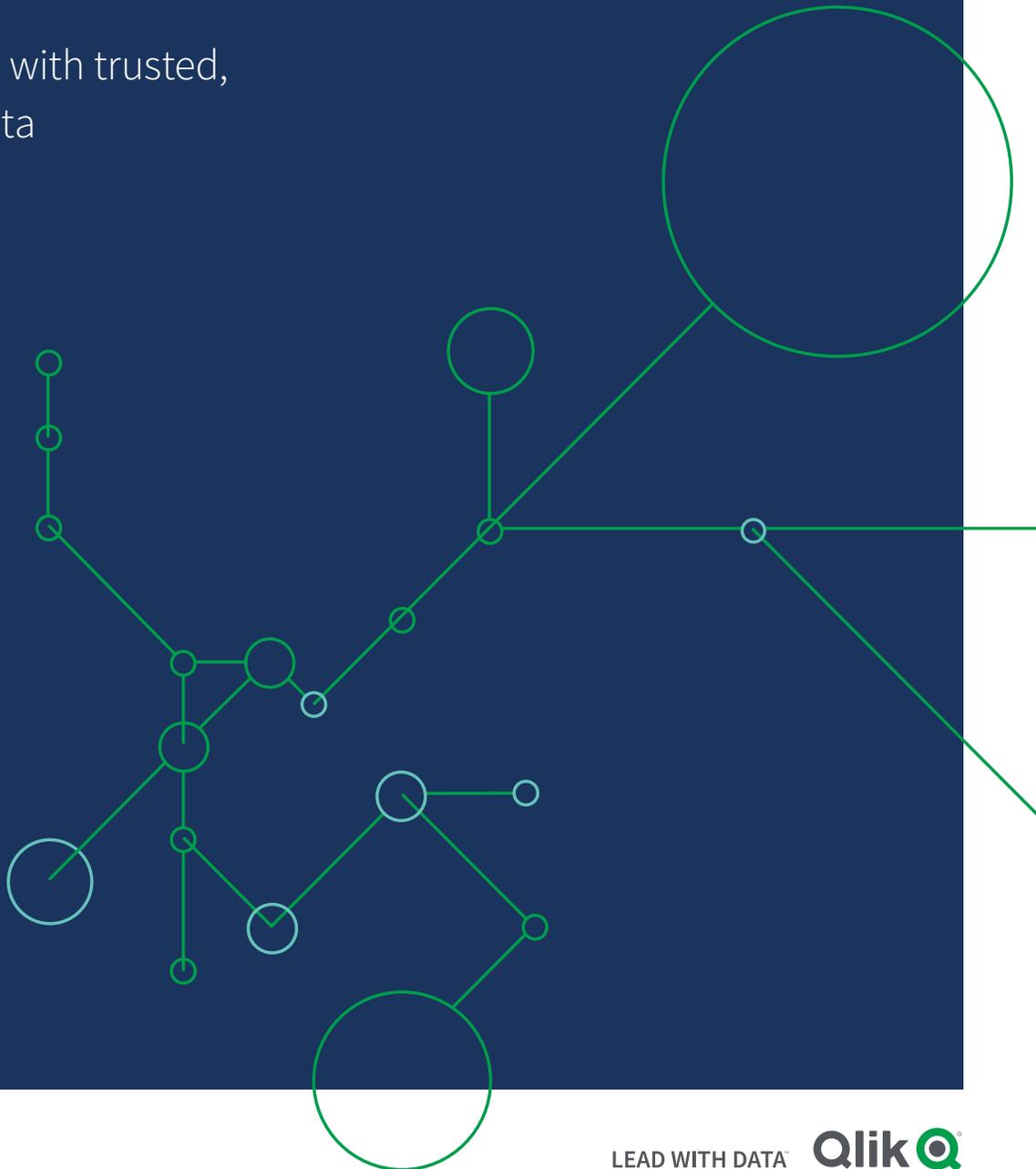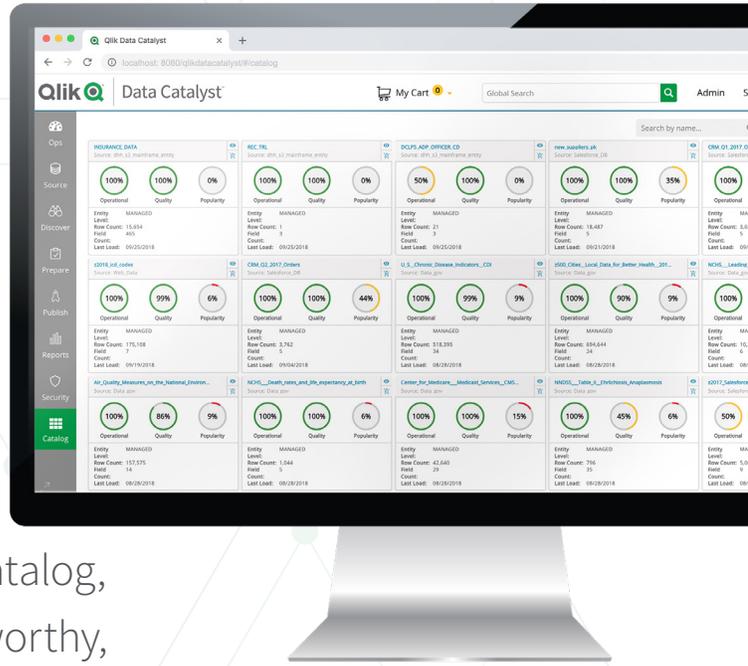# Qlik Data Catalyst

