DATAVARD VALIDATE

Data validation for SAP BW, BW4HANA, BW on HANA and HANA native

KEY FEATURES

– Capture of usage of queries and input parameters (SAP BW and BW4HANA)

– List cube validation

– Query result validation

– Table data validation (cross system, SAP and non-SAP)

– Before/after image validation with storage of results

– Source/target system validation with storage of results

– Front end testing (BeX, Webi, DesignStudio)

– Performance validation

– Query performance stress test

– Documentation generation

– On board test case management

– Integration with HP Quality Center

DATAVARD VALIDATE™

CUT THE WORKLOAD AND MAKE SURE YOUR REPORTING DATA IS TRUSTWORTHY

SAP HANA brings about many significant changes for SAP reporting systems. Migration to HANA, structural changes due to HANA capabilities, migration to cloud, migration to BW/4HANA, or front-end migration are just some of them. Every change needs to be tested to assure data correctness. But, testing of analytical systems is different than standard testing. It requires a comparison of before image and after image, along with thousands of data records to be compared for every query. It is a simple, but due to the amount of data, tedious and time-consuming exercise. And BI managers are having a hard time finding volunteers to do it. Typically, they are left with two options:

1. The data and performance validation is done by the IT. Since there are major restriction on what can be done in the given time and budget, only sample testing is done - less than 1% of the full scope is validated. This creates a major risk of data untrustworthiness. Potentially, the end users might base their decisions on incorrect data. Performance is also a big topic, as it is unknown how the system will behave when the next critical period comes - such as a quarterly closing.

2. The other option is that data validation is done by the business. But HANA related changes bring little value to the business, and consequently they are less willing to test them. After all, what is the benefit for the business in a system upgrade and why should they take the responsibility for it?

A PARADIGM SHIFT WITH DATAVARD VALIDATE

With Datavard Validate, the complete process works the way it should - IT validates both data and performance of the complete system and shows the results and possible issues to the business. Having full and trustworthy results, the business can take a Go/No Go decision. This way the responsibility stays with the IT (where it should be) and IT can prove to the business that the migration / change is complete, correct and that the response times are great. Furthermore, Datavard Validate can capture the usage of SAP queries and the input parameters, which are then used as test cases. The testing is very similar to the way how business users are working in the system, without creating unnecessary workload for the business users of storage space. In the long run, it slows down data growth and improves system performance. The return on investment is visible already after 12-18 months.

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SUPPORTED SCENARIOS

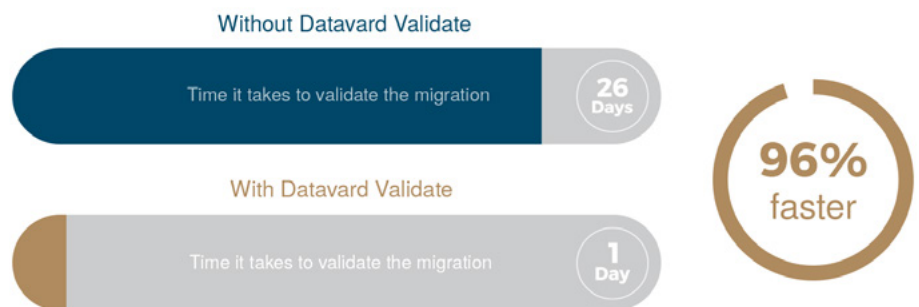Datavard Validate supports following scenarios:

– Migration of SAP BW to BW on HANA

– Major release upgrade

– Migration to Cloud

– Migration to BW/4HANA

– Switch from InfoCubes, DSOs to ADSOs

– Unicode upgrade

– LSA to LSA++ and delayering

– Front end migration

TEST AUTOMATION VS. DATA VALIDATION – WHY DO I NEED ANOTHER TEST AUTOMATION TOOL?

Traditional test automation works in general in the same way. The steps of users are recorded as test scripts and can be re-executed automatically with various parameters and conditions. This works fine for transactional systems such as SAP ERP, however testing of analytical applications (e.g. SAP BW) is different. The question that needs to be answered is not about the functionality – "will results of a report be shown?", but about data validation - „is the data correct?". This requires a completely different approach to testing and test automation, as traditional ways will fail. The good news is that with Datavard Validate, the data validation process can be very effectively automated.

95% of customers who tried Datavard Validate refused to do manual testing ever again!

MIGRATION OF 175 TB TO SAP HANA

Without Datavard Validate
Time it takes to validate the migration — 26 Days

With Datavard Validate
Time it takes to validate the migration — 1 Day

96% faster

ABOUT DATAVARD

Datavard is an international provider of SAP solutions in the areas of analytics, data management and system operation. Datavard was founded in 1998 and is one of the fastest-growing technology companies. It is based in Heidelberg, Germany with subsidiaries across EMEA, USA and APJ.

www.datavard.com