

Logistics provider with high-availability solution from Fujitsu Siemens Computers:

## PST Ostrava deploys x10sure to achieve maximum reliability

» With x10sure, we no longer have to worry about a sudden performance breakdown in our data center. We now have a strong high-availability solution that is also economical. «

Rudolf Maly, Managing Director, PST Ostrava

### → The challenge

**Operational efficiency for server farm** – significant improvement in the level of reliability of heterogeneous company applications through high-availability management capability

**Centralized storage** – expansion of project scope to include consolidation of storage resources

**Convenient administration and economy** – exceptionally attractive solution in terms of initial installation, ongoing administration and financial commitment

### → The solution

PST Ostrava is a logistics provider that relies on its IT system and core applications to ensure on-time delivery and avoid delays in the services it performs for customers located throughout the Czech Republic. However, the company had had problems with server failure in the past and therefore had to invest in reliable IT resources. PST Ostrava decision-makers opted for the **x10sure high-availability solution from Fujitsu Siemens Computers** as an intelligent and economical alternative to conventional cluster technology. Partnering with CS21 Nextnet, the company's IT systems integrator, PST Ostrava then implemented a new infrastructure solution based on PRIMERGY rack servers and a FibreCAT storage system. The new data center now features an exceptionally high level of reliability and efficiency. x10sure functions as a "troubleshooter" that monitors operation of Windows applications and automatically restarts the respective Windows images on a replacement server in the event of a hardware failure.



**PST Ostrava a.s.** is a leading Czech logistics provider with a workforce of approximately 180 employees. In addition to offering conventional transport and shipping services, the company maintains strategically located logistics and warehousing facilities in major centers such as Prague, Brno and Melnik. PST Ostrava is also present in all larger urban centers in the Czech Republic. More at: [www.pst-clc.cz](http://www.pst-clc.cz).

### → Solution components

- x10sure high-availability solution
- 5x PRIMERGY RX200 S4 rack servers
- Storage: FibreCAT SX80
- Operating system:  
Microsoft® Windows® 2003 R2 Standard
- Software:  
Microsoft® Exchange 2007, Helios, Karát, Tris
- Database:  
Microsoft® SQL Server 2005 Standard

### → Customer benefits

- Improved system performance
- Maximum server availability
- Failsafe IT environment
- Centralized data administration
- Automated processes in the event of a hardware failure
- No need for ongoing maintenance or operator intervention
- Low initial investment

### → The project

As a logistics provider, PST Ostrava is extremely dependent upon reliable operation of its IT infrastructure. An IT outage would have severe consequences since data would no longer be available for business-critical logistics systems such as shipment, warehousing, fleet management and routing. The company had already had such an experience when its servers were down for several days in the year preceding the project launch. This gave the company's IT decision-makers even more reason to revamp the existing IT infrastructure. From the very beginning, the benchmarks set in terms of data security and availability were very high. After all, the company's goal was to achieve effective protection. IT management then examined scenarios based on both virtualization and cluster technology. However, consultation with Fujitsu Siemens Computers and CS21 Nextnet led to another option that held much more promise from the point of view of PST Ostrava – x10sure. This high-availability solution immediately appealed to PST Ostrava management since x10sure offered business continuity – without a major financial commitment, but with maximum potential. The high-performance background for the new PST Ostrava data center is based on a configuration consisting of five PRIMERGY rack servers that feature a convincing combination of long service life, top performance and outstanding efficiency. In addition, a FibreCAT SX80 system was chosen for central storage. The benefits of the latter include high reliability, redundant design, speed and, last but far from least, easy deployment.

### → Project partner



### → A record of success

PST Ostrava now benefits from an IT infrastructure that features exceptional reliability. "Downtime has been significantly reduced, as have administration and operating expense," says the company's Managing Director Rudolf Maly. The extremely efficient IT environment can easily handle operation of a large number of heterogeneous applications, user services, ERP processes and logistics systems, all of which are monitored and controlled by x10sure. In addition, deployment of this high-availability solution and the use of PRIMERGY rack servers also made it possible to achieve substantial consolidation of the server landscape. The FibreCAT solution now also gives PST Ostrava a central storage system.

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