Enabling analytics with trusted, business-ready data

LEAD WITH DATA® Qlik

When you empower your business with on-demand access to analytics-ready data, you accelerate discovery and people get answers faster. Qlik Data Catalyst™ is a modern enterprise data management solution that simplifies and speeds up how you catalog, manage, prepare, and deliver your trustworthy, actionable data to business users across your enterprise.

Qlik Data Catalyst builds a secure, enterprise-scale repository of all the data your business has available for analytics, giving your data consumers a single, go-to catalog to find, understand, and gain insights from any underlying enterprise data source. The solution's data preparation and metadata tools streamline the transformation of raw data into analytics-ready assets, while the product's Smart Data Catalog and graphical user interface (GUI) help people easily discover and select whatever data they need. Built on a platform of hardened data security and featuring governance capabilities, you can easily integrate Qlik Data Catalyst with any of your other data management tools to gain enterprise-grade scalability, reliability, and performance.
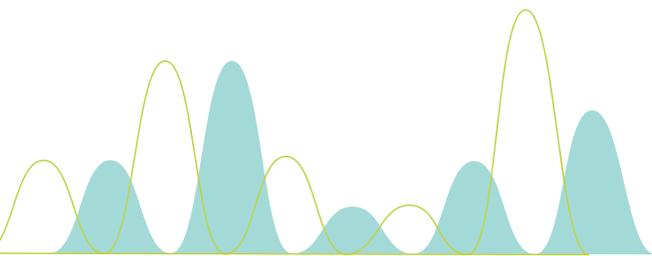
Data Agility and Scale for Next-Generation Analytics

All Your Data in One Simplified View

With Qlik Data Catalyst, data consumers across your organization get on-demand access to business-ready data through a data marketplace, which is an integrated, secure, enterprise data catalog. Flexible options let you decide what data gets integrated into Qlik Data Catalyst collection and what stays in place, while still ensuring all data in the collection is fully documented in the Smart Data Catalog. Support for on-premises, cloud-based, or a hybrid deployment approach, as well as multi-cluster models lets you choose where you want to source, prepare, and deliver your data.

Actionable Data, On-Demand

Qlik Data Catalyst is a self-service platform, and the data you manage in it is always transparent, trustworthy, and business-ready for discovery. Data validation, profiling, and quality measures document the exact content and quality of each data source, while easy-to-use data preparation tools let your users quickly promote data from raw to ready to build-your-own discovery-ready datasets. With Qlik Data Catalyst, analytics-ready data is available on-demand, allowing data analysts, downstream applications, algorithms, or your other data consumers to find and begin using new data in minutes, not months.

Reuse and Collaboration

By preserving and cataloging new datasets and data preparation flows as they're generated, Qlik Data Catalyst empowers your users to reuse and build on previously created assets in the marketplace. Greater reuse lowers data preparation costs and speeds delivery of new data to your data consumers. Your IT experts, data stewards, and business users can make data collections easier to understand and more useful by sharing their insights regarding particular datasets using business metadata, tags, and blog fields as well as standard and custom-defined properties.

