IBM Knowledge Catalog – Data Quality

Vishwas Balakrishna
Product Manager, Metadata Import | Metadata Enrichment | Data Quality | Workflows

Agenda

1. What is data quality?
1.1 Definition & perspectives
1.2 Challenges & risks
1.3 Key market trends
1.4 Business centric metrics

2. Data quality on Cloud Pak for Data
2.1 Objectives
2.2 Product vision & strategy
2.3 Unified data quality solution
2.4 Entry points

3. Roadmap
3.1 Data quality timeline

01

What is data quality?

Data quality solutions are the set of processes and technologies for identifying, understanding, preventing, escalating and correcting issues in data that supports effective decision making and governance across all business processes”
- Gartner DQ report

Data quality in governance is required to accelerate insights and address regulatory compliance.

BUSINESS NEEDS

Organizations struggle to deliver timely, trusted, quality data for business insights.

↓

Data is useful only if its context, content and quality is trusted and continuously evaluated.

REGULATORY COMPLIANCE

Organizations struggle to keep pace with data privacy and industry regulations.

↓

To ensure data is regulatory compliant, it is critical to address quality issues.

Challenges & risks

Data quality is one fundamental challenge inhibiting enterprises from becoming data-driven

Source: Capgemini Research Institute

45%

Data access

Multiple locations, clouds, applications and data silos hinder timely delivery of right data to the right users.

Only **45%** of enterprise data useful for analysis was analyzed or fed into AI.[1]

80%

Data quality

Poor data quality and consistency lowers trust in data.

80% of business executives surveyed do not trust their data.[2]

26%

Data literacy

Lack of a consistent understanding of data across the organization can hinder data utilization.

26% of survey respondents cite expanding companywide data literacy as a high or critical priority.[3]

18%

Data protection

Inadequate data protection increases the risk of non-compliance.

Only **18%** of survey respondents report that their firm excelled at protecting organizational data.[4]

“Bad data quality costs organizations an average of $12.9 million per year. ”

Gartner report *2021*

Managing data quality consumes up to 20% of a data management team's time*. Often this is time spent on generic and un-focused data quality improvement efforts.

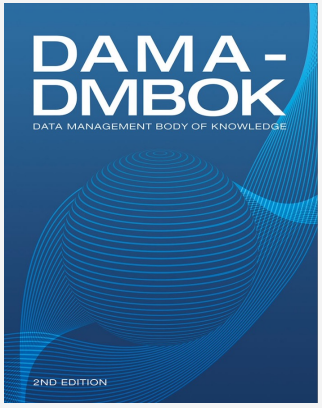
↓

Only by **identifying critical data elements** and their associated service level objectives can organizations ensure efforts are spent on the right topics, such as data feeding regulatory reporting requirements.

Source: Gartner report

Measuring data quality

Data quality dimensions for business centric metrics



The Data Management Association (DAMA) International published a paper that describes 6 core dimensions of data quality.

Accuracy

Data values are as close as possible to real values.

Completeness

All required data values are present in the data.

Consistency

Data values within a column comply with a rule.

Timeliness

Data represent the reality from a required point in time.

Uniqueness

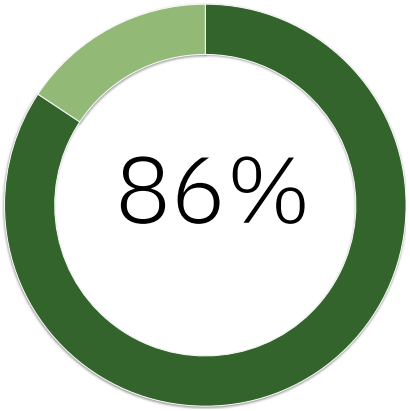
Distinct values appear only once within a column of data.

Validity

Data conforms to the format, type, or range of its definition.

Insights

Customers are looking for detailed data quality info



Finding

86% of all data consumer and data provider want to see data quality on individual column level in their dataset or table.

Top attributes and metrics

Consistency 90%

The number of inconsistencies, the percentage of data that is the same across multiple systems.

Accuracy 88%

The ratio of data to errors. incorrect or unlikely values (Misspellings, Incorrect Numbers, etc.).

Completeness 86%

Missing or incomplete data, potential missing records within a master data entity.

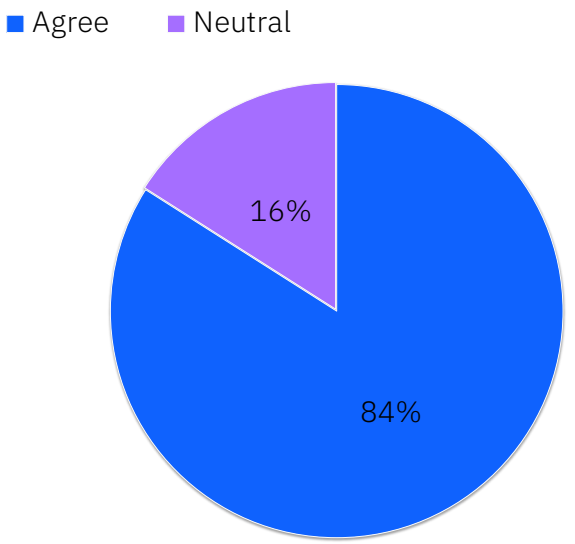
Insights

Customers are looking for a holistic and collaborative view for all stakeholders

"Holistic approach to data management. Working in a collaboration to identify data issues and come up with remediations or improvement initiatives as a team."

Master Data Governance consultant

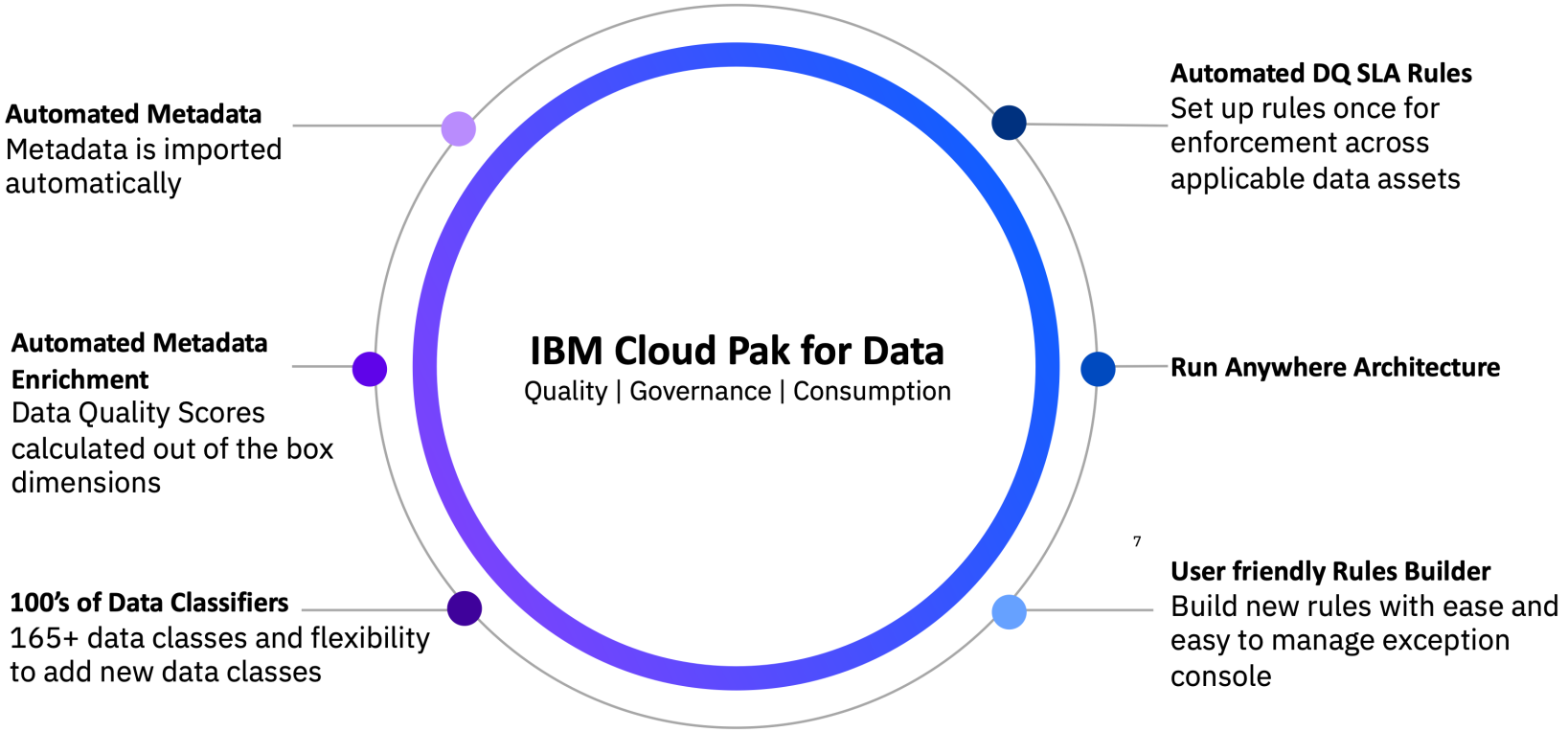
"The Data Quality metrics across business focused Data Consumers and more technical focused Data Providers should be combined in a single tool or platform."



02

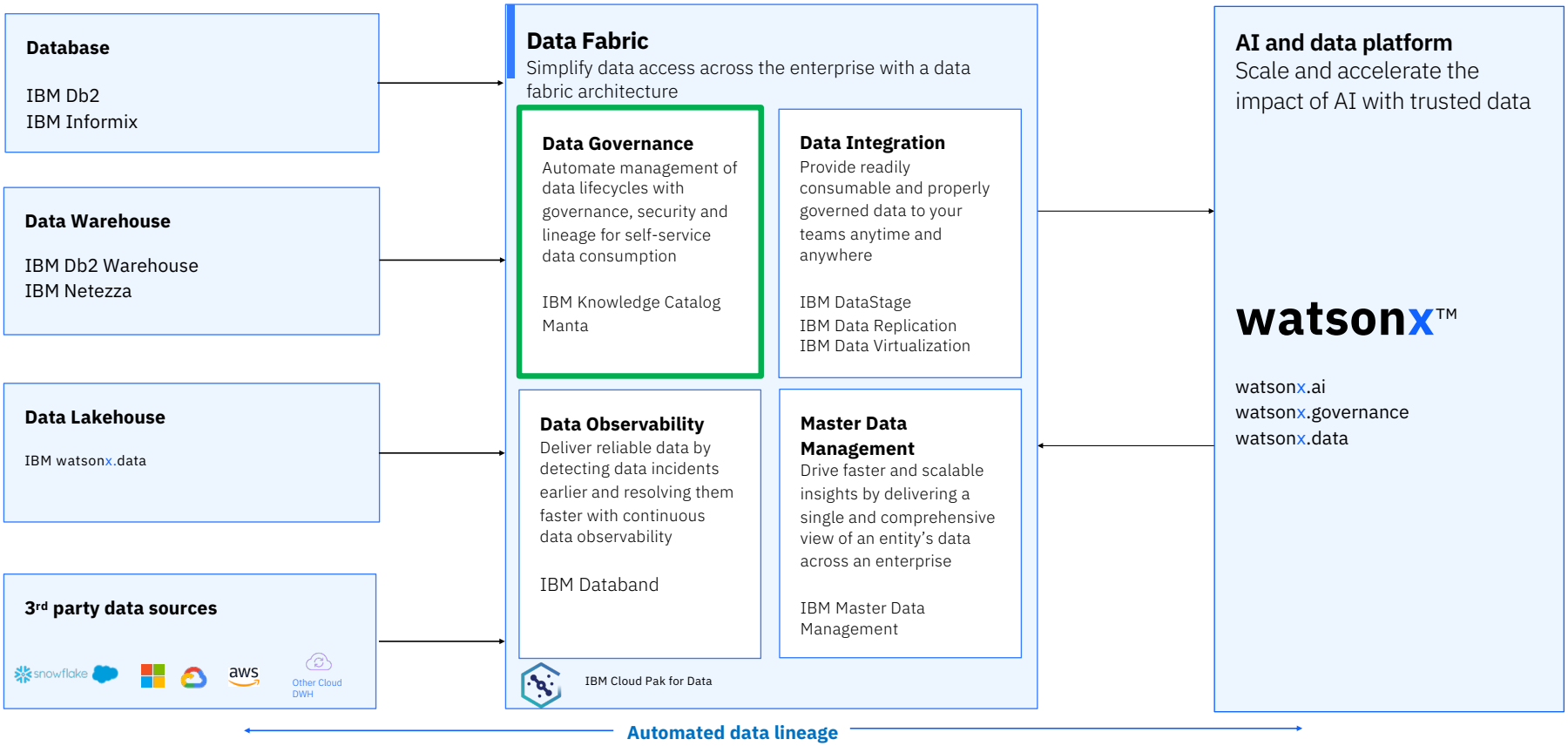
Data quality on CPD

Why IBM ? Key Differentiators



Product vision & strategy

Investments in a Data Fabric will accelerate and scale organizations' AI initiatives

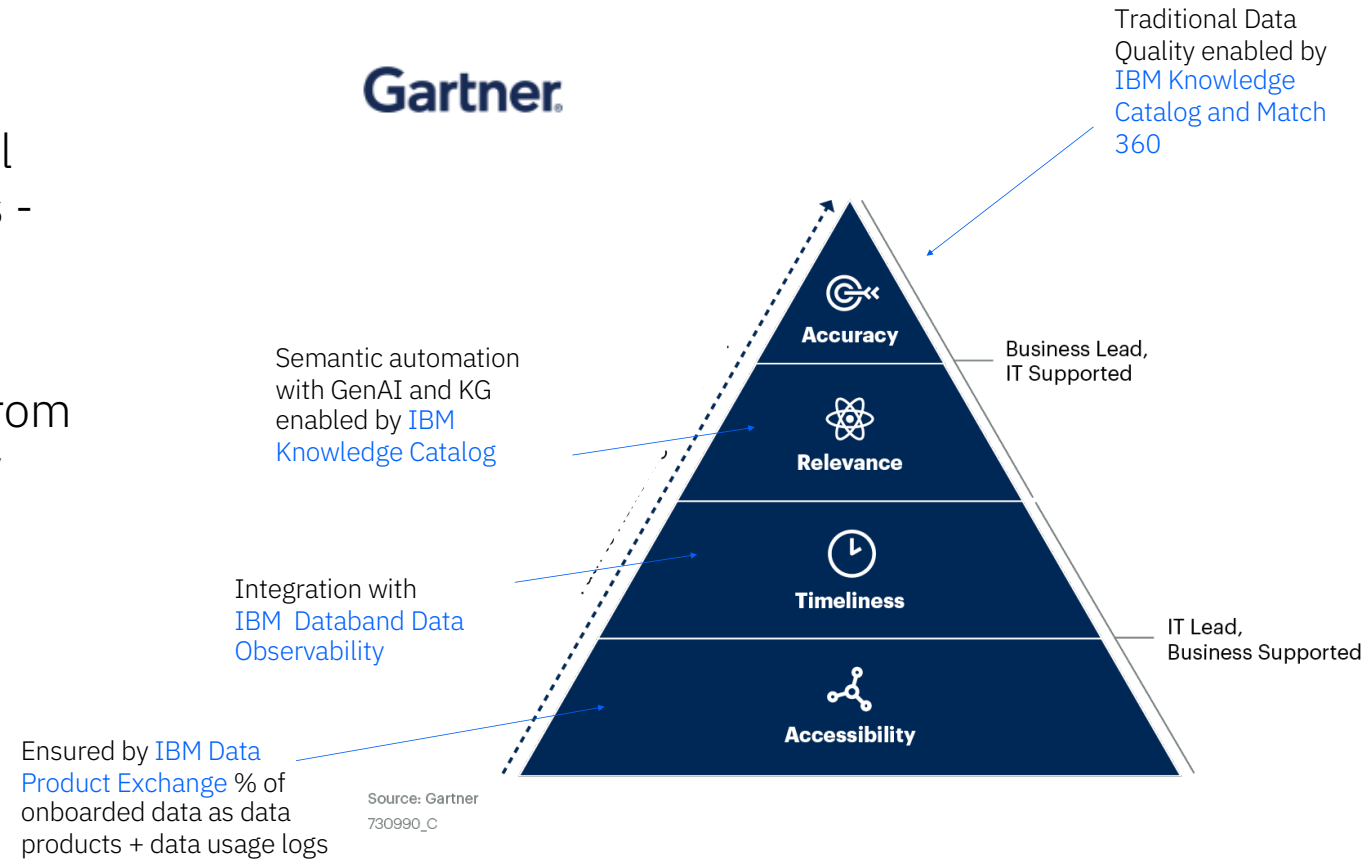


Gain deeper visibility into your data and its journey from source to end-use for regulatory compliance and AI use cases with Manta, an IBM company

IBM Data Quality capabilities for Data Fabric

As reported by Gartner, Data Fabric goes beyond traditional focus of data quality solutions - Data Quality is more than just Accuracy.

Effective Data Fabric design from IBM delivers on 4 core quality dimensions by design.



Unified data quality approach

Unified data quality approach as an automated process

Unified data quality approach as an automated process

UNDERSTAND DATA

Identify & classify critical data elements

Prepare governance artifacts and auto-assign business terms and classifications to data in Metadata enrichment.

Unified data quality approach as an automated process

UNDERSTAND DATA

Identify & classify critical data elements

Prepare governance artifacts and auto-assign business terms and classifications to data in Metadata enrichment.

ANALYSE DATA

Run data quality checks on data

Allow all source agnostic analysis on data assets to get data quality scores based on dimensions.

Unified data quality approach as an automated process

UNDERSTAND DATA

Identify & classify critical data elements

Prepare governance artifacts and auto-assign business terms and classifications to data in Metadata enrichment.

ANALYSE DATA

Run data quality checks on data

Allow all source agnostic analysis on data assets to get data quality scores based on dimensions.

DEFINE QUALITY EXPECTATIONS

Data quality governance with SLA rules

Define thresholds as acceptable criteria and decide what automated action to take in case of violations.

Unified data quality approach as an automated process

UNDERSTAND DATA

Identify & classify critical data elements

Prepare governance artifacts and auto-assign business terms and classifications to data in Metadata enrichment.

ANALYSE DATA

Run data quality checks on data

Allow all source agnostic analysis on data assets to get data quality scores based on dimensions.

DEFINE QUALITY EXPECTATIONS

Data quality governance with SLA rules

Define thresholds as acceptable criteria and decide what automated action to take in case of violations.

ONGOING MONITORING

Monitor data quality & SLA compliance

Review data quality scores and SLA compliance. Investigate cause of issues and see failed records.

Unified data quality approach as an automated process

UNDERSTAND DATA

Identify & classify critical data elements

Prepare governance artifacts and auto-assign business terms and classifications to data in Metadata enrichment.

ANALYSE DATA

Run data quality checks on data

Allow all source agnostic analysis on data assets to get data quality scores based on dimensions.

DEFINE QUALITY EXPECTATIONS

Data quality governance with SLA rules

Define thresholds as acceptable criteria and decide what automated action to take in case of violations.

ONGOING MONITORING

Monitor data quality & SLA compliance

Review data quality scores and SLA compliance. Investigate cause of issues and see failed records.

Unified data quality approach as an automated process

UNDERSTAND DATA

Identify & classify critical data elements

Prepare governance artifacts and auto-assign business terms and classifications to data in Metadata enrichment.

ANALYSE DATA

Run data quality checks on data

Allow all source agnostic analysis on data assets to get data quality scores based on dimensions.

DEFINE QUALITY EXPECTATIONS

Data quality governance with SLA rules

Define thresholds as acceptable criteria and decide what automated action to take in case of violations.

