



Delivery Reference of DWH Migration to New HW for Raiffeisenbank

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Implementation Date: 2021-2022



RBCZ decided to outsource the integration and optimization of all HW and SW components to run the RBCZ DWH solution, as the existing solution had reached its end of the support cycle. On the basis of the successful tender procedure, the project was established between the RBCZ and GEM System, the aim of which was the complete implementation of the migration of the existing Raiffeisenbank data warehouse to new hardware and upgrade the Oracle database running environment to the latest stable version. Based on the customer's requirements, GEM System had the role of integrator on the project, and was fully responsible for the project implementation, consulting and management activities, and delivery of expert capabilities.

✓ Solution Description



HPE Superdome for migration of existing RBCZ data warehouse, which was delivered to two used data centres. New HW is ready to run mathematically sophisticated computing operations and suitable for deployment of Oracle or SQL applications. Red Hat operating system is installed on both sites Enterprise Linux. In terms of software, it was necessary to install HPE Foundation Software ISO Image for HPE Superdome Flex Servers Family. Within the virtualization was used Linux Solution description

virtualization tool Kernel-based Virtual Machine (KVM). Another implementation was the expansion of the disk array from Hitachi G600 to Hitachi G5500. In terms of the database, a DB upgrade was performed from Oracle 12 to Oracle 19 including performance optimization corresponding to KPIs specified in the documentation. According to the agreed project plan, a completely one-off migration was performed (including Oracle 19) of the production environment and test environments by using the Autoupgrade method.

About Raiffeisenbank

Raiffeisenbank (RBCZ) is a bank operating on the Czech market since 1993, which offers its clients and partners a wide range of modern products and services, rapid development online and personal services, an extensive branch network and, last but not least, an international background, traditional, stable and capital-intensive financial group. With this move, the Group has strengthened its role as a Raiffeisenbank on the Czech financial market, where it ranks among the largest domestic banks.



Technologies Used

RHEL, Kernel-based Virtual Machine (KVM), Oracle DB (verze 12 a 19)



Integration and Development



Business Intelligence



Safety



Administration and Support

