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SAP HANA as a way to optimize the performance of the systems of a major electronics retailer NAY a.s.

NAY www.nay.sk

Situation

- During the system measurements, problems with user responses in the productive system were repeatedly noted. The systems were running in a hosting centre on the public cloud. There was a need to optimize the operation of the systems and eliminate the response issues.

Challenges

- Demonstrate a significant improvement in the runtime of a productive system by performing a Proof of Concept (PoC) database migration of a housing server to a private cloud
- Eliminate user response issues in the production system
- Ensure high availability of systems at the time of long distance and interstate migration
- Migrate SAP architecture to a new data centre in another state
- As part of the SAP architecture migration, it was also agreed to migrate to new and more powerful databases (Sybase ASE, HANA) and the Linux operating system within 12 hrs. so that operations would not be impacted
- Physical transfer of the HW development and productive BW environment to the new hosting centre (Slovak Republic -> Czech Republic)

Solution

- PoC - benchmarking of a productive SAP system running in the same architecture but on a private cloud
- Change of data centre hosting services including change from public cloud to private cloud
- Migration of development, test and production ERP system to HANA database
- Migration of Process Integration and Adobe Document Services to Sybase ASE database
- Change of the operating system from Windows to Linux
- Physical transfer of HW development and productive BW environment to new data centre

Project highlights

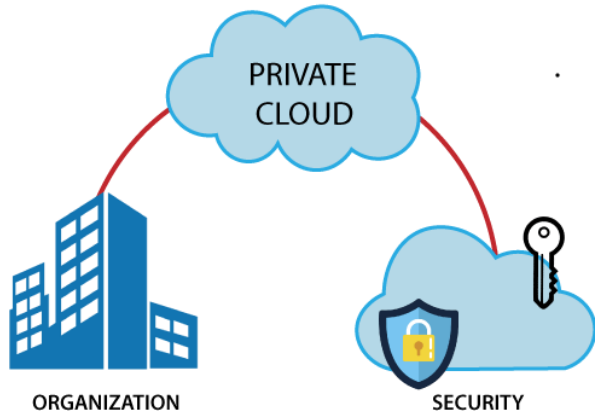
- In PoC, we showed the customer that for the same cost it is possible to run the system more efficiently and with better responses. The change was so significant that NAY didn't want to go back to the original public cloud, even though the activity was only supposed to be as a test. Another significant shift was that immediately after the transition to HANA DB, there was another significant change in the quality of user response.

Benefits

- System responses in the new hosting centre are significantly faster
- Elimination of problems with user responses and system speed by moving to a new hosting centre on a private cloud
- The migration of all environments between hosting centres including the migration of systems to HANA/Sybase ASE database and the change to Linux operating system was completed within 12 hours in each environment, i.e., customer operations were not impacted
- SAP systems are running on DB HANA/Sybase ASE

The plan for the future and solution development

- SAP HANA DB, Sybase ASE and the Linux operating system created the prerequisites for the transition to SAP S/4HANA
- Conditions were created for the use of new development capabilities in SAP, the use of HANA optimized codes in SAP, the use of new platform features, Andriod reader, Fiori applications



Industry

- Retail

LoB

- Sales and Purchasing

Customer

- NAY a.s.

Seat

- Bratislava, Slovak Republic

Products and services

- Sale of Electronics, Electrical Appliances, Photographic equipment + Audio + Video, Computers and laptops, Smartphones, Home and garden equipment

Number of Employees

>1 100 (2020)

Revenue

>322 million € (2020)

System environment

- SAP ERP 6.0, SAP BW

Reference

- Martin Deák, IT Director