ONGOING MONITORING

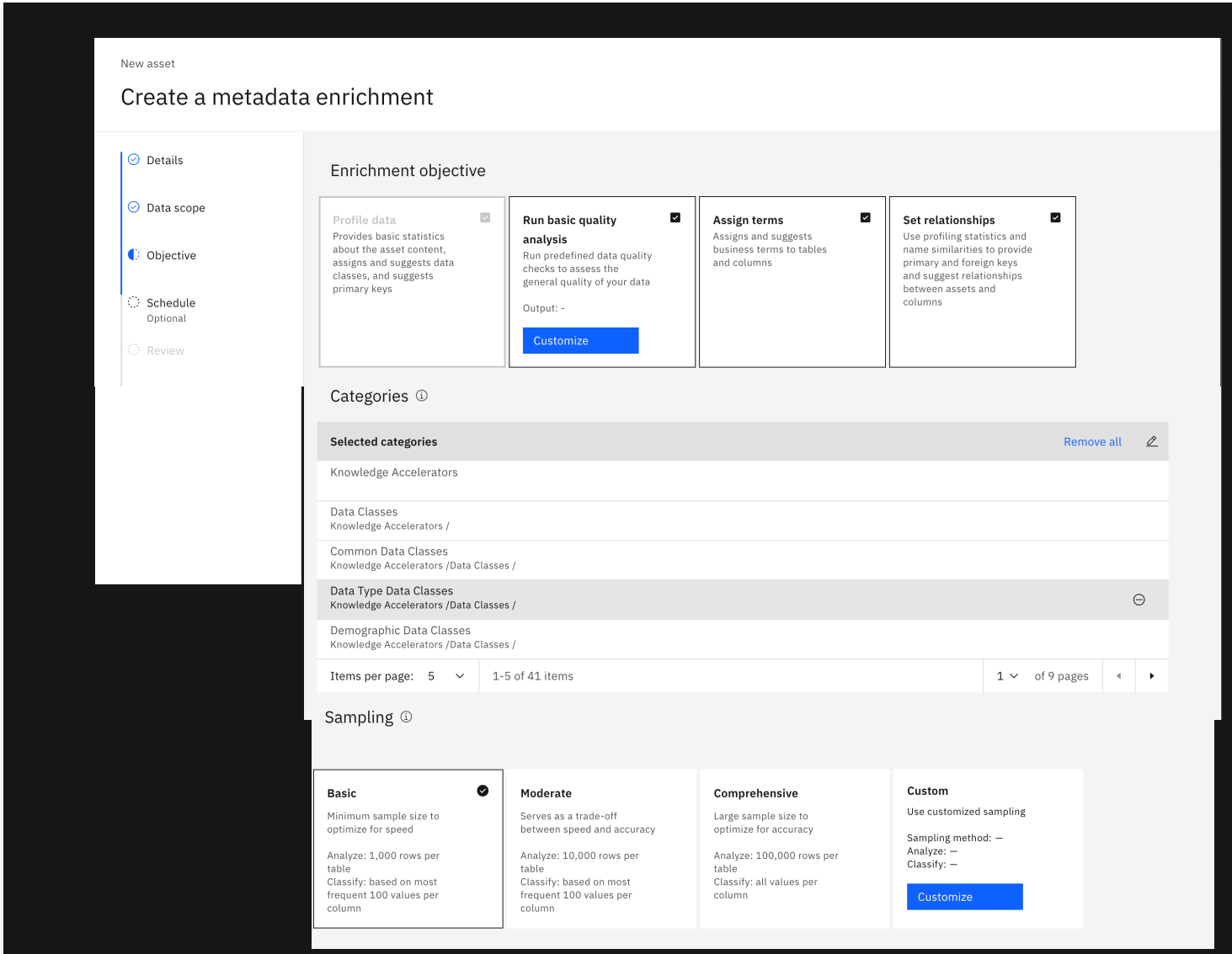
Monitor data quality & SLA compliance

Understand data quality and review SLA compliance. Investigate issues. Subscribe to data quality events.

UNDERSTAND DATA

Identify & classify critical data elements

The platform experience combines a comprehensive range of capabilities. With its open ecosystem, users can perform metadata enrichment across any source.



Unified data quality approach as an automated process

UNDERSTAND DATA

Identify & classify critical data elements

Prepare governance artifacts and auto-assign business terms and classifications to data in Metadata enrichment.

ANALYSE DATA

Run data quality checks on data

Allow all source agnostic analysis on data assets to get data quality scores based on dimensions.

DEFINE QUALITY EXPECTATIONS

Data quality governance with SLA rules

Define thresholds as acceptable criteria and decide what automated action to take in case of violations.

ONGOING MONITORING

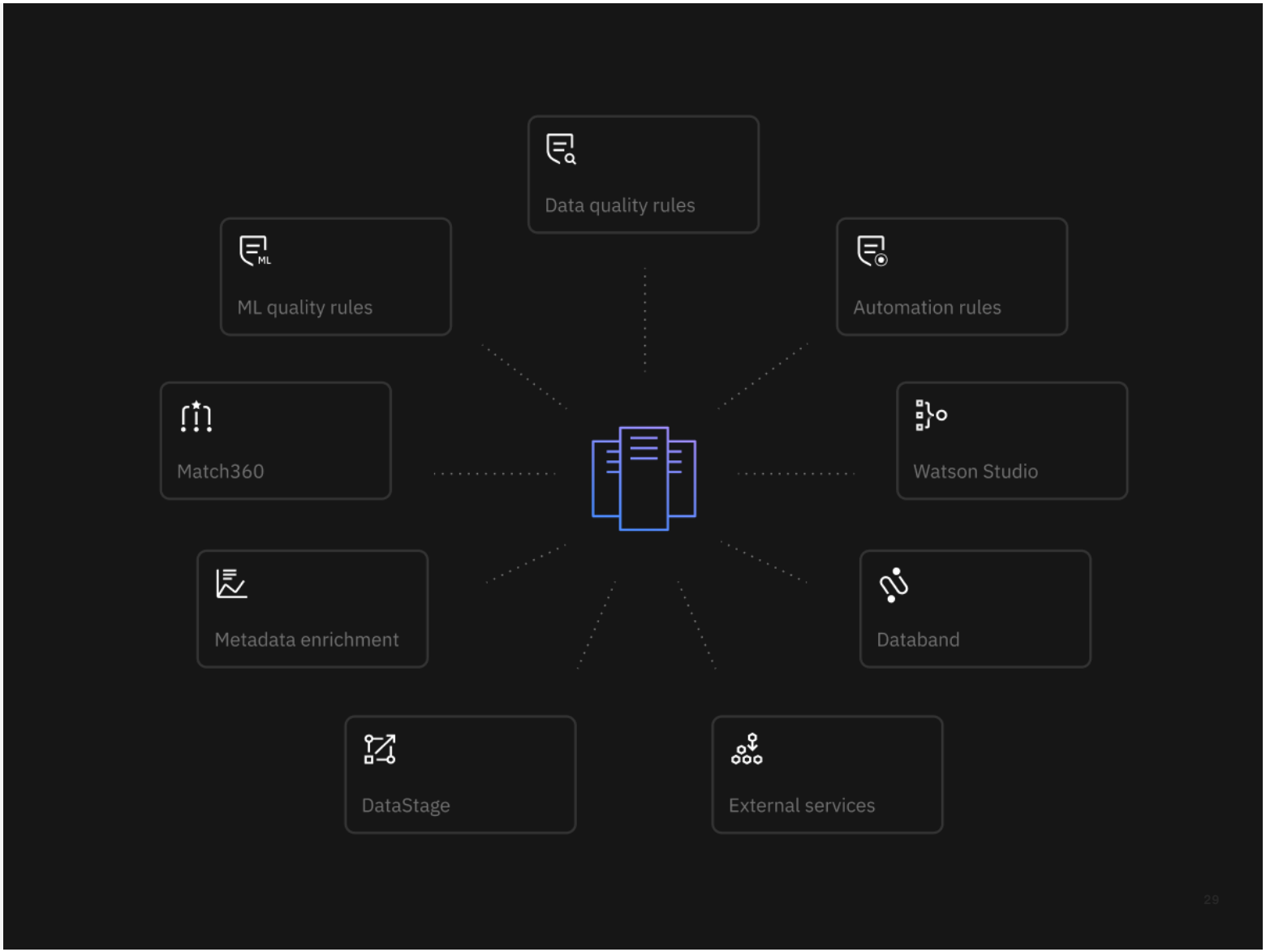
Monitor data quality & SLA compliance

Understand data quality and review SLA compliance. Investigate issues. Subscribe to data quality events.

ANALYSE DATA

Run platform wide data quality checks

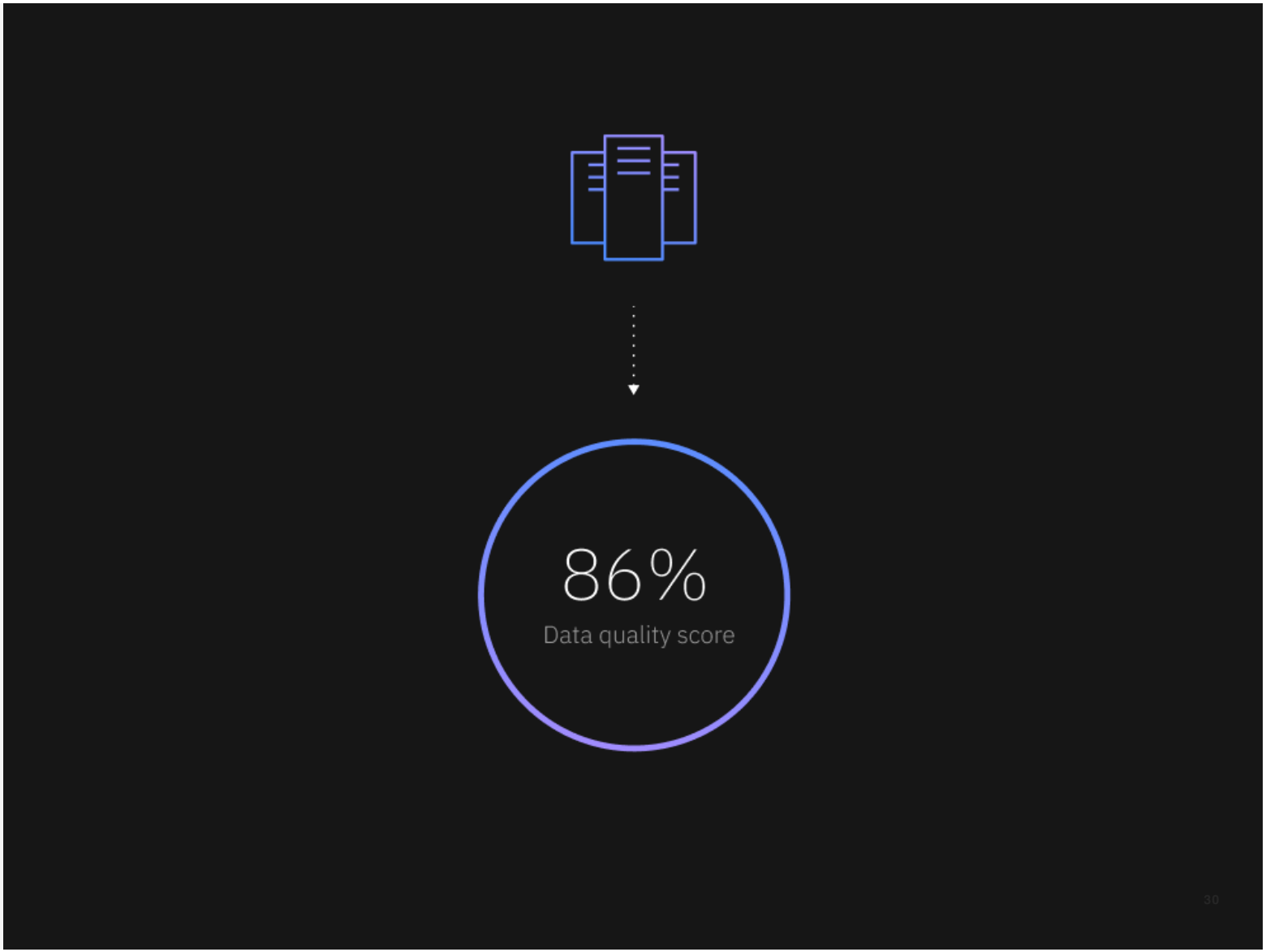
The platform experience combines a comprehensive range of capabilities. With its open ecosystem, users can perform quality analysis across any source.



ANALYSE DATA

Store data quality results centralised

Once the data quality score and results are measured, they’re stored in a holistic architecture that’s accessible to users across the platform.

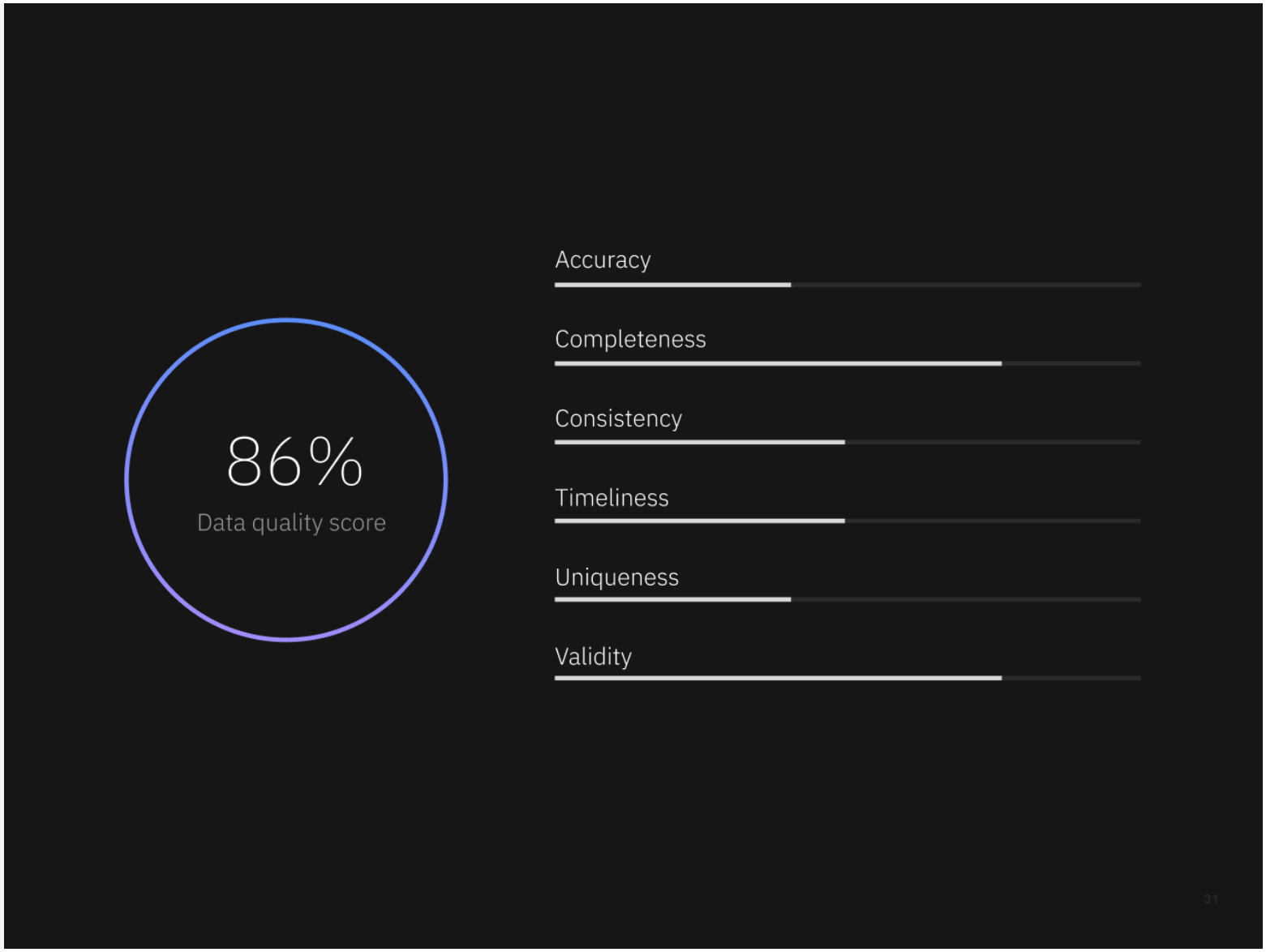


ANALYSE DATA

Business centric data quality dimensions

IBM Cloud Pak for Data addresses a range of business requirements with out-of-the-box quality dimensions as DAMA industry standards.

This enables data teams to see a breakdown by dimension to conduct custom evaluations based on their unique business priorities.

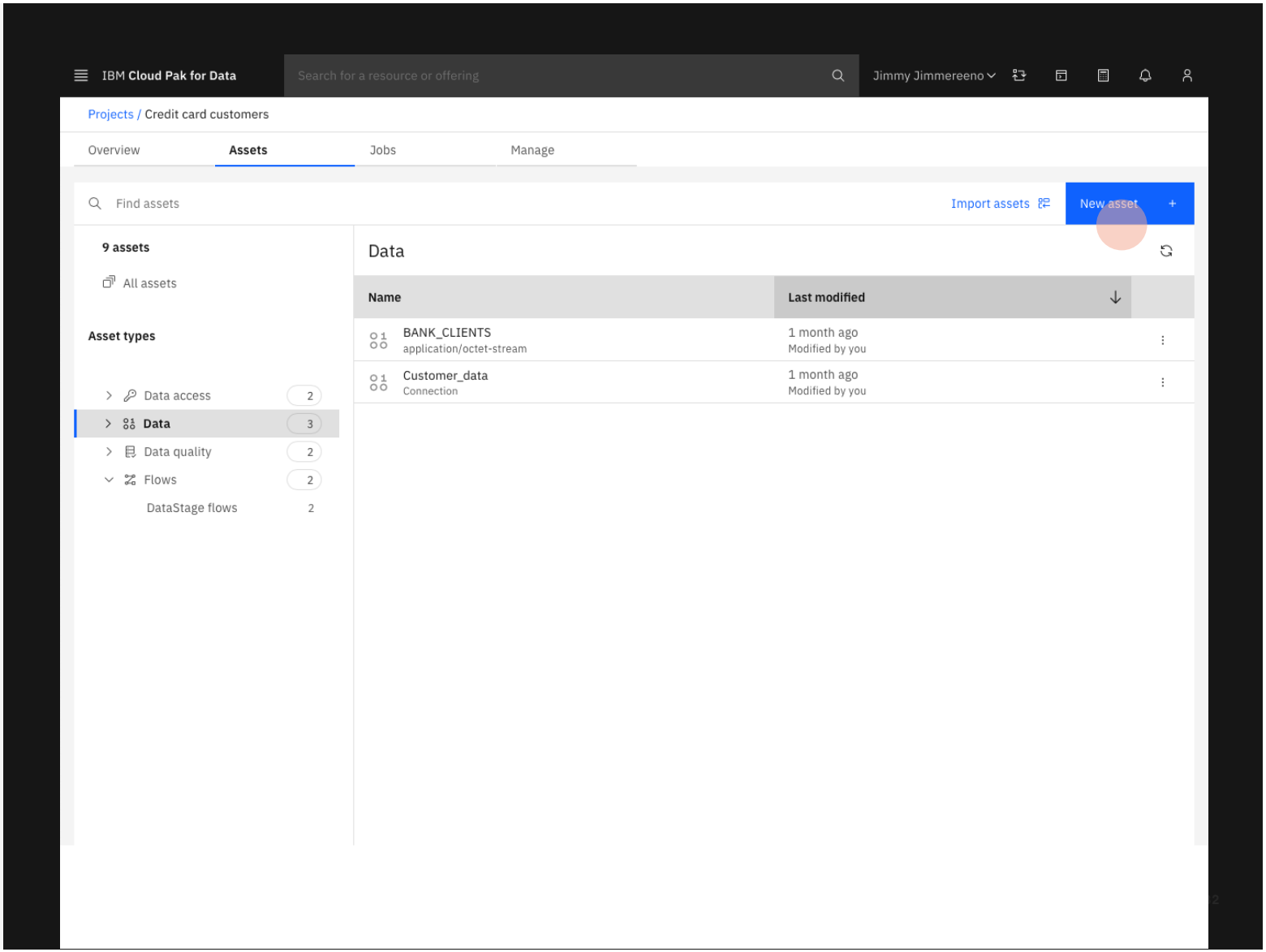


ANALYSE DATA

Example: Data quality rule

Check for this criteria:

