

# T-Systems Relies on MySQL

T-Systems is a leading German full service provider of information and telecommunications technology. In addition, T-Systems is one of the top system integration companies.

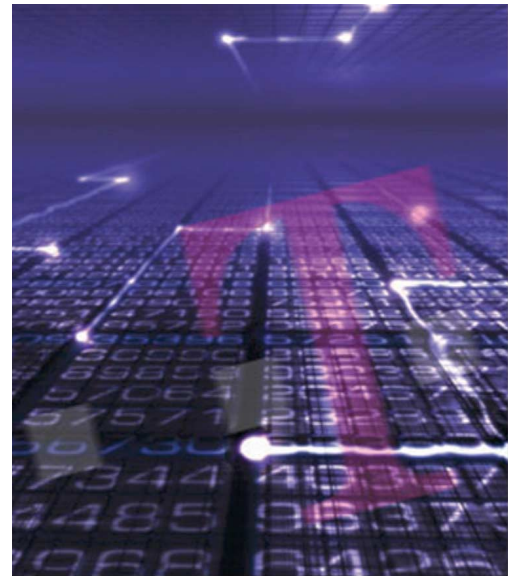
Building upon decades of industry experience and technical knowledge, T-Systems develops custom solutions enabling organizations to maintain a competitive advantage. T-Systems Integration has been relying on MySQL as the database management system for these solutions since 1996.

Westfalia, a specialized mail order house for over 80 years, is well known as a reliable provider of tools, entertainment electronics, household and garden products, pet accessories, and more. They hired T-Systems because of their extensive experience.

T-Systems Integration used MySQL to develop a web front-end and a back-end order processing application for Westfalia Werkzeugco. GmbH. In addition, T-Systems migrated the database behind their existing Customer Management System, from Oracle to MySQL.

The website [www.westfalia.de](http://www.westfalia.de) relies on 11 MySQL Servers, deployed on 4 machines. The Web application processes an average of 170,000 queries per hour, and serves approximately 7.3 million page views per month. The site receives about 400,000 visitors each month.

T-Systems Integration teamed up with Marketing Factory Consulting GmbH (MFC) for the migration project. MFC's areas of expertise are Web applications around specialized products for service providers and sellers of branded products. The design, development, and marketing of Portals is also one of their core competencies.



**T** · Systems ·

*"The extremely low cost and the very easy administration of MySQL were important criteria in the decision making process"*

**Olaf Doernenburg**

Project Manager

T-Systems Integration

## Transactions with MySQL's InnoDB

The MySQL Database Server architecture makes it extremely fast, easy to install, and customizable. The clear separation of the server kernel from the storage engine makes it possible to develop both full featured transactional applications or very fast read-only applications – depending on what is needed in a particular situation.

Westfalia has implemented TYPO 3 as their Customer Management System. T-Systems replaced Oracle 8i with MySQL in the Westfalia customer management system. For T-Systems, there were several key reasons for selecting MySQL.

- ◆ High performance and extraordinary stability
- ◆ Low cost and the ease of administration
- ◆ Logical replication using a master/slave architecture

The applications at Westfalia use MySQL to capture and process product, customer, and order data, as well as statistical data. The entire size of the database is 8.6 GB. The InnoDB storage engine is used to process all transactional operations.

Another key factor for choosing MySQL was its small footprint and minimal resource requirements.

*“Also the availability of experienced developers and the availability of professional support influenced our decision”*

**Olaf Dörnenburg**  
Project Manager  
T-System Integration

*“MySQL distinguishes itself through high-performance, extraordinary stability, and minimal demands on system resources”*

**Olaf Dörnenburg**  
Project Manager  
T-System Integration



The website www.westfalia.de receives about 400,000 visitors each month.

# Why Leading Organizations are Running MySQL

The low licensing costs and the ease of administration also played an important role in choosing the database management system.

