XML is converting XMLLiterals to strings
27677	Changing the value of property "protege:readOnly" doesn't work.

Remaining Issues

The defects in the following list were not reproducible, or were fixed as a by-product of refactoring, or were related to configuration setup.

GForge number (hyperlinked)	Brief description of item
22104	search string appears empty when invoked from restriction dialog box
23565	refactoring namespaces
24510	Need a fail-safe for creating codes for properties
28509	Edit tab does not handle & or < properly
29143	role groups not handled when toggling prim/defined
29358	(NPO) Association Edit/Delete failed.
29513	Improved formatting of batch load with error
29517	When invalid format is provided on a clone it doesn't retain previously entered Definition
29665	"Create Workflow Task" doesn't work" in 1.4.2.223 ByCode.
29720	PreMerge "two concepts" after renaming them is not allowed.
29752	Generate Reports shows undesirable internal values
29753	Extra box character shows in generated report

CORE Product Dependencies

No caCORE dependencies. This software is used for editing and maintaining NCI Thesaurus and BiomedGT

Release History

Release	Date
1.0	Jun 07
1.1	Sept 07
1.2.0	Dec 07
1.2.1	Feb 08
1.2.2	May 08
1.2.3	Jul 08
1.2.3 Patch	Aug 08

1.3.0	Mar 09
1.4.0	Sep 09
1.4.1	Jan 10
1.4.2	Sep 10