LexPredict ContraxSuite Documentation

Release Notes and Changelog

Release 1.0.4 - December 1, 2017

Summary

Version String	1.0.4
Major Version	1
Minor Version	0
Increment Number	4
Release Date	December 1, 2017
Release Branch	1.0.4

Release Notes

ContraxSuite Release 1.0.4 is the fifth open source release and is generally available on December 1, 2017.

Release 1.0.4 focused on customization, deployment, and UI/UX, including:

- Implemented pluggable application architecture for enabling and disabling new functionality within web application.
- Preparation for Docker deployment and Windows support.
- Switched default message broker from Redis to RabbitMQ.
- Implemented non-administrative application configuration menu.
- Simplified contract and admin menus and workflows.
- LexNLP parsing and test cases improvement.

Detailed Changelog

New in Release 1.0.4

- Simplified web application requirements for deployment and licensing.
- Improved UI for navigation and analysis.
- Improved locator workflow in admin tasks with "locate all" flow.
- Increased flexibility for clustering and classification dimensions with dates.
- Implemented non-administrative application configuration menu.
- Implemented default locator configuration through application configuration menu.
- Refactored distributed task engine for pluggable application architecture.
- Refactored presentation layer for pluggable application architecture.
- Added favicon configuration for web application and admin screens.
- Improved data model and database details on statistics page.
- Integrated LexNLP URL locator into web application.
- Integrated LexNLP copyright locator into web application.
- Integrated LexNLP trademark locator into web application.
- Integrated LexNLP title locator into web application with document metadata.
- Implemented LexNLP title locator.
- Implemented additional LexNLP transforms for skipgrams and n-grams.
- Improved LexNLP handling for parties with abbreviations and other cases.
- Improved LexNLP handling for amounts with mixed alpha and numeric characters.
- Improved LexNLP unit test coverage.
- Improved knowledge sets for US regulators and real estate concepts.
- Preparation for open source example applications for employment and leasing use cases.
- Updated source code license headers.

New in Release 1.0.3

- Improved UI for navigation.
- Improved UI and ranking for search results.
- Increased flexibility for clustering and classification dimensions.
- Refactored unit test framework into CSV-based formats.
- Improve unit test framework handling for language and locales.
- Fixed issue with HTML file extension whitelists for web application.
- Fixed issue with snippet display characters in jQWidgets tables.
- Implemented method and input-level CPU and memory benchmarking for unit tests.
- Migrated all unit tests to 60 separate CSV files.
- Added over 1,000 new unit tests for most LexNLP methods.
- Reduced memory usage for paragraph and section segmenters.
- Improved handling of brackets and parentheses within noun phrases.
- Added URL locator to LexNLP.
- Added trademark locator to LexNLP.
- Added copyright locator to LexNLP.
- Standardization of lower/uppercase for party names in presentation layer.
- Enhanced translations of common scientific and chemical terms in knowledge sets.
- Improved default Punkt sentence boundary detection.
- Added custom sentence boundary training methods.
- Added common acronyms for Australian agencies to knowledge sets.
- Added list of common real estate terms to knowledge sets.
- Improved handling of US court names when informally referenced.
- Improved handling of multilingual text, especially around geopolitical entities.
- Improved default handling of party names with non-standard characters.
- Enhanced metadata related to party type in LexNLP.
- Improved continuous integration for public repositories.

New in Release 1.0.2

- Improved documentation for installation and configuration.
- Automated Canvas theme installation for single-line installer.
- Automated jq package installation for single-line installer.
- Added new visualization/report functionality.
- Added "export to calendar" functionality for dates.
- Refactored and integrate core extraction into separate LexNLP package.
- Released nearly 200 unit tests with over 500 real-world test cases in LexNLP.
- Improved definition, date, and financial amount locators for corner cases.
- Integrated PII locator for phone numbers, SSNs, and names from LexNLP.
- Integrated ratio locator from LexNLP.
- Integrated percent locator from LexNLP.

- Integrated regulatory locator from LexNLP.
- Integrated distance locator from LexNLP.
- Integrated case citation locator from LexNLP.
- Improved geopolitical locator to allow non-master-data entity location.
- Improved party locator to allow configuration and better handle corner cases.
- Refactored English term locator for improved scalability and database compatibility.
- Resolved URL issue in embedded document viewer.
- Releasing common legal term set for top 1000 terms based on 100K contract sample.
- Added geopolitical subdivisions for Spain, China, and England.
- Improved list of US Federal and State regulators.
- Improved list of US Federal and State courts.
- Improved error message for locators when Court master data is missing.
- Improved UI to prevent multiple submission of admin tasks.
- Releasing word embedding model for credit/loan agreements.
- Releasing word embedding model for real estate and leasing contracts.
- Releasing word embedding model for operating agreements.
- Releasing word embedding model for labor and employment agreements.
- Releasing word embedding model for service and consulting agreements.
- Releasing word embedding model for generic agreements.
- Releasing pre-trained document type classifier.

New in Release 1.0.1

- Added deployment automation for superuser credentials and creation.
- Improved documentation for passwordless SSH for deployment automation.
- Changed from git to HTTPS protocol for deployment automation.
- Added two-factor authentication (2FA) for TOTP and HOTP.
- Added "Search by Party" to default UI.
- Added "Currencies" tab to default UI.
- Added additional metrics to global statistics page.
- Improved audit on Document and Text Unit Property data models.
- Changed default UI for editing Properties on Document Detail page.
- Improved default UI for DocumentTag lists and detail.
- Decreased default similarity threshold to 75% for Document and Text Unit task.
- Added knowledge set loading from lexpredict-legal-dictionary repository.
- Improved Court data model for names and abbreviations.
- Fixed "empty" cluster issue for non-DBSCAN clustering tasks.
- Improved auto-complete result order by corpus frequency.
- Fixed error on global statistics page when no Projects or Queues exist.
- Fixed path issues for ES, git, and celery in deployment automation.
- Improved "Add to task queue" form for Cluster workflow.
- Fixed "Class Name" issue for new Classifier workflow.
- Allow clustering by term or model dimensions.

- Added new semi-supervised classification method (LabelSpreading).
- Added new Quick Start Installation Guide for Linux.
- Added new Administration Guide for Linux.
- Updated Installation and Configuration Guide.
- Updated Software and Data Dependencies.
- Updated Technical FAQ.
- Updated Security FAQ.
- Updated Data Model Diagrams.
- Updated Architecture Diagram.
- Separated Knowledge Set documentation from Dependency document.
- Updated Knowledge Set documentation.
- Refactored Knowledge Set structure and naming.
- Added UK GAAP Accounting terms.
- Added US FASB Accounting terms.
- Added US State regulators.
- Added limited English, French, and Spanish translations for German courts.
- Translated geopolitical entities for English, Spanish, German, and French.
- Added geopolitical relationships.
- Translated chemical elements and compounds for English, Spanish, German, and French.
- Added word2vec models for employment agreements.
- Added word2vec models for leases.
- Added US hazardous waste.
- Added 300 new software license samples.
- Added 100 new construction agreement samples.
- Added 500 new credit agreement samples.
- Added 200 new severance agreement samples.