Profiles Research Networking Software Release Notes

Documentation Version: March 13, 2013

Software Version: ProfilesRNS_1.0.3

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Profiles RNS Beta

This was the original open source version of Profiles RNS. It used a traditional relational database model, rather than RDF. Minor updates were release approximately once a month. The last release of Profiles RNS Beta was July 22, 2011.

Known Issues

1. Certain browser security configurations (we haven't determined the exact settings) disable the JavaScript used by the drop down menus on the main search page to select More Options.

2. Selecting "Display Columns:" in the search results by clicking on the column name and not the checkbox fails to trigger a repost of the page.

3. Long item names in Passive Networks (right sidebar) are truncated.

4. The height of the More Options drop down menu on the search page does not dynamically adjust based on the number of items displayed.

5. When two browser windows or tabs are opened at the same time to Profiles, it can create inconsistencies with internal session variables. This can be reproduced by running a search in window #1, then running a different search in window #2, then clicking the "Why?" link in the search results of window #1.

6. When editing a profile in Mac FireFox or Mac Chrome, users cannot add new awards.

7. Network View sometimes fails to load in Mac Opera.

8. Uploading of profile photos on ProfileEdit.aspx causes a javascript/AJAX permission denied error if the client browser is IE 6.0 and the web server is IIS 6.0

9. Rarely, certain PubMed articles cause the disambiguation process to hang or fail.

Profiles RNS 1.0.0

Release Date: June 1, 2012

Five release candidates were made available leading up to the final version of the software.

What's New

1. The software was completely rewritten as a Semantic Web application using the VIVO ontology.
2. The database was reorganized using schemas to group related objects.
3. The website was divided into a Framework, extended by Applications and Modules, and RESTful URLs were added.

Known Issues

1. There are no default front-end editing tools to add/modify content for arbitrary classes and properties. The only editing modules are custom ones for person profiles. Data for any class/property can still be loaded through back-end processes.

Profiles RNS 1.0.1

Release Date: July 3, 2012

What's New

1. The names of many web code files and database components were changed to make them more consistent throughout the software.
2. The documentation, particularly the Architecture Guide, was significantly expanded. ReadMeFirst and ReleaseNotes documents were created.
3. Database performance enhancements were made, which result in RDF data being returned faster, especially for profiles containing large numbers of triples.
4. Default editing modules for DataType and ObjectType properties were added.
5. A custom editing module was created for email address.
6. The Search API and SPARQL API were converted to SVC files and XSD files were created for each API.

Profiles RNS 1.0.2

Release Date: August 21, 2012

Bug Fixes

1. Navigation from the Radial Network flash browser does not work for alt+click or shift+click.
2. ProfilesSearchAPI project does not recognize ClassURI or ClassGroupURI tags in search options XML.
3. ProfilesSPARQLAPI query times out before it completes.
4. XPath for a profile image is incorrect and displays the wrong profile image if the person has no photo.
5. Publication numbers not showing properly in Chrome.
6. Several CSS issues with IE.
7. Minor bugs when editing profiles.
8. Too many open database connections during editing.
9. Updating search cache slow. [Added database indexes.]

What's New

1. New visualizations on a Person profile:
   a. Timeline of total publications by year (on main profile).
   b. Timeline view (on concept network page).
   c. Timeline view (on co-author network page).
   d. Cluster view (on co-author network page).
2. New items on a Concept profile:
   a. Publications and publication timeline.
   b. Similar concepts.
3. New Connection pages:
   a. Person to concept.
   b. Person to co-author.
   c. Person to similar person.

Profiles RNS 1.0.3

Release Date: March 13, 2013

Bug Fixes

1. Overview text (line breaks, multiple overviews)
2. Network details (incorrect properties being queried)
3. Faculty rank not working as a search filter and sorting option
4. Modify search criteria not filling in all fields
5. Sorting and column selection in search results not working
6. Various back links throughout the website broken
7. Direct2Experts queries showing incorrect counts
8. Adding too many publications causes timeouts
9. PubMed disambiguation process failing
10. Default search weights are too different than beta
11. CSS issues in certain browsers
12. The stored procedure used to build the institution dropdown in proxy search is incorrect
13. Pagination in proxy search is broken
14. CSS issues in the search results in proxy search
15. Exact Search Phrase not working for People search
16. The disambiguation process fails when a null value is returned
17. There is a delay between the time an award is entered to when it appears on a profile
18. The mouse over is not working in search results when only the Institution column is shown
19. Overview shows truncated text in edit mode
20. Article and publication fields are reversed in the custom publication editing form
21. Bug in the Error handling and logging of RunJobGroup

What's New

1. Source code posted to GitHub.
2. Enhanced Concept profile page:
    a. MeSH details (e.g., tree numbers and related terms).
    b. Top journals.
3. Enhanced Publication profile:
    a. Lists the subject areas (e.g., MeSH terms) of the publication.
4. Profiles RNS can now be run under SSL/HTTPS.

5. The default disambiguation web service URLs have been changed to point to the new production URLs.

6. Performance enhancements:

    a. Several stored procedures related to nightly jobs have been modified.

    b. The .NET code now makes better use of caching to reduce the number of RDF requests

    c. Rather than all RDF always being returned for a profile, individual properties can now be included or excluded as needed.

    d. Some display modules, such as the Concept Cloud, have been rewritten to make direct database calls rather than using the full RDF.

    e. The database is set to snapshot isolation by default to avoid locks when the nightly jobs are run.

