



Innovation – S/4HANA Innovation Analysis

Can HANA eliminate your major bottlenecks?

Software vendors offer their customers new functionality in the form of cutting-edge products like SAP HANA. Or they supply upgrades and extensions. All of these can add business value. But unless organizations can assess innovations – their relevance to and impact on the company’s processes – they cannot accurately predict whether new products will benefit them. And they cannot properly plan the implementation of these innovations.

This is where S/4HANA Innovation analysis can benefit you. It evaluates

your live system data and utilizes big data to discover points of concentrated usage in your organization. It finds out which bottlenecks are choking your database response times, and simulates your own system’s bottlenecks to spot SAP HANA’s potential for your organization.

The analysis examines HANA scenarios for their relevance to and impact on your processes, while enabling you to add transactions to user-specific scenarios that you define.

> YOUR NEED

- To identify remedies for long response and loading times
- To eliminate database bottlenecks despite high numbers of batch jobs and overloaded resources
- To generate faster, more interactive reports
- To optimize and accelerate any company-specific software developments
- To pinpoint areas in which S/4HANA can be most effective for you
- To obtain an objective recommendation for how to utilize S/4HANA if you are considering implementing it

Transaction/Program calls by dialog user

Response time	Calls/month	Users	Sum response time/month	thereof DB time
<1s	6,859,710	909	514 h	46%
≥ 1s	914,084	729	3,246 h	77%
≥ 10s	68,807	292	2,729 h	80%
≥ 60s	20,615	96	2,467 h	80%
Total	7,773,795	912	3,760 h	73%

> Excerpt of the RBE Plus Browser: The picture shows database response times.



> OUR SERVICE

- Analyzes big data and points of concentrated usage. It's interactive and bases conclusions on live system data
- Simulates your system's bottlenecks and closely examines your most powerful levers (adjustable parameters) and most disruptive bottlenecks
- Assesses relevance and impact of S/4HANA, end-to-end processes, and Fiori apps and fact sheets
- Creates customer-specific scenarios and as-signs them transactions
- Determines usability of HANA live query views on the basis of actual system usage
- Offers you the first interactive SAP HANA app out of the cloud

How many bottlenecks are there?

Bottlenecks identified: 488 (25.5%)
 thereof read-related: 349 (18.2%)

How many users are affected by the identified bottlenecks?

Number of users affected: 634 (66.3%)

How often do they use these bottlenecks?

Calls affected (Month): 730,630 (6%)

Top lists

What % of the response time does the database

Acceleration potential: average 25/31

SAP transactions

Custom transactions

Direct SAP programs

Direct custom programs

Bottleneck ta

To unstop these bottlenecks, how many tables n

Via programs: 6,777 (1,735 C)
 All tables: 88,582 (2,353)
 Required HANA size: 694 GB

If those bottlenecks were moved to SAP HANA, I

DB capacity savings: 5,168h (93.5%)

<input type="checkbox"/>	Transaction	Trans. Desc.	Trans. Package D...	Prog. Desc.	Calls (Period)
<input type="checkbox"/>	Z1111	Sammlereports	Sammlereports	Reports / Transakt...	124,064
<input type="checkbox"/>	Z2222	Sammlereports	SD Verarbeitungs...	Programm ZSDS...	116,411
<input type="checkbox"/>	Z3333	technische Klärung	Auftragsklärung PW	Produktionslogisti...	113,355
<input type="checkbox"/>	Z4444	Auwahl Bundbest...	Kundeneigene Pro...	BAL : Report Disp...	98,591

> Excerpt of the RBE Plus Browser:
 The picture shows bottlenecks of user systems.

> YOUR BENEFIT

- Evaluates whether S/4HANA would benefit your organization
- Offers an overview of and details on the most powerful levers (adjustable parameters) in your system
- Delivers objective, replicable results
- Defines the scope of migration
- Offers first hands-on experience with SAP HANA because the results are provided by SAP HANA
- Assesses whether you need HANA One (cloud-based) or an on-premises solution
- Gives you a solid basis for decision-making and aids planning of S/4HANA implementation

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