







Figure 1. Challenges in terms of individual applications

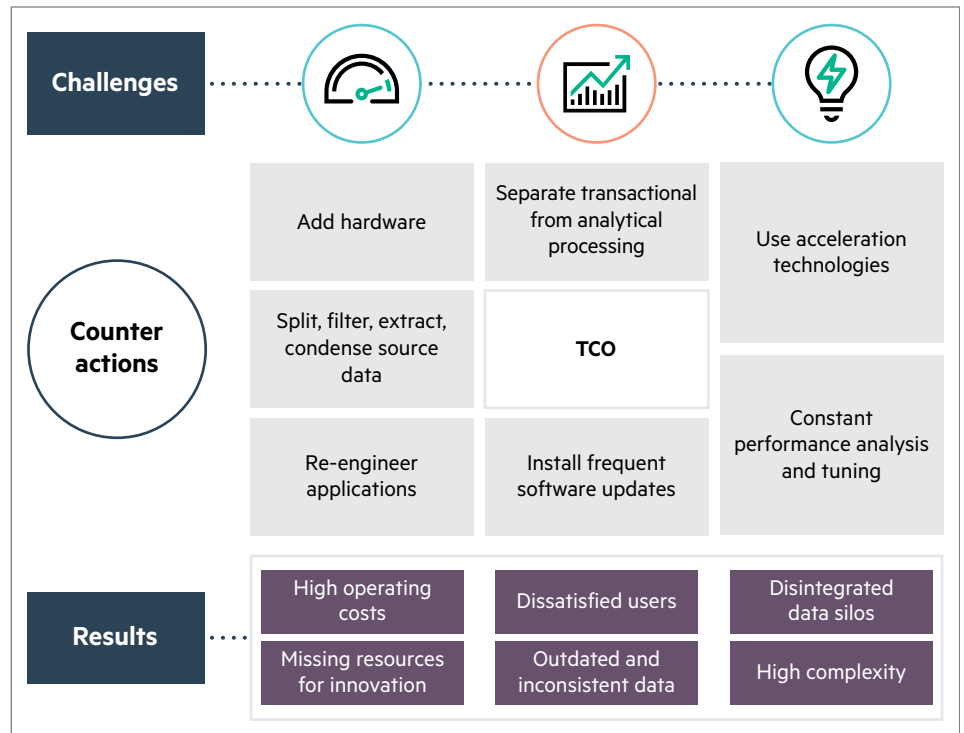


Figure 2. Traditional counter actions drive total cost of ownership up



**This is all we need from you**

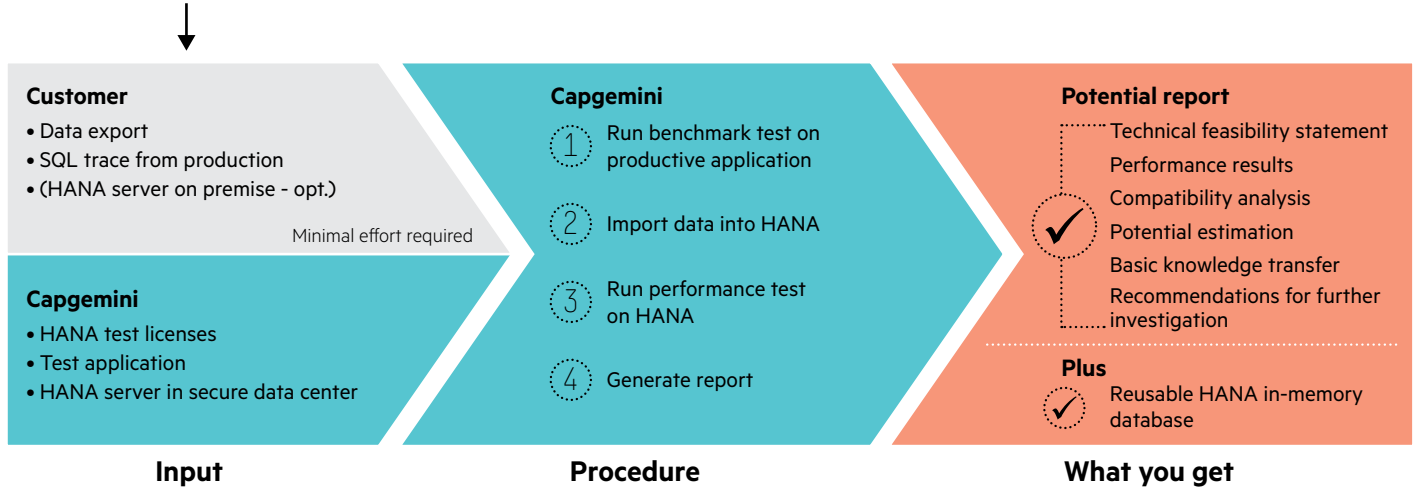


Figure 3. Quick start for existing custom applications: Low investment, minimal effort, no risk

“While we were searching for a solution which dealt with all of the problems of custom developments in a single stroke, we asked colleagues from a wide variety of expertise for ideas. The result of this interdisciplinary work is UNLIMITED.”

– Detlev Sandel Director of Innovation Management, Capgemini Germany

**UNLIMITED—Speed up your custom software to real time**

UNLIMITED improves the performance of your custom applications by making them faster, more responsive, and ready for Big Data. Our approach is aimed at protecting your investments in custom applications while enabling a leap into the digital age of Social, Mobile, Analytics, and Cloud. UNLIMITED prepares your custom applications to process mountains of data in real-time. It enhances data quality, reduces cost and complexity. The resultant improvements in speed and flexibility assure better user productivity while substantially reducing effort. What’s more, the improvements are long-term, insulating your application landscape from incessant renovation for years.

To achieve this, we usually avoid changing a single line of code; instead, we use the SAP HANA® platform running on HPE which presents the potential to improve application speed by up to 30 times. Measurable advantages include:

1. Processing large quantities of data (Big Data) in real time
2. Ability to continuously, effortlessly improve data quality
3. Reduction in operating costs
4. Lower complexity with a greater degree of flexibility
5. Faster access to data and significantly better usability, which lead directly to increased satisfaction and productivity for the end-users
6. A future-proof application landscape





