

sql server business intelligence development studio

SQL Server Business Intelligence Development Studio: Unlocking the Power of Data

sql server business intelligence development studio serves as a pivotal tool in the world of data analytics and reporting. It acts as the integrated development environment (IDE) specifically designed for building business intelligence (BI) solutions with Microsoft's SQL Server platform. If you've ever wondered how organizations transform raw data into meaningful insights, much of that magic happens within this powerful studio. It's where developers, analysts, and data professionals come together to create reports, build data models, and design data integration workflows that drive smarter business decisions.

In this article, we'll dive deep into what SQL Server Business Intelligence Development Studio entails, how it fits within the Microsoft BI stack, and the key functionalities that make it indispensable for data-driven enterprises.

Understanding SQL Server Business Intelligence Development Studio

At its core, SQL Server Business Intelligence Development Studio (BIDS) is a specialized environment based on Microsoft Visual Studio. It offers tailored tools for developing three main types of BI projects: Integration Services (SSIS), Analysis Services (SSAS), and Reporting Services (SSRS). Each of these components plays a unique role in the business intelligence lifecycle.

BIDS was originally introduced with SQL Server 2005 and continued through SQL Server 2008 R2. Starting from SQL Server 2012, Microsoft replaced BIDS with SQL Server Data Tools (SSDT), but many BI developers still refer to it by its original name, especially when discussing legacy systems or earlier SQL Server versions.

The Role of BIDS in the Microsoft BI Ecosystem

When organizations embark on a business intelligence journey, they typically engage with multiple layers of data processing:

- **Data Extraction and Transformation:** Bringing data from various sources and preparing it for analysis.
- **Data Modeling and Analysis:** Structuring data into cubes or tabular models to enable fast and flexible querying.
- **Reporting and Visualization:** Creating reports and dashboards to communicate insights to stakeholders.

SQL Server Business Intelligence Development Studio serves as the development hub where each of these layers is crafted. It integrates seamlessly with SQL Server components to create end-to-end BI

solutions.

Key Components of SQL Server Business Intelligence Development Studio

1. SQL Server Integration Services (SSIS)

SSIS is the data integration and workflow platform within SQL Server. Using BIDS, developers design packages that extract data from disparate systems, transform it according to business rules, and load it into target storage such as data warehouses. The visual drag-and-drop interface in BIDS makes it intuitive to build complex ETL (Extract, Transform, Load) processes without extensive coding.

Some powerful features of SSIS in BIDS include:

- Support for multiple data sources: relational databases, flat files, Excel, XML, and more.
- Rich transformation components like data cleansing, sorting, merging, and conditional splits.
- Control flow elements that manage task execution order, error handling, and looping.
- Integration with scripting languages (e.g., C# or VB.NET) to add custom logic.

2. SQL Server Analysis Services (SSAS)

Analysis Services allows you to create multidimensional OLAP cubes or tabular models that enable fast aggregation and complex calculations over large datasets. Within BIDS, developers define data sources, build dimensions, hierarchies, and measures, and deploy these models for use in analysis and reporting tools.

Key advantages of building models in BIDS include:

- Intuitive design environment for defining relationships and hierarchies.
- Ability to write MDX (Multidimensional Expressions) or DAX (Data Analysis Expressions) queries to perform sophisticated calculations.
- Support for incremental processing to efficiently update cubes with new data.
- Integration with Excel, Power BI, and other reporting tools for rich data exploration.

3. SQL Server Reporting Services (SSRS)

Reporting Services focuses on creating, managing, and delivering reports. BIDS provides report designers that enable you to build highly formatted, interactive reports connected directly to SQL Server or Analysis Services data sources.

Features of SSRS in BIDS include:

- A drag-and-drop layout designer for tables, charts, maps, and gauges.
- Parameterized reports that allow end-users to filter and customize displayed data.
- Support for exporting reports to various formats such as PDF, Excel, Word, and HTML.
- Integration with subscriptions and scheduling for automated report delivery.