Database Changes

1. [Framework.].[CreateInstallData] - modifications to reflect base table column changes

2. [Framework.].[LICENCE] - updated dates

3. [Framework.].[LoadInstallData] - modifications to reflect base table column changes

4. [Framework.].[RunJobGroup] - added error code to log step

5. [Framework.].[vwBufferDatabases] - new view

6. [History.Framework].[ResolveURL] - new procedure

7. [Ontology.ClassGroup] - IsVisible bit column added

8. [Ontology.].[CleanUp] - added changed table names to cleanup (ontology.owl to ontology.import.owl, ontology.presentation to ontology.presentation.general)

9. [Profile.Cache].[Concept.Mesh.TreeTop] - new table

10. [Profile.Cache].[Concept.Mesh.UpdateJournal] - complete rewrite for performance

11. [Profile.Cache].[Concept.Mesh.UpdateTreeTop] - new procedure

12. [Profile.Data].[Concept.Mesh.Descriptor] - added clustered index for performance

13. [Profile.Data].[Concept.Mesh.GetDescriptorXML] - new procedure

14. [Profile.Data].[Concept.Mesh.GetJournals] - added order by weight desc to top 10 select

15. [Profile.Data].[Concept.Mesh.ParseMeshXML] - added Concept.Mesh.TreeTop inserts

16. [Profile.Data].[Person.AddPhoto] - added PersonNodeID retrieval from vwperson.photo.

17. [Profile.Data].[Person.DeletePhoto] - added personNodeID retrieval from vwperson.photo.

18. [Profile.Data].[Person.GetFacultyRanks] - included InternalNodeMap to get NodeIDs for RDF purposes.

19. [Profile.Data].[Person.Photo] - added clustered index for performance

20. [Profile.Data].[Publication.DeleteOnePublication] - added delete from Publication.PubMed.Disambiguation where PMID is not null, this elimiates disamibiguation from picking up the pub again in the future

21. [Profile.Data].[Publication.Entity.InformationResource] - increased URL varchar column size from 1000 to 2000 for larger URLs

22. [Profile.Data].[Publication.Person.Add] - dropped foreign key constraint on mpid to mypubsgeneral

23. [Profile.Data].[Publication.Person.Exclude] - dropped foreign key constraint on mpid to mypubsgeneral

24. [Profile.Data].[Publication.PubMed.GetAllPMIDs] - added check for null PMIDs, avoid xml requests for null PMIDs which breaks nightly job

25. [Profile.Data].[Publication.Pubmed.AddDisambiguationLog] - fixed audit bugs

26. [Profile.Data].[Publication.Pubmed.AddPMIDs] - added delete of disambiguation table to flush results from previous disambiguation

27. [Profile.Data].[Publication.Pubmed.AddPublication] - add PMID record to disambiguation table for future reference

28. [Profile.Data].[Publication.Pubmed.LoadDisambiguationResults] - add publications from Publication.Person.Add

29. [Profile.Data].[vwPerson.Photo] - added UserNodeID column, renamed original NodeID column to PersonNodeID for clarity

30. [Profile.Data].[vwPublication.Entity.Concept.MajorTopicList] - new view

31. [Profile.Data].[vwPublication.Entity.Concept.MinorTopicList] - new view

32. [Profile.Data].[vwPublication.Entity.Concept] - new view

33. [Profile.Data].[vwPublication.Entity.General] - new view

34. [Profile.Import].[Beta.LoadData] - added isnull to the visible column in the Person Table, to handle defaults for nulls; modified faculty rank beta load statement, included distinct, dropped surragate key to avoid duplicates

35. [Profile.Import].[Beta.SetDisplayPreferences] - modifications to the ViewSecurityGroup logic

36. [Profile.Import].[LoadProfilesData] - updates to improve recognition of changed user/person entities in hr system.

37. [Profile.Module].[NetworkAuthorshipTimeline.Concept.GetData] - changed Google API URL

38. [Profile.Module].[NetworkAuthorshipTimeline.Person.GetData] - general algorithm changes

39. [Profile.Module].[NetworkCategory.Person.HasResearchArea.GetXML] - new procedure

40. [Profile.Module].[NetworkCloud.Person.HasResearchArea.GetXML] - new procedure

41. [Profile.Module].[NetworkTimeline.Person.HasResearchArea.GetData] - general algorithm changes

42. [Profile.Module].[Support.GetHTML] - removed hard-coded value

43. [RDF.].[SetNodePropertySecurity] - add security changes

44. [RDF.].[vwBigDataTriple] - new view (for future use)

45. [Search.Cache].[History.UpdateTopSearchPhrase] - added NumberOfQueries to replace hard-coded 0 value in top 10 phrases per period queries

46. [Search.Cache].[Private.GetNodes] - added search filter changes, like matchtype, other algorithm changes

47. [Search.Cache].[Private.GetNodes] - added search filter changes, like matchtype, other algorithm changes

48. [Search.Cache].[Private.UpdateCache] - performance enhancements

49. [Search.Cache].[Private.UpdateCache] - performance enhancements

50. [Search.Cache].[Public.GetNodes] - added search filter changes, like matchtype, other algorithm changes