



Course Summaries

Data Management

Advanced Training

SolidQ offers instruction worldwide, providing solid, cutting-edge training, led by quality industry experts. Our Private Training is surprisingly affordable for as few as two or three students. When you weigh the time, money, and value allocated to a custom private training experience you'll find that private classes can maximize your investment.

Project Delivery

Do it right the first time. SolidQ delivers customized client solutions applying best practices and leveraging lessons learned and a full understanding of product roadmaps. A focused team of our worldclass experts develops more effectively and with less rework to assure timely project success at an overall lower total cost to develop.

Expert Mentoring

SolidQ provides solid client support and quality technical consulting. While blending hands-on mentoring with remote technical support, SolidQ enhances the traditional consulting experience by becoming a key part of your company's team and generating sustainable best business practices.



Design

Data Modeling Essentials

3-Day (SQ-DMODESS-301-EN)

A good application starts with a good database design. Data is nowadays the most important assets of a company. In our high competitive world, it is an advantage if decisions are supported with timely information from the data. However, low quality of data leads to unreliable information. This seminar is a high-end course, intended for SQL Server and other RDBMS professionals, including solution architects and IT managers. The course introduces all modern data models, including relational, dimensional and object-relational. Data quality issues are covered as well. During the course, many design myths are going to be revealed.

DBA

Microsoft SQL Server Performance Tuning Bootcamp

5-Day (SQ-PERFTUN-401-EN)

This intensive bootcamp is designed to give attendees a broad look at the performance tuning concepts and methods found in SQL Server 2005 and SQL Server 2008. This course will prepare the SQL Server DBA for a transition to SQL Server 2005 or SQL Server 2008 while discussing best practices for a variety of performance topics that SQL Server DBAs face in their day-to-day job functions.

Microsoft SQL Server High Availability Bootcamp

5-Day (SQ-HABTCMP-401-EN)

This advanced, skills-based course covering SQL Server 2005 high availability (HA) solutions gives database administrators the advanced knowledge and hands-on experience necessary to design, implement, and administer effective, predictable HA solutions. The bootcamp, delivered by experienced SolidQ, gives database professionals advanced knowledge of HA solutions that goes beyond the information provided by introductory-level courses currently on the market. This course provides in-depth technical information about creating and implementing HA solutions, using both instructor-led lessons and practical, hands-on labs.

Development

Cloud Strategy for Architects

2-Day (DV-CLDARCT-301-EN)

Enterprise architects need to lead the development of a cloud strategy for their organizations. There are real cost and scalability advantages to cloud computing, but not all applications are a good fit. The Cloud Strategy for Architects two-day class will teach you how to select between public cloud and private cloud offerings, the benefits and costs of infrastructure as a service (IaaS), platform as a service (PaaS), and Software as a Service (SaaS), what is provided by cloud offerings from several vendors, including Microsoft, Google, and Amazon, how to choose between storage offerings and database offerings, and which applications are a good fit for the cloud and which should be left on-premise.

Windows Azure for Developers

4-Day (DV-DEVAZUR-301-EN)

Microsoft's Windows Azure platform provides reliable, massively scalable, cloud-based hosting for web applications and services. Windows Azure for Developers is a four day, hands-on class that will teach you the skills you need to be successful developing and deploying applications for Windows Azure, SQL Azure, and Windows Azure AppFabric. Over the course of four days, you'll learn how to deploy web applications and services in the cloud, how to store data in the cloud using Windows Azure Storage and SQL Azure, how to connect applications running on-premise and in the cloud using AppFabric Service Bus, and how to manage user identities using AppFabric Access Control. Hands-on labs will cement your understanding of each technology.

Advanced T-SQL Querying, Programming and Tuning for SQL Server 2005 & 2008

5-Day (SQ-ADVTSQL-402-EN)

The course focuses on writing and tuning queries and programming with T-SQL in SQL Server 2005 and 2008. Along the course you will learn how to use T-SQL to solve practical problems such as: Relational Division, Ranking, Missing and Existing Values, Separating Elements, Tie Breakers, Running Aggregations, Pivoting and Unpivoting, and many more. You will learn how to develop efficient routines including user defined functions, stored procedures and triggers, work in multi-user environments with transactions and isolation levels, and use dynamic SQL securely and efficiently. You will also learn how to maintain and query hierarchical data. The course provides a dedicated module focusing on query tuning. The module covers internals and index tuning, index access methods, temporary tables, set vs. cursors, and query tuning using query revisions. Moreover, query tuning is in the heart of this course and is incorporated in the different modules throughout the course. With each querying/programming problem the discussions will revolve around logical aspects, set-based vs. procedural programming and optimization of the solutions.

T-SQL

T-SQL Fundamentals

4-Day (SQ-FNDTSQL-201-EN)

This course is intended for T-SQL programmers, DBAs and SQL Server power users who have just started working with SQL Server and need to write queries and develop code using Transact-SQL, SQL Server's dialect of the standard ANSI-SQL language. The course will walk students through their first steps in querying, including retrieving and modifying data, and will also provide an overview of programmable objects supported by SQL Server. This course doesn't just focus on syntactical elements of T-SQL, rather, it explains the logic behind the language and its elements. The topics covered include: Background to T-SQL Querying and Programming; Single-Table Queries; Joins; Subqueries; Table Expressions; Set Operations; Pivot, Unpivot and Grouping Sets; Data Modification; Transactions; Overview of Programmable Objects. To complement the learning experience, students will be provided with exercises that will enable them to practice what they have learned.

Query Tuning for SQL Server 2000 & 2005

2-Day (SQ-QURYTUN-401-EN)

This seminar teaches you how to identify queries that need tuning and how to tune them. The seminar starts by describing in detail a query-tuning methodology developed by SolidQ and practiced in production systems. You will learn how to identify bottlenecks in the system and the processes or queries that need to be tuned. Once those are identified, the actual tuning process starts. The seminar covers in detail tools to analyze and tune queries, internal structures, index tuning, index access methods, index optimization scale, query revisions, preparing sample data, set-based vs. iterative solutions, and tuning examples.

Integration Services

SQL Server 2005 & 2008 Integration Services for Database Professionals

4-Day (SQ-ISDBA08-301-EN)

In the current marketplace, database administration (DBA) and data architecture skills need to go beyond just the maintenance and design of relational databases. The volume and complexity of data is always increasing and data professionals need to know how to integrate, maintain, and process data for varying purposes. This workshop prepares the database professional with the skills needed for applying SQL Server 2005 & 2008 Integration Services (SSIS) to enterprise DBA and data architecture tasks, including SSIS administration.

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