

# GX Cloud

## Everything you need to trust your data

Have confidence in every decision—experience the most popular data quality framework as a SaaS solution, with effortless deployment, seamless scaling, and enhanced collaboration.



GX Cloud is a fully managed data quality solution. Powered by GX OSS, GX Cloud builds trust in your data by enabling data validation and testing that unlocks business insights.

### CHALLENGE:

#### Incomplete, inconsistent, inaccurate data causes bad decisions and bad results

When business stakeholders report bad data, data teams lose their credibility and everyone loses confidence.

### SOLUTION:

#### Catch deficient data before stakeholders do and create data confidence

Implement comprehensive data quality test coverage, from exploratory profiling to historical results and everything in between, with GX Cloud. It offers built-in data exploration features and tools for generating Expectations—making it easy for you to create and maintain essential knowledge for everyone.

### CHALLENGE:

#### Lack of domain expertise while creating tests and validations

Data teams need input from business users to implement data quality tests that go deep enough to be truly effective, but business users don't have time for intensive collaboration projects.

### SOLUTION:

#### Easy pathways for stakeholders to contribute domain knowledge to tests

Teams across the organization can collaborate easily and meaningfully with GX Cloud. Using Expectations to test your data offers deeper insights that are resilient to evolving business and technical requirements—unlike traditional schema validation. With the updated documentation that Expectations automatically generates, everyone has visibility into your data quality tests and results.

### CHALLENGE:

#### Too much effort to trace and resolve the root cause of data issues

Data teams are responsible for data and pipelines they don't control, making it hard to identify, assess, validate, and address data incidents.

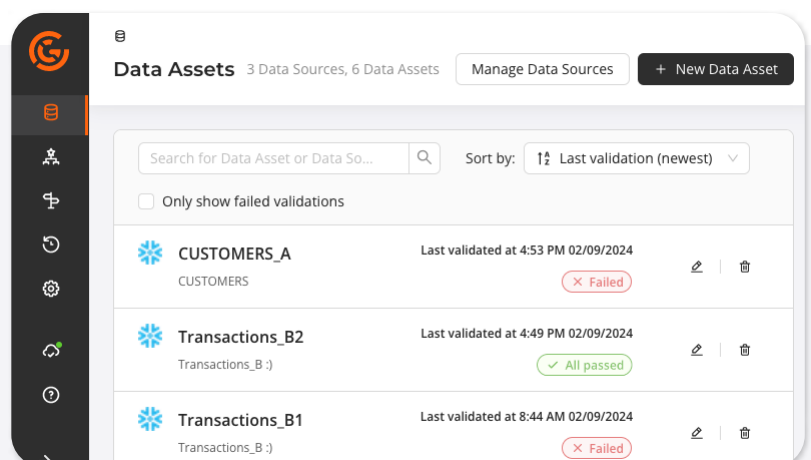
### SOLUTION:

#### Data quality testing that's proactive, extensible, and fits your stack

GX Cloud provides end-to-end tools to build and manage a data quality process. Proactively identify and be alerted to issues before they have a downstream impact with GX Cloud's transparent and adaptable testing and validation methods, and enhance your data team's productivity without depending on black boxes or opaque automation.

## GX Cloud: powered by GX OSS

GX Cloud is built on top of GX OSS, the world's most popular data quality framework. With a vibrant open source community over 11,000 strong, GX OSS gives developers a comprehensive toolkit to build accessible, straightforward data understanding.



## Why GX Cloud?



### End-to-end platform for managing the full data quality lifecycle

GX Cloud isn't just a one-trick point solution. It's your go-to for data quality. From the initial profiling of your data to ongoing monitoring and validation, GX Cloud is an all-in-one solution that streamlines the entire lifecycle of your data quality management.



### Clear, expressive Expectations that build shared understanding


GX Cloud's Expectations foster collaboration by bringing teams together with their readable, plain-language approach to testing. Expectations automatically generate documentation for each set of validation results, making it easy for everyone to stay on the same page. That's not only a simpler data quality process but one that helps preserve your team's knowledge.



### Powered by the world's most popular open source data quality framework

GX Cloud is built on a strong open source foundation. Through that connection, GX Cloud taps into the collective expertise of a huge community, benefiting from the real-life needs of on-the-job data practitioners. And in the open source tradition, GX Cloud democratizes data quality, empowering every team member and stakeholder with transparency from the bottom up, ensuring extensibility and adaptability at every level.

## GX Cloud capabilities

<b>Data sources</b>	Connect to the data that is most important to your team. GX Cloud currently supports Snowflake and PostgreSQL. <i>BigQuery, Databricks, Redshift, and others coming soon.</i>
<b>Data quality tests</b>	Employ 44 of our top Expectations to test for common data quality issues, including schema, freshness, volume, missingness, and many others.
<b>Custom tests</b>	Assert your unique business knowledge as reusable data quality tests.
<b>Data validation results</b>	View and share visualizations of your data validation results over time.
<b>Data validation scheduling</b>	Leverage our test scheduler or integrate your existing orchestrator to put data testing on autopilot.
<b>Secure deployment</b>	Connect securely to your data sources with a fully hosted GX Cloud deployment or a self-hosted Agent deployment.
<b>Role-based access control</b>	Define roles and privileges for GX Cloud users with a policy-neutral access control approach.
<b>Incident detection</b>	Protect your data by identifying and addressing unusual or unexpected behaviors. <i>Coming soon.</i>
<b>Alerts and notifications</b>	Be the first to know when there is a problem with your data with Slack and email alerts.
<b>Privacy and security</b>	SOC 2 

To learn more about GX Cloud, visit <https://greatexpectations.io/gx-cloud>