

# Case Study

## Software and Internet Business



## Time and cost saved and efficiency improved

**Service Type:** Advanced SQL Training | Performance Optimization and System Monitoring & Maintenance

**Duration:** 50 Hours

**Summary:** A training period including 30 hours over performance optimization and 20 hours over system monitoring and maintenance was requested by a software company. The training topics covered and side effects studied.

### Requirements

A software company was an owner of a dispatching web portal with ~6,000 requests per second written by ASP.NET and MS SQL Server.

Although their technical team was good in SQL Server, they

## Why SQLMax?

### EXPERIENCE

- 1,900+ SQL Jobs, Stored Procedures, Functions and SSIS Packages Tuned
- 100+ DBAs and Developers Have Relied on Our SQLMax Library
- 400+ Consultations Performed
- 40+ Databases Designed and Developed

### SOLUTIONS

- Complete Set of SQL Server-Focused Solutions
- Comprehensive Technical Coverage

### SUPPORT

- Full-time Services: 365\*7\*24
- Dedicated Account Managers
- World-Class Customer Service

### OUR TEAM

- Experienced & Knowledgeable Dedicated Team
- Clear Focus on MS SQL Server
- 100% US-Based

### PROCESSES

hired us to have on-site training period including 30 hours over tuning and performance optimization and 20 hours over system monitoring and maintenance.

## Approaches

We considered 15 training sessions covering these topics

### Tuning and Performance Optimization (10 sessions)

- Application Data Layer Analysis
- Optimal Data Modeling
- Optimal Database Design
- Rewriting Queries (Organic Optimization)
- SQL Execution Plan Analysis
- Indexes and Statistics
- Transaction Analysis
- Query and Table Hints
- Retrieved Data Analysis

### System Monitoring & Maintenance (5 sessions)

- Performance measurement
- Ultimate performance & major indicators
- 69 most important Windows performance counters
- Indicators acceptable values and thresholds
- Best monitoring tools & pros and cons
- Case study

## Situations

The training duration was not that long to cover all details and we needed to review and select the most effective topics regarding the team weak areas.

## Results

- Training subjects covered
- Side effects of methods explained
- Team's questions answered
- 11 challenges of their current issues as real samples analyzed and tuned

## Benefits

- Time and cost saved and efficiency improved on performance optimization and system monitoring &

- Clear Work Flow
- Customizable Service Level Agreements (SLAs)
- Transparent Terms & Conditions
- At Will Contracts Termination

## SECURITY & CONFIDENTIALITY

- Customer Data Security Made by Most Advanced Technologies
- Customer Information Confidentiality

## CUSTOMER SATISFACTION

- 80% Repeat Businesses
- Customer Satisfaction Gaurantee
- Free Cost/Time Estimation
- Free Initial Consultation

maintenance

- End-users experimented an more efficient website
- Great care signal from the management sent to attendees of training sessions

**Database Designer & Architect**

“Our previous knowledge updated and new techniques added. The training topics were very organized and deep. It increased the expertise level of our team several times more.”