How to Get Started with SQL Server Business Intelligence Development Studio

Getting started with BIDS is straightforward, especially if you have a background in Visual Studio. Here are some tips to help you begin:

1. **Install the Right Version:** BIDS comes bundled with SQL Server setup media for versions 2005 through 2008 R2. For later versions, look for SQL Server Data Tools (SSDT), which offers an updated experience.
2. **Familiarize Yourself with the Interface:** BIDS has a Solution Explorer, Toolbox, Properties window, and designers specific to each BI service.
3. **Start with Simple Projects:** Build a basic SSIS package or an SSRS report using sample data. This hands-on approach accelerates learning.
4. **Explore Templates and Samples:** Microsoft and community resources offer templates and sample projects that showcase best practices.
5. **Leverage Online Resources:** Forums, tutorials, and official documentation provide guidance for more advanced scenarios.

Best Practices for Development in BIDS

- **Version Control:** Integrate your BI projects with source control systems like Git or Team Foundation Server to track changes and collaborate efficiently.
- **Modular Design:** Break complex ETL packages or reports into smaller, reusable components.
- **Error Handling:** Implement comprehensive error logging and handling within SSIS packages to facilitate troubleshooting.
- **Performance Optimization:** Use indexing, aggregations, and caching strategies in Analysis Services models to improve query times.
- **Testing and Validation:** Always validate your reports and data transformations with real-world scenarios to ensure accuracy.

Why SQL Server Business Intelligence Development Studio Matters for Organizations

Organizations today generate massive amounts of data, but the true value comes from transforming this data into actionable insights. SQL Server Business Intelligence Development Studio empowers teams to do just that by providing a cohesive environment tailored for building scalable and robust BI solutions.

The tight integration with SQL Server means that data security, performance, and manageability are maintained throughout the BI pipeline. Moreover, the studio supports collaboration among business analysts, developers, and database administrators, fostering a unified approach to data strategy.

Additionally, because BIDS supports multiple BI facets—from data integration to reporting—it reduces the need for disparate tools and learning curves, enabling faster development cycles and quicker delivery of insights.

Transitioning from BIDS to Modern Tools

While BIDS has been a cornerstone for BI development, Microsoft's BI tools have evolved. SQL Server Data Tools (SSDT) and Azure Data Studio represent the modern successors, offering enhanced features, cloud integration, and improved user experiences. Nonetheless, understanding BIDS remains valuable for maintaining legacy systems and grasping foundational BI concepts.

For those migrating to newer platforms, knowledge of BIDS architecture and workflows eases the transition and helps in adapting to contemporary BI development environments.

Enhancing Your BI Projects with SQL Server Business Intelligence Development Studio

To truly maximize what you can achieve with BIDS, consider integrating it with other tools in the Microsoft ecosystem:

- **Power BI:** Use it alongside your SSAS models to create interactive dashboards and visualizations.
- **Azure Data Factory:** For cloud-based data integration pipelines complementing your on-premises SSIS packages.
- **SQL Server Management Studio (SSMS):** For managing and monitoring your SQL Server databases and BI deployments.
- **Visual Studio Extensions:** Extend BIDS capabilities through third-party add-ons and extensions tailored for BI development.

By combining these tools, you can build a comprehensive analytics infrastructure that scales with your organization's data needs.

The journey with SQL Server Business Intelligence Development Studio is one of continuous learning and discovery. Whether you're designing complex ETL workflows, crafting multidimensional data models, or building dynamic reports, BIDS offers a reliable foundation to bring your data projects to life.

Frequently Asked Questions

What is SQL Server Business Intelligence Development Studio (BIDS)?

SQL Server Business Intelligence Development Studio (BIDS) is an integrated environment based on Visual Studio used to develop business intelligence solutions such as reports, data models, and ETL packages for SQL Server Analysis Services, Integration Services, and Reporting Services.

Which versions of SQL Server include Business Intelligence Development Studio?

BIDS is included in SQL Server versions 2005, 2008, and 2008 R2. Starting with SQL Server 2012, BIDS was replaced by SQL Server Data Tools (SSDT).

