

A new approach to verifying SAP data integrity

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Agenda

- 1. Today's data integrity landscape
- 2. Solving top SAP data integrity challenges
- 3. A new approach for verifying SAP data integrity
- 4. Use case: The Mercedes Benz story





TRICENTIS VIRTUAL SUMMIT

Delivering software innovation at DevOps speed

Oct 12 Americas Oct 13 EMEA Oct 14
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We are **Tricentis**.

The global leader in Continuous Test Automation

Gartner

FORRESTER®



Named leader in industry analyst vendor ratings

2,100+

customers

Installed base world-wide

200,000+

certified

Tricentis test automation engineers















Strategic Alliances & Partnerships

SAP's choice for faster, safer, lower cost releases.

10X faster testing

Accelerate release cycles

Turbocharge your SAP innovation with the test automation platform that helps you make weekly (even daily) releases a reality.

90% risk reduction

Improve software quality

Protect your business processes with Al-powered risk analysis that enables zero defect releases and eliminates the need for hypercare.

50% lower costs

Reduce costs with automation

Use the platform that is Aldriven and codeless, shrinking testing costs by as much as 50% or more through reduced test volume and automation of manual tasks.

Deliver quality at speed with Tricentis

It's all here.

Tricentis Continuous Testing Platform

Supports 160+ enterprise applications and technologies

Change Impact Analysis

Smart impact analysis

SAP

Enterprise Continuous Testing

Intelligent test automation

SAP

Enterprise Performance Testing

Enterprise performance

SAP

Enterprise Data Integrity Testing

End-to-end data testing

SAP **Solution Manager**

SAP ALM & test management

Tricentis

qTest

Cloud-based unified test management



Fully automated



AI powered



Completely codeless



Cloud enabled



Risk optimized



Enterprise DevOps



Open and extensible

What we **provide**

Deliver higher quality software faster with the Tricentis Continuous Testing Platform

Tricentis Continuous Testing Platform

Supports 160+ enterprise applications and technologies

LiveCompare

Smart impact analysis

Tricentis
Tosca

Intelligent test automation

Tricentis

Test Automation

App-native testing

Tricentis

NeoLoad

Enterprise performance

Tricent

Data Integrity

End-to-end data testing

Tricentis qTest

Unified test management

Tricentis

Analytics

Real-time insights & reporting



Fully automated



Al powered



Completely codeless



Cloud enabled



Risk optimized



Enterprise DevOps



Open and extensible





Business value roadmap



Continuous maturity assessment



Continuous testing framework



Tricentis Academy

Today's data integrity landscape



To win in the digital economy you must deliver

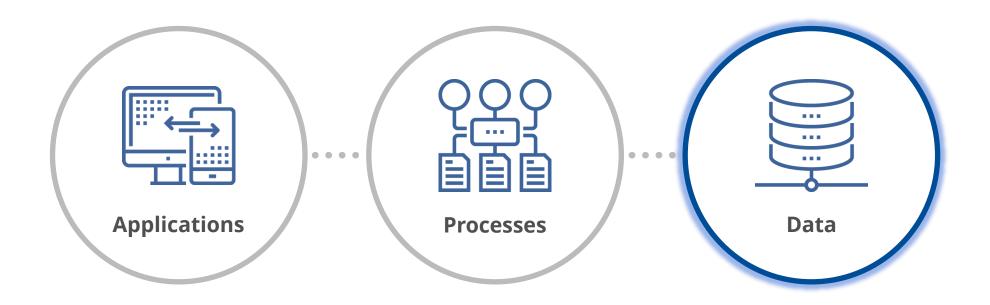


And that's never been more challenging.....



And that means

you must deliver both quality at speed across all your...



...everywhere in your organization

Today's data integrity landscape: Key stats



Data confidence is low: Only 35% of enterprise executives have a high level of trust in the way their organization uses data and analytics



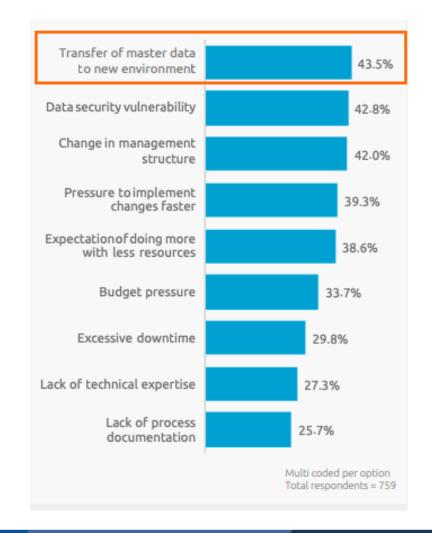
Data errors erode your brand: 92% are concerned about the negative impact of data and analytics on the organization's reputation