Column **Account number** in data asset **“Customer_data”** to have only **unique values.**

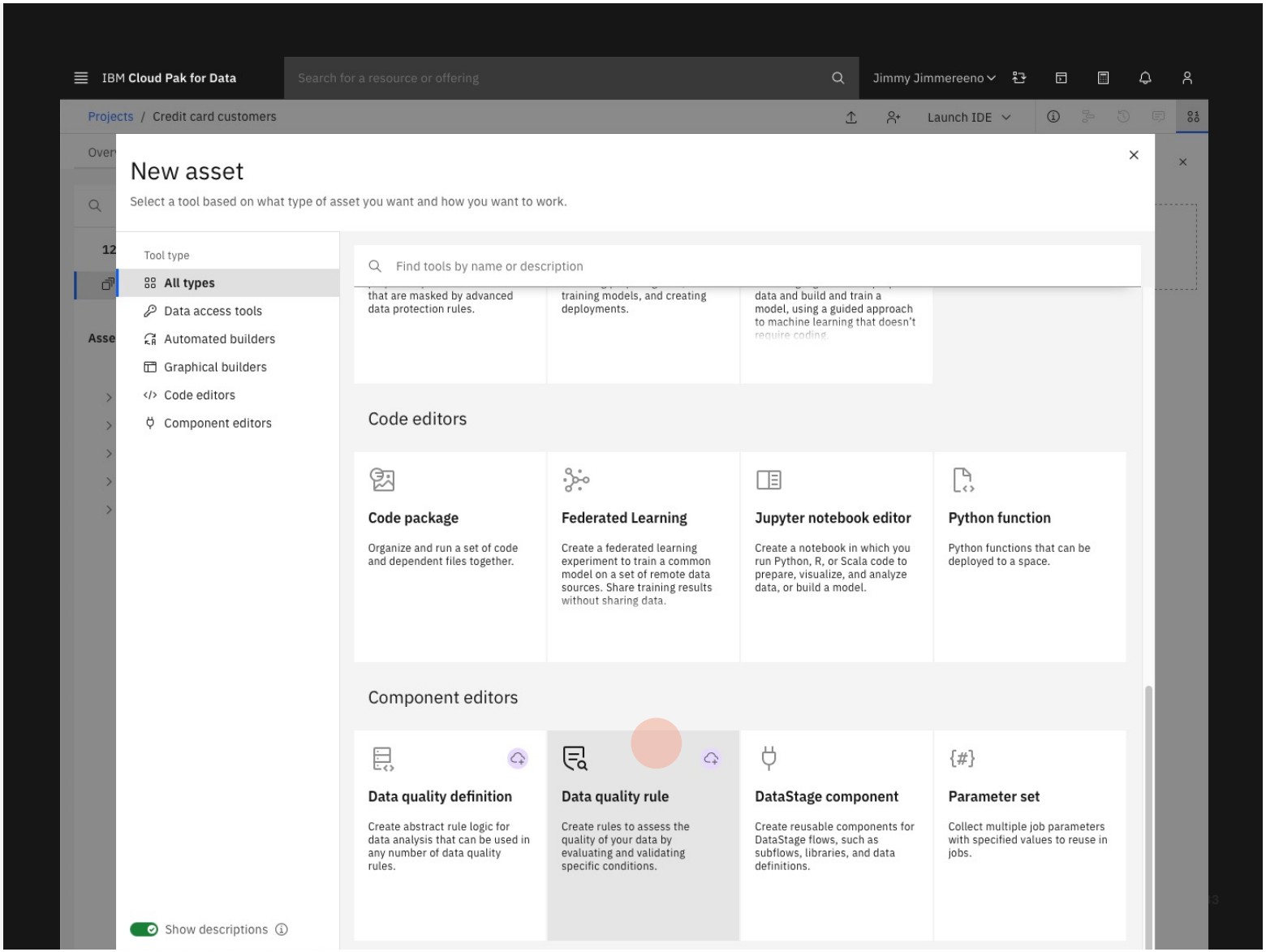


ANALYSE DATA

Example: Data quality rule

Check for this criteria:

Column **Account number** in data asset **“Customer_data”** to have only **unique values**.

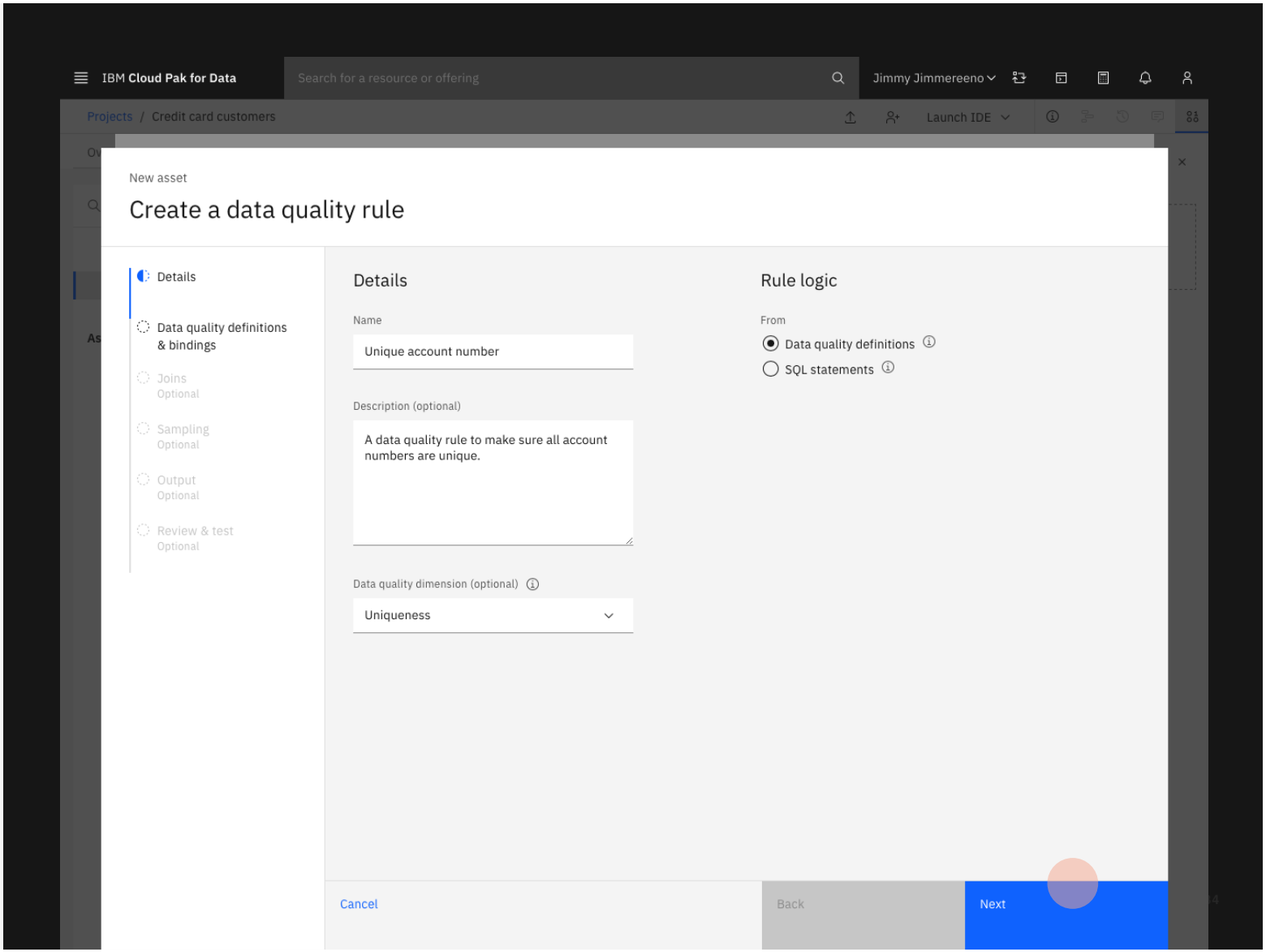


ANALYSE DATA

Example: Data quality rule

Check for this criteria:

Column **Account number** in data asset **“Customer_data”** to have only **unique values.**

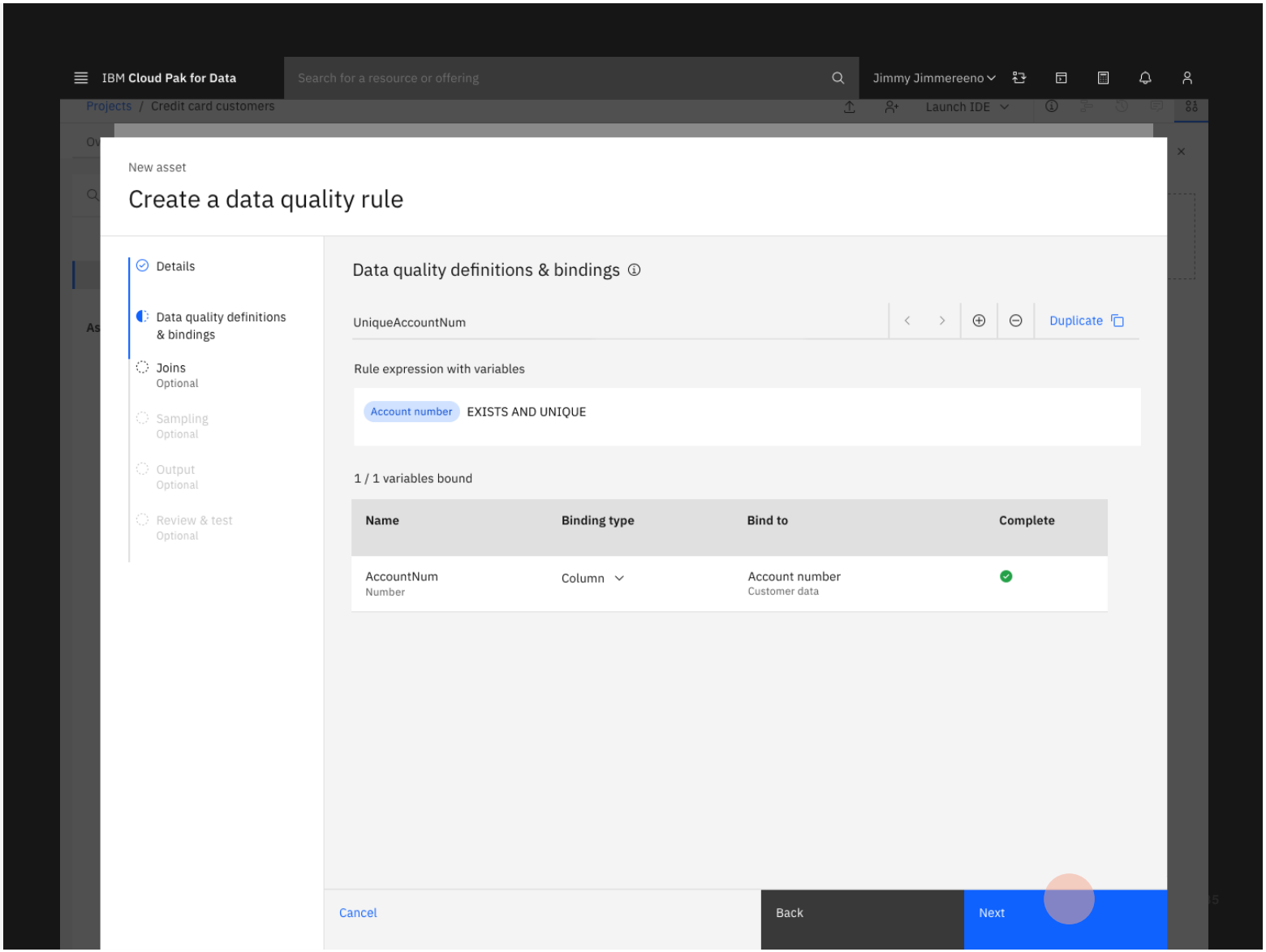


ANALYSE DATA

Example: Data quality rule

Check for this criteria:

Column **Account number** in data asset **“Customer_data”** to have only **unique values.**

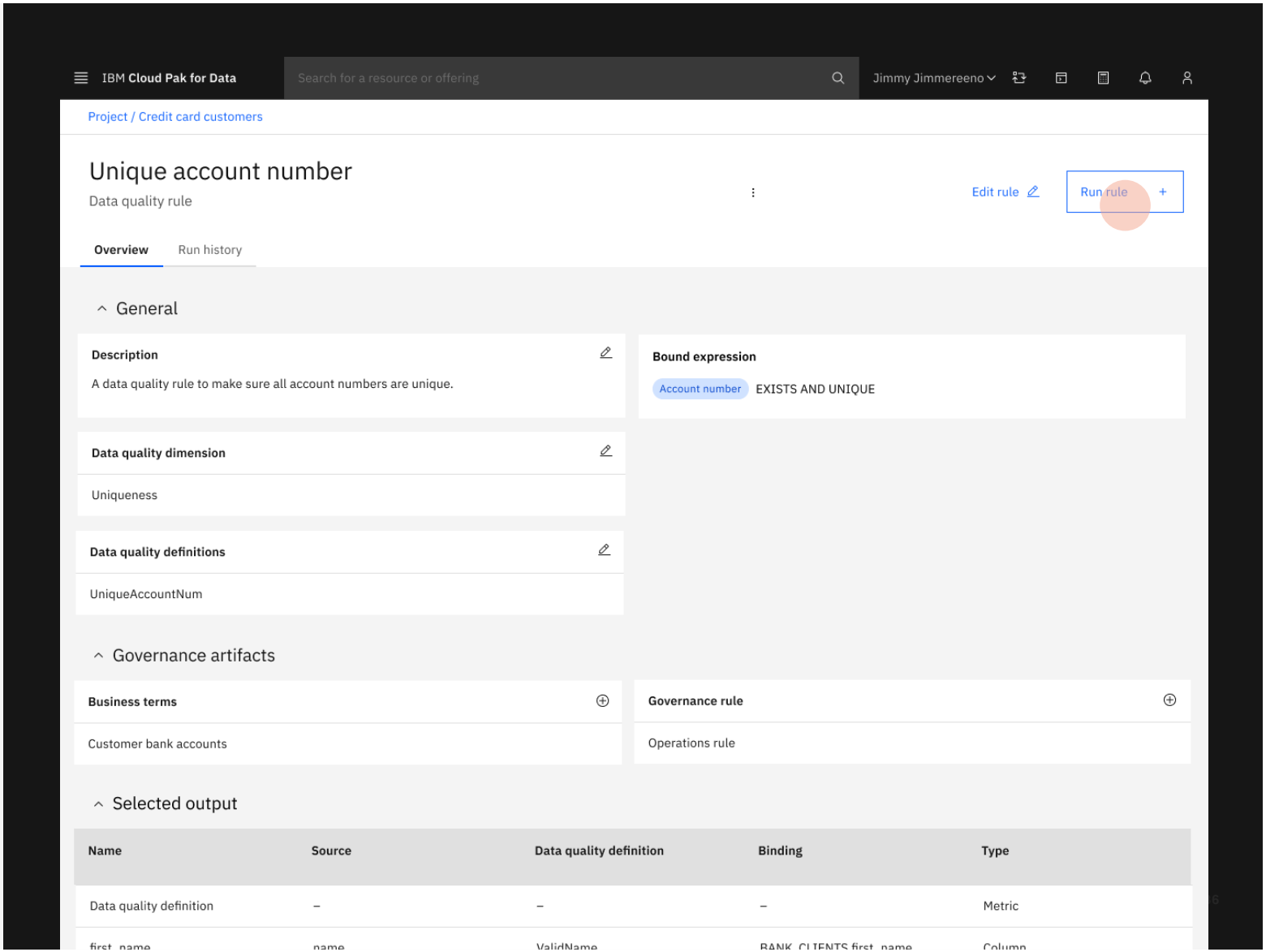


ANALYSE DATA

Example: Data quality rule

Check for this criteria:

Column **Account number** in data asset **“Customer_data”** to have only **unique values**.

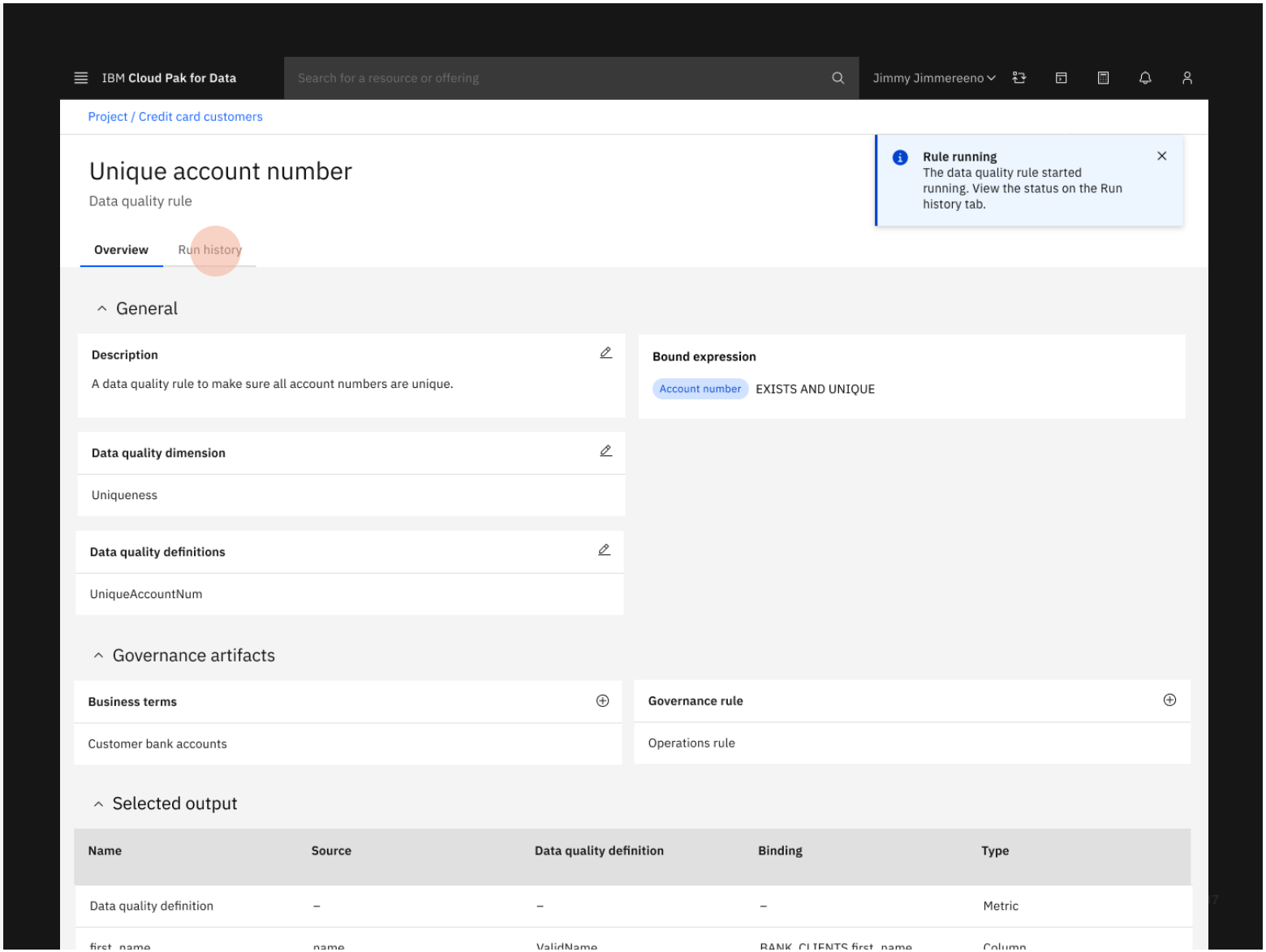


ANALYSE DATA

Example: Data quality rule

Check for this criteria:

Column **Account number** in data asset **“Customer_data”** to have only **unique values**.

