

IT service provider chooses PRIMEQUEST and PRIMERGY for virtual data center

KDN municipal IT service providers in North Rhine-Westphalia centralize SAP services



» The SAP IT landscape offers everything we were looking for to serve our customers – high availability, performance and flexibility, optimal use of resources and efficient operation. «

Alfred Meinerzhagen, Deputy Managing Director, KDN-Dachverband kommunaler IT-Dienstleister

→ The challenge

Implementation of a new SAP solution – system environment based on SAP® NetWeaver™ technology and mySAP ERP 2005 that permits non-disruptive deployment of additional SAP functionality at any time

Business continuity – ongoing availability of SAP services for KDN customers

Maximum data security – catastrophe-resistant storage solution for SAP production

→ The solution

KDN's member IT providers are committed to the use of best-of-class IT. And that explains why KDN turned to Fujitsu Siemens Computers when it adopted **New Public Management accounting guidelines with SAP® NetWeaver™** and almost every single component of **mySAP ERP 2005** (ECC 6.0). The solution is based on innovative **PRIMEQUEST** system architecture and high-performance 64-bit Intel® Itanium® 2 processors. KDN also opted for **PRIMERGY** servers with Dual Core and Quad Core Intel® Xeon® processors in combination with FibreCAT CX3 storage systems. The advantage for KDN is that it can make optimal use of its operational experience and expertise and offer customers exceptionally cost-efficient operation with Linux® throughout the entire 3-tier SAP IT landscape. Plus a scalable, failsafe SAN for the flexibility required to boost performance at any time.



An umbrella association of municipal IT service providers created in 2004, KDN provides its members with future-oriented IT services. The overall goal of the association's members – municipalities, regional authorities and their data centers – is to achieve optimum IT quality and economy and at the same time improve efficiency. More at: www.kdn.de

→ Solution components

- Migration to New Public Management accounting standards using SAP NetWeaver
- PRIMEQUEST 540 with Dual Core Intel® Itanium® 2 processors; PRIMERGY RX300 S3 with Dual Core and Quad Core Intel® Xeon® processors
- OS: SUSE Linux Enterprise Server 9
- Catastrophe-resistant storage environment: FibreCAT CX3 at two locations, synchronous data mirroring with MirrorView using DWDM
- Remote location: PRIMEQUEST and PRIMERGY

→ Customer benefits

- Significantly lower operating costs due to industry-standard infrastructure components and homogeneous resources
- Single operating system for the entire SAP IT infrastructure
- Business continuity
- Secure customer environments
- Catastrophe-resistant data storage
- Exceptional scalability and flexibility
- Lower expense for maintenance and administration

→ The project

KDN acts as the systems integrator for its members and assumes complete responsibility for ongoing enhancement of the quality and economy of municipal IT services. As a result, reliability and future-safe technology are KDN's top priorities. After two KDN members, Gemeinsame Kommunale Datenverarbeitung (GKD) Rhein-Sieg/Oberberg and the City of Hagen, decided to introduce New Public Management accounting guidelines with SAP NetWeaver, it was in the interest of all parties involved to take advantage of the experience acquired in the area of the deployment of 3-tier SAP IT-landscapes. And it was Fujitsu Siemens Computers that provided KDN with the roadmap for the planned undertaking. Working together with experts from our SAP Competence Center and the Enterprise Server Business area, KDN was able to develop a global custom solution: Based on the use of 64-bit technology throughout, KDN is able to run the entire SAP IT infrastructure – including development, quality control and production systems – on SUSE Linux Enterprise Server. In addition, industry-standard technology has been used to meet all requirements in terms of business continuity, security of individual customer environments and flexible scalability of capacity. Examples of this technology include high-performance Intel processors coupled with advanced PRIMEQUEST system architecture and PRIMERGY servers for application services. KDN opted for failsafe PRIMEQUEST system architecture for its SAP and database operation because this offers flexible and scalable configuration possibilities plus mainframe-level performance driven by Intel Itanium 2 processors. The solution also guarantees high data availability through the use of FibreCAT CX3 storage systems installed at two locations approximately 30 kilometers apart with synchronous mirroring of data to the remote system with MirrorView using DWDM.



PRIMEQUEST 540 with Dual Core Intel® Itanium® 2 processors;
PRIMERGY RX300 S3 with Dual Core and Quad Core Intel® Xeon® processors

→ A record of success

"The solution offers us excellent availability functions with PRIMEQUEST, maximum flexibility to meet increased performance requirements with PRIMERGY servers on the application side and a high-performance, failsafe storage environment," says Alfred Meinerzhagen, a member of the KDN management team. "To top it all off, we have a Linux operating system for the entire SAP platform. That gives us a completely homogeneous solution based on industry standards that lets us offer our customers significant cost benefits in the area SAP operation." KDN was so impressed by the many benefits that it has already expanded its SAP IT infrastructure. A successful combination of PRIMEQUEST and PRIMERGY servers under SUSE Linux is now used as a second installation powering KDN's virtual data center.

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