IT bears the responsibility: 62% said technology functions, not the C-level and functional areas, bear responsibility for data quality

The data integrity landscape for SAP systems

- SAP data errors are common: In a 2020 ASUG survey, 53% of respondents said they experience data errors in SAP applications or reports after every update
- Data migration concerns delay SAP modernization: A joint survey with Tricentis & Capgemini found that the transfer of data to the new environment was the No. 1 reason for delay in migrating to advanced SAP versions



But you can't sacrifice quality for speed

76% Application leaders agree:

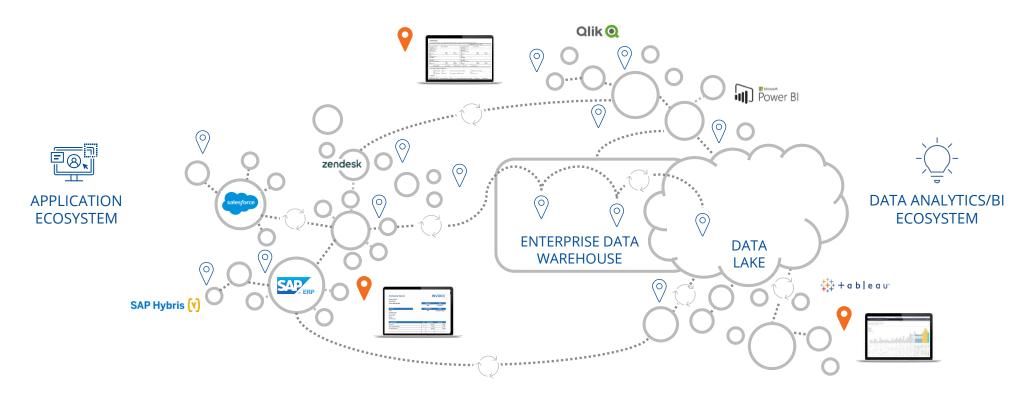
Improving **speed and quality** is key to achieving top business goals

FORRESTER
Sept. 2021

The cost of poor data quality



Today, your data is always on the move through increasingly complex landscapes

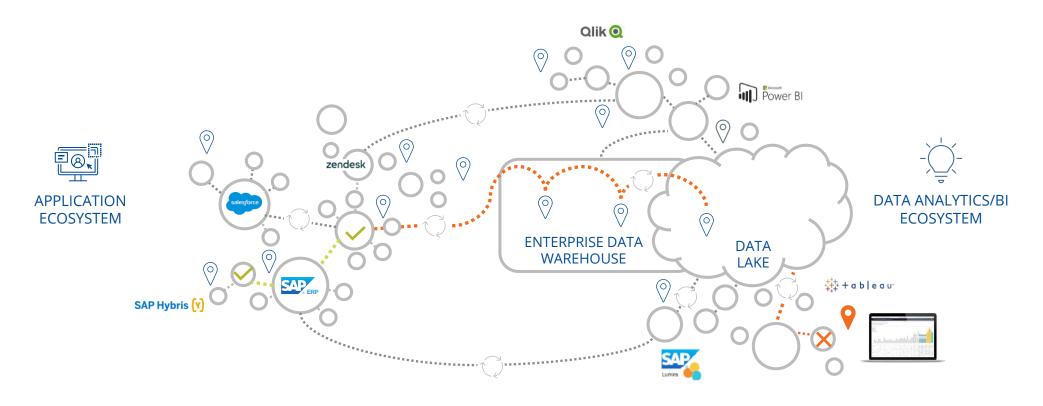


...to many different destinations



Your data can break

at any point on its journey



...and finding where it broke is time consuming and expensive



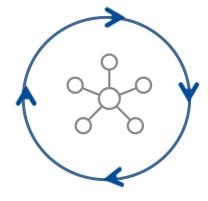
And that landscape is constantly changing increasing the chance of errors with costly consequences



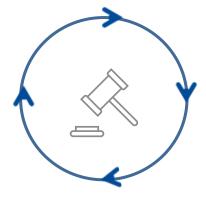
New demands from the business and regulators



