What's New in Trifolia 4.0.0

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Executive Summary

This is the second major open source release of Trifolia. The update simplifies the installation process for users who wish to install Trifolia on their own systems, and improves support for the latest release of FHIR. It also includes an upgrade so that users in China can log in without using Google Captcha . Finally, it allows users to import data from other Trifolia installations, making it easier to share data between instances of Trifolia.

Major Enhancements

The major enhancement for open source users is an install script that makes it easier to create and run your own instance of Trifolia locally. In the coming months, we will include exports of publicly available implementation guides, such as "Consolidated CDA (C-CDA) Release 2.1, and improve the developer documentation.

Support for FHIR STU3

In addition to DSTU1 and DSTU2, Trifolia includes support for FHIR STU3. HL7 recently changed the naming convention of draft specifications from DSTU (Draft Standard for Trial Use) to STU (Standard for Trial Use). Support focuses on exporting, although some import functionality exists. Trifolia users can edit profiles using the STU3 schemas, and /api/FHIR3 endpoints allow integration with Trifolia.

Non-Google Captcha

Users in China reported inability to successfully log in as a result of the Google-based captcha system. We found that China restricts the google.com domain, which is required to use Google's captcha. We replaced Google captcha, enabling China-based users to access Trifolia.

Importing Data

A new "Import" menu item is available for editors importing Trifolia-formatted data. This allows multiple installations of Trifolia to exchange implementation guides. In the near future, users will be able to exchange exported implementation guides between installations of Trifolia using this Import functionality.

Development Log

Task	Open-source release
New Feature	Provide method of importing data into Trifolia
New Feature	Database installation scripts for open-source release
New Feature	FHIR STU3 Support
Improvement	Use non-google captcha for validating humanity during login
Improvement	Fix issues with FHIR exports found from testing
Improvement	Change exported publish statuses in MS Word
Improvement	Support for FHIR "must support" and "is modifier" flags on constraints
Defect	Web IG relationships diagram tab not working in Chrome 48+
Defect	Versioning an IG does not copy the Web IG Volume 1 HTML and/or Sections
Defect	StructureDefinition not valid against latest FHIR schema

What's Next?

The following table describes work planned for the coming weeks. This list changes regularly; and we cannot guarantee all items will be included in the next release or completed in the order shown below.

New Feature	Web-based View of Published Implementation Guides
Improvement	Conforms to template – Add a note stating which IG the implied template is defined in
Improvement	Warn when template has same OID as another (when it's not versioned)
Improvement	Schematron support warnings and errors for retired and terminated templates
New Feature	Upon versioning, allow automatic update of template references
Improvement	Constraint editor screen: Search for template results change from alphabetical to best match
New Feature	Allow users to re-order duplicated elements
Improvement	New Version of template – Copy example from previous version