

Conversion and modernization of SAP systems

SAP BW to SAP BW/4HANA and SAP BPC to SAP BPC for SAP BW/4HANA version

Situation

- The existing SAP BW data warehouse on Oracle 19 DB and SAP Business Planning and Consolidation (BPC) were running on version 7.5, which is no longer supported, increasing the risk of unavailable fixes and OS incompatibility
The solution did not meet the performance requirements and expectations of business users
- A project to convert SAP ERP to SAP S/4HANA is planned, and it is necessary to reduce the workload of key users for upcoming project activities
- The customer has been operating a 20-year-old system that has undergone multiple upgrades and still contains legacy data flows

Challenges

- Complex task: Propose a migration approach, execute the migration of SAP BW and BPC to SAP BW/4HANA, and ensure the full functional scope of the new system
- Redesign APDs to Transformations
- First deployment of SAP HANA DB for user-facing systems at Prague Airport – technological validation of HANA migration on a non-critical system and comparison of actual database compression versus estimates provided by expert tools
- New tools for query design and load monitoring, without the need for SAP GUI

Solution

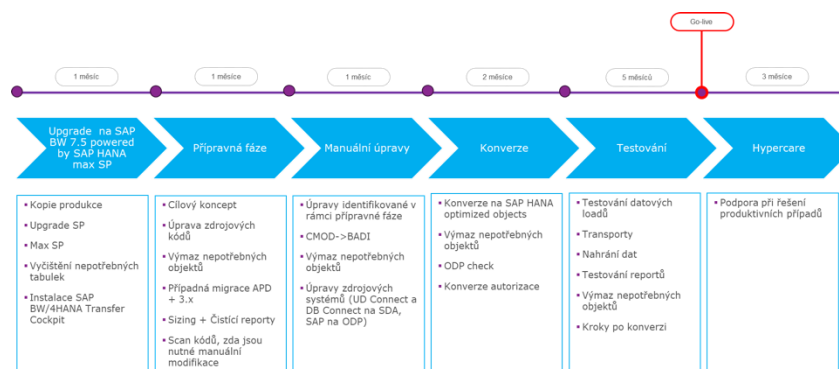
- Agreement on the optimal strategy for the solution approach using so-called Shell Conversion
- Division of the conversion into thematic blocks
- Execution of the conversion using the conversion tool
- Import of converted transports
- Data loading – historical, initial, and configuration of regular process chains
- Two-round testing – first by technical users, then by business users

Benefits

- Significant improvement in system response times for users depending on data aggregation and volume
- Acceleration of data loads, especially database operations such as data activation or updates
- New modelling capabilities and simplification of data flows
- A new space opens up for meeting business user requirements
- Cleanup of unused areas and objects, resulting in better user interaction
- Integration with other systems (e.g. MS Power BI)

Future plans and development

- Migration of SAP ERP to S/4HANA and integration of new extractors within S/4HANA
- Implementation of the SAP Group Reporting consolidation tool
- Migration of SAP BPC to SAP Analytics Cloud (SAC)
- Integration with SAP Datasphere



Industry

Aviation

LoB

Data Warehousing and Business Intelligence (BI)

Customer

Letiště Praha, a.s.

Headquarters

Prague, Czech Republic

Products and services

Operation of Václav Havel Airport and related commercial activities (rental of POS, parking lots, etc.)

Number of employees

>2 700

Revenue

>7,8 billion CZK (2023)

System environment

SAP NW BI and BPC 7.5

- SAP ERP ECC 6.0
- SAP Business Objects BI

Reference

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