Can I use Business Intelligence Development Studio for creating SSIS packages?

Yes, BIDS provides tools and templates to design, develop, and deploy SQL Server Integration Services (SSIS) packages for data extraction, transformation, and loading processes.

How do I install Business Intelligence Development Studio?

BIDS is installed as part of the SQL Server installation media. During setup, choose the client tools and select Business Intelligence Development Studio to install the environment.

Is Business Intelligence Development Studio still supported in the latest SQL Server versions?

No, BIDS is deprecated and replaced by SQL Server Data Tools (SSDT) starting with SQL Server 2012. It is recommended to use SSDT for current and future BI development projects.

What programming languages can be used within Business Intelligence Development Studio?

BIDS supports development primarily using SQL, MDX for Analysis Services, and scripting languages such as VB.NET or C# for custom code in reports and packages.

How do I debug SSIS packages in Business Intelligence Development Studio?

BIDS provides debugging tools like breakpoints, data viewers, and execution progress to test and debug SSIS packages during development before deployment.

Can I use Business Intelligence Development Studio to develop reports?

Yes, BIDS includes tools to create SQL Server Reporting Services (SSRS) reports, allowing you to

design, preview, and deploy reports to a report server.

What are the main components of Business Intelligence Development Studio?

The main components of BIDS are project templates and designers for SQL Server Integration Services (SSIS), Analysis Services (SSAS), and Reporting Services (SSRS) to build ETL processes, OLAP cubes, and reports respectively.

How does Business Intelligence Development Studio integrate with SQL Server Management Studio (SSMS)?

BIDS is focused on development of BI projects, while SSMS is used primarily for database management and querying. After developing BI solutions in BIDS, you can deploy and manage them via SSMS.

Additional Resources

SQL Server Business Intelligence Development Studio: A Comprehensive Review

sql server business intelligence development studio (BIDS) has long been a pivotal tool in the realm of Microsoft's data analytics and business intelligence ecosystem. Serving as an integrated development environment (IDE) specifically tailored for designing and deploying BI solutions, BIDS has enabled organizations to craft sophisticated data models, reports, and workflows that drive informed decision-making. This article delves deeply into the functionalities, evolution, and relevance of SQL Server Business Intelligence Development Studio, examining its place within modern BI workflows and how it compares with contemporary alternatives.

Understanding SQL Server Business Intelligence Development Studio

SQL Server Business Intelligence Development Studio originated as a Microsoft Visual Studio-based IDE designed to facilitate the creation of SQL Server Reporting Services (SSRS), SQL Server Integration Services (SSIS), and SQL Server Analysis Services (SSAS) projects. Essentially, BIDS provided developers and data professionals with a unified platform to build end-to-end BI solutions, from data extraction and transformation to data modeling and report visualization.

One of the key strengths of BIDS was its tight integration with SQL Server, allowing seamless deployment and management of BI projects within the Microsoft ecosystem. This synergy made it the go-to tool for enterprises invested in Microsoft SQL Server for their data warehousing and analytics needs.

Core Features and Capabilities

At its core, SQL Server Business Intelligence Development Studio offered several critical features that supported the development lifecycle of BI applications:

- **Project Templates for BI Components:** BIDS included specialized project templates for SSIS, SSAS, and SSRS, enabling developers to efficiently initiate and organize their work.
- **Visual Designers:** The IDE provided drag-and-drop interfaces for building ETL packages, designing data cubes, and authoring reports, reducing the need for extensive coding.
- **Debugging and Validation Tools:** BIDS integrated debugging support, allowing developers to test workflows and identify issues prior to deployment.
- **Integration with Source Control:** Being built on Visual Studio allowed BI developers to leverage source control systems to manage changes and collaborate effectively.
- **Deployment Wizards:** Simplified the process of publishing BI solutions to SQL Server instances.

These features collectively made BIDS a versatile tool for developing complex BI projects, especially in environments where SQL Server was the primary database platform.

