Case Study
Siemens AG GS IT

"Together with Fujitsu we have developed a solution for supplying SAP HANA systems to our customers in a standardized and automated manner, in a very short space of time. The cooperation with Fujitsu was excellent."

Dr. Jürgen Droletz, Project Management, Siemens AG GS IT

The customer

Country: Germany
Industry: Technology
Founded: 1847
Employees: More than 343,000 worldwide
Website: www.siemens.de

The initial situation

All the SAP systems at Siemens' central data center were to be migrated to SAP HANA® and additional SAP HANA systems were to be provided. The key requirement for a joint project between Siemens and Fujitsu was the assurance to install the systems quickly and to a high standard in a fully automated manner.

The project

To meet these requirements, the data center team at Siemens AG entered into a joint project with Fujitsu:

- The associated detailed technical requirements were worked out together
- A suitable infrastructure was developed to provide the hardware basis for the SAP HANA systems (HANA Power-Block)
- A solution for the automated provisioning of a storage infrastructure, including snapshot and clone technology, was designed and implemented

The customer

Siemens AG (Berlin and Munich) is a global technology powerhouse. The company is active in more than 200 countries, focusing on the areas of electrification, automation and digitization. The central data center of Siemens AG is responsible for hosting and running the company's business-critical applications.

The solution

The first phase of the project consisted of the following:

- Definition of requirements and solution design
- Target system definition
- SAP HANA® project solution architecture
- Definition of the hardware basis for the SAP HANA systems (HANA Power-Block)
- Implementation
- SAP HANA infrastructure setup.

In the course of this, it was found that a SAN-based infrastructure actually offers significant advantages over NAS systems. A proof of concept showed the ETERNUS DX storage system to be superior to all the other competitor products.

The second phase focused on implementation of ETERNUS Snapshot technology:

- To enable instant recovery of even the biggest databases at any time. (The biggest system installed at Siemens currently has a volume of 21 terabytes of compressed HANA data and, thanks to ETERNUS DX technology, can be backed up and restored in a matter of minutes. By comparison, this data would take several hours to recover using traditional back-up methods)
- To allow rapid and straightforward generation of system copies.

For this implementation, Fujitsu had to utilize its expertise as both an infrastructure provider and a solution developer.