More hands on your data



Changes to your application landscape



Changes to your data models and business rules

Major oil & gas company

\$2.2 million per month

Costly consequences for your brand and bottom line

Untrustworthy reports, poor decision making, data monetization issues



Costly consequences for your brand and bottom line



Major bank



\$50M+ in AML/KYC Fines

Costly consequences for your brand and bottom line



Untrustworthy reports, poor decision making, data monetization issues



Operational issues across business processes



Costly compliance issues

Costly consequences for your brand and bottom line



Untrustworthy reports, poor decision making, data monetization issues



Operational issues across business processes



Costly compliance issues



\$100's million In failed innovation



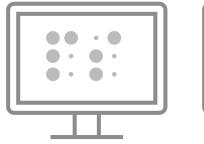
Suboptimal Al/ML-driven initiatives

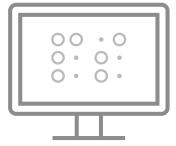
So why isn't your data better already?



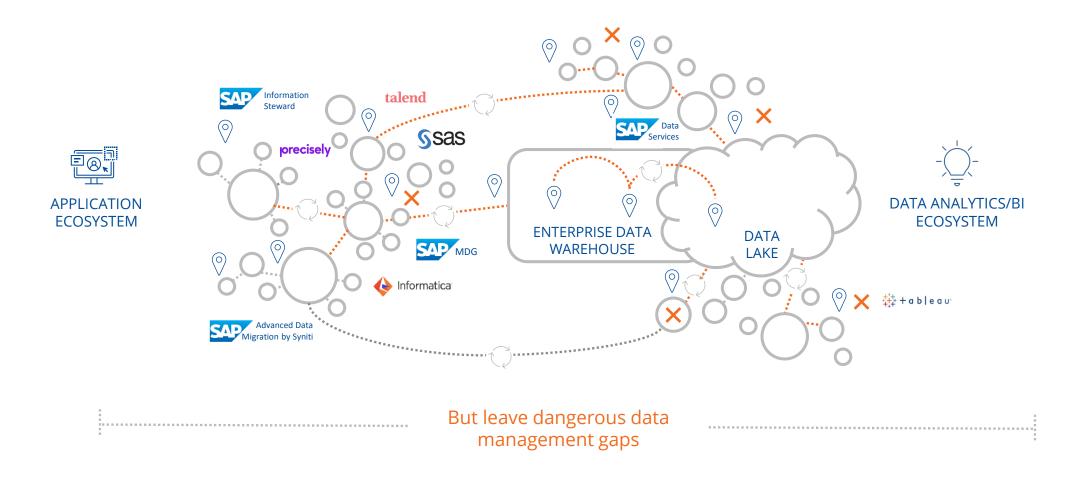
Manual "stare and compare" is slow and doesn't scale.

And is not a great use of your team's brainpower.





Point solutions are great...



It's time to think differently about how you maintain the integrity of your data



It's time to bring the **discipline** of end-to-end testing to the world of data



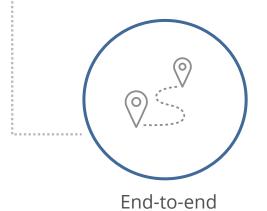


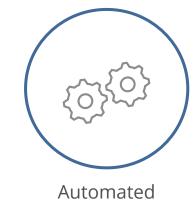
Includes data, UI, and API testing for any data type — across your entire landscape.

Tricentis

Data Integrity

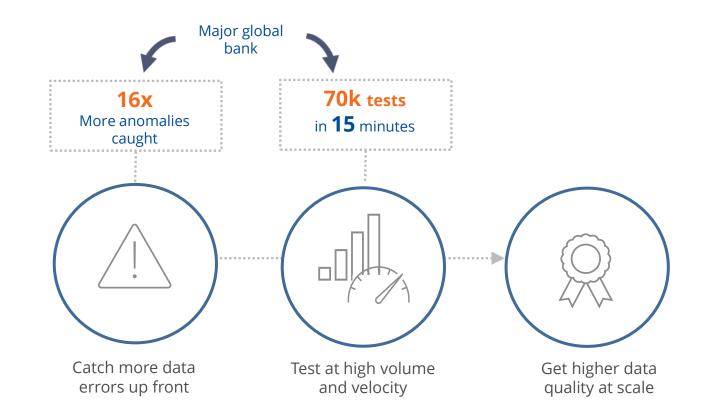
A data testing solution that's...







Data Integrity So, you can...