The Evolution and Transition from BIDS to SSDT

While SQL Server Business Intelligence Development Studio was instrumental through the SQL Server 2005, 2008, and 2008 R2 eras, Microsoft eventually transitioned to a newer, more flexible development environment known as SQL Server Data Tools (SSDT). This shift was driven by evolving developer needs, the rise of cloud-centric BI solutions, and the desire for a more modular and integrated development experience.

SSDT expanded on BIDS's foundation by supporting the latest SQL Server features, integrating more closely with Visual Studio's evolving architecture, and enabling development for Azure-based analytics services. Unlike BIDS, which was a separate installation, SSDT could be installed as an extension within Visual Studio, streamlining the developer workflow.

This transition has led many organizations to migrate their BI development efforts from BIDS to SSDT, leveraging enhanced support for new data sources, improved debugging, and better integration with modern DevOps practices.

Comparing BIDS and SSDT

While BIDS and SSDT share many similarities, some distinctions influence which tool is more

appropriate for a given project:

- **Platform Support:** BIDS is limited to older SQL Server versions, whereas SSDT supports newer versions and Azure services.
- **Integration:** SSDT is embedded within Visual Studio (2015 and later), offering a more modern interface and development experience.
- **Feature Updates:** SSDT receives frequent updates and enhancements, while BIDS has been effectively deprecated.
- **Cloud Compatibility:** SSDT supports cloud BI development scenarios, including Azure Analysis Services and Power BI integration, beyond BIDS's on-premise focus.

For organizations still operating legacy BI solutions built with BIDS, understanding these differences is critical when planning migrations or upgrades.

Practical Applications of SQL Server Business Intelligence Development Studio

In practice, SQL Server Business Intelligence Development Studio was extensively used across industries for several BI development scenarios:

Data Integration and ETL Development

SSIS packages created within BIDS enabled enterprises to automate data extraction, transformation, and loading from diverse sources. The graphical interface allowed developers to build complex workflows involving data cleansing, aggregation, and error handling, essential for maintaining data warehouse integrity.

Multidimensional and Tabular Data Modeling

Using the SSAS project type in BIDS, data professionals could design multidimensional cubes or tabular models to support advanced analytical queries and calculations. These models formed the backbone of OLAP (Online Analytical Processing) systems, facilitating fast query responses and intuitive data exploration.

Report Authoring and Visualization

BIDS's SSRS project template empowered report developers to create interactive, parameterized

reports with rich data visualizations. Reports could be customized to meet business requirements and distributed across departments, improving data accessibility.

Challenges and Limitations of BIDS in Modern BI Environments

Despite its historical importance, SQL Server Business Intelligence Development Studio has notable limitations when viewed through the lens of current BI demands:

- **Outdated Interface and Technology:** The Visual Studio shell BIDS was built upon is now considered obsolete, lacking support for modern UI enhancements and developer conveniences.
- **Limited Cloud Integration:** BIDS does not natively support cloud-based data sources or services, a significant drawback in today's hybrid and cloud-first strategies.
- **Scalability Constraints:** Handling very large datasets and complex models can be cumbersome compared to newer tools optimized for big data.
- **Compatibility Issues:** As newer versions of SQL Server and Visual Studio have emerged, BIDS has become less compatible, complicating maintenance and upgrades.

These challenges underscore why Microsoft and the BI community have largely moved beyond BIDS in favor of SSDT and other modern BI development platforms.

Integrating SQL Server Business Intelligence Development Studio into the BI Workflow

For organizations still leveraging BIDS, integrating it effectively into broader BI workflows requires strategic consideration. Typically, BIDS is used in the development and testing phases of BI projects:

- **Development:** Creating SSIS, SSAS, and SSRS projects, designing data flows, models, and reports.
- **Testing:** Using BIDS's debugging capabilities to verify package execution, model processing, and report rendering.
- **Deployment:** Publishing BI artifacts to SQL Server instances, often managed through SQL Server Management Studio (SSMS) or automated scripts.

To maintain productivity, many teams combine BIDS with version control systems and continuous

integration pipelines, although these integrations are more manual compared to those available in SSDT environments.