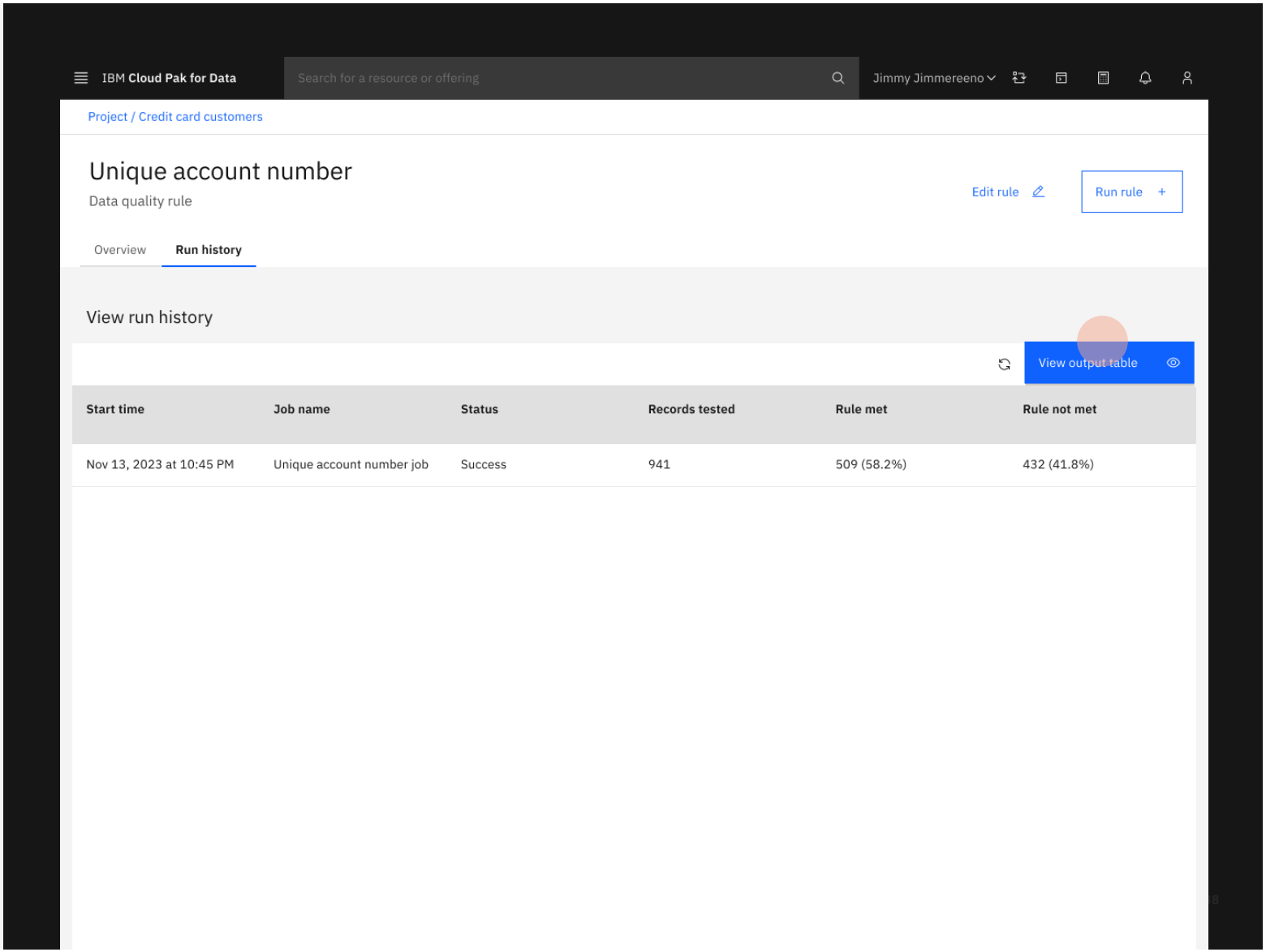


ANALYSE DATA

Example: Data quality rule

Check for this criteria:

Column **Account number** in data asset “**Customer_data**” to have only **unique values.**



ANALYSE DATA

Example:
Data quality rule

Check for this criteria:

Column **Account number** in data asset **“Customer_data”** to have only **unique values.**

IBM **Cloud Pak for Data**

Search for a resource or offering

Jimmy Jimmereeno

Project / Credit card customers

Output table of Unique account number

Records that do not meet rule conditions

Find records

View output table asset

Account number	UserID	Countryofoperation	System date
101579	21678	Australia	Mon 6 Sep 2019
101579	41234	Turkey	Mon 6 Sep 2019
101579	22345	Chile	Mon 6 Sep 2019
101579	12345	Republic of peru	Mon 6 Sep 2019
101579	90876	Egypt	Mon 6 Sep 2019
101579	21678	Australia	Mon 6 Sep 2019
101579	41234	Turkey	Mon 6 Sep 2019
101579	22345	Chile	Mon 6 Sep 2019
101579	12345	Republic of peru	Mon 6 Sep 2019
101579	90876	Egypt	Mon 6 Sep 2019
101579	21678	Australia	Mon 6 Sep 2019
101579	41234	Turkey	Mon 6 Sep 2019
101579	22345	Chile	Mon 6 Sep 2019
101579	12345	Republic of peru	Mon 6 Sep 2019
101579	90876	Egypt	Mon 6 Sep 2019
101579	21678	Australia	Mon 6 Sep 2019
101579	41234	Turkey	Mon 6 Sep 2019
101579	22345	Chile	Mon 6 Sep 2019
101579	12345	Republic of peru	Mon 6 Sep 2019
101579	90876	Egypt	Mon 6 Sep 2019
101579	90876	Egypt	Mon 6 Sep 2019
101579	21678	Australia	Mon 6 Sep 2019

Unified data quality approach as an automated process

UNDERSTAND DATA

Identify & classify critical data elements

Prepare governance artifacts and auto-assign business terms and classifications to data in Metadata enrichment.

ANALYSE DATA

Run data quality checks on data

Create and run source agnostic analysis to get data quality scores based on dimensions.

DEFINE QUALITY EXPECTATIONS

Data quality governance with SLA rules

Define thresholds as acceptable criteria and decide what automated action to take in case of violations.

ONGOING MONITORING

Monitor data quality & SLA compliance

Review data quality scores based on dimensions and SLA compliance. Investigate cause of issues and see failed records.

DEFINE DATA EXPECTATIONS

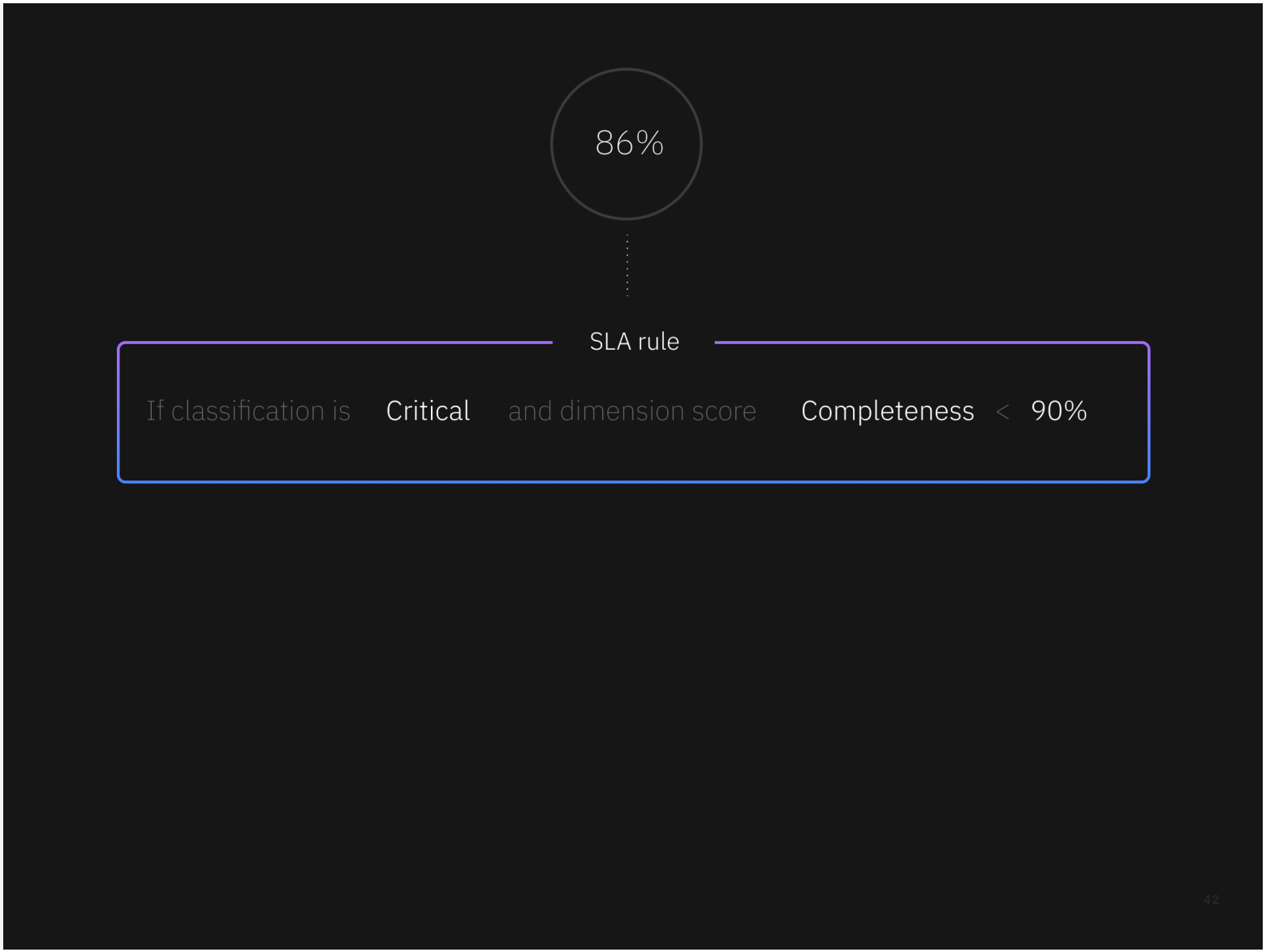
Data quality governance with SLA rules

Service Level Agreements are introduced to give meaningful and business-centric reflection of your data’s quality.

DEFINE DATA EXPECTATIONS

Data quality governance with SLA rules

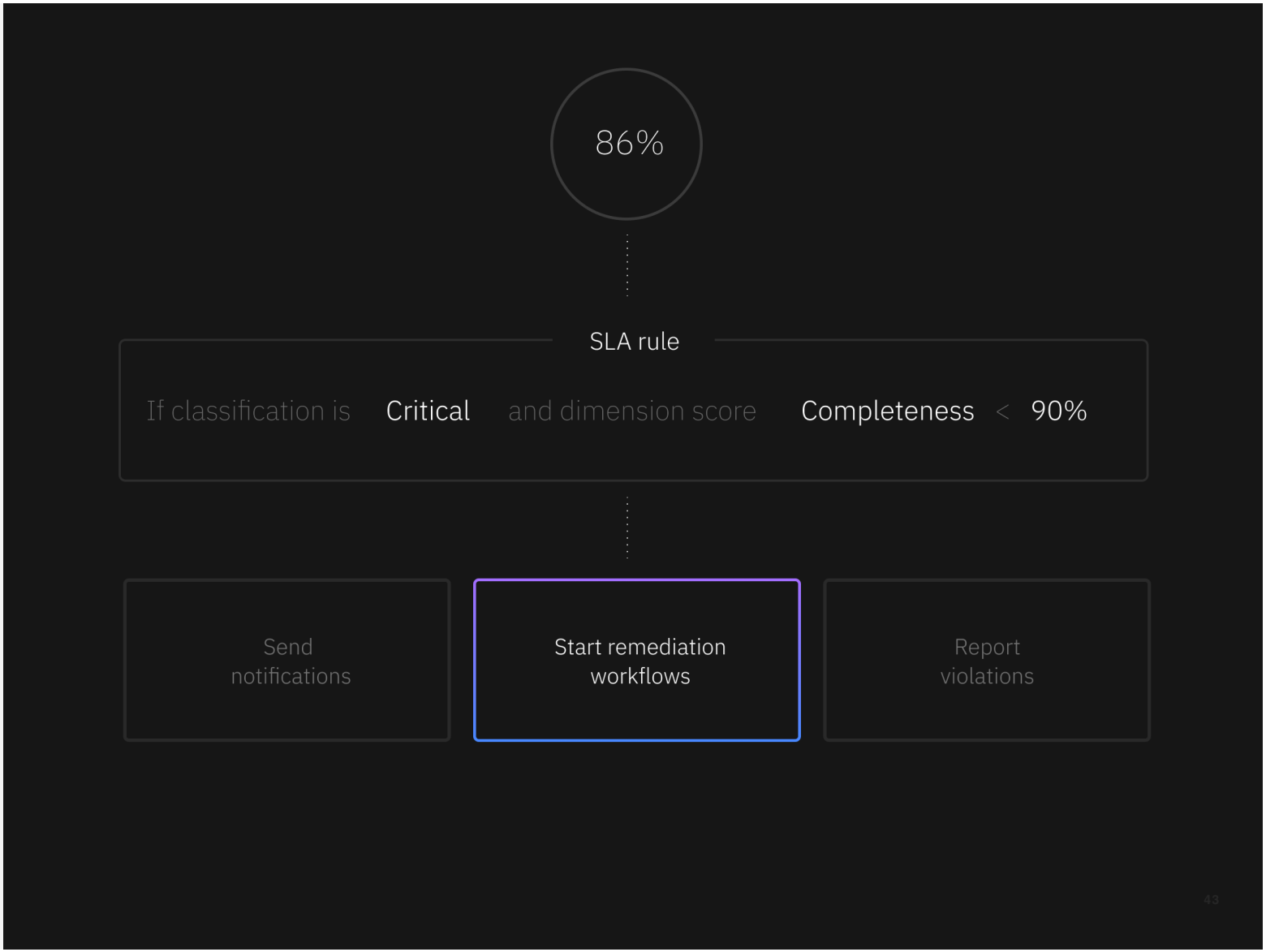
Service Level Agreements are introduced to give meaningful and business-centric reflection of your data's quality.



DEFINE DATA EXPECTATIONS

Automated actions on violations

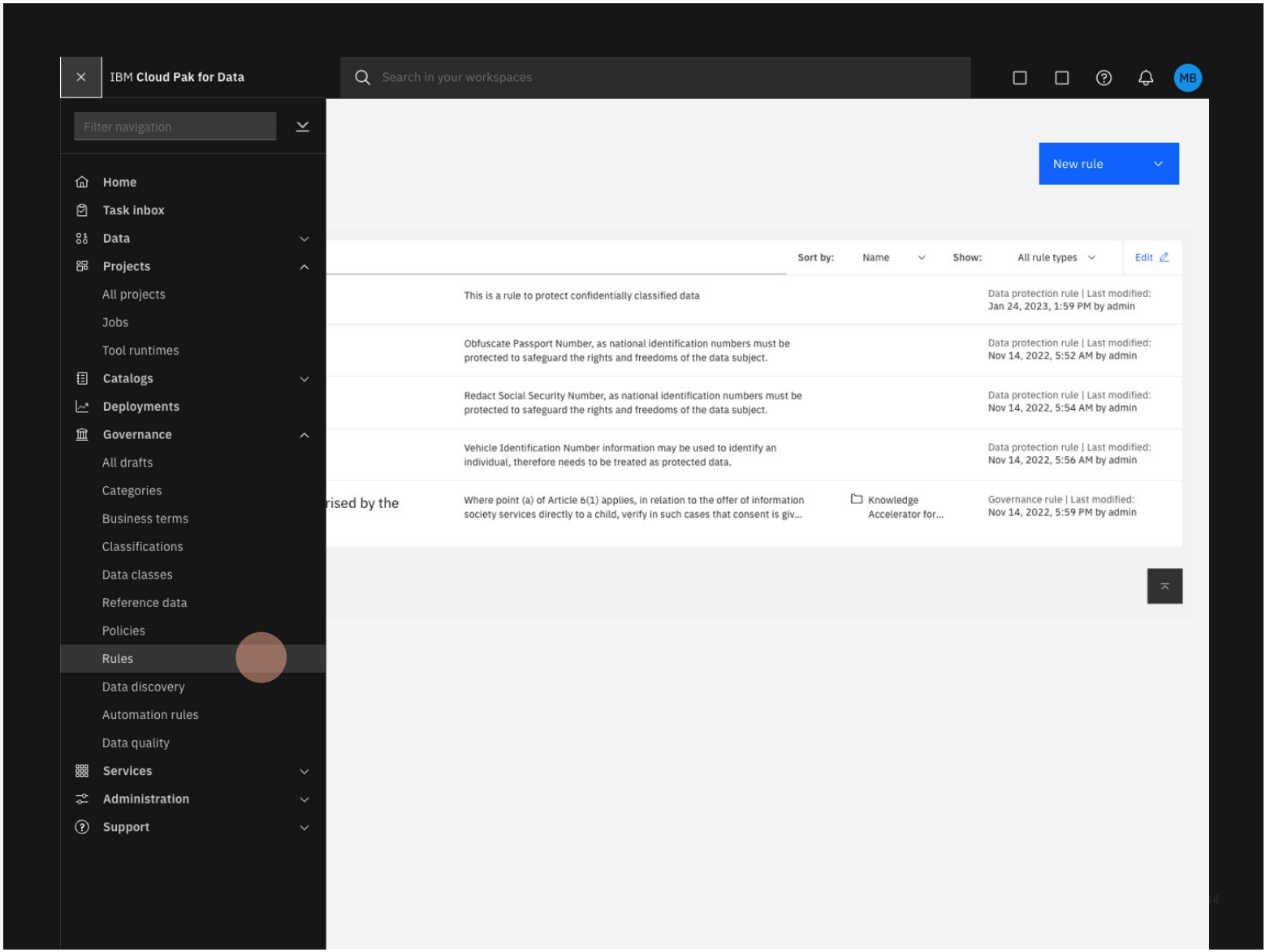
When SLA rule thresholds are trespassed, the system automatically triggers the best action to ensure data remains compliant with your regulatory expectations.



