

## 《SQL Server 2008 高级培训》

### ■ 培训特点

- **培训方法独特** 祝成科技软件开发培训组有一组独特的教学方法即深入的原理剖析+实际的企业应用案例，剖析软件平台架构、分析软件开发技术。根据以前授课经验，这种教学方法得到了企业开发人员的热烈响应。
- **内容编排科学、实用** 课程是讲师多年企业应用开发、设计理论与实践经验的总结与提炼、并针对企业客户的特殊要求进行专门设计，非常适合有经验的企业学员。
- **分析透彻、深入** 该课程不是泛泛介绍与堆砌各种开发与设计技术，而是建立在讲师对企业级软件开发技术所具有的特点、分析与设计的深刻理解之基础上。根据以前的授课经验，学员普遍反映效果非常好。
- **注重案例，注重架构** 学习企业级软件开发技术的关键在“应用”，本培训通过丰富的案例教学，剖析常见的企业开发应用模式，帮助学员更好地掌握进行企业级应用程序开发时所涉及到的设计方法、模式与架构。
- **专家名师讲授** 祝成科技软件开发培训中心拥有一支高素质的软件开发培训专家队伍，尤其在.NET、C++、Java 等领域，祝成科技有着全国第一流的师资，在中国软件开发培训界享有极高的盛誉，并经常被微软 Tech • ED、Intel 公司、中国软件开发大会邀请进行技术演讲。中心保证派出去的全部是全国知名的讲师。赢得了包括 Microsoft、HP、SAP、西门子、柯达、Bosch、Symantec、eBay、Computer Associates、3M、佳能、ABB、宝钢等世界 500 强公司在内的众多著名企业客户的赞誉。

### ■ 培训大纲

#### Module 1: Introduction to SQL Server 2008

- SQL Server Platform Vision

This module describes the SQL Server 2008 platform vision and describes the new features added to SQL Server 2008.

- Enterprise Data Platform

This module describes the enhancements in the SQL Server Enterprise Data Platform. Topics covered include High Availability Enhancements, Hardware Support, Secure Data Features, Policy based management and System Auditing Enhancements.

- Dynamic Development

This module walks students through the development enhancements of the SQL Server Database

Platform. Topics covered include the .NET Platform integration as well as the capability to build data synchronizing applications using the .NET Compact Framework 3.5 and the .NET Entity Framework.

- Beyond Relational

This module describes new features that go beyond the relational engine, available in SQL Server 2008. Topics covered include the FILESTREAM storage, extensions to working with user defined types, and database enhancements that include new data types such as data/time data.

- Pervasive Insight

This module describes new SQL Server 2008 features for Business Intelligence. Topics covered include the new Report Designer, integration with Virtual Earth and Location data tracking, enhancements to Analysis Services as well as new features in Integration Services.

## **Module 2: SQL Server 2008 Manageability Enhancements**

- Configuration Servers
- Policy-Based Management

**Lab :** Managing SQL Server 2008

- Creating a Configuration Server
- Creating and Applying a Policy

## **Module 3: SQL Server 2008 Performance Enhancements**

- Managing Workloads with Resource Governor
- Monitoring Performance with the Data Collector
- Managing Performance with Plan Freezing

**Lab :** Optimizing SQL Server 2008

- Using Resource Governor
- Using the Data Collector

## **Module 4: SQL Server 2008 Security Enhancements**

- Encrypting Databases
- Auditing All Actions

**Lab :** Securing a SQL Server 2008 Database

- Using Transparent Data Encryption

## **Module 5: SQL Server 2008 Database Development Enhancements**

- Developer Tool Enhancements
- Data Type Enhancements
- Working with Spatial Data

**Lab :** Developing Databases with SQL Server 2008

- Using Date and Time Data Types
- Using Spatial Data

## **Module 6: SQL Server 2008 Availability Enhancements**

- Always On Technologies
- Transactional Peer-to-Peer Replication

### **Lab : Maintaining High Availability**

- Configuring Peer-to-Peer Replication
- Adding a Replication Node

## **Module 7: SQL Server 2008 Data Warehousing Enhancements**

- ETL Enhancements
- Using Partitioned Tables
- Optimizing Data Storage

### **Lab : Data Warehousing with SQL Server 2008**

- Using Change Data Capture
- Using the MERGE Statement
- Working with Partitioned Data

## **Module 8: SQL Server 2008 Reporting Services Enhancements**

- Reporting Services Architecture and Management
- Authoring Reports
- Report Processing and Rendering

### **Lab : Using SQL Server 2008 Reporting Services**

- Creating a Report with Report Designer
- Managing Reporting Services

## **Module 9: SQL Server 2008 Analysis Services Enhancements Lessons**

- Multidimensional Analysis with SQL Server Analysis Services
- Data Mining with SQL Server Analysis Services

### **Lab : Using SQL Server 2008 Analysis Services**

- Implementing Multidimensional Analysis
- Implementing Data Mining