Best Practices for Using BIDS Today

Even as the tool ages, there are recommended practices for those maintaining legacy BI projects on BIDS:

1. Maintain clear documentation of project configurations and dependencies.
2. Periodically evaluate the feasibility of migrating to SSDT or other modern platforms.
3. Leverage source control aggressively to track BI project changes.
4. Ensure testing environments mirror production to minimize deployment issues.

These steps help mitigate risks associated with relying on an increasingly deprecated development environment.

The Future of BI Development in the Microsoft Ecosystem

While SQL Server Business Intelligence Development Studio was once the cornerstone of Microsoft BI development, the future clearly points toward cloud-enabled, agile, and integrated tools. Microsoft's investment in Azure Synapse Analytics, Power BI, and SSDT reflects a shift toward self-service analytics, scalable data processing, and seamless collaboration.

For developers and organizations, this evolution means adapting to new tools that often abstract away much of the manual ETL and modeling work, favoring real-time data streams, AI-driven insights, and interactive dashboards. Nevertheless, understanding the history and capabilities of BIDS remains valuable for maintaining legacy systems and appreciating the trajectory of BI technology.

SQL Server Business Intelligence Development Studio, while no longer at the forefront, laid critical groundwork and continues to influence BI development practices within Microsoft-centric environments. Its legacy endures through the principles and architectures that modern BI tools build upon, bridging past methodologies with future innovations.

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sql server business intelligence development studio: *Smart Business Intelligence Solutions with Microsoft SQL Server 2008* Lynn Langit, Kevin S. Goff, Davide Mauri, Sahil Malik, John Welch,

2009-02-04 Get the end-to-end instruction you need to design, develop, and deploy more effective data integration, reporting, and analysis solutions using SQL Server 2008—whether you're new to business intelligence (BI) programming or a seasoned pro. With real-world examples and insights from an expert team, you'll master the concepts, tools, and techniques for building solutions that deliver intelligence—and business value—exactly where users want it. Discover how to: Manage the development life cycle and build a BI team Dig into SQL Server Analysis Services, Integration Services, and Reporting Services Navigate the Business Intelligence Development Studio (BIDS) Write queries that rank, sort, and drill down on sales data Develop extract, transform, and load (ETL) solutions Add a source code control system Help secure packages for deployment via encryption and credentials Use MDX and DMX Query Designers to build reports based on OLAP cubes and data mining models Create and implement custom objects using .NET code View reports in Microsoft Office Excel and Office SharePoint Server

sql server business intelligence development studio: Microsoft SQL Server 2005

Integration Services Kirk Haselden, 2006-07-21 All medium to large companies have to deal with data being stored in a number of databases, spreadsheets and proprietary applications. Bringing all this data together into one system can be useful to analyzing the business; but can also be quite difficult to do. Integration Services is the next big bet in Microsoft's business intelligence lineup, providing you with true enterprise extract transform and load features (ETL). Microsoft SQL Server 2005 Integration Services concentrates on providing you with real world solutions to real world problems, giving you a head start on various projects. If you are only evaluating Integration Services, you'll be able to focus on the early chapters with the option of drilling down into details in the later chapters where some of the more complex concepts will be discussed in detail. The interesting sidebars peppered throughout the book provide insight into the processes, people and decisions that yielded the final IS product.

sql server business intelligence development studio: Professional SQL Server 2005

Integration Services Brian Knight, Allan Mitchell, Darren Green, Douglas Hinson, Kathi Kellenberger, Andy Leonard, Erik Veerman, Jason Gerard, Haidong Ji, Mike Murphy, 2007-05-22 This book will help you get past the initial learning curve quickly so that you can get started using SSIS to transform data, create a workflow, or maintain your SQL Server. Offering you hands-on guidance, you'll learn a new world of integration possibilities and be able to move away from scripting complex logic to programming tasks using a full-featured language. What you will learn from this book Ways to quickly move and transform data How to configure every aspect of SSIS How to interface SSIS with web services and XML Techniques to scale the SSIS and make it more reliable How to migrate DTS packages to SSIS How to create your own custom tasks and user interfaces How to create an application that interfaces with SSIS to manage the environment A detailed usable case study for a complete ETL solution Who this book is for This book is for developers, DBAs, and users who are looking to program custom code in all of the .NET languages. It is expected that you know the basics of how to query the SQL Server and have some fundamental programming skills. Wrox Professional guides are planned and written by working programmers to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job.