DEFINE DATA EXPECTATIONS

Data quality SLA rule example

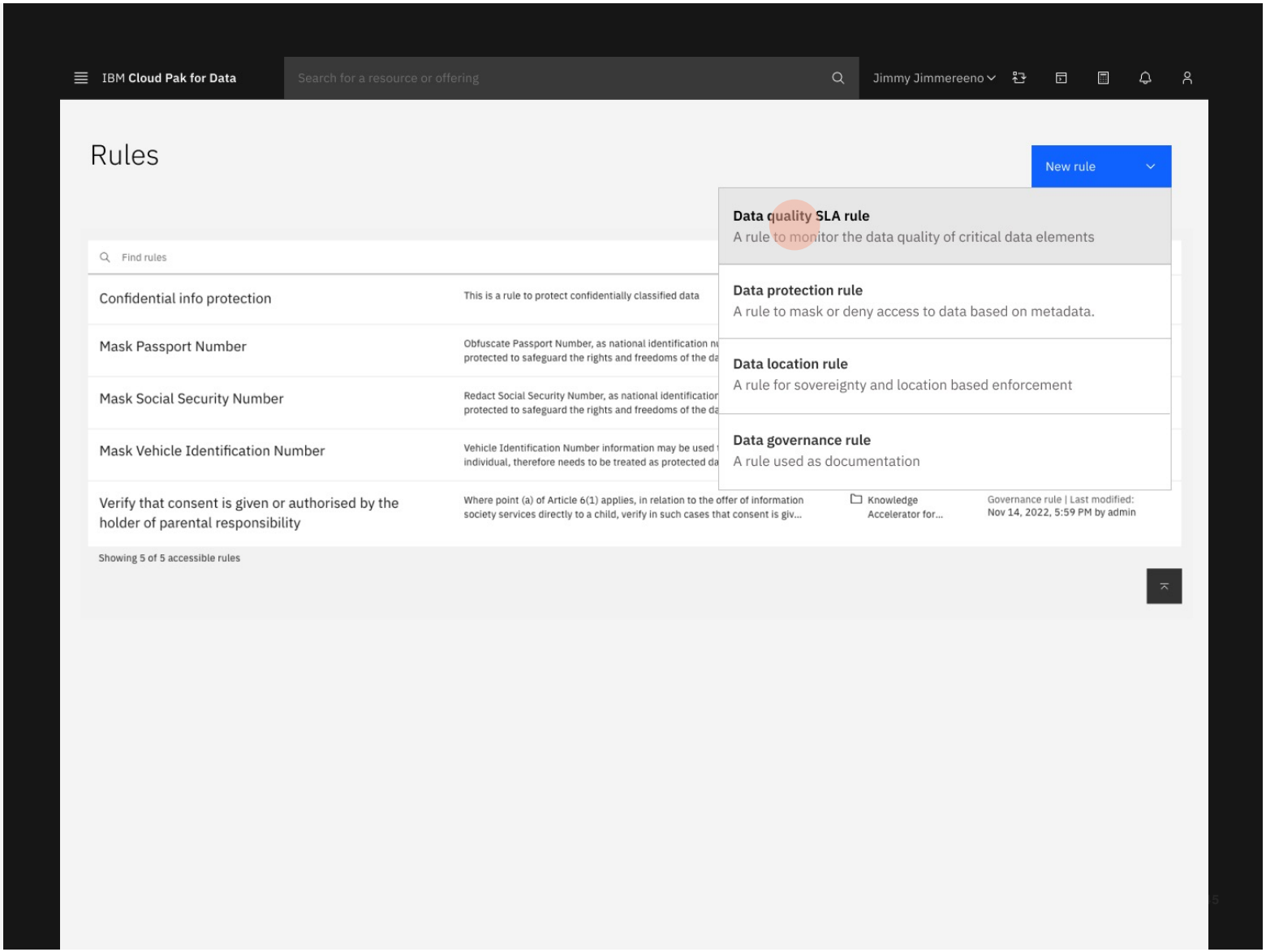
Service Level Agreements are introduced to give meaningful and business-centric reflection of your data's quality.



DEFINE DATA EXPECTATIONS

Data quality SLA rule example

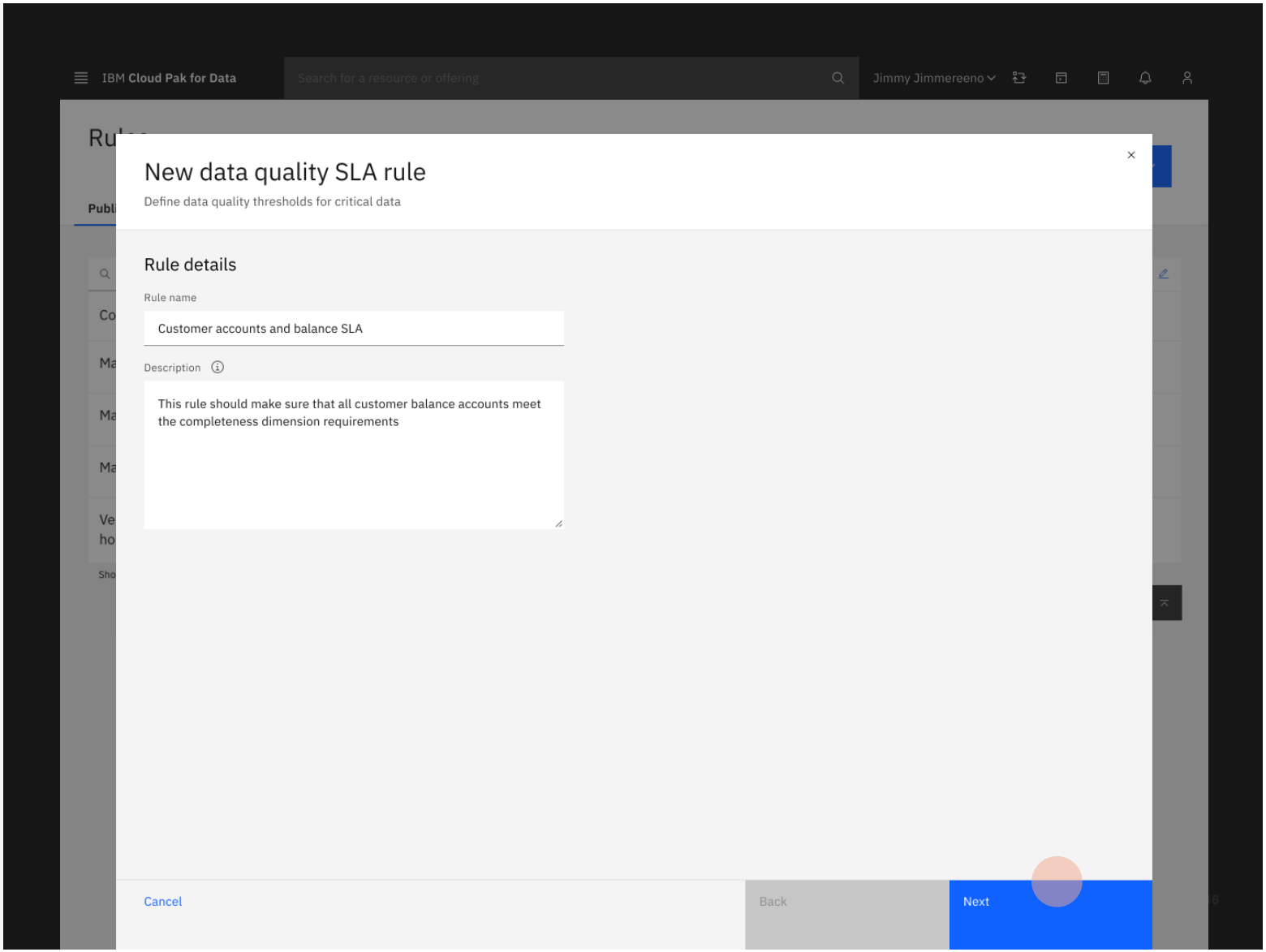
Service Level Agreements are introduced to give meaningful and business-centric reflection of your data's quality.



DEFINE DATA EXPECTATIONS

Data quality SLA rule example

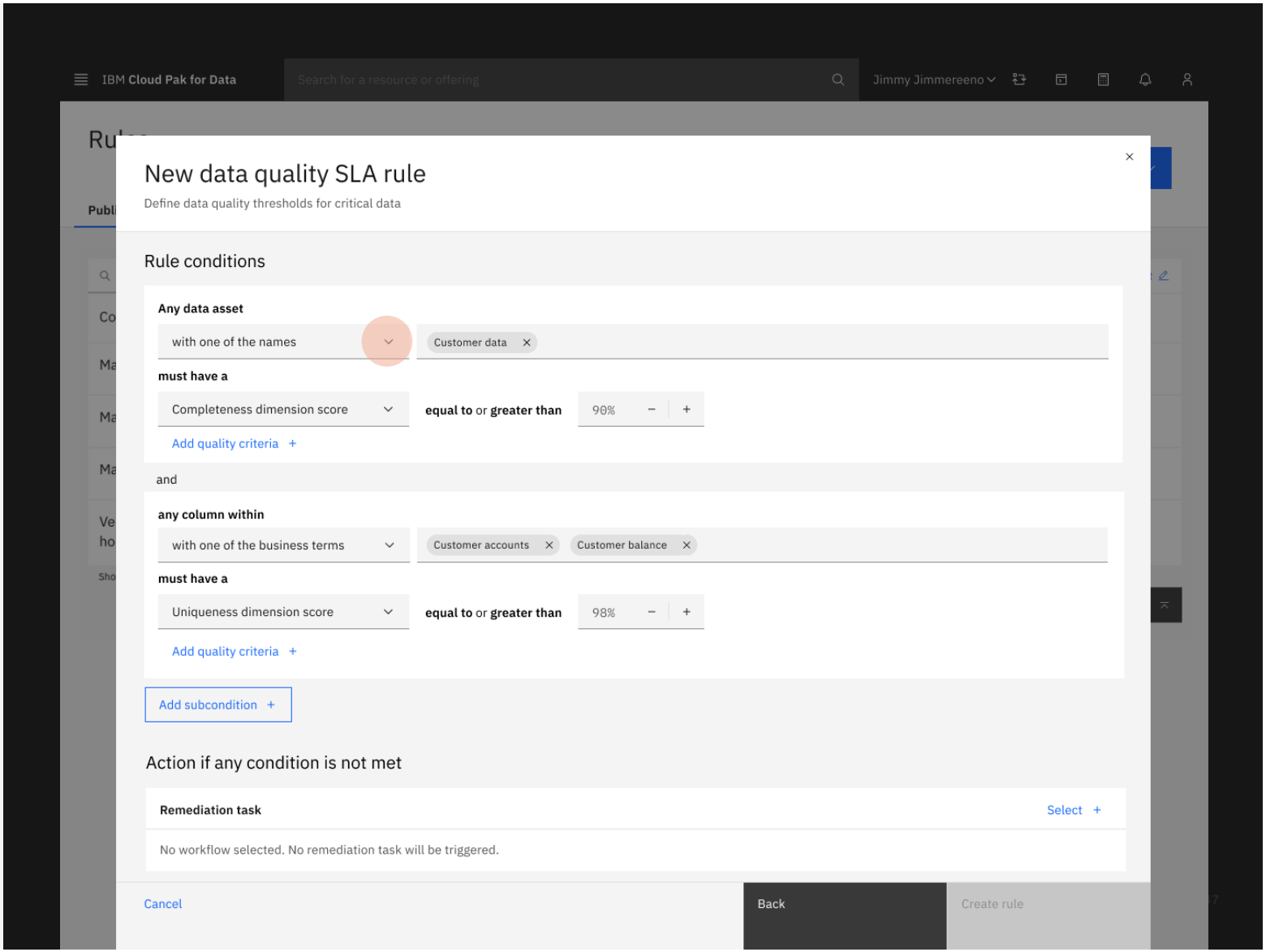
Service Level Agreements are introduced to give meaningful and business-centric reflection of your data's quality.



DEFINE DATA EXPECTATIONS

Data quality SLA rule example

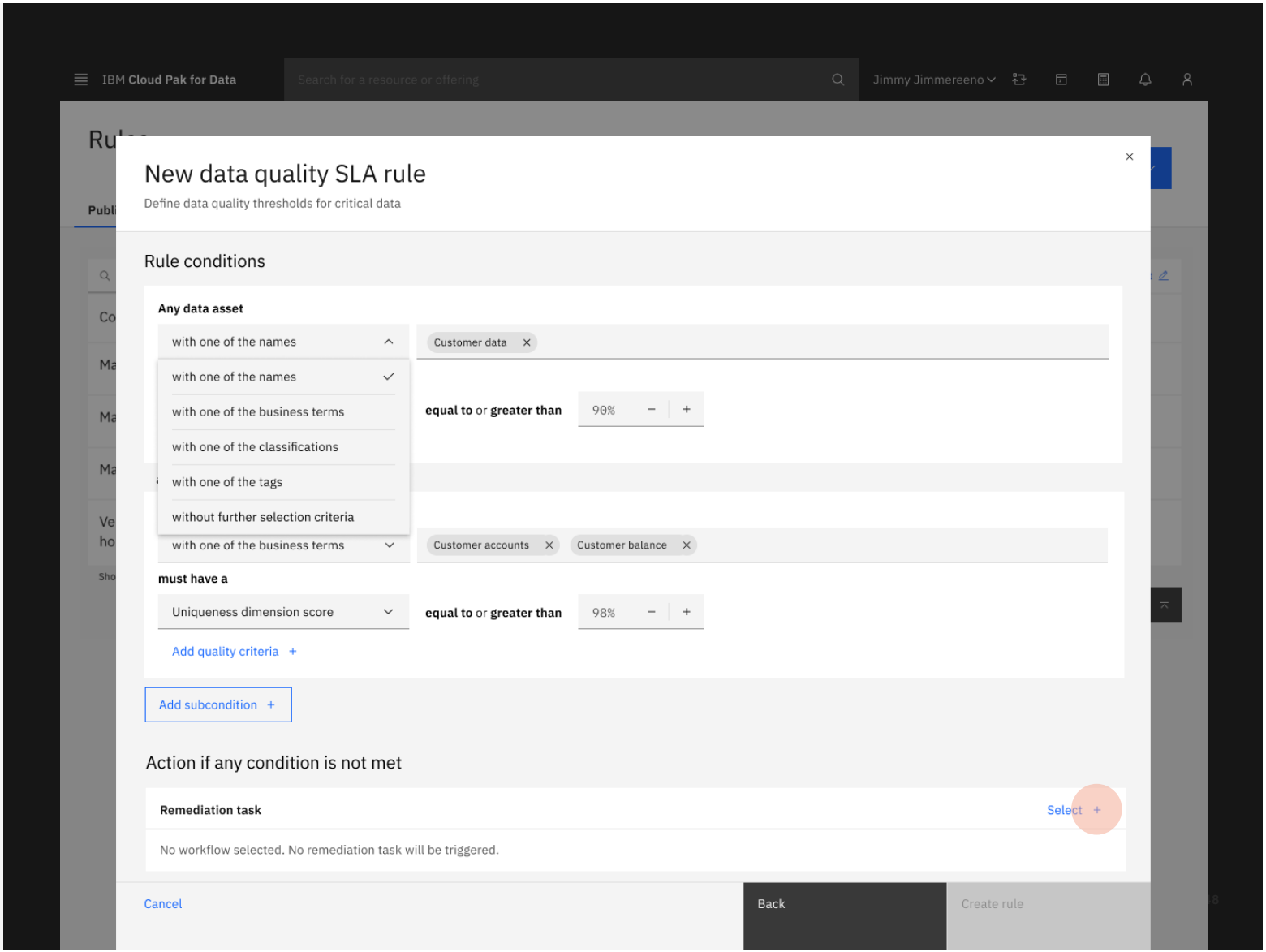
Service Level Agreements are introduced to give meaningful and business-centric reflection of your data's quality.



DEFINE DATA EXPECTATIONS

Data quality SLA rule example

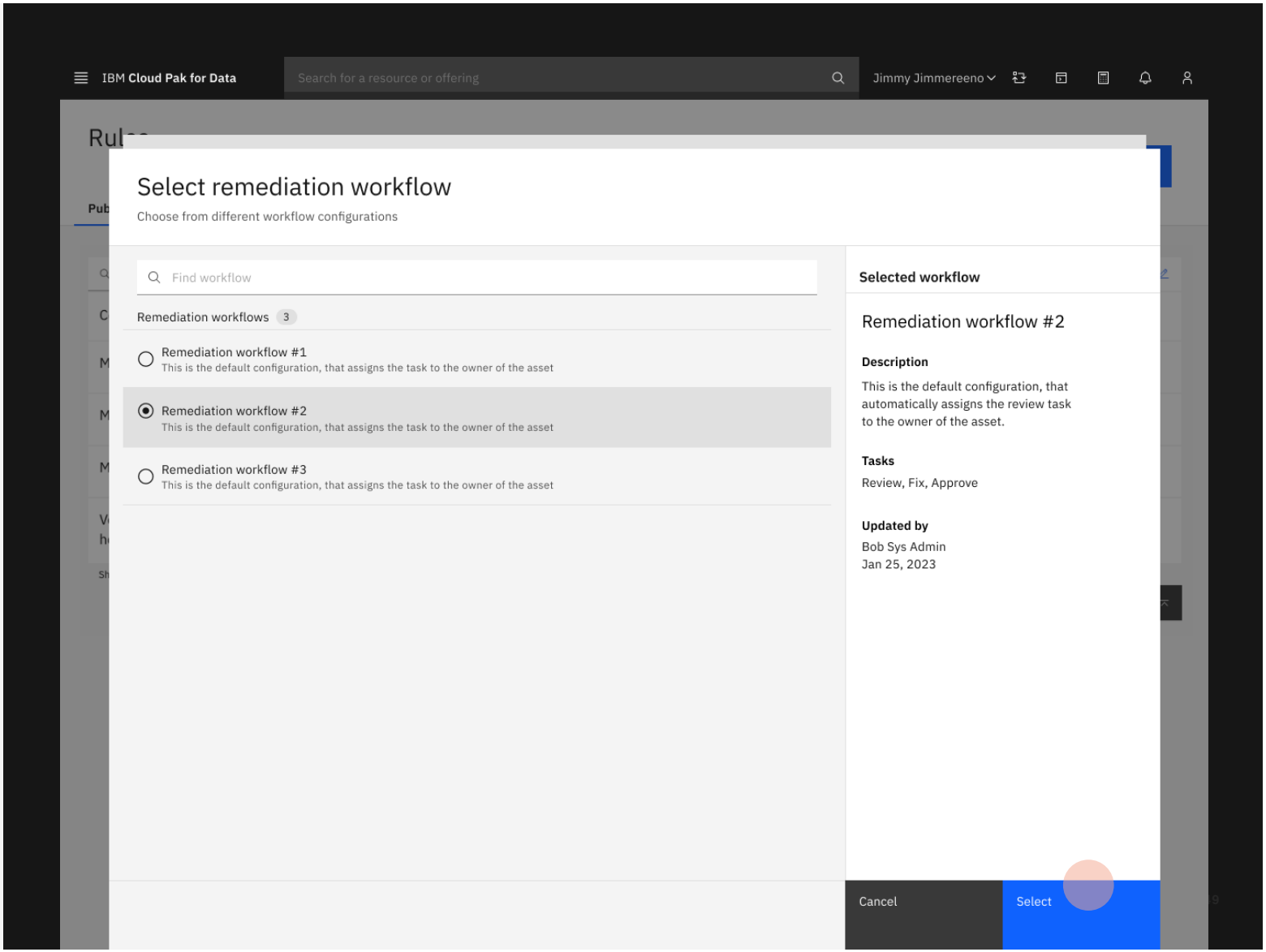
Service Level Agreements are introduced to give meaningful and business-centric reflection of your data's quality.