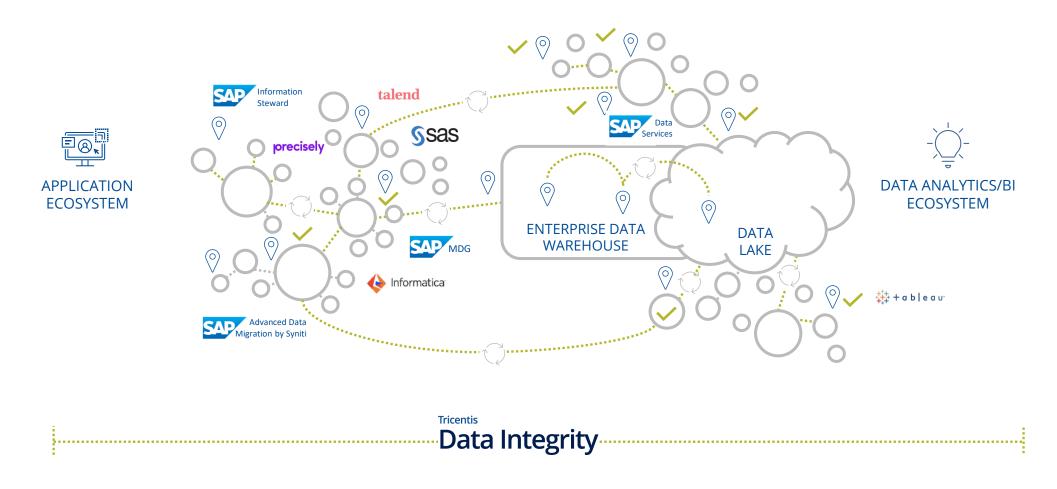
Tricentis

Data Integrity

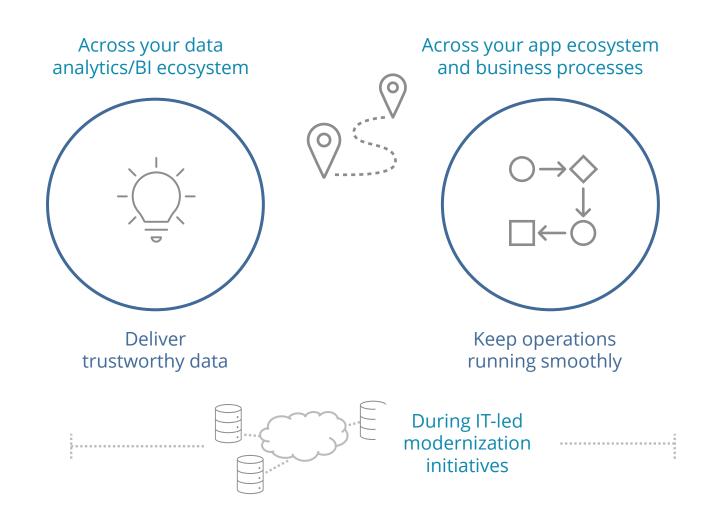
Drive better business outcomes through data you can trust



Fill your data management gaps with data testing that's end-to-end, automated, and continuous

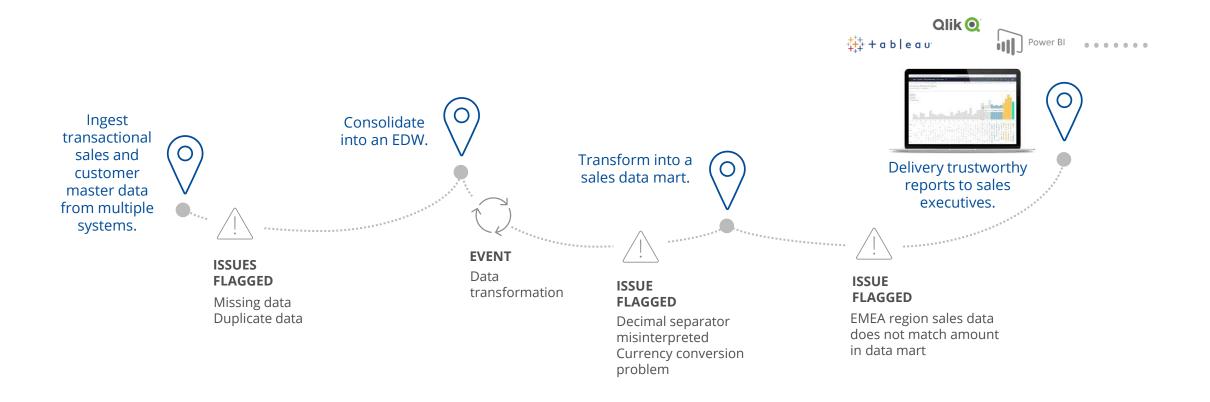


Maintain the integrity of your data on its journey



Deliver trustworthy data

Example scenario—sales analytics

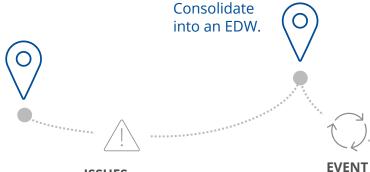




Keep operations running smoothly

Example scenario—Finance AP invoicing

Ingest raw invoicing data from multiple ERP and accounting systems.



