Aastra Telecom Schweiz Delivers Highly Reliable Telecom Equipment using *MySQL*

Aastra Telecom Schweiz AG, located in Solothurn, Switzerland is a leading provider of modern IP communications solutions across Europe. Aastra develops a comprehensive set of products including communications servers, gateways, telephone terminals, VoIP endpoints and advanced software applications for building and accessing communication networks. Aastra addresses the needs of both small and medium sized businesses, as well as large mission-critical enterprise environments with multiple networked locations.

Stability and reliability of hardware components and software applications are critical success factors in the Telecommunications Industry. MySQL delivers the stability, reliability, and performance that Aastra demands to provide enterprise communications solutions. Aastra Telecom Schweiz has been embedding MySQL in their Open Interfaces Platform (OIP) since 2003 and it is deployed in over 5000 installations across Europe.

"MySQL is extremely fast and stable under heavy load, which are critical success factors in the telecommunications industry."

Markus Günther
Software Project Manager
Aastra Telecom Schweiz AG

Extremely Fast and Stable

MySQL is embedded in Aastra's OIP which enables organizations to integrate software applications with telephone systems, giving customers direct access to Ascotel IntelliGate telephony functions from any workstation. For example, the OIP has been specifically designed to integrate with Microsoft Outlook, and offers an extensive range of screen based system options, such as:

- Call Manager to take, hold and transfer calls
- Message Manager to send text messages or emails to any internal phone extension
- Directory Manager for easy access to extension lists and speed dial numbers
- And more.

OIP provides additional benefits including excellent scalability, product support, and a broad ecosystem of 3rd party products and services.

By tightly integrating MySQL into OIP, Aastra eliminates any ongoing database maintenance requirements and makes user administration very easy. MySQL is deployed in over 5000 installations and has proven itself as an extremely stable and fast database - qualities that are of critical impor-

tance in the telecommunications industry.

In addition to providing a low administration database, Aastra Telecom Schweiz chose MySQL for the following reasons:

- Multiplatform support including support for Linux
- Excellent performance on commodity hardware
- Widely deployed by customers and ISV partners in production environments.
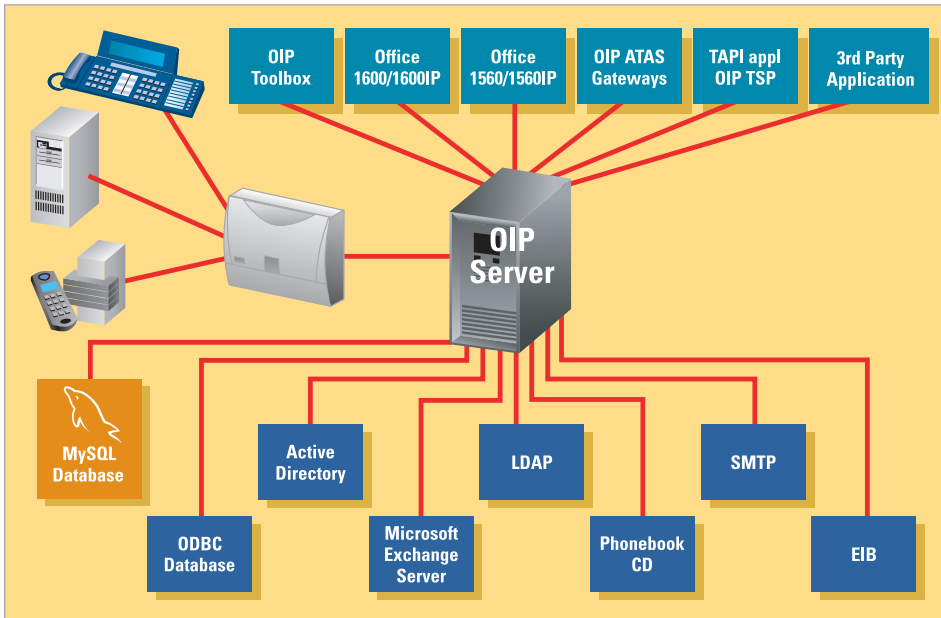- Endorsed by all Aastra Business Partners

"The primary database evaluation criteria were speed, price/performance and platform independence. MySQL was the clear winner and was an ideal match for integration with with OIP."

Bernd Jobes
Project Manager
Aastra Telecom Schweiz AG

Interoperability of Many Components

System environment of the PBX middleware OIP

OIP abstracts different Aastra PBX components and exposes their application interfaces as objects to developers. As a result, individual external hardware and software components can easily connect to other OIP components. Therfore, it is possible for any component to access any other component regardless if it is on the same server or on another system, which is important for large organizations with multiple networked locations.

The interoperability of the multiple OIP applications is enabled using a well defined interface structure and is secured using CORBA. All external components are connected to the entire platform using Connectors. Also connecting to commonly used resources, including the MySQL database server, is handled using Connector/J.

"By integrating MySQL, we can provide a fast and stable database environment for our product while minimizing development effort. The simplicity of JDBC and the use of Regular Expressions directly in the database is of particular importance to us. This functionality, as well as high-performance, are essential for our product to be successful."

Markus Günther
Software Project Manager
Aastra Telecom Schweiz AG

Technical Environment

Hardware:	x86 environment
Operating System:	Windows 2000/XP/2003
RAM:	1 GB
Database:	MySQL Database Server 5.0
Database Size:	■ up to 100 MB
	■ 40 tables
	■ up to 100,000 rows per table
Queries:	up to 10,000 per hour
Users:	up to 2,000 per system
Language:	Java
Connector:	Connector/J
Web Server:	Tomcat

About MySQL

MySQL AB develops and supports a family of high-performance, affordable database products. The company's flagship offering is 'MySQL Enterprise', a comprehensive set of production-tested software, proactive monitoring tools, and premium support services.

MySQL is the world's most popular open source database software, with over 10 million active installations. Many of the world's largest and fastest-growing organizations use MySQL to save time and money powering their high-volume Web sites, business-critical systems and packaged software -- including industry leaders such as Yahoo!, Alcatel, The Associated Press, Suzuki and NASA.

With headquarters in the United States and Sweden -- and operations around the world -- MySQL AB supports both open source values and corporate customers' needs in a profitable, sustainable business.

For more information about MySQL, please visit www.mysql.com

The World's Most Popular Open Source Database