DEFINE DATA EXPECTATIONS

Data quality SLA rule example

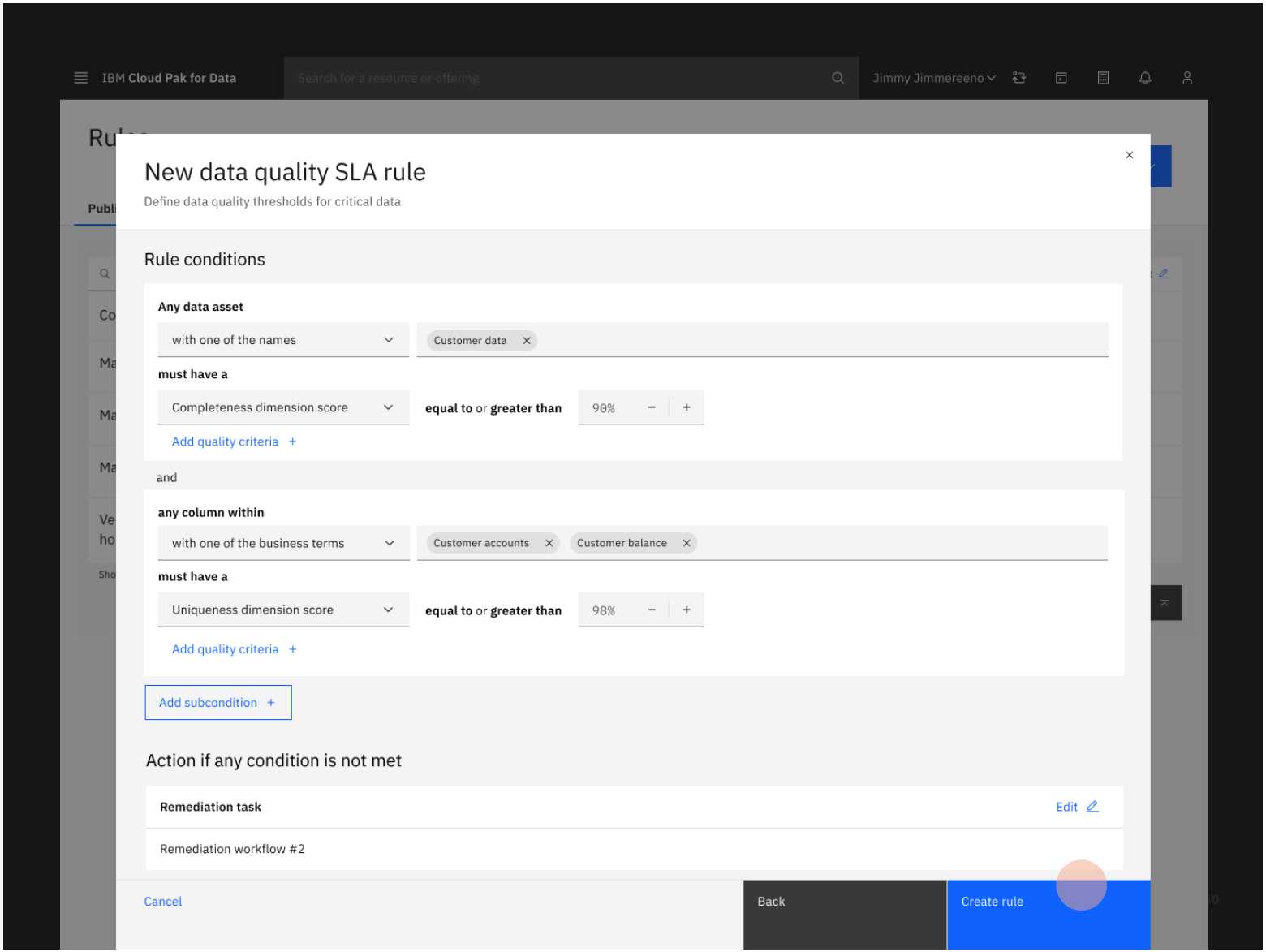
Service Level Agreements are introduced to give meaningful and business-centric reflection of your data's quality.



DEFINE DATA EXPECTATIONS

Data quality SLA rule example

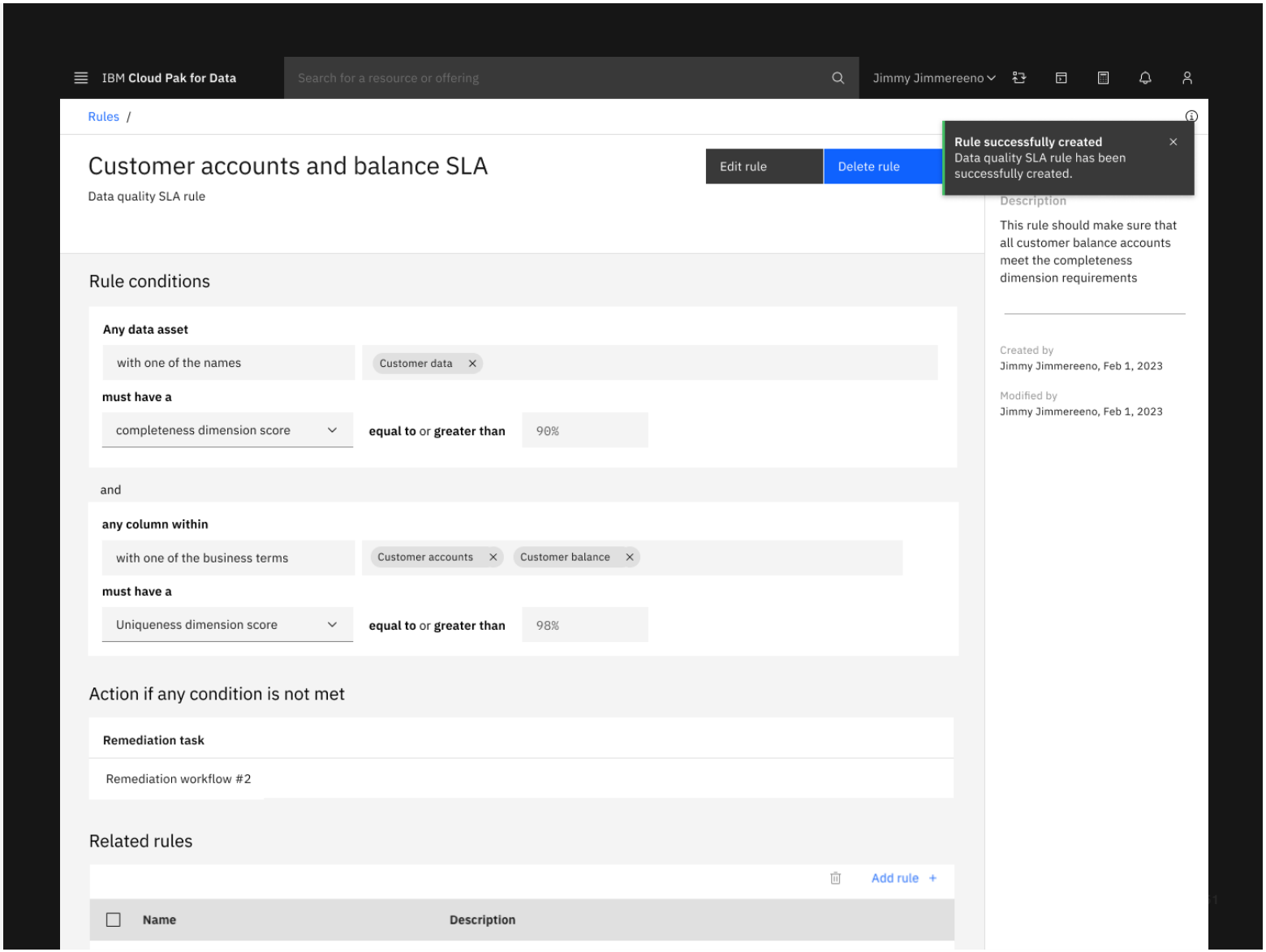
Service Level Agreements are introduced to give meaningful and business-centric reflection of your data's quality.



DEFINE DATA EXPECTATIONS

Data quality SLA rule example

Service Level Agreements are introduced to give meaningful and business-centric reflection of your data's quality.



Unified data quality approach as an automated process

UNDERSTAND DATA

Identify & classify critical data elements

Prepare governance artifacts and auto-assign business terms and classifications to data in Metadata enrichment.

ANALYSE DATA

Run data quality checks on data

Create and run source agnostic analysis to get data quality scores based on dimensions.

DEFINE QUALITY EXPECTATIONS

Data quality governance with SLA rules

Define thresholds as acceptable criteria and decide what automated action to take in case of violations.

ONGOING MONITORING

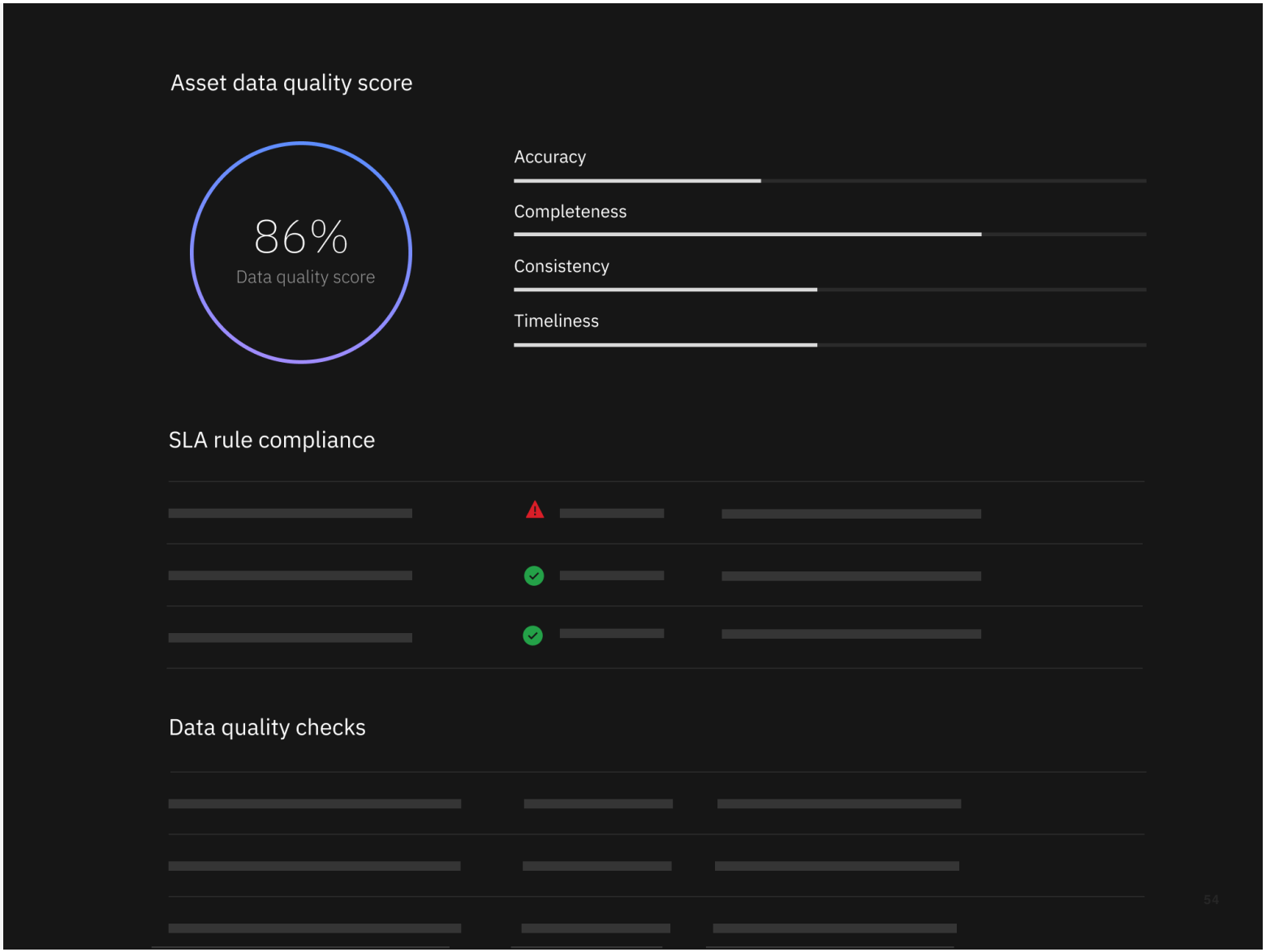
Monitor data quality & SLA compliance

Understand data quality and review SLA compliance. Investigate issues. Subscribe to data quality events.

ONGOING MONITORING

Monitoring data quality on asset level

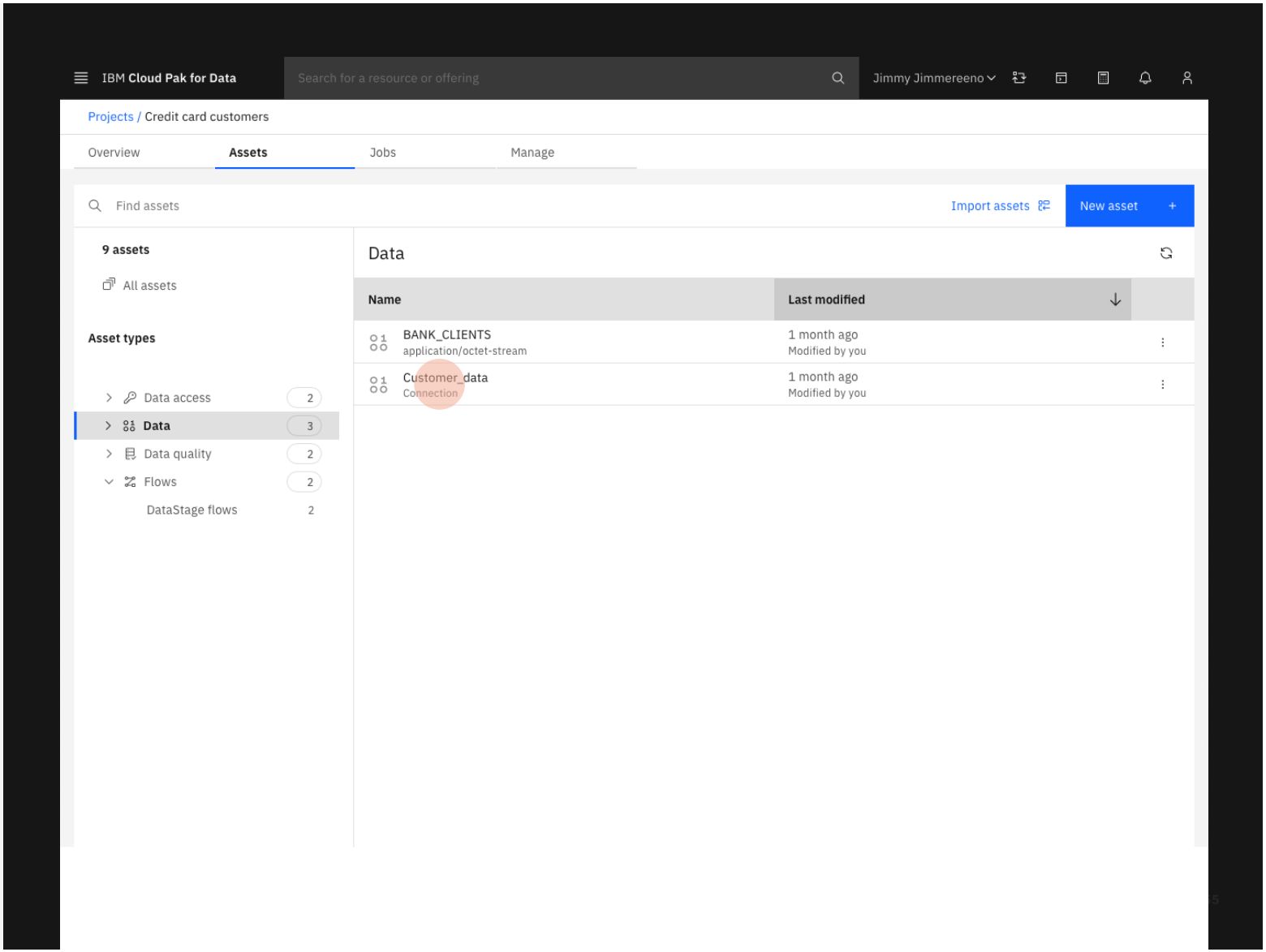
Unified data quality monitoring for data providers and consumers on data asset level in projects and catalogs.



ONGOING MONITORING

Monitoring data quality on asset level

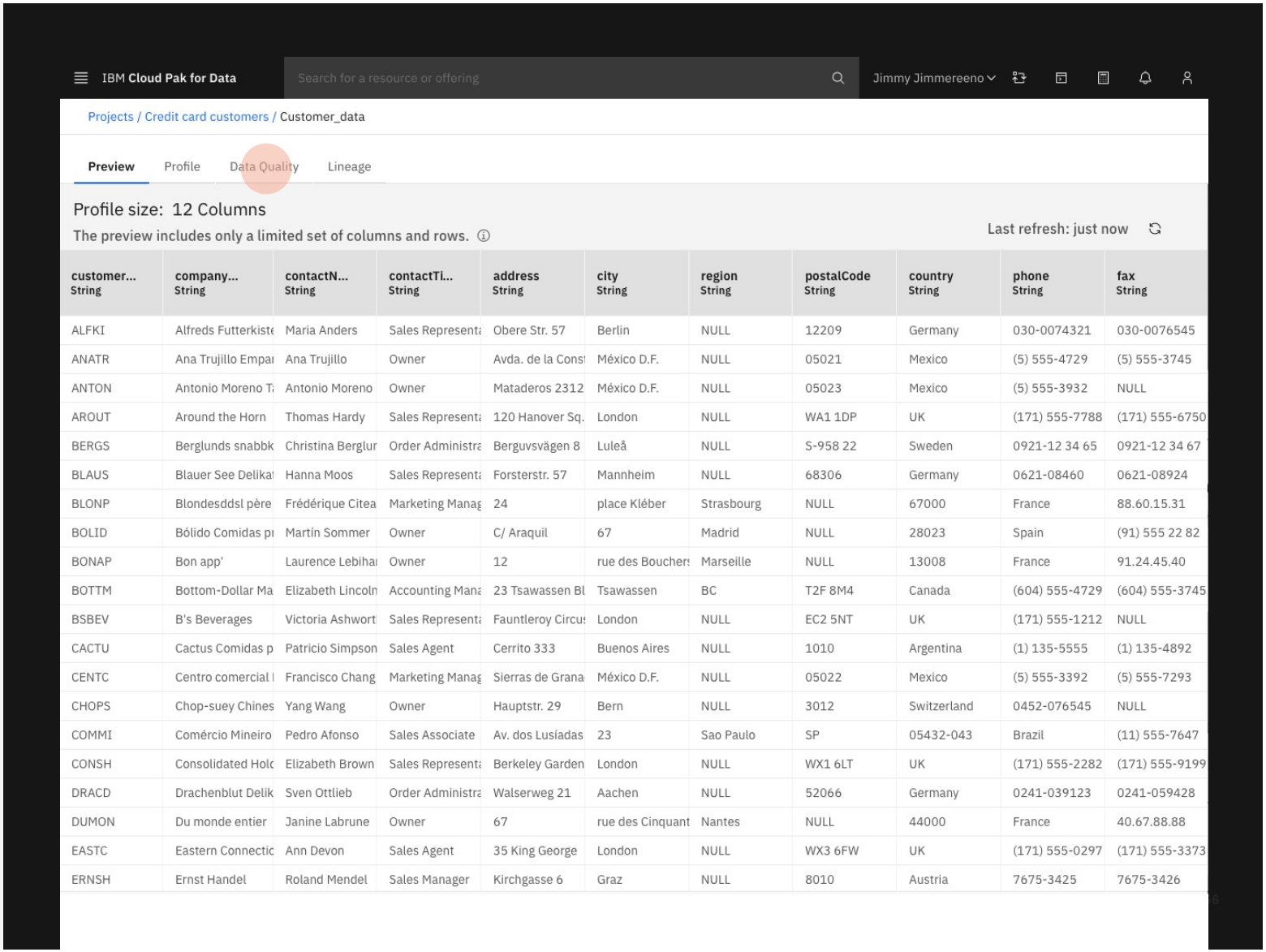
Located on asset level in a project in this example