sql server business intelligence development studio: Foundations of SQL Server 2005

Business Intelligence Lynn Langit, 2007-09-08 Just as every business needs to effectively employ business intelligence (BI) to stay competitive, every IT professional needs to master BI to stay employed in this fastest-growing segment of information technology. Foundations of SQL Server 2005 Business Intelligence is the quickest path to understanding BI, and it is essential reading for all who work with SQL Server 2005. It is written from a practical perspective, perfect for anyone who uses the tools in SQL Server 2005's extraordinarily rich BI product suite. This book explains how best to use Analysis Services, SQL Server Integration Services, SQL Server Reporting Services, and SQL Server Data Mining. It also describes best practices for implementing end-to-end BI solutions in

small, medium, and large business environments. And it provides important information about integrating BI with various client tools, including Excel, Business Scorecards, Proclarity, and SharePoint Portal Server. Developers, end users, and even managers will find this an enlightening guide to the power and promise of SQL Server 2005 BI.

sql server business intelligence development studio: Building Integrated Business Intelligence Solutions with SQL Server 2008 R2 & Office 2010 Philo Janus, Stacia Misner, 2011-02-22 Master Microsoft's Business Intelligence Tools Building Integrated Business Intelligence Solutions with SQL Server 2008 R2 & Office 2010 explains how to take full advantage of Microsoft's collaborative business intelligence (BI) tools. A variety of powerful, flexible technologies are covered, including SQL Server Analysis Services (SSAS), Excel, Excel Services, PowerPivot, SQL Server Integration Services (SSIS), Server Reporting Services (SSRS), SharePoint Server 2010, PerformancePoint Services, and Master Data Services. This practical guide focuses on developing end-to-end BI solutions that foster informed decision making. Create a multidimensional store for aggregating business data with SSAS Maximize the analysis capabilities of Excel and Excel Services Combine data from different sources and connect data for analysis with PowerPivot Move data into the system using SSIS, InfoPath, Streamsight, and SharePoint 2010 External Lists Build and publish reports with SSRS Integrate data from disparate applications, using SharePoint 2010 BI features Create scorecards and dashboards with PerformancePoint Services Summarize large volumes of data in charts and graphs Use the SSRS map feature for complex visualizations of spatial data Uncover patterns and relationships in data using the SSAS data mining engine Handle master data management with Master Data Services Publish the components of your BI solution and perform administrative tasks

sql server business intelligence development studio: Delivering Business Intelligence with Microsoft SQL Server 2008 Brian Larson, 2008-12-31 Maximize the Business Intelligence Tools in Microsoft SQL Server 2008 Manage, analyze, and distribute enterprise data with help from this expert resource. Delivering Business Intelligence with Microsoft SQL Server 2008 covers the entire BI lifecycle and explains how to build robust data integration, reporting, and analysis solutions. Real-world examples illustrate all of the powerful BI capabilities of SQL Server 2008. This is your one-stop guide for transforming disparate data into actionable insight for users throughout your organization. Understand the goals and benefits of business intelligence Design and create relational data marts and OLAP cubes Manage Analysis Services databases using BI Development Studio Cleanse data and populate data marts with SQL Server Integration Services Take advantage of the flexibility of the Unified Dimensional Model Manipulate and analyze data using MDX scripts and queries Use data mining to identify data patterns, correlations, and clustering Develop and distribute interactive reports with SQL Server 2008 Reporting Services Integrate business intelligence into enterprise applications using ADOMD.NET and the Report Viewer Control

sql server business intelligence development studio: SQL Server 2008 R2 - der schnelle Einstieg Klemens Konopasek, 2010