ISSUES FLAGGED

- Missing data
- Duplicate data
- Data not following business rules
 - · Not matching metadata
 - Out of bounds, ranges

Transform data into finance data mart.

10

Data transformation

ISSUE FLAGGED

- Transposition of amounts and other data elements
- Truncation of data
- Incorrect calculations

Send accurate consolidated invoices to B2B customers in PDF form.



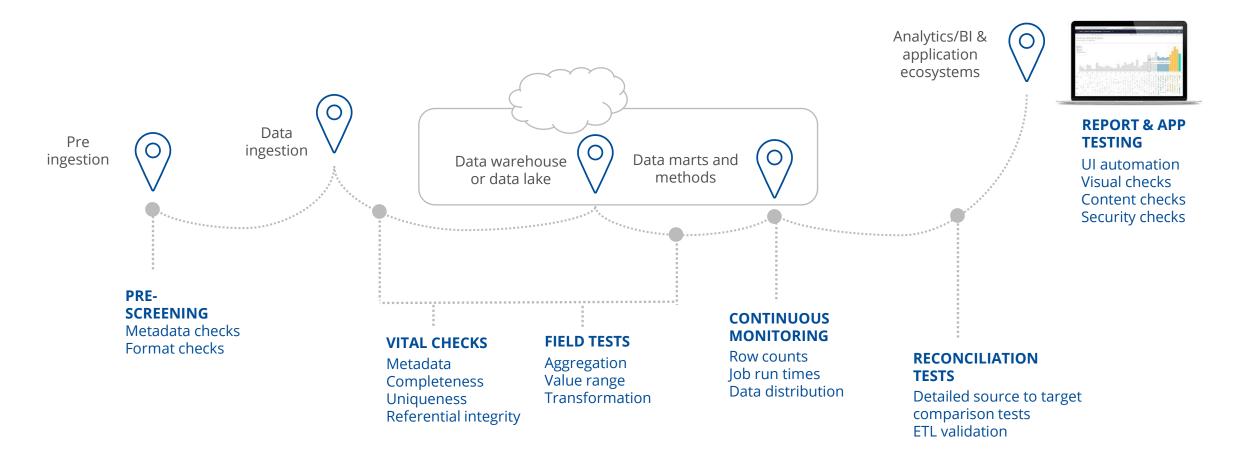




Outputs (Invoice PDFs) are incorrect to source data

Catch more errors

with tests tailored for each step of your data's journey



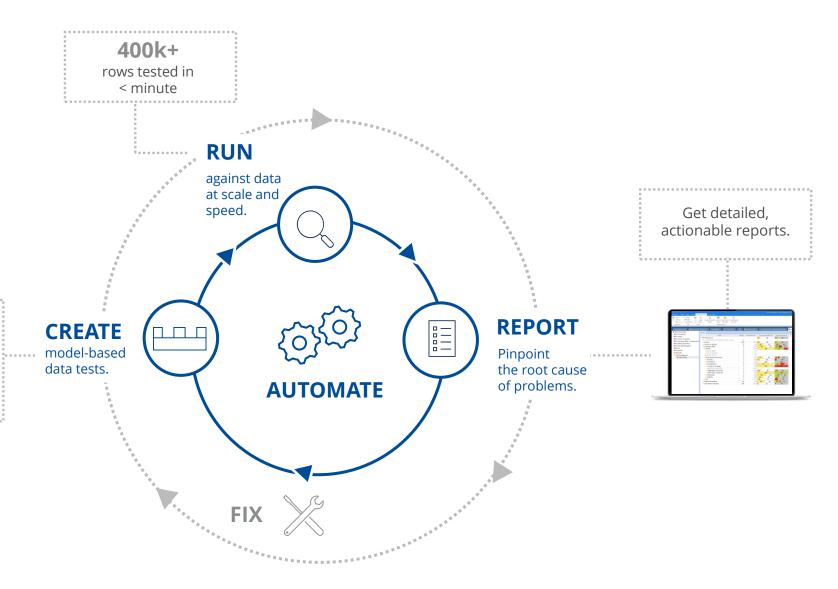
How DI works

to continuously improve your data





No-code, low-code tool No expert SQL skills required



Customer case study





About

Mercedes-Benz Sales is responsible for selling Daimler's range of light commercial and passenger cars.

