

# LexPredict ContraxSuite Documentation

## Release Notes and Changelog Release 1.0.3 - November 1, 2017

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## Summary

<b>Version String</b>	1.0.3
<b>Major Version</b>	1
<b>Minor Version</b>	0
<b>Increment Number</b>	2
<b>Release Date</b>	November 1, 2017
<b>Release Branch</b>	1.0.3

## Release Notes

ContraxSuite Release 1.0.3 is the third open source release and is generally available on November 1, 2017.

Release 1.0.3 focused on stabilizing and improving the public open source feature set, including:

- Refactored public unit test framework for easier contributor participation and maintenance.
- Added over 1,000 new unit test cases from real-world contract examples.
- Recall, precision, and memory enhancements for core LexNLP methods.
- Enhanced master data with new sources and corrections.
- Additional pre-trained models and classifiers.

# Detailed Changelog

## 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.