ONGOING MONITORING

Monitoring data quality on asset level

Data quality exists on a separate dedicated tab

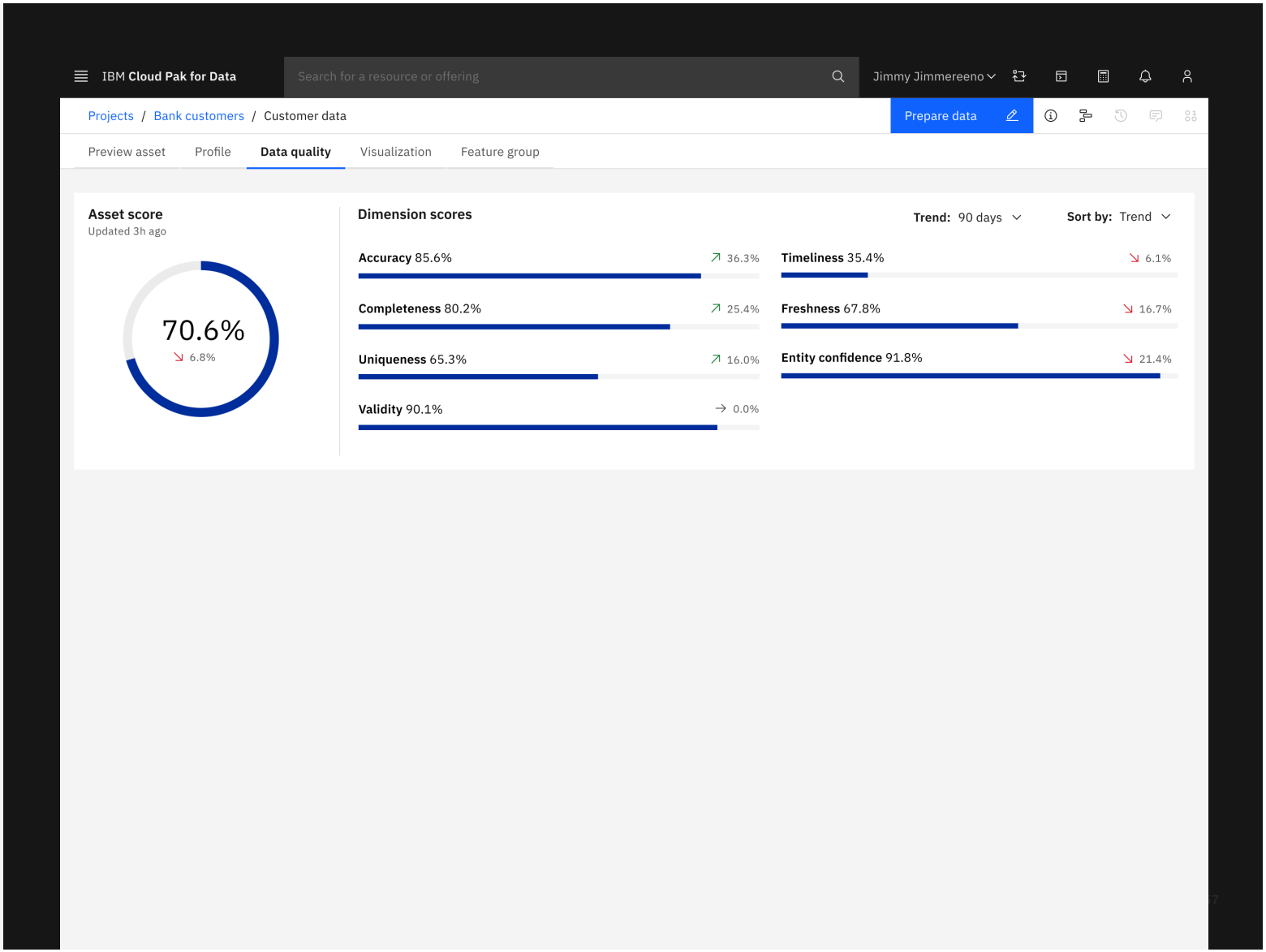


customer... String	company... String	contactN... String	contactTi... String	address String	city String	region String	postalCode String	country String	phone String	fax String
ALFKI	Alfreds Futterkiste	Maria Anders	Sales Representa	Obere Str. 57	Berlin	NULL	12209	Germany	030-0074321	030-0076545
ANATR	Ana Trujillo Empar	Ana Trujillo	Owner	Avda. de la Const	México D.F.	NULL	05021	Mexico	(5) 555-4729	(5) 555-3745
ANTON	Antonio Moreno Ta	Antonio Moreno	Owner	Mataderos 2312	México D.F.	NULL	05023	Mexico	(5) 555-3932	NULL
AROUT	Around the Horn	Thomas Hardy	Sales Representa	120 Hanover Sq.	London	NULL	WA1 1DP	UK	(171) 555-7788	(171) 555-6750
BERGS	Berglunds snabbk	Christina Berglur	Order Administra	Berguvsvägen 8	Luleå	NULL	S-958 22	Sweden	0921-12 34 65	0921-12 34 67
BLAUS	Blauer See Delikat	Hanna Moos	Sales Representa	Forsterstr. 57	Mannheim	NULL	68306	Germany	0621-08460	0621-08924
BLONP	Blondesddsl père	Frédérique Citea	Marketing Manag	24	place Kléber	Strasbourg	NULL	67000	France	88.60.15.31
BOLID	Bólido Comidas pr	Martín Sommer	Owner	C/ Araquil	67	Madrid	NULL	28023	Spain	(91) 555 22 82
BONAP	Bon app'	Laurence Lebihar	Owner	12	rue des Bouchers	Marseille	NULL	13008	France	91.24.45.40
BOTTM	Bottom-Dollar Ma	Elizabeth Lincoln	Accounting Mana	23 Tsawassen Bl	Tsawassen	BC	T2F 8M4	Canada	(604) 555-4729	(604) 555-3745
BSBEV	B's Beverages	Victoria Ashwort	Sales Representa	Fauntleroy Circus	London	NULL	EC2 5NT	UK	(171) 555-1212	NULL
CACTU	Cactus Comidas p	Patricio Simpson	Sales Agent	Cerrito 333	Buenos Aires	NULL	1010	Argentina	(1) 135-5555	(1) 135-4892
CENTC	Centro comercial I	Francisco Chang	Marketing Manag	Sierras de Grana	México D.F.	NULL	05022	Mexico	(5) 555-3392	(5) 555-7293
CHOPS	Chop-suey Chines	Yang Wang	Owner	Hauptstr. 29	Bern	NULL	3012	Switzerland	0452-076545	NULL
COMMI	Comércio Mineiro	Pedro Afonso	Sales Associate	Av. dos Lusíadas	23	Sao Paulo	SP	05432-043	Brazil	(11) 555-7647
CONSH	Consolidated Holc	Elizabeth Brown	Sales Representa	Berkeley Garden	London	NULL	WX1 6LT	UK	(171) 555-2282	(171) 555-9199
DRACD	Drachenblut Delik	Sven Ottlieb	Order Administra	Walserweg 21	Aachen	NULL	52066	Germany	0241-039123	0241-059428
DUMON	Du monde entier	Janine Labrune	Owner	67	rue des Cinquant	Nantes	NULL	44000	France	40.67.88.88
EASTC	Eastern Connectic	Ann Devon	Sales Agent	35 King George	London	NULL	WX3 6FW	UK	(171) 555-0297	(171) 555-3373
ERNSH	Ernst Handel	Roland Mendel	Sales Manager	Kirchgasse 6	Graz	NULL	8010	Austria	7675-3425	7675-3426

ONGOING MONITORING

Monitoring data quality on asset level

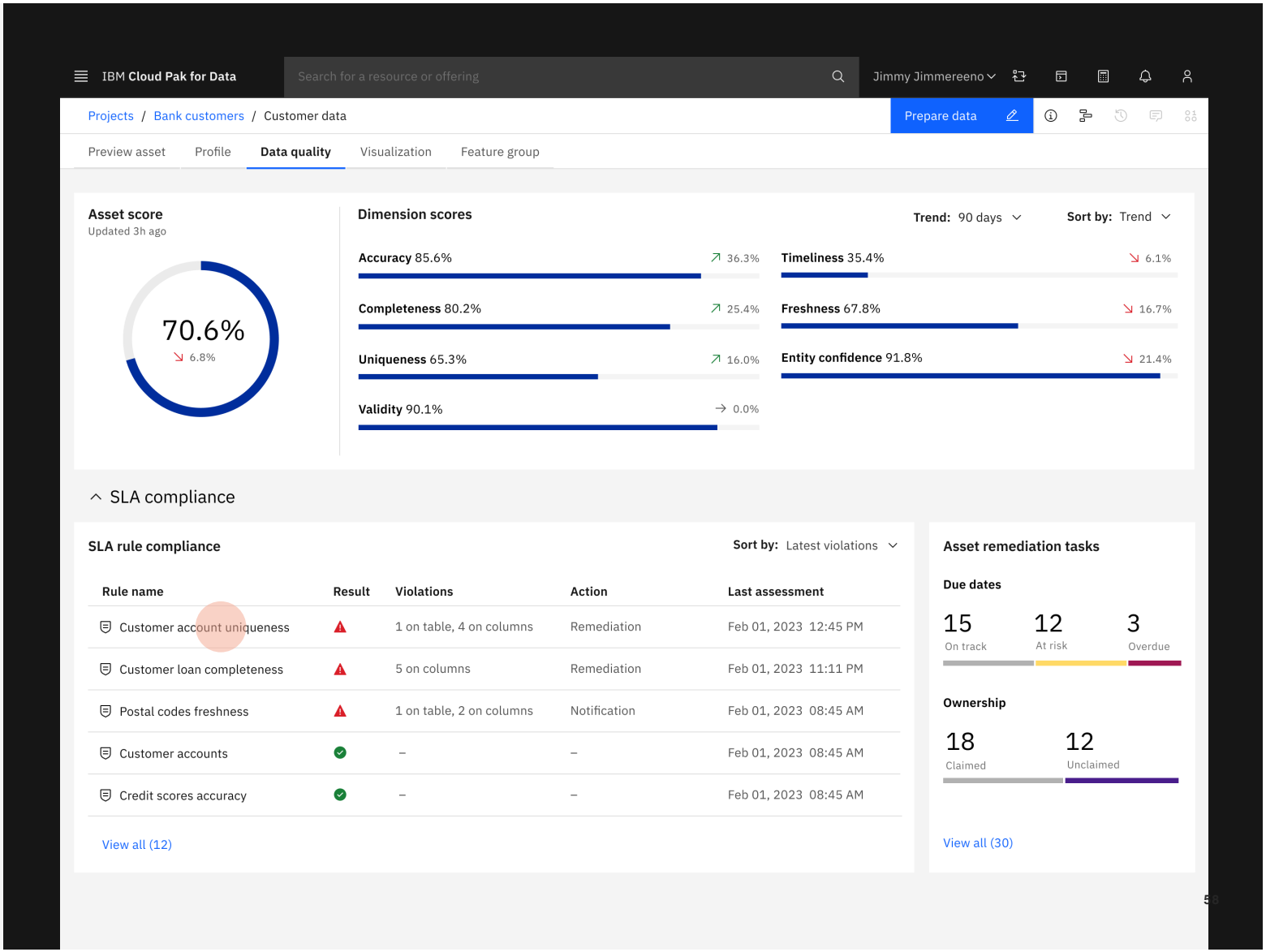
Data users can identify data quality metrics and trends from the centralized data quality tab found directly inside the data asset.



ONGOING MONITORING

Monitoring data quality on asset level

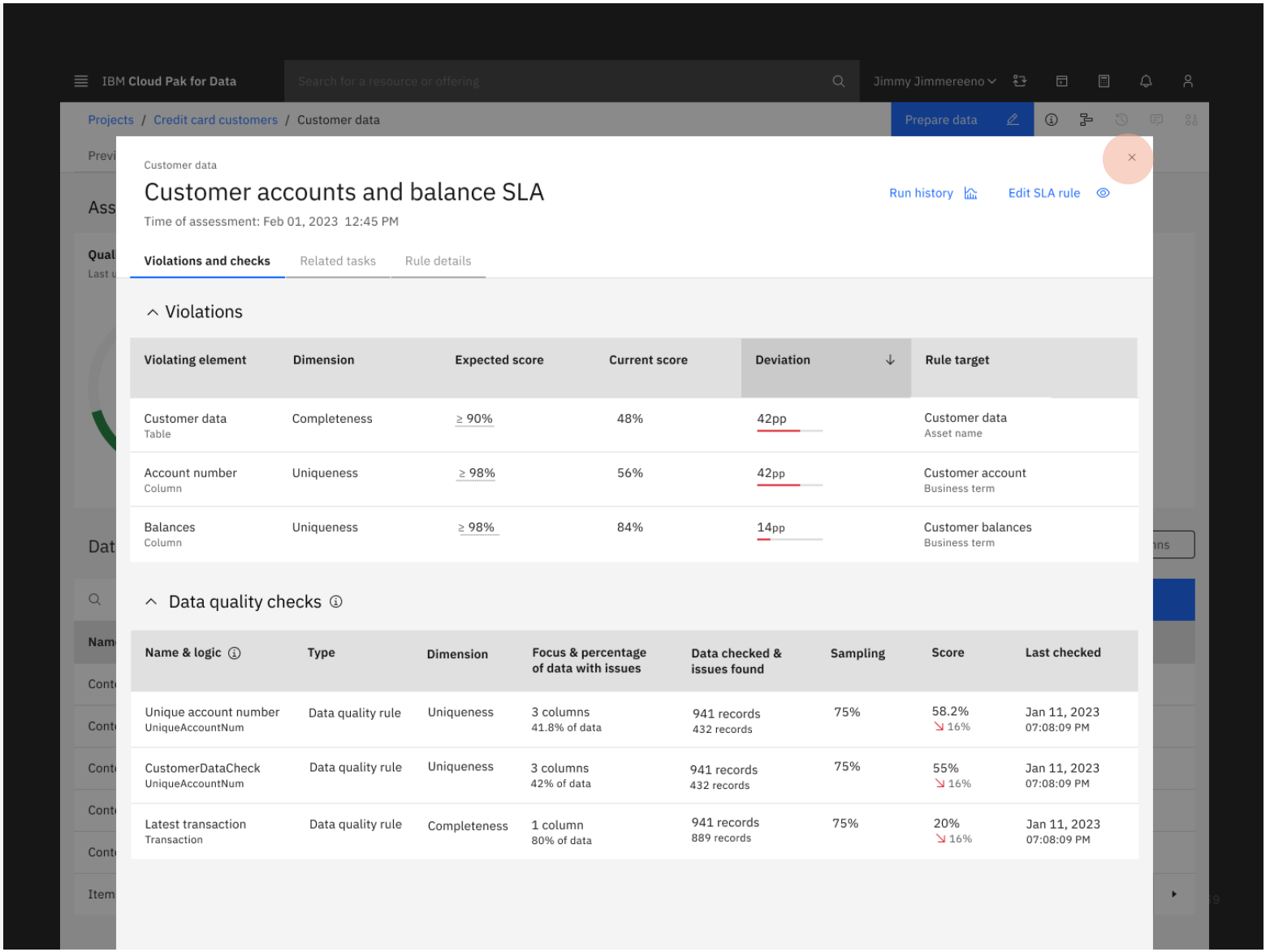
They can also view the status of SLA compliance and corresponding remediation tasks.



ONGOING MONITORING

Monitoring data quality on asset level

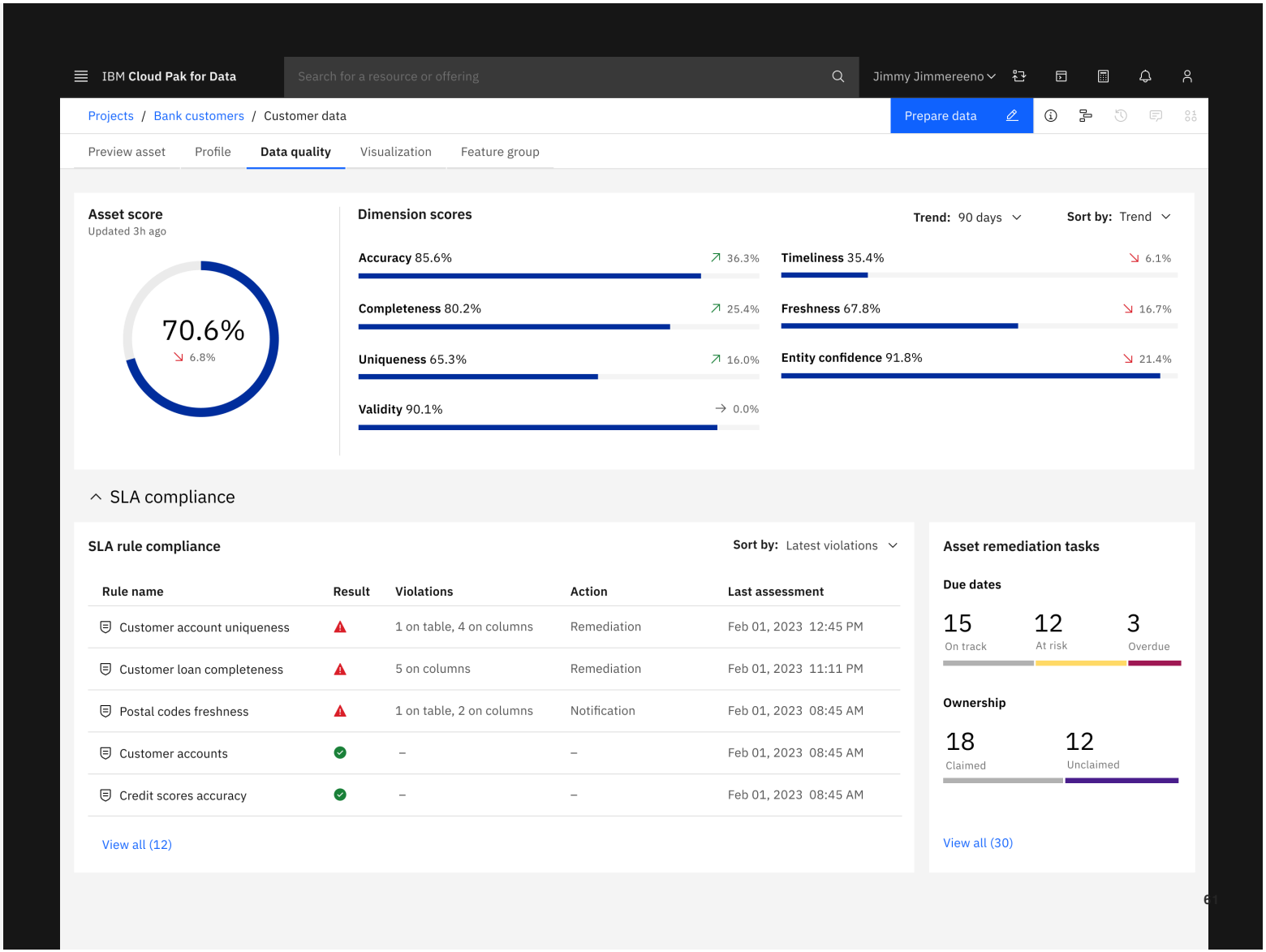
Users can learn how to prevent future violations by investigating the violation details and severity, as well as the rule details and expectations.