Mercedes-Benz Otomotiv is their legal entity in Turkey and is also an IT base and solution center delivery for more than 40 countries.

Business drivers

Drive better customer experiences across touchpoints and unlock new revenue potential by creating a centralized place for trusted customer 360 data.



Project IDA—Integrated Data Architecture

- Complex transformation rules
- Large data volumes
- Frequent changes expected with source systems and new requirements to the IDA solution
- Lack of resources with advanced SQL and SAP BW skills



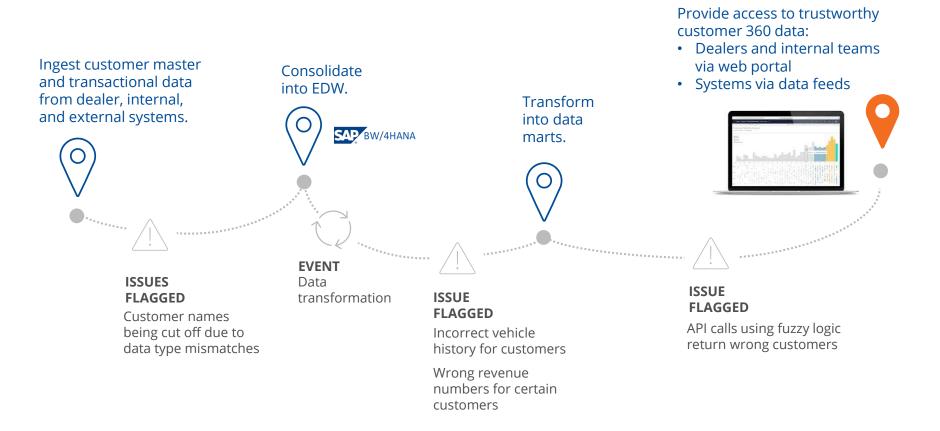
Initial manual test plan could not:

- Provide end-to-end coverage
- Handle volume
- Keep up with changing environment



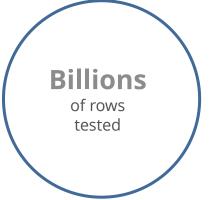
End-to-end data testing

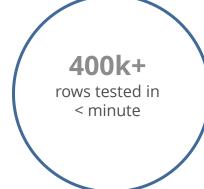
for higher data quality at scale

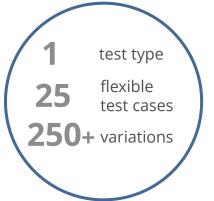




Solution metrics







It's impossible for humans to test billions of rows of data. We can now test nearly half a million rows in just one minute. There's just no comparison.

Ezgi Çetin, Test Automation Engineer, **Mercedes-Benz Otomotiv**



Business results

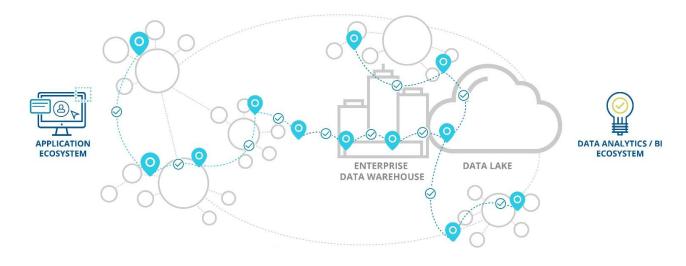


Is the data correct?

Drive better business outcomes through data you can trust

Tricentis capabilities

- Automated, end-to-end testing for any type of data and every data journey
- Tests tailored to catch errors on each step of the data journey
- Model-based test automation



Traditional approach

- Slow, "stare and compare" manual data testing that doesn't scale
- Point data tools that leave dangerous data management gaps

Tricentis customers

- Catch more data errors upfront
- Test at high volume and velocity
- Deliver higher quality analytical and operational data at scale

Data Integrity

Thank you!

Want to chat live? Join our ASUG Think Tank Oct. 7!

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 tricentis.com/software-testing-tool-trial-demo
- ➤ About Tricentis Data Integrity: tricentis.com/products/data-integrity
- ➤ About the Tricentis SAP solution: tricentis.com/sap



Questions?