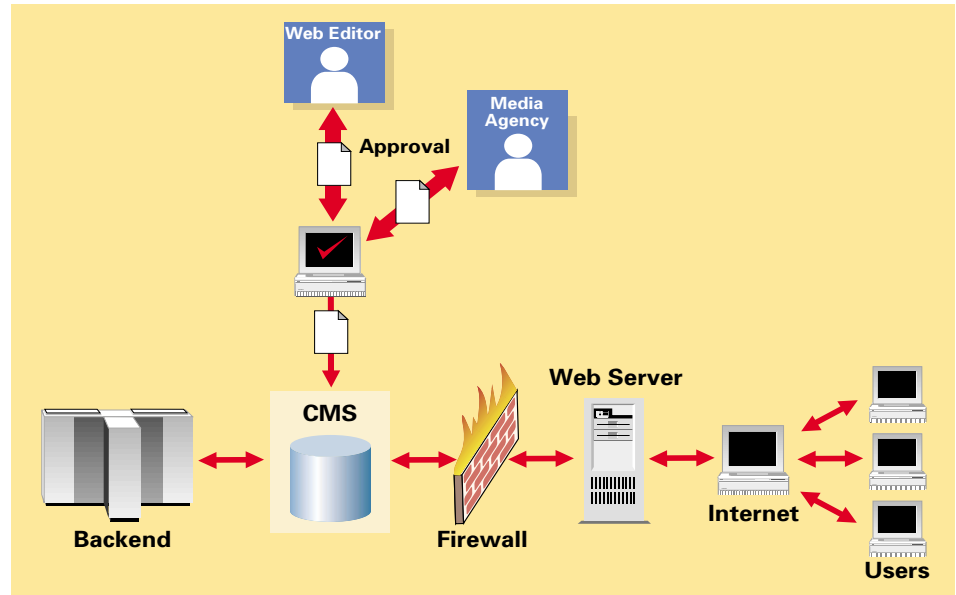
“T-Systems as the primary contractor, as well as our partner MFC, and the customer Westfalia are extremely pleased with the performance of MySQL”, said Dörnenburg.

The Web application processes an average of 170,000 queries per hour, and serves approximately 7.3 million page views per month. The site receives about 400,000 visitors each month.

## MySQL Significantly Reduces the Database Costs

MySQL reduces the Total Cost of Ownership (TCO) of database software by:

- ♦ Reducing database licensing costs by over 90%
- ♦ Cutting systems downtime by 60%
- ♦ Lowering hardware expenditure by 70%
- ♦ Reducing administration, engineering and support costs by up to 50%



Westfalia relies on 11 MySQL Servers, deployed on 4 machines to run their Web and Customer Management infrastructure.

MySQL is known as an ideally suited database for Web applications. At Sony in Stuttgart, MySQL has proven itself, one more time as a highly stable and reliable database for accessing large amounts of data in business critical environments. Additional important criteria for Sony included the availability of Full Text Search and the Platform Independence.

MySQL AB develops and markets a family of high performance, affordable database servers and tools. The company's flagship product is MySQL, the world's most popular open source database, with more than 5 million active installations.

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*To be really efficient, the database must not only have low licensing cost, but also reduce administration and operations cost which contribute to the total cost of ownership.*



## Technical Environment

A typical MySQL configuration:

<i>OS:</i>	SuSE Linux 8.1
<i>CPU:</i>	2.4 GHz Intel Xeon
<i>RAM:</i>	2 GB
<i>Hard Disk:</i>	73.4 Gb RAID 1 and a SCSI Raid Controller
<i>Database:</i>	MySQL Server
<i>Web Server:</i>	Tomcat
<i>Language:</i>	Perl
<i>Database Size:</i>	◆ 8.6 GB ◆ 1.7 million rows ◆ 136 Tables

## About MySQL

Many of the world's largest organizations, including Yahoo!, Sabre Holdings, The Associated Press, Cox Communications and NASA, are realizing significant cost savings using MySQL to power Web sites, business-critical enterprise applications and packaged software.

MySQL AB is a second generation open source company, with dual licensing that supports open source values and methodology in a profitable, sustainable business.

For more information about MySQL, please go to [www.mysql.com](http://www.mysql.com).



The World's Most Popular Open Source Database

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