## Improved performance in two steps

Our agile, modular approach minimizes risks and costs, since we test applications through a purpose built process and in advance. The test identifies improvement potential of your applications and the likely costs involved in realizing it. Your time and effort commitments are minimal; capped to the point of sharing an anonymized copy of the database.

In two to four weeks, you receive a detailed report containing:

- Technical feasibility
- Results of the performance test
- A compatibility analysis
- Improvement potential assessment
- Recommendations for the next steps

The next step is to adapt the database for SAP HANA. We review required adjustments, implement them, and prepare the HANA system for operational readiness. In most cases, we continue to use the test database. You retain the choice to run the operation on your own or move to an as-a-service model with Capgemini.

**Results from the analysis of a productive, complex customer application which was implemented in Java on a traditional, relational database demonstrates the potential of UNLIMITED quite spectacularly**

Enhanced speed  
by up to  
**30** times

Database size  
reduced by  
**65** percent

No investments in  
performance  
optimization

No changes to  
the application  
required

Executable on  
a cost-effective  
standard  
x86 server





### Why SAP HANA for application performance improvement

SAP HANA is a lightning fast in-memory platform capable of processing large quantities of structured and unstructured data in real time. Developed for business critical applications demanding high-availability, it reads from a system's central memory, from where access to data is up to 200,000 times faster, compared to a hard disk. A SAP HANA Database is up to 95 percent smaller than a traditional, relational database with the same content, thanks to column-based, redundancy-free data storage and compression techniques. What you get is a significantly compact database and a simplified data model.

