



TURNING ORDINARY DATA INTO

DATA YOU CAN TRUST!

BiG EVAL Data Quality Automation



Data Quality Assurance Maturity

· No testing vision. No clearly defined testing process. · Reacting on issues

with BiG EVAL

STRATEGIC

- · Clear testing vision.
- · Defined testing strategy for all BI projects and systems.
- · Standard BI testing tools in use.
- · Functional and nonfunctional testing.

SCALED

- · Practiced data quality culture throughout the whole enterprise.
- Using business experts data knowhow.
- · Data quality KPI's accessible and used.

TACTICAL

 Manual sporradic test **NO TESTING** cases.

Most Projects

- Low test coverage.
- · High testing effort with minimal value.

SELF HELP

- · Self-developed test toolset or
- · using unsuitable tools.
- · Sporradic usage of these tools.
- · Limited possibilities.
- · High effort for test toolset development or customizing.

AUTOMATED

Fully automated test

 High test coverage. Quality Gates in CI/CD.

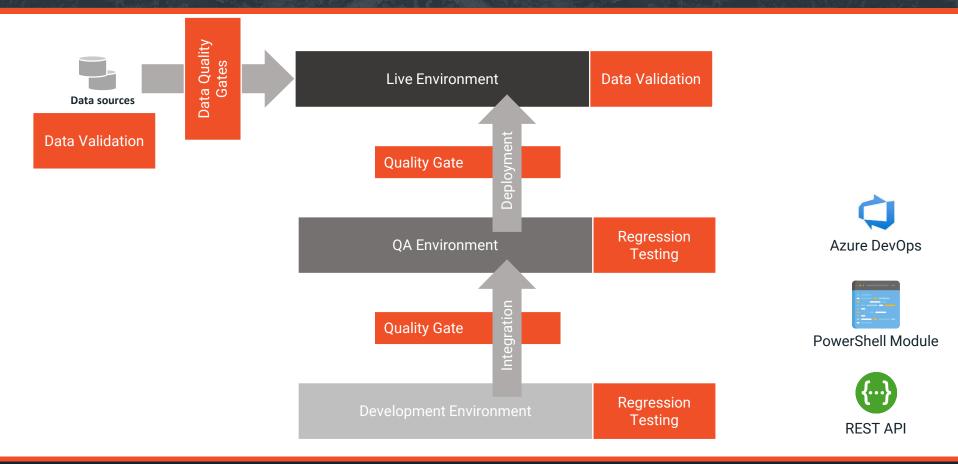
Quality Gates in

integration processes.

cases.

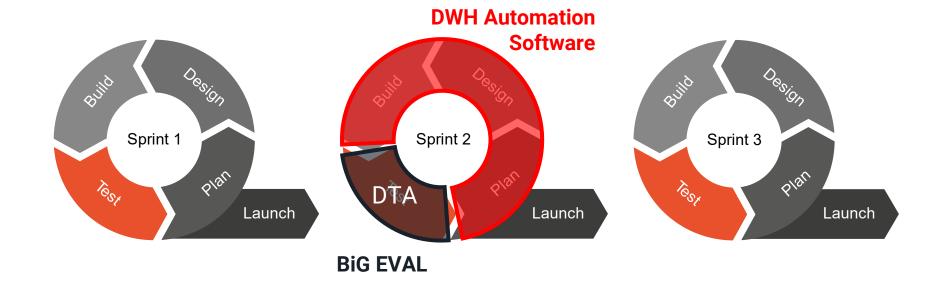
when they arise.

