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FACT SHEET | S/4HANA Innovation Analysis

CAN SAP 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 up-grades 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 sys-tem data and utilizes big data to discover points of concentrated usage in your organi-zation. 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 organiza-tion.

The analysis examines HANA scenarios for their relevance to and impact on your pro-cesses, while enabling you to add transac-tions to user-specific scenarios that you de-fine.

APPLICATION

SAP HANA has generated a great deal of hype, but at the end of the day, only a cost-benefit analysis can offer guidance. But beware: There is no one-size-fits all solution. Only by identifying your own bottlenecks and examining the specific effects SAP HANA would have on your processes, will you know whether, and to what extent, the appliance could benefit you. SAP offers ready-made scenarios, but their relevance to your own system must be carefully reviewed. You need to know: Can SAP HANA eliminate your major

bottlenecks or will you require company-specific SAP HANA scenarios?

When to conduct the analysis:
- To identify remedies for long response and loading times
- To eliminate database bottlenecks despite high numbers of batch jobs and overloaded re-sources
- 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

Who benefits from the analysis?
- IT application specialists
- Project teams for SAP HANA
- System owners

WHAT WE OFFER
We deliver software-based analytics that help you monitor and adjust your system, based on facts and objective data – so you can respond with speed and agility to changing business needs.

What benefits does the analysis offer?
- 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

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- Assesses relevance and impact of S/4HANA, end-to-end processes, and Fiori apps and fact sheets
- Creates customer-specific scenarios and assigns 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 YOU BENEFIT

The S/4HANA Innovation analysis comprises several components.
The interactive bottleneck analysis, for example, lets you define response times and database times per call for transactions, to determine what you consider a bottleneck. It shows the total number of bottlenecks, the users affected by them, and how frequently each one occurs.

How many different bottlenecks do exist?
Identified bottleneck transactions: 60

How many different Users are affected by those bottlenecks?
Affected user: 25

How often do they use these bottlenecks?
Affected calls (Month):   108 / 35.642 (0

How much % of the response time does the database consume?
Acceleration Potential: 44% (average

To accelerate these Bottlenecks, how many Tables do I have to migrate to SAP HANA?
via Packages: 8.322 (17 GB)
via Programs: 39 (5 GB)

If those bottlenecks were moved to SAP HANA, how would the DB load decrease?
DB capacity savings: 10% (0/4h)

Top 10 Custom Bottleneck Transactions

Download as Excel

Transaction	Trans. Desc.	Trans. Packag...	Prog. Desc.	Calls (Period)
Z111	Bestell-Obligo	Entwicklungskl...	Bestell-Obligo	2.537
Z222	Kommissions...	SD Entwicklun...	Ändern Liefers...	1.060
Z333	Qualitätskennz...	Lieferantenerg...	Qualitätskennz...	1.031
Z444	Anlegen StüLi...	PP-Entwicklun...	Stücklisten aut...	1.023

Bottlenecks in the user system

What does the analysis do?
- 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

Response time	Calls/Month	User	Sum response time/Month	thereof DB time
<1s	27.835	82	3 h	38%
>=1s	7.807	73	8 h	35%
>=10s	461	38	2 h	22%
>=60s	6	7	0 h	52%
Total	35.642	85	11 h	36%

Details: 38 User executing transactions with response time >= 10s

Database response time

YOUR SOLUTION PARTNER

IBIS Prof. Thome develops innovative business IT solutions for the private and public sector, in compliance with legal and regulatory requirements. It delivers business methods and tools – beginning with thorough, effective research and ending with efficient, project-based application. IBIS experts bring their scientific research and consulting expertise to every project, from its strategic preparation to its implementation, to the ongoing improvement of applications.

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