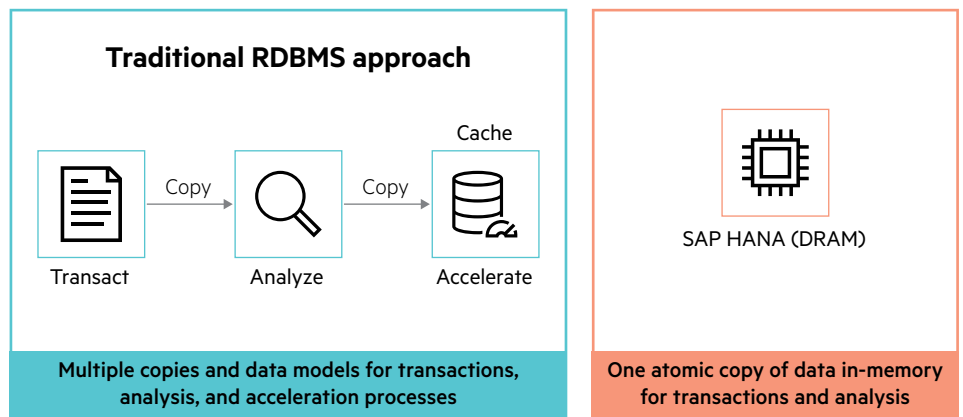


Figure 4. SAP HANA versus traditional RDBMS approach





In addition, SAP HANA reduces administration requirements by eliminating data indexing. It enables flexible data modeling as models can be defined and modified during operation. With faster access times, it eliminates batch processing and enhances the granularity of data analyses, facilitating the analysis of geographical data, texts, and videos in an instant.

Along with database enhancement, we can also optimize your applications for SAP HANA or implement entirely new functionalities. That's greater speed and flexibility with very little implementation effort, costs, or risks.

### **Why HPE for SAP HANA**

Digital transformation is critical for success in the idea economy. You can count on HPE solutions for SAP HANA to bring you simplified, innovative solutions based on right-fit infrastructure, software, and services, creating an integrated digital core that:

- Offers deployment choices—on-premises, TDI, and Cloud—so you can have SAP HANA the way you want it
- Scales easily to protect your investments and expand as needed in the future: HPE Flexible Capacity is a pay-as-you-grow solution that lets you scale up capacity instantly to handle growth without the usual long procurement process, and without tying up capital
- Provides one-stop support to simplify the support experience and resolve issues faster

### **UNLIMITED is only available from Capgemini, SAP, and HPE**

Over the years, we've helped thousands of businesses transform innovation and agility into competitive advantages, backed by the experience of thousands of SAP® projects and a network of more than 10,000 experts. We share a close development partnership with SAP, aimed at further developing the HANA platform for the non-SAP market. In addition, we're the winner of a 2014 SAP Pinnacle award as the SAP HANA Adoption Partner of the Year.

UNLIMITED is based on this accumulated experience and learning from our close partnership with SAP.



## About Hewlett Packard Enterprise

Hewlett Packard Enterprise is an industry-leading technology company that enables customers to go further, faster. With the industry's most comprehensive portfolio, spanning the cloud to the data center to workplace applications, our technology and services help customers around the world make IT more efficient, more productive, and more secure.

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## About Capgemini

With more than 190,000 people in over 40 countries, Capgemini is a global leader in consulting, technology, and outsourcing services. The Group reported 2016 global revenues of EUR 12.5 billion. Together with its clients, Capgemini creates and delivers business, technology, and digital solutions that fit their needs, enabling them to achieve innovation and competitiveness. A deeply multicultural organization, Capgemini has developed its own way of working, the Collaborative Business Experience, and draws on Rightshore®, its worldwide delivery model.

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## About SAP

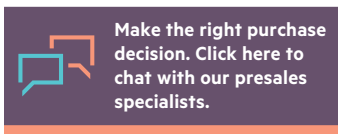
As the market leader in enterprise application software, SAP is at the center of today's business and technology revolution. SAP helps you streamline your processes, giving you the ability to use live data to predict customer trends—live and in the moment. Across your entire business. When you run live, you run simple with SAP.

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a00007439ENW, November 2017, Rev. 1

