



KEY HIGHLIGHTS

SECTOR: FINANCIAL SERVICES



**CHALLENGES**

More effective utilization of computer capacity and reduction in IT costs. Use of virtual computers for testing and evaluation purposes.

**SOLUTION**

Server consolidation with VMware ESX, replacement of old hardware through migration solutions (P2V). Moreover, faster deployment and greater server capacity.

**VMWARE IN APPLICATION**

- VI 3 Enterprise 513x2 CPU licenses

**INSTALLATION DETAILS**

- Server Hardware: HP DL580 G4 and G5 IBMBladesL541
- Storage Hardware: HP EVA 8000 HDS USP-V
- Operating systems: Windows NT Windows 2003 Server Linux
- Virtualized software: In-house developments, Microsoft, Oracle, IBM Lotus Domino

*“The VMware TAM program is both profitable and beneficial for a large company such as Finanz Informatik. Through its detailed insight into a company, the TAM program can provide a better VMware-internal picture of the impact a problem is having on a customer.”*

Ralf Albers, Team Leader for Server Virtualization at Finanz Informatik.

## Finanz Informatik

As a full-range supplier, Finanz Informatik (FI) provides a wide scope of applications and services for the effective and efficient execution of Sparkassen Finanzgruppe banking transactions. In order to assure timely and flexible deployment, it enables in-house development and gets market partners involved and integrated. Market and network partner applications can be integrated via standardized access through the appropriate interfaces.

Together with a 100% subsidiary, Finanz Informatik has four data centers at its command. There were software applications at these centers that could only be run by Windows NT, yet they were essential. That’s why the Windows Server System team worked out a concept to provide these applications virtually. Various virtualization products were evaluated within a framework project, and the VMware ESX Server was selected as the best solution. A counter/pay window application used for self-service devices, bank-statement printers and cashier work was tested in this context. The further use of business-critical applications is thus assured.

Since 2008, all of the individual Sparkassen servers, among others, have been virtualized. The data center thereby runs at higher capacity, and it is much easier to ensure failure resistance. By deploying the VMware Converter (P2V), we can very easily and quickly replace old hardware with a minimum of downtime.

The VMware TAM (Technical Account Manager) helps those responsible evaluate the concepts created. The TAM supports their strategy in the form of product-roadmap workshops and architecture reviews. The TAM produces extremely valuable and helpful contacts for support, for the development department and for product managers, so that issues can be quickly and directly addressed.

## Results

- Synchronization of FI strategy with VMware product strategy through the TAM
- More than 2,000 virtual machines running in the production environment
- Approx. 500 virtual machines running in the test and evaluation environment
- In the production environment the consolidation rate is 1:10-1:20, in the testing environment 1:50.