



# Optimize your SAP IT while reducing costs

## Fujitsu SystemInspection Service for SAP Solutions



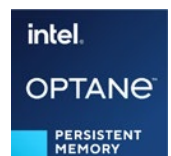
Each SAP application behaves differently toward the IT infrastructure in terms of consuming server, storage and network resources. Performance and service-level issues can have multiple root causes, and finding the right configuration has always been extremely difficult. Quite often more equipment is purchased to solve the problem with brute force. A particular new challenge is the rightsizing of Intel® Optane™ persistent memory, which is a great means to deploy more main memory on a single server at lower costs to run large SAP HANA databases. Thus, it may be smarter to make a small investment in Fujitsu SystemInspection Service (SIS) upfront, before overspending in systems later or even waste investments entirely through improper configurations.

SIS is an efficient analysis and comprehensive consultation package for SAP infrastructure environments, offered at a fixed and affordable price. Typically, SIS costs are significantly below the achieved IT cost savings. You get a complete understanding of the current workload, performance, and related resource consumption, plus guidance for optimizing your SAP landscapes in line with the required service levels. The service solution collects and analyzes numerous

performance metrics covering physical and logical layers, such as infrastructure components, transactions, or dialog steps. Unlike standard SAP tools which use theoretical reference architectures, SIS uses the real-life data of your particular landscapes, which creates a much more accurate foundation to provide data-driven decision support for any upcoming transformation, migration, transition, or hardware-refresh projects. The service is applicable to hardware from all vendors as well as (hybrid) cloud environments.

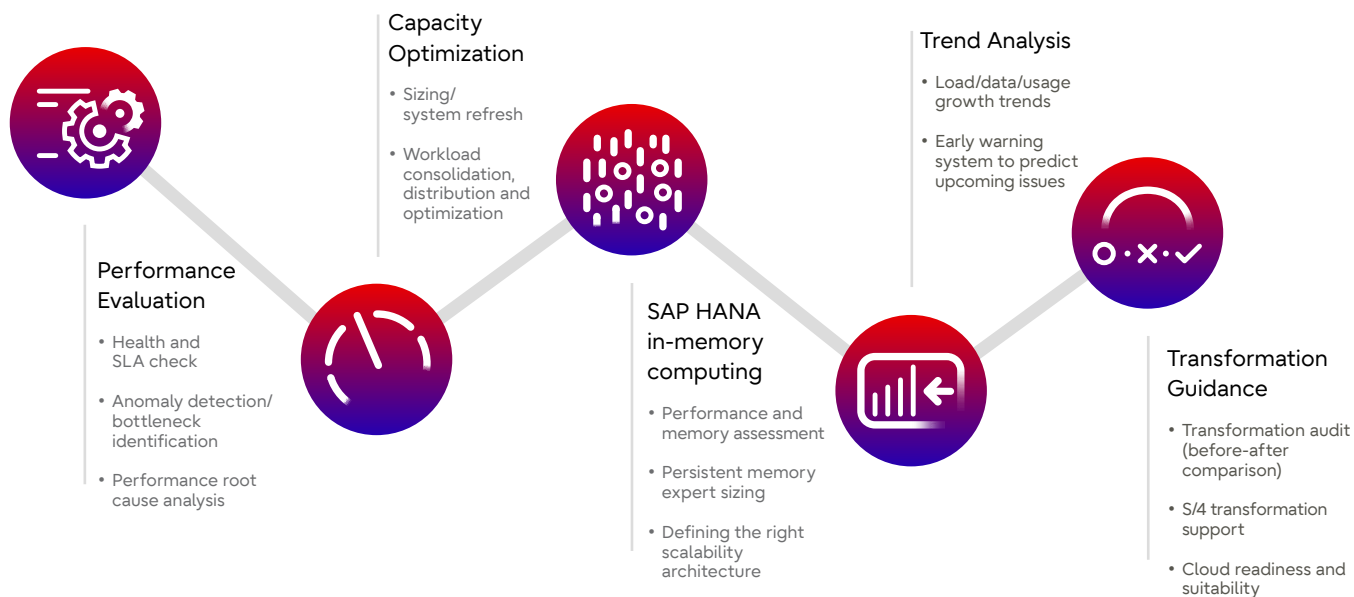
### This solution lets you

- Get clear recommendations for optimizing the on-premise or cloud IT infrastructure for SAP landscapes
- Increase the quality of service by helping to eliminate performance bottlenecks
- Avoid unnecessary investments in IT equipment
- Find the right combination of DRAM and persistent memory for your particular SAP HANA database
- Deliver individual and short-term results with minimum effort
- Get insights relevant to capacity planning for upcoming new requirements
- Detect issues which may impact your service levels in the future (early warning system)
- Conduct cloud migration projects and get accurate cost predictions



# Great value for the following usage scenarios

There are five main usage scenarios for which this service can add great value.



## • Performance Evaluation

After an initial measurement phase, the SAP system landscape is analyzed and evaluated with respect to a pre-defined set of performance KPIs. Potential bottlenecks are identified, and workload profiles are derived. The anomaly detection mechanism scans all measured data points and separates the normal from the anomalous. Results are visualized with an interactive 3D model. A root cause analysis is conducted based on very comprehensive data sets.

## • Capacity Optimization

This includes the analysis of workloads in the existing SAP system landscape and determination of the future requirements for conducting consolidation, workload redistribution, migration and upgrade projects. There have been many cases in which unnecessary investment in IT equipment was prevented. Thus this service solution can contribute to achieving excellent ROI.

## • SAP HANA in memory computing

The massively increased response time of transactional and analytical tasks enable customers to do more in real time thanks to SAP HANA in-memory technology. Of course, the key requirement here is to appropriately size the main memory and the new persistent memory layer

in a server architecture. As skills in this new area are still rare, this service can add great value. It avoids potentially extreme costs of improper memory configurations and can help to consolidate complex multi-node server architectures into a single server environment. The latter results in simpler SAP HANA DB operations and eliminates the network latency between servers.

## • Trend Analysis

Most performance issues develop over time and could have been prevented if action had been taken earlier. Do not wait until users complain! Use the trend analysis of the SystemInspection Service as an early warning system.

## • Transformation Guidance

Whenever you plan a major change in your SAP application landscape, it is vital to have a solid base of data to adapt the underlying IT infrastructure appropriately. The SystemInspection Service can accompany you through the transition process. Data about the measured status quo and future requirements is used to define the target architecture. Once the change is complete, an additional measurement will ensure that everything fits correctly – if not, suggestions for improvement are made. These steps are not limited to SAP deployments on-premise – cloud migration projects can also be included.

**For more Information about SystemInspection Service visit our [website](#)**

If you think that professional assessment and advice can help you optimize your SAP infrastructure, please be sure to contact us: [cic@ts.fujitsu.com](mailto:cic@ts.fujitsu.com)