Data Test Automation Possibilities

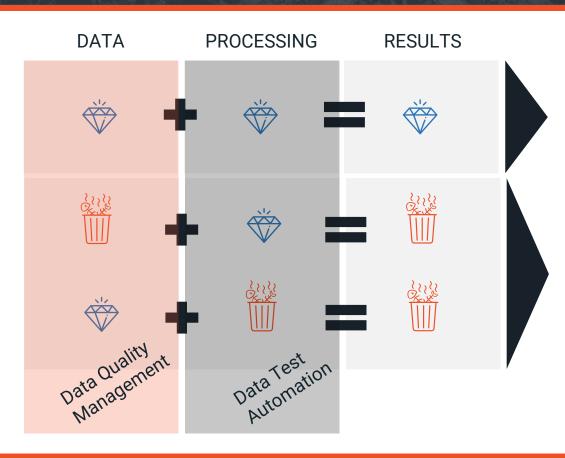




Data Test Automation in an agile Data Project



Our goal: Value in → Value out



VALUE IN → **VALUE OUT**

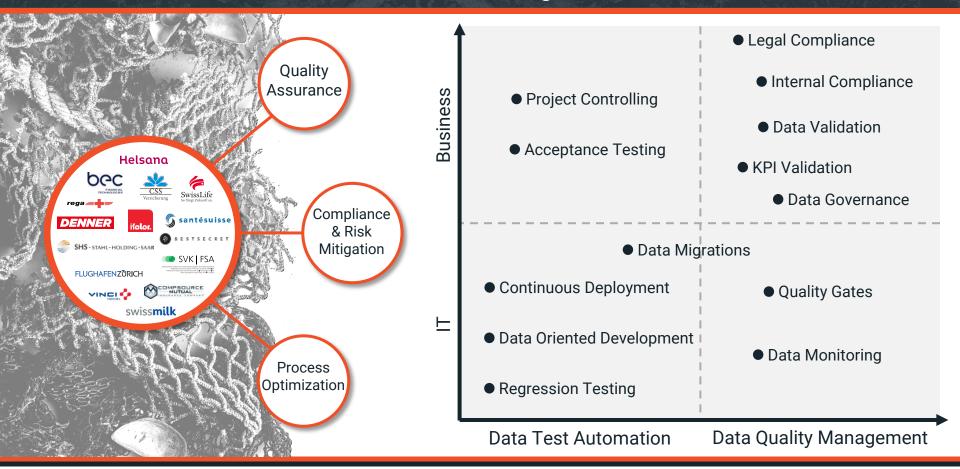
Valuable results need a high data quality and correct processing.

GARBAGE IN → GARBAGE OUT

Unusable results are caused not only by bad data quality, but also by erroneous processing.

Tech Enablement

Where do we want to throw out the testing net?





Challenge

- **Standardizing** an inhouse-developed data warehouse testing solution.
- Reliable **migration** of extensive test cases.
- **Integration** into existing quality management systems and processes.

BiG EVAL helped us to reach a stable and good data quality.

> Günther Engeler QA Manager BICC

Helsana

Leading health and accident insurer of switzerland.

Customer since: 2017 6.5 Mrd. Revenue (CHF) Employees: 3'245

Success

Solution with BiG EVAL

- **Cross-Technology and multi-system** test case logic.
- Test case execution in all system environments (DEV, TEST, PreProd, PROD).
- Complete adoption of existing test case logic using the **flexible scripting features** of BiG EVAL.
- Massive Scaling based on Metadata runs 17'000 test cases.

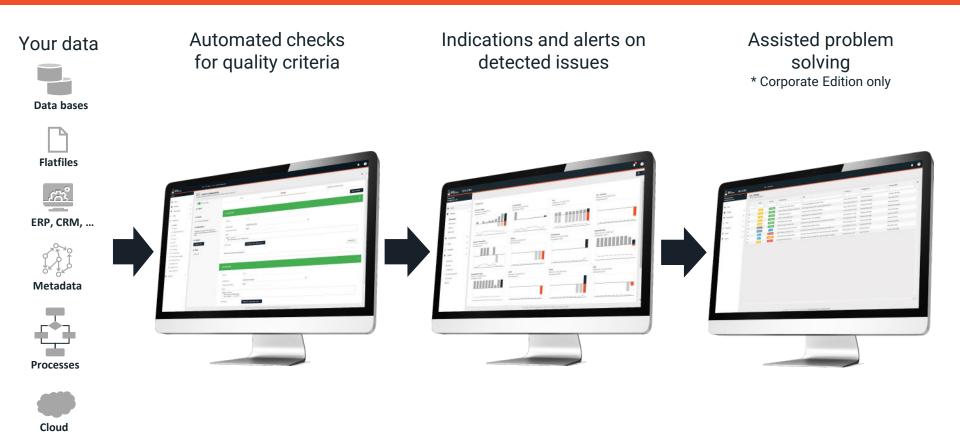
Benefits

- **Big improvement of data quality** within a short time.
- Recovering the **control over data quality**.
- Data checks rolled out to other departments and processes. E.g. BiG EVAL was used to automatically monitor business rules within the internal control of the company that were manually done using an Excel-solution before.

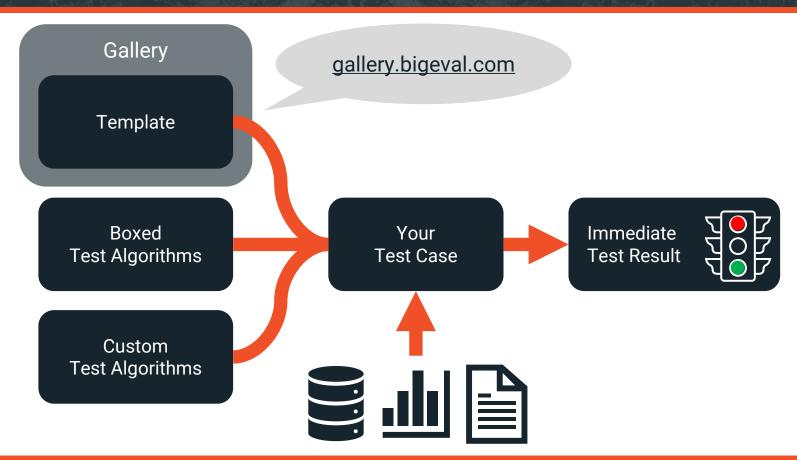


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How does BiG EVAL operate?