Qlik Data Catalyst

Enterprise-Grade Data Management

For your marketplace to scale, enterprise policies, such as data protection and appropriate use, need to be in place at all times. Qlik Data Catalyst facilitates the use of metadata to capture, enforce, and monitor data policies and usage from the time data enters your marketplace. Qlik Data Catalyst delivers on the data marketplace vision by ensuring that your data marketplace includes the full range of essential enterprise-grade data management capabilities, including robust security, governance, performance, interoperability, scalability, and reliability.

Metadata Makes it Possible

Metadata plays a central role in Qlik Data Catalyst, far beyond simply documenting data with simple cataloging or classification. In Qlik Data Catalyst, metadata — captured in a Smart Data Catalog — drives the enterprise data management process and many of Qlik Data Catalyst's key capabilities. Metadata is used to structure, document, secure, and manage data collection, ensuring you have a well-governed marketplace (rather than a swamp). IT teams, data stewards, and data consumers access and use metadata through the Qlik Data Catalyst's GUI to find, understand, and work with data in the marketplace. And data operations teams use Qlik Data Catalyst's metadata to automate the integration of Qlik Data Catalyst workflows with other enterprise schedulers, applications, or repositories at scale.

Core Capabilities

Onboard Data

Qlik Data Catalyst automatically profiles and documents the exact content, structure, and quality of your enterprise data as it is brought into the data marketplace from any and all sources. As part of the onboarding process, Qlik Data Catalyst generates rich metadata, allowing your new data sources to be added into the Qlik Smart Data Catalog and laying the foundation for actual datasets to be loaded into the Qlik Data Catalyst data collection and underlying data storage layer. Built-in loaders simplify the onboarding process and support a wide variety of source types and locations, including RDBMS, mainframe applications, flat files, JSON, XML, S3, and Kafka queues.

Enrich the Catalog

Qlik Data Catalyst builds a Smart Data Catalog that documents every aspect of the data and data management process. As your users search and explore the catalog, technical, business, and operational metadata makes each data element understandable, transparent, trustworthy, and actionable.

Prepare the Data

Qlik Data Catalyst makes your data business-ready by preparing and enhancing it with data standardization, cleansing, and protection measures. Starting with the clean, well-documented "raw" data created through Qlik Data Catalyst's onboard process, your users can easily standardize, enhance, blend, and filter data using Qlik Data Catalyst's drag-and-drop interface — no coding needed. This enables a wide range of users, from business users to data scientists, to access the data they need on demand and create data sets that perfectly match their unique analytic requirements.
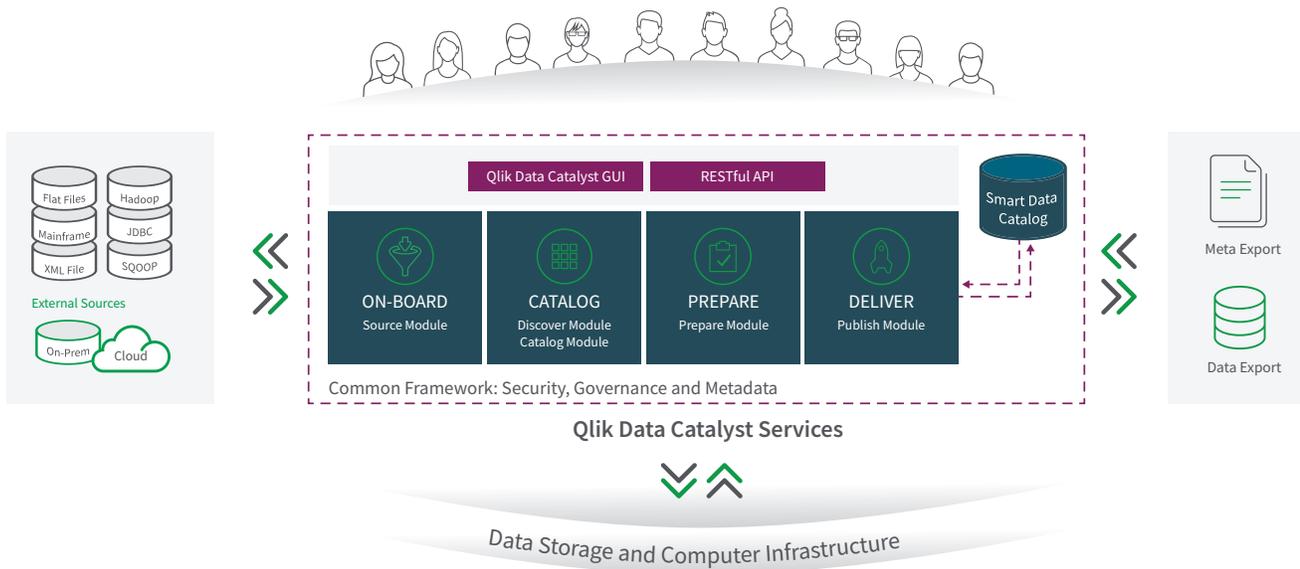
Shop and Publish