sql server business intelligence development studio: MS SQL Server - Einstieg in relationale Datenbanken und SQL Marco Skulschus, Marcus Wiederstein, SQL (Structured Query Language) ist der Sprachstandard, der in allen relationalen Datenbanksystemen genutzt wird, um Datenstrukturen wie Tabellen und Sichten anzulegen, Schema-Objekte zu verwalten und Daten einzutragen, zu ändern und zu löschen sowie insbesondere abzufragen und zu untersuchen. Auch für die Verwaltung einer Datenbank ist es einsetzbar. Dieses Buch zeigt Datenbank-Anfängern zunächst die Grundlagen von relationalen Datenbanken und erklärt Ihnen an verschiedenen Beispielen mit Übungen, wie eine relationale Datenstruktur aufgebaut wird. Danach lernen Sie, Tabellen in SQL zu erstellen und Daten einzutragen sowie zu bearbeiten. Anhand von Standard-SQL beschäftigen Sie sich mit allen Sprachteilen von SQL und können so ein gutes Grundlagenwissen erwerben, um sich dann mit speziellen SQL-Dialekten zu beschäftigen. Themen Einführung in relationale Datenbanken und das relationale Modell SQL DDL: Tabellen und deren Eigenschaften erstellen und ändern SQL DML: Daten erfassen, ändern und löschen SQL DML: Daten abfragen und analysieren T-SQL:

Variablen, Kontrollanweisungen, Cursor T-SQL: Prozeduren, Funktionen, Trigger SQL DCL: Benutzer und Rollen, Rechte

sql server business intelligence development studio: *Programming SQL Server 2005* Bill Hamilton, 2006 Providing a practical look at this powerful new version of the SQL Server database, this resource includes numerous code snippets and documents all the new features.

sql server business intelligence development studio: Delivering Business Intelligence with Microsoft SQL Server 2005 Brian Larson, 2006-02-14 Transform disparate enterprise data into actionable business intelligence Put timely, mission-critical information in the hands of employees across your organization using Microsoft SQL Server 2005 and the comprehensive information in this unique resource. Delivering Business Intelligence with Microsoft SQL Server 2005 shows you, step-by-step, how to author, customize, and distribute information that will give your company the competitive edge. It's all right here--from data mining, warehousing, and scripting techniques to MDX queries, KPI analysis, and the all-new Unified Dimensional Model. Real-world examples, start-to-finish exercises, and downloadable code throughout illustrate all of the integration, analysis, and reporting capabilities of SQL Server 2005.

sql server business intelligence development studio: SQL Server 2005 Buck Woody, 2007

sql server business intelligence development studio: Pro SQL Server 2005 Robin Dewson, Adam Machanic, Jan D. Narkiewicz, Thomas Rizzo, Joseph Sack, Robert Walters, Julian Skinner, Louis Davidson, 2006-11-03 SQL Server 2005 is a dramatically expanded and enhanced version of SQL Server 2000 that not only makes SQL Server a true enterprise-level RDBMS, but also changes how SQL Server professionals design databases and develop database applications. Pro SQL Server 2005 provides in-depth coverage of new SQL Server features and enhancements. It focuses on what experienced SQL Server database administrators, developers, and business intelligence practitioners need to know to get up to speed with SQL Server 2005 as quickly as possible. It carefully presents each new feature and precisely illustrates the feature with examples that show you how to use it effectively. The authors provide practical, in-depth coverage of the core topics that they specialize in all supported by realistic examples, so you'll be able to design and implement your own SQL Server 2005 solutions quickly and painlessly. This book is a roadmap for exploring and exploiting SQL Server 2005. So fasten your seatbelts, start your computers, and race to mastery of SQL Server 2005!