Same Day Productivity



Areas of BI Testing BiG EVAL supports

Data Integration Testing

- Source Data Quality Gating
- •ETL / ELT
- Transformations
- Historization
- Logging & Auditability

End to End Testing

- Data Comparisons
- Object Availability / Duplicates
- Component Integration

Data Model Testing

- Integrity
- Consistency
- Completeness
- Scalability
- Schema

Security Testing

- User Access
- Admin & Operator Access
- Security Auditing

Analysis Model Testing

- Plausibility of KPI and information
- Aggregations
- Calculations
- Value Distribution

Performance Testing

- Data Integration
- Analysis Model Performance
- Report Performance

Scripted Testing

App Integrations

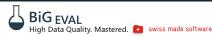
Event-Trigger

A specific quality check failed.

A set of quality checks failed.

A specific level of quality was not

SaaS Integrators Microsoft Power Automate Zapier Make.com (formerly Integromat) Webhooks **Business Applications** Integrations **{···} Custom Applications Event Processors Triggering Workflows** Script Run your own C# code Message API's Use 3rd party libraries **App Integrations** Atlassian JIRA Idera TestRail Azure DevOps

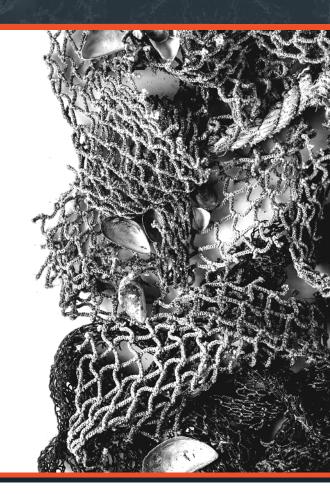


reached.

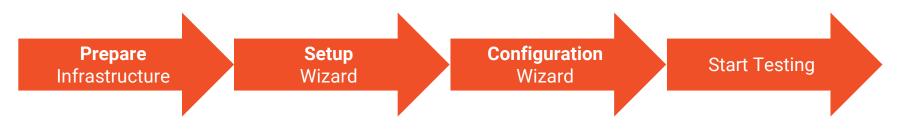
Tech Enablement

Integrate with 5'000++ Apps

DEMO



Getting started is simple!



 https://bigeval.com/docs/admin /planning-setup/systemrequirements/





Documentation https://bigeval.com/docs

Support (support@bigeval.com)

Project Handling



Demo

PoC (optional)

Sale

Implementation

Run

- In the Partner Center •
- Or via Email

- Set up on Consultants Notebook using the Partner-License
- Demo VM by request (Sandbox)
- First Demos done or supported by BiG EVAL

- · Setup in Clients **Environment**
- 14 Day Trial License
- · 30 Days possible by request
- No Partner License allowed

- Installation in Client **Environment**
- Test Case Development

- Client contacts Partner with Ouestions
- **BiG EVAL Support** available for Partner and Client.

Trainings (BiG EVAL Academy or by the Partner)

Support (support@bigeval.com)

Tech Enablement 14

Support

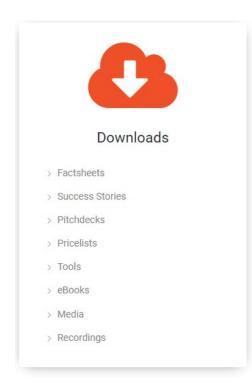
Consult Documentation

https://bigeval.com/docs

Contact Support

- Via Email to support@bigeval.com
 - Language: English or German
- The following helps us solving issues faster!
 - · Name the customer company
 - Be precise
 - What is the issue and what was done/clicked?
 - What did you already try to solve the issue?
 - Send Screenshots or a Video.
 - Send Logfiles
 https://bigeval.com/docs/admin/maintenance/accessing
 -the-logfiles/
 - A new Email-Thread for every new question.

Partner Center



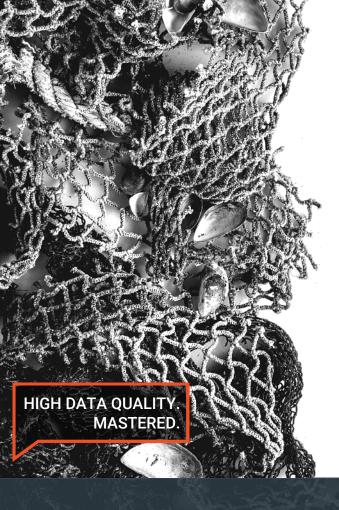
Getting Access to the Partner Center (and the Academy)



- Goto https://bigeval.com
- Click Sign In
- Click Register

 Send an email with your username to <u>support@bigeval.com</u> and request Access to the Partner Center

- Goto https://bigeval.com
- Sign out and Re-Sign-in
- Open Partner Center
 Resources -> Partner Center
 or
 Resources -> Academy





LET'S GO ERROR-FISHING!

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