

Intelligent, cloud-native DataOps for Financial Services and Banking

ConnectIQ is a cloud-native DataOps platform for banks and financial services organisations - faster, more scalable and more privacy-conscious, which accelerates data delivery, facilitates secure data sharing and enables rich data insights with data integrity at the core, for on-prem, cloud, and hybrid architectures.



Why Validata ConnectIQ is different and better?

ConnectIQ empowers banks to unlock more value from their data and become data-driven businesses. It enables you to build and maintain automated pipelines for your organization's data and analytics competency for digital transformation success, as data and analytics are the key enablers of an organization's digitization and transformation efforts.

Includes core capabilities such as:

- Data virtualization
- Synthetic data generation
- Automatic identification of sensitive data and data masking
- Data extraction, loading and advanced ELT integrations
- Data cleansing and deduplication
- Data Governance, Intelligent data lineage & impact analysis
- AI product Recommendation engine
- Self-service booking engine for environments management
- Data Insights

Making it ideal for a variety of use cases:

- **Cloud Migration:** Data migration from on-premise to cloud or between clouds.
- **Data Masking:** to support regulatory compliance
- **Upgrade projects:** data transfer to new platforms or new software versions
- **Agile Test Data Management:** Test data management for DevOps
- **Data Archiving and Data Governance**
- **AI and Analytics:** Unlock value and insights from your data to drive customer engagement



ConnectIQ is built on industry – leading cloud infrastructure and microservices architecture



Built for any cloud

A platform built from the ground up for the cloud, with a multi-tenant and secure cloud design. It enables cloud data protection to ensure your data are secured and kept safe.



Built for scale

A platform with limitless possibilities able to bring more transparency and agility on massive data sets of any scale and across any number of data sources.



API-first

It is an open platform providing a set of APIs enabling connectivity to a wide variety of data sources including Oracle, Cassandra, PostgreSQL, SQL and NoSQL databases, as well as custom data sources. It is able to manage diverse data – structured, unstructured or semi-structured without sacrificing performance or agility.



Infused with AI and machine learning to fuel your data lakes, BI Initiatives

It leverages AI, ML-augmented data algorithms, natural language processing (NLP) for faster and intelligent data search, better recommendations and smarter decision-making. With its SearchIQ AI Engine, It is able to uncover insights from billions of rows of data and multiple sources and delivers them to you in seconds. No experts or advanced training needed, even for the most complex queries.



Code-free /Ease of use

Drag-and-drop workflow elements enable business users to build complex data pipelines and audit their work, without writing a single line of code.



Model-driven

The platform can automatically generate data models, stores all data assets in a central data catalog and self-updates them against changes. The Data Catalog has built-in integration with widely used data platforms and combines advanced features, such as self-generating topic extraction, taxonomy generation, semantic discovery, knowledge graphs and automated cataloging and pattern mapping driven by machine learning.



Normalised data model

Built with normalized and dimensional modeling techniques, it extracts and self-updates metadata and production data from your applications, and creates a normalised database for faster data querying and filtering.



Data-Centric Trust

ConnectIQ secures data for extreme data integrity. Identifies and masks sensitive information to comply with regulations such as GDPR, etc. Also brings people, tools and data together in secure virtual environments promoting collaboration while ensuring data governance and control.



Traceability/ Time

Keeps track of traceability of changes with version control. “Time Travel” allows you to issue queries against any moment of time and instantly retrieve the data as of that instance



Semantic Interoperability

Exchange information with shared meaning through the use of universal standards. Data arrives pre-packaged with self-described context, and data consumers can derive meaning from that data through a controlled, shared vocabulary



Data-Centric Security

Data-centric security is at the data layer, emphasizing on the security of data rather than on the application level for better collaboration, compliance, and governance. This approach protects from potential data breaches and saves time in managing identity/access across the enterprise.

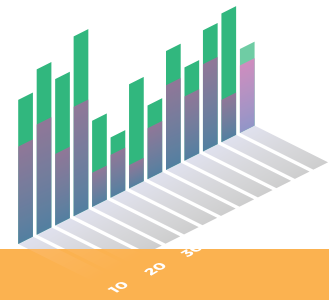


Secure Data Sharing, Self-service access

Provide secure and direct data access to every data consumer in your company. Data can be shared and reused across different models and pipelines. Developers can branch data alongside code branches, while testers can bookmark and share data with developers to resolve issues faster.

Maximise the Value of Data across its lifecycle

ConnectIQ empowers banks to unlock more value from their data and become data-driven businesses. It enables you to build and maintain automated pipelines or your organization's data and analytics competency for digital transformation success, as data and analytics are the key enablers of an organization's digitization and transformation efforts.



Leveraging data virtualization technology, ConnectIQ holds a single copy of your production data that is continuously updated, and can then provision complete virtual copies of this data as required.

A single ConnectIQ database copy can easily create any number of virtual zero-byte database copies on demand, eliminating the many physical copies previously held in datacenter storage. With ConnectIQ a new virtual clone can be available in less than 5 minutes.

It looks at your existing datasets and uses AI to automatically create synthetic data for missing data combinations, for data virtualization or excess scenarios on demand. Endless amounts of data can be created based on a small sample of the real data, making it an ideal solution for diverse Testing & Development use cases, as well as for use across the enterprise.

Reduce data footprints
by

50x

Provision data faster
by

100x

This translates into 5-10 million USD savings in storage costs over four years, and reduction in admin overhead for managing data!

Sharing Data Securely

With secure, multi-tenant data sharing capabilities, it automatically masks and shares data to downstream environments for AI and Analytics. Data can be shared and reused across different models and pipelines. Developers can branch data alongside code branches, while testers can bookmark and share data with developers to resolve issues faster. Enabling this automatically ensures your data is secure across the enterprise, minimizes data risks, and ultimately protects your business.

Integrations

ConnectIQ supports frictionless integrations with third-party data and seamlessly integrates with test automation tools (Validata Sense.ai, Micro Focus Quality Center, etc) and DevOps tools such as Jenkins, Azure DevOps, etc so that data can be automatically provisioned across, addressing the data friction in the CI/CD process. It integrates out of the box with Validata Service Virtualisation, feeding data directly and securely to service virtualization engine, closely linking test data with virtual endpoints. Test data can be sliced per test requirements or generate new data as per test requirements. Test data are always aligned with requirements and are automatically syncing with changing test requirements.

Benefits

- Make Data Easy to Find, Understand and Use
- Simplify DataOps With Automated Data Pipelines
- Improve Collaboration and Sharing
- Eliminate Redundant Work With Custom Data Products
- Reduce Storage, Infrastructure Costs and Admin Overheads
- Discover Insights and make AI-assisted, Data-driven Decisions