ONGOING MONITORING

Monitoring data quality on asset level

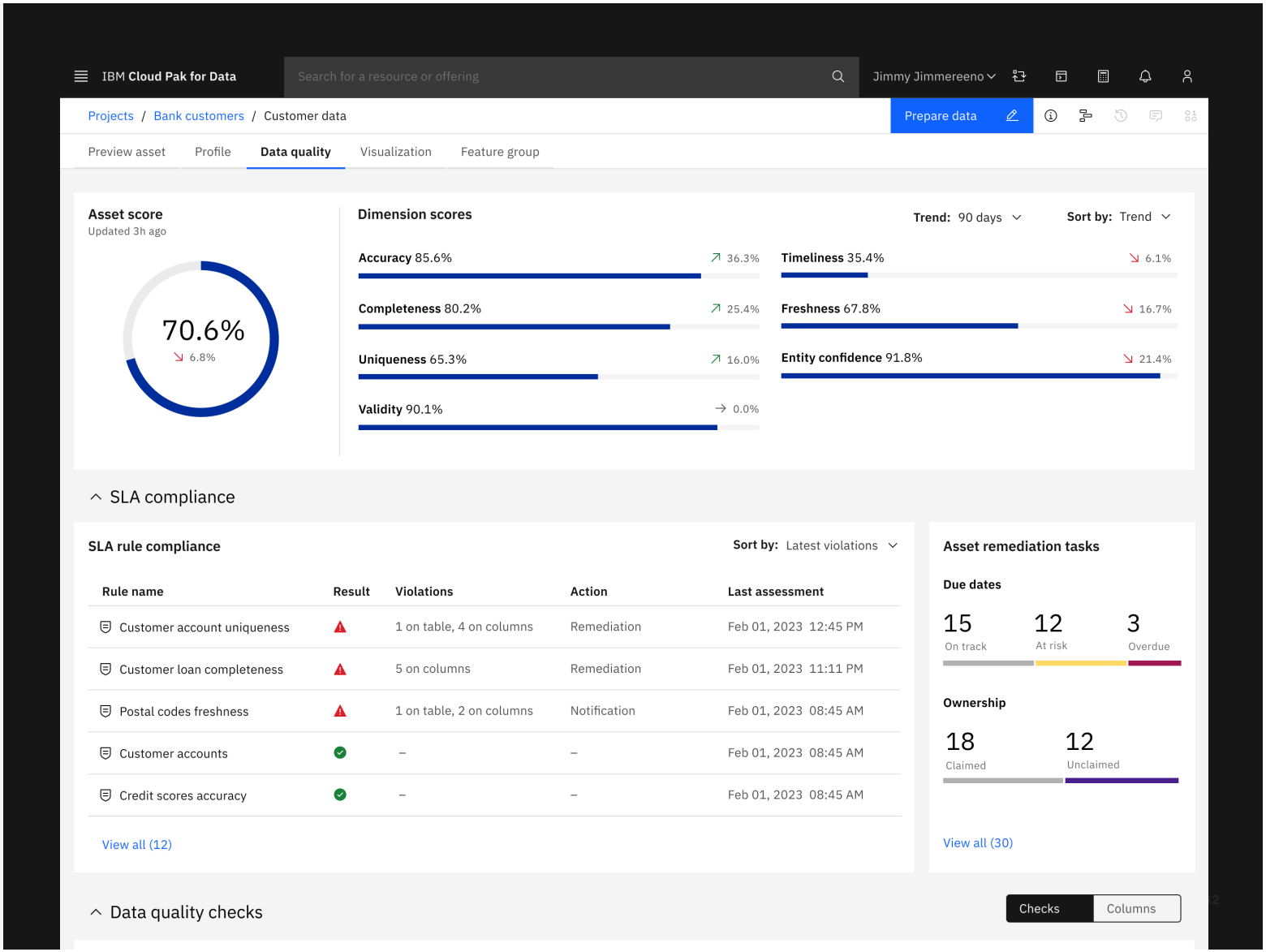
They can also view a list of all existing platform wide active data quality checks analysing this asset.



ONGOING MONITORING

Monitoring data quality on asset level

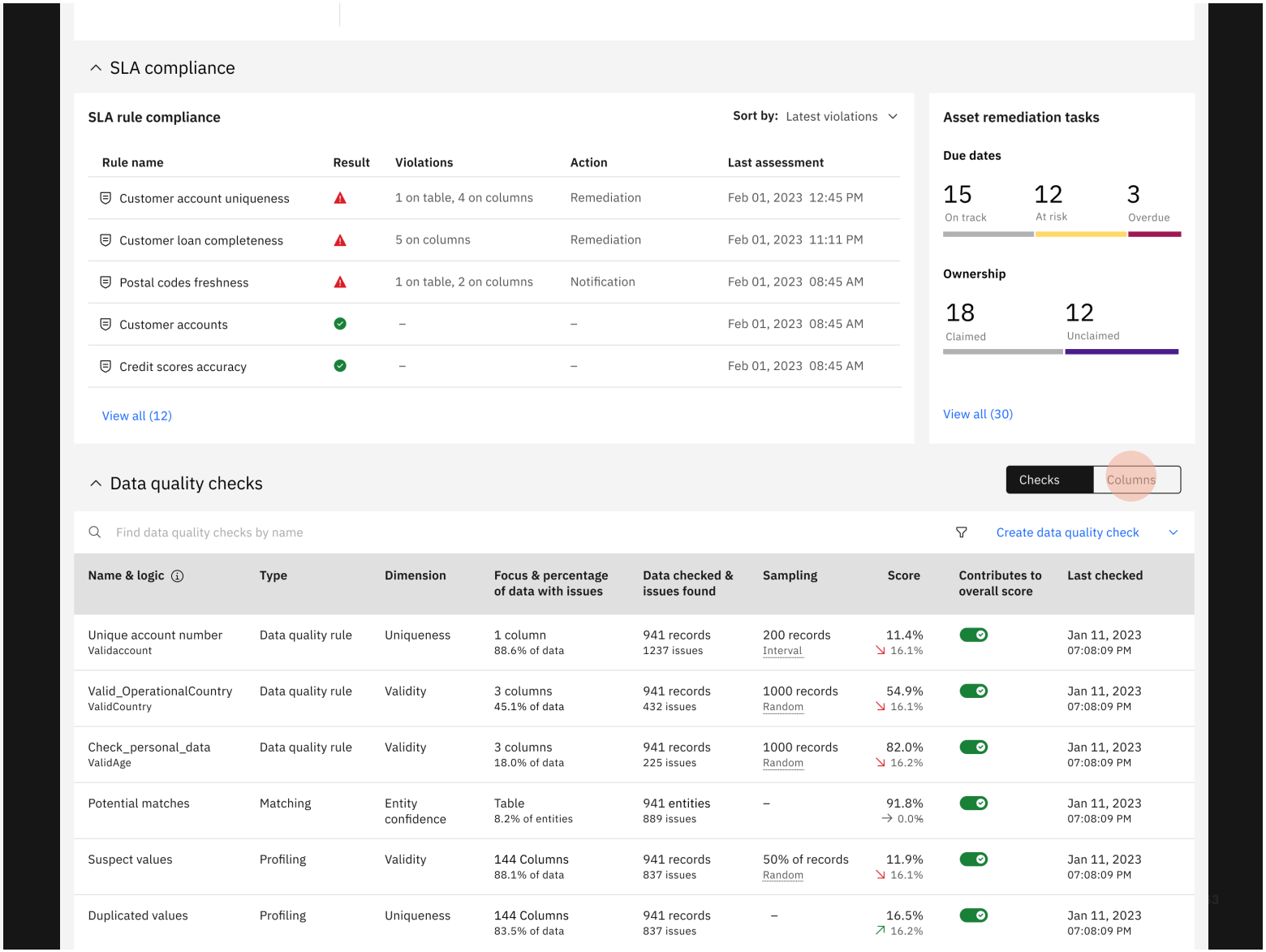
They can also view a list of all existing platform wide active data quality checks analysing this asset.



ONGOING MONITORING

Monitoring data quality on asset level

They can also view a list of all existing platform wide active data quality checks analysing this asset.



SLA compliance

SLA rule compliance

Sort by: Latest violations

Rule name	Result	Violations	Action	Last assessment
Customer account uniqueness	⚠	1 on table, 4 on columns	Remediation	Feb 01, 2023 12:45 PM
Customer loan completeness	⚠	5 on columns	Remediation	Feb 01, 2023 11:11 PM
Postal codes freshness	⚠	1 on table, 2 on columns	Notification	Feb 01, 2023 08:45 AM
Customer accounts	✓	–	–	Feb 01, 2023 08:45 AM
Credit scores accuracy	✓	–	–	Feb 01, 2023 08:45 AM

View all (12)

Asset remediation tasks

Due dates

15	12	3
On track	At risk	Overdue

Ownership

18	12
Claimed	Unclaimed

View all (30)

Data quality checks

Checks | Columns

Find data quality checks by name

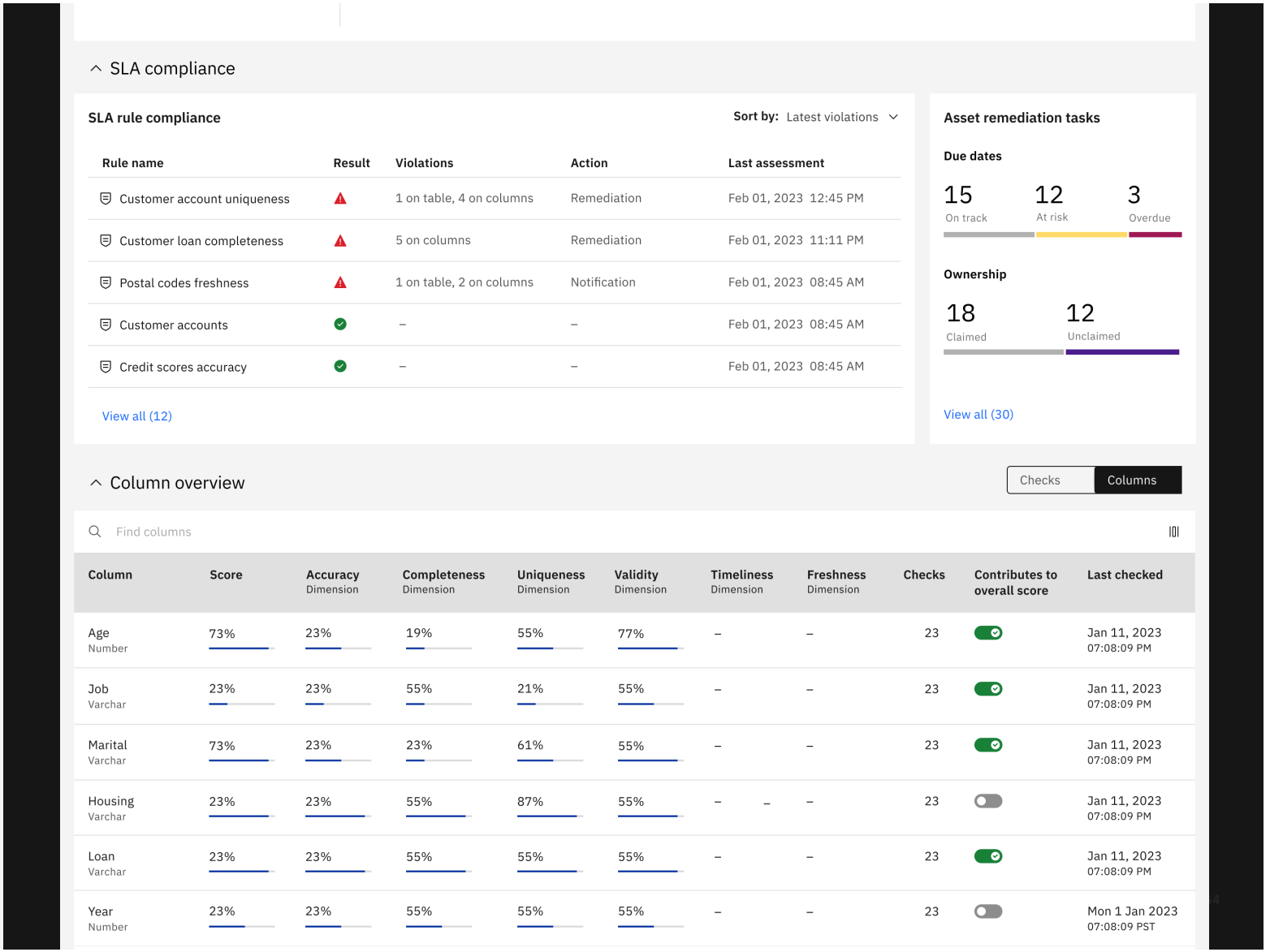
Create data quality check

Name & logic	Type	Dimension	Focus & percentage of data with issues	Data checked & issues found	Sampling	Score	Contributes to overall score	Last checked
Unique account number Validaccount	Data quality rule	Uniqueness	1 column 88.6% of data	941 records 1237 issues	200 records Interval	11.4% ↘ 16.1%	✓	Jan 11, 2023 07:08:09 PM
Valid_OperationalCountry ValidCountry	Data quality rule	Validity	3 columns 45.1% of data	941 records 432 issues	1000 records Random	54.9% ↘ 16.1%	✓	Jan 11, 2023 07:08:09 PM
Check_personal_data ValidAge	Data quality rule	Validity	3 columns 18.0% of data	941 records 225 issues	1000 records Random	82.0% ↘ 16.2%	✓	Jan 11, 2023 07:08:09 PM
Potential matches	Matching	Entity confidence	Table 8.2% of entities	941 entities 889 issues	–	91.8% → 0.0%	✓	Jan 11, 2023 07:08:09 PM
Suspect values	Profiling	Validity	144 Columns 88.1% of data	941 records 837 issues	50% of records Random	11.9% ↘ 16.1%	✓	Jan 11, 2023 07:08:09 PM
Duplicated values	Profiling	Uniqueness	144 Columns 83.5% of data	941 records 837 issues	–	16.5% ↗ 16.2%	✓	Jan 11, 2023 07:08:09 PM

ONGOING MONITORING

Monitoring data quality on asset level

Or switch to a column overview where all columns are displayed with an overall score and a breakdown on data quality dimensions.



SLA compliance

SLA rule compliance

Sort by: Latest violations

Rule name	Result	Violations	Action	Last assessment
Customer account uniqueness	⚠	1 on table, 4 on columns	Remediation	Feb 01, 2023 12:45 PM
Customer loan completeness	⚠	5 on columns	Remediation	Feb 01, 2023 11:11 PM
Postal codes freshness	⚠	1 on table, 2 on columns	Notification	Feb 01, 2023 08:45 AM
Customer accounts	✓	–	–	Feb 01, 2023 08:45 AM
Credit scores accuracy	✓	–	–	Feb 01, 2023 08:45 AM

View all (12)

Asset remediation tasks

Due dates

On track	At risk	Overdue
15	12	3

Ownership

Claimed	Unclaimed
18	12

View all (30)

Column overview

Checks | Columns

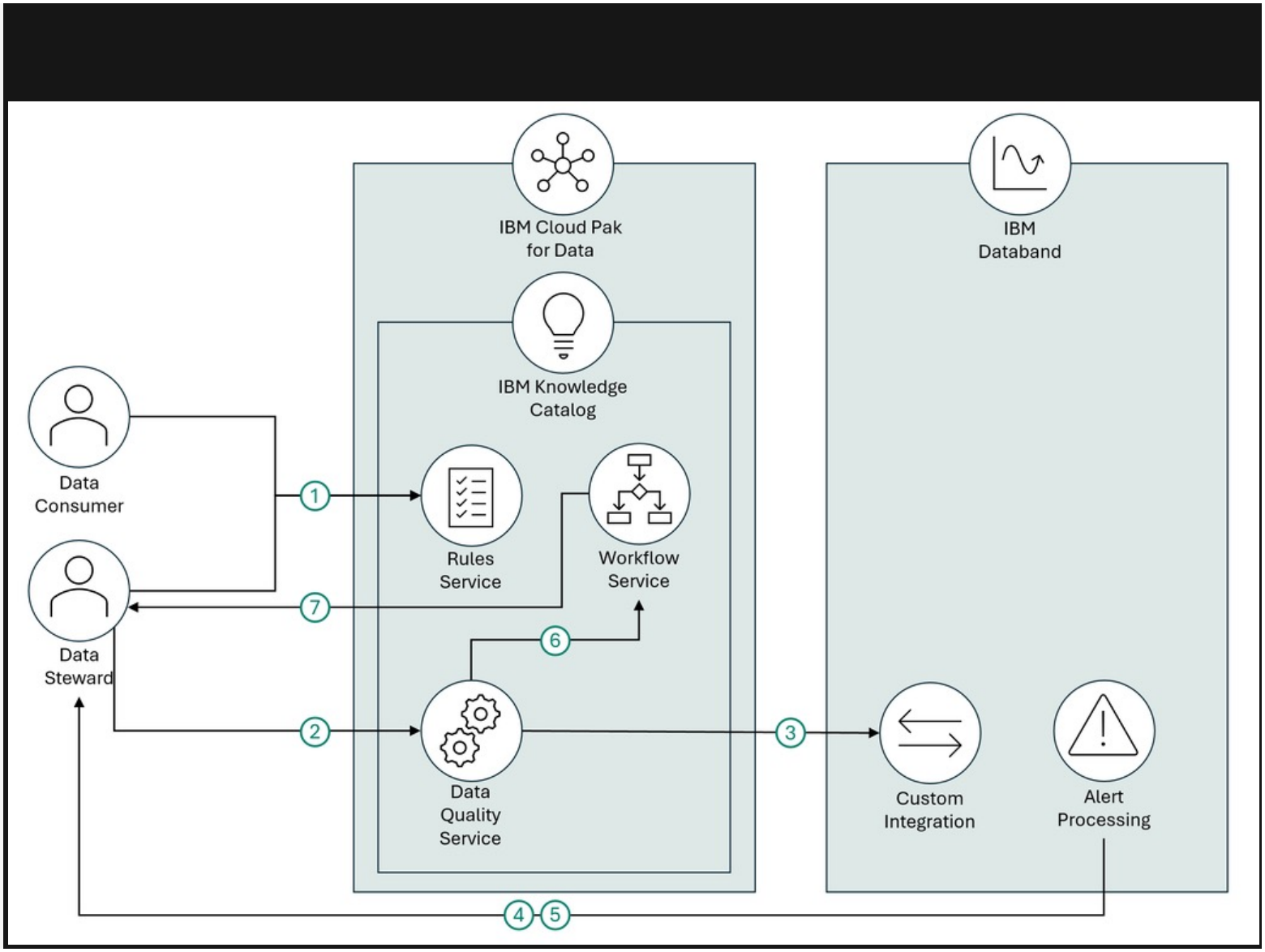
Find columns

Column	Score	Accuracy Dimension	Completeness Dimension	Uniqueness Dimension	Validity Dimension	Timeliness Dimension	Freshness Dimension	Checks	Contributes to overall score	Last checked
Age Number	73%	23%	19%	55%	77%	–	–	23	on	Jan 11, 2023 07:08:09 PM
Job Varchar	23%	23%	55%	21%	55%	–	–	23	on	Jan 11, 2023 07:08:09 PM
Marital Varchar	73%	23%	23%	61%	55%	–	–	23	on	Jan 11, 2023 07:08:09 PM
Housing Varchar	23%	23%	55%	87%	55%	–	–	23	off	Jan 11, 2023 07:08:09 PM
Loan Varchar	23%	23%	55%	55%	55%	–	–	23	on	Jan 11, 2023 07:08:09 PM
Year Number	23%	23%	55%	55%	55%	–	–	23	off	Mon 1 Jan 2023 07:08:09 PST

ONGOING MONITORING

Monitoring data quality pipeline using IBM Databand

1. Data Steward and Data Consumer create agreed data quality service level agreements (DQSLAs)
2. Data Steward schedules automated data quality process
3. Each data quality process run for an asset is reported and appears as a pipeline run in IBM Databand
4. For each pipeline run, a critical upstream failure (unexpected decrease of contributing data quality scores over time) triggers a proactive notification (slack or email) of the responsible data stewards for remediation
5. For each pipeline, a run frequency anomaly triggers a notification (slack or email) of the responsible data steward
6. If the asset violates the DQSLA, a reactive workflow is triggered
7. The data steward will see tasks created by the workflow in the task inbox



Unified data quality approach as an automated process

UNDERSTAND DATA

Identify & classify critical data elements

Prepare governance artifacts and auto-assign business terms and classifications to data in Metadata enrichment.

ANALYSE DATA

Run data quality checks on data

Create and run source agnostic analysis to get data quality scores based on dimensions.

DEFINE QUALITY EXPECTATIONS

Data quality governance with SLA rules

Define thresholds as acceptable criteria and decide what automated action to take in case of violations.

ONGOING MONITORING

Monitor data quality & SLA compliance

Review data quality scores based on dimensions and SLA compliance.
Investigate cause of issues and see failed records.

Thank you

Your questions ...

If you like to learn more about our solutions, we'd be happy to connect with you via email or phone, just let us know via this form

Link: https://www.ibm.com/account/reg/us-en-signup?formid=urx-32526