sql server business intelligence development studio: Realisierung eines Management Cockpits mit Microsoft Business Intelligence Knut Michels, Tim Jäger, 2009-07-20 Bachelorarbeit aus dem Jahr 2009 im Fachbereich Informatik - Wirtschaftsinformatik, Note: 1,0, Hochschule Reutlingen, Sprache: Deutsch, Abstract: Inhalt dieser Arbeit ist die technische Realisierung eines Management Cockpits mit Microsoft Business Intelligence Komponenten zur Steuerung eines fiktiven Unternehmens. Einer kurzen Einführung in die Problematik des „Informationsnotstandes im Management“, folgt die schrittweise Realisierung einer Entscheidungsplattform für Führungskräfte. Diese bietet unter Zuhilfenahme von Kennzahlen, auf Basis der Balanced Scorecard, eine breit gefächerte Palette von Werkzeugen für das Management. Dokumentiert wurden die informationstechnischen sowie betriebswirtschaftlichen Komponenten und Vorgehensweisen. Besondere Aufmerksamkeit wurde dem dynamischen Arbeiten mit Cubes und Data Mining geschenkt.

sql server business intelligence development studio: Microsoft Business Intelligence For Dummies Ken Withee, 2010-03-05 Learn to create an effective business strategy using Microsoft's BI stack Microsoft Business Intelligence tools are among the most widely used applications for gathering, providing access to, and analyzing data to enable the enterprise to make sound business decisions. The tools include SharePoint Server, the Office Suite, PerformancePoint Server, and SQL Server, among others. With so much jargon and so many technologies involved, Microsoft Business Intelligence For Dummies provides a much-needed step-by-step explanation of what's involved and how to use this powerful package to improve your business. Microsoft Business Intelligence encompasses a broad collection of tools designed to help business owners and managers direct the

enterprise effectively This guide provides an overview of SharePoint, PerformancePoint, the SQL Server suite, Microsoft Office, and the BI development technologies Explains how the various technologies work together to solve functional problems Translates the buzzwords and shows you how to create your business strategy Examines related technologies including data warehousing, data marts, Online Analytical Processing (OLAP), data mining, reporting, dashboards, and Key Performance Indicators (KPIs) Simplifies this complex package to get you up and running quickly Microsoft Business Intelligence For Dummies demystifies these essential tools for enterprise managers, business analysts, and others who need to get up to speed.

sql server business intelligence development studio: *Business Intelligence in Microsoft SharePoint 2013* Norm Warren, Mariano Neto, Stacia Misner, Ivan Sanders, Scott A. Helmers, 2013-05-15 Dive into the business intelligence features in SharePoint 2013—and use the right combination of tools to deliver compelling solutions. Take control of business intelligence (BI) with the tools offered by SharePoint 2013 and Microsoft SQL Server 2012. Led by a group of BI and SharePoint experts, you'll get step-by-step instructions for understanding how to use these technologies best in specific BI scenarios—whether you're a SharePoint administrator, SQL Server developer, or business analyst. Discover how to: Manage the entire BI lifecycle, from determining key performance indicators to building dashboards Use web-based Microsoft Excel services and publish workbooks on a SharePoint Server Mash up data from multiple sources and create Data Analysis Expressions (DAX) using PowerPivot Create data-driven diagrams that provide interactive processes and context with Microsoft Visio Services Use dashboards, scorecards, reports, and key performance indicators to monitor and analyze your business Use SharePoint to view BI reports side by side, no matter which tools were used to produced them

sql server business intelligence development studio: *Microsoft Dynamics CRM API Development for Online and On-Premise Environments* Mark Beckner, Triston Arisawa, 2013-12-02 Microsoft Dynamics CRM has a robust API that includes web services and an extensive SDK. As you develop CRM Plugins and custom integrations, you will find that there are many complexities and challenges associated with successfully interacting with this API. In order to ensure that you have all of the tools necessary to achieve success with CRM development, Microsoft Dynamics CRM 2011 API Development presents the essential aspects of API development including plugin development and registration. In addition to Plugins, you will work through building out several integrations that work with both the SDK and the Web Service layer. You will also build a C# application that creates records within CRM using the API, work with Scribe Online for integration and migration, design reports that read data from CRM using FetchXML, and interact with the OData REST service using JScript. Once you've worked through the various topics presented, you will find that you will have the advanced skills required for working with CRM 2011 Online and On Premises. Foreword by Ismail Nalwala, Principal, IOTAP.

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