MarkLogic 11
NEW FEATURES

Simplify Complex Data

The best platform for complex data and metadata management just got better. With MarkLogic 11, we've introduced more ways to integrate with your data ecosystem and additional features to help you analyze your multi-model data in new ways. And, we've made MarkLogic even easier to deploy, manage, and audit – including in the Cloud. Unlock the value of your complex data and achieve data agility that lets you quickly and easily respond to change.

EXTENDED PLATFORM CAPABILITIES

As a single, unified platform to connect, create, and consume data, MarkLogic enhances your existing investments in data systems. MarkLogic 11 introduces new capabilities and support for industry standards that improve interoperability with your data ecosystem.

- **BI tool integration** – GraphQL support lets you easily expose multi-model data to BI tooling using an industry standard query language
- **GIS tool integration** – enhanced OpenGIS and GeoSPARQL support make it easier for you to query geospatial data
- **Security** – new option for external authentication, with initial release of OAuth support

ENHANCED MULTI-MODEL ANALYTICS

It's not enough to connect and manage your multi-model data – you also need to deliver it for consumption to multiple audiences. The MarkLogic Optic API, introduced in MarkLogic 9, is a query language specifically designed for multi-model data. It leverages the rich indexes in the MarkLogic platform and lets your applications support queries over documents, rows, and triples at the same time – whether you are using JavaScript, XQuery, REST, or Java. In MarkLogic 11, we've extended the capabilities of the Optic API as well as added more capabilities for delivery of multi-model data to BI tools like Tableau.

- **Geospatial analysis** – a more flexible model for indexing and querying geospatial data, scalable export of large geospatial result sets, interoperability with GIS tools; includes support for OpenGIS and GeoSPARQL
- **Queries at scale** – Improved support for large analytic, reporting, and/or export queries with external sort and joins

- **Unified Optic API for reads and writes** – write and update documents with the Optic API without having to write server-side code
- **BI analysis** – use GraphQL to easily expose multi-model data to BI tooling using an industry standard query language

FLEXIBLE DEPLOYMENT & EASIER MANAGEMENT

Your data systems should include tools that make it easy to deploy, monitor, troubleshoot, and maintain the system. MarkLogic 11 introduces new capabilities designed to support your cloud strategy, ensure data availability, and make it easier for you to monitor and manage your cluster.

- **Docker and Kubernetes support** – deploy MarkLogic clusters in cloud-neutral, containerized environments that use best practices to ensure your success
- **Enhanced HA with storage failure detection** – ensure availability in the face of storage device/system failures and cloud availability zone failures or brownouts
- **Health check at a glance** – monitor overall health of the system and respond quicker to failures
- **Updated, Section 508-compliant UI** – improve accessibility for all users

CONTINUED IMPROVEMENTS

- Security enhancements
- New document queries
- Performance enhancements
- Optic "unnest"
- Additional database restore diagnostics
- HTTP compression/chunking enabled by default
- New S3 client library enabled by default

GETTING STARTED

- Download MarkLogic software and tools
- Upgrade to MarkLogic 11 from a previous version
- Read the Installation Guide
- Explore the technical documentation

MarkLogic®