

Janya Semantex™ 5.0: What's New Multilingual Semantic Analysis Platform



Janya Semantex™ 5.0 represents the latest and most powerful version of the robust, scalable, and versatile semantic analysis platform yet.

Key new features include: improved language support, support for office document formats, new output formats, optimized pre-configured levels of processing, and highly scalable service oriented architecture support for Big Data deployments.

Semantex™ has historically powered enterprise and SaaS social media analysis and government intelligence applications. The new enhancements reflected in Semantex™ 5.0 will add value to Janya's customers, but significantly open the door for other government, commercial, and academic uses. Semantex™ 5.0 can power a range of solutions including market research, scientific and medical data mining, e-discovery and compliance monitoring.



Improved Multilingual Support

Semantex™ 5.0 extends multilingual support beyond English and Chinese to Russian, Arabic, Urdu, and Pashto. Semantex™ multilingual configurations support within-language entity, event, and sentiment tagging and translation.

Janya Document Filters

Semantex™ 5.0 offers office document support for over 100 formats. These include common formats such as PDF, Word, Powerpoint, Excel, Outlook, and several others covering archives, word processing, spreadsheets, images, email and messaging formats.



New Output Formats

Semantex™ 5.0 supports new output formats including Inline XML, RDF, and HTML. Semantex™ 5.0 also extends RDBMS output support by allowing users to specify a custom schema. Supported RDBMSs include MySQL, SQL Server, Oracle, and PostgreSQL.

Easier Customization and Semantic Web Support

Semantex™ 5.0 provides enhanced customizability with support for ontology-driven extraction. Users can now import ontologies in OWL/RDFS formats, and generate RDF output with URIs for storage in semantic triple stores to support advanced querying, inferencing, and integration with linked open data sources and other structured knowledge bases.



Highly Scalable SOA Architecture for Big Data Deployments

Semantex™ 5.0 combines multi-threaded processing and distributed processing in a highly scalable architecture for deployments ranging from small data volumes to big data environments. Semantex™ 5.0 supports a web services standard interface, and provides integration support for open source and commercial load balancers.

Performance Enhancements

Semantex™ 5.0 extends its extraction depth and includes several performance enhancements. These include improved phone and address identification, location normalization, extensive geo-tagging support, and optimized pre-configured levels of extraction to support fast search engine indexing as well as deeper context-driven discovery applications.





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