Qlik Data Catalyst makes data available for easy, secure consumption by all types of enterprise data users. It supports one-time exports and the recurring, automated publishing of bespoke data sets to downstream data consumers, including data science or analytic platforms, applications (including Qlik Sense), or specific users. Simple integration with workflow schedulers and built-in event logging and notifications allow Qlik Data Catalyst jobs to be seamlessly integrated into your broader dataflow and application integration schemes. And Qlik Data Catalyst allows you to obfuscate fields; specify file format specs; and define delimiters, file type, data load type, and more, so you can ensure data security and control.

Modern Data Management, Built for the Enterprise

Qlik Data Catalyst is a Java-based software solution that runs on top of modern data stores and computer platforms, including Hadoop, Amazon Web Services, Microsoft Azure, and Google Cloud Platform. While leveraging these platforms for data storage and compute power, Qlik Data Catalyst gives you additional layers of functionality to onboard, discover, prepare, and deliver trustworthy, actionable enterprise data to your data consumers. The solution also contains a common framework of services to support integrated data management, including security, data governance, and metadata management — all services that enable a lights-out operational data-as-a-service platform.

User Interface and Modules

All Qlik Data Catalyst features — including data onboarding, cataloging, preparation, shopping, and publishing — are accessed through an intuitive, browser-based GUI. Any GUI actions also direct activity in the metadata repository and services layer.

Common Security and Governance Framework

Qlik Data Catalyst includes a common framework of security, governance, and metadata capabilities that protect data, manage your user access privileges, and track your users' activity across the entire Smart Data Catalog at all times. Consistent application of a unified set of data management practices simplifies platform administration and ensures data security and governance at scale.

Metadata Repository

Qlik Data Catalyst's metadata repository is a relational database that manages and maintains all the metadata collected and generated along every step of your enterprise data management process. It's the secure hub for exchanging metadata with other applications and environment modules that leverage or collect metadata.

Qlik Data Catalyst Services

A Java-based, metadata-driven system, Qlik Data Catalyst takes action on data, such as ingestion (which includes automated validation, profiling, and history management), metadata creation and management, and data preparation. Actions are executed in the data storage and compute infrastructure layer, making Qlik Data Catalyst Services extremely lightweight.

Accelerate Your Transition to Modern Data Management

Qlik Data Catalyst makes providing your business users with analytics-ready data fast and easy. It allows more people in your organization to use analytics to generate new insights that transform your business.

Use cases:

Agile Analytics
Accelerate discovery with self-service access to business-ready data

Enterprise Data On-Demand
Provide your business with analytics-ready enterprise data anytime through a modern data management platform

Faster Data Preparation
Migrate from ETL to a speedier, modern data preparation and delivery approach

Data Governance Enablement
Deliver well-governed data to your business

Mainframe Data for Modern Analytics
Modernize complex COBOL-based data sets

About Qlik

Qlik® is on a mission to create a data-literate world, where everyone can use data to solve their most challenging problems. Only Qlik's end-to-end data management and analytics platform brings together all of an organization's data from any source, enabling people at any skill level to use their curiosity to uncover new insights. Companies use Qlik products to see more deeply into customer behavior, reinvent business processes, discover new revenue streams, and balance risk and reward. Qlik does business in more than 100 countries and serves over 48,000 customers around the world.

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