

# VISUAL STUDIO 2008 OVERVIEW

MICROSOFT® VISUAL STUDIO® 2008 is the development system for designing, developing, and testing next-generation Microsoft Windows®-based solutions, Web applications, and services. By improving the user experience for Windows Vista®, the 2007 Microsoft Office system, mobile devices, and the Web, Visual Studio 2008 helps individuals and organizations rapidly create and deliver complete, connected, comprehensive, and compelling software solutions with breakthrough user experiences.



# VISUAL STUDIO 2008 DELIVERS THE FOLLOWING KEY ADVANCES:

## RAPID APPLICATION DEVELOPMENT

From modeling to coding and debugging, Visual Studio 2008 delivers improved language, designer, editor, and data features that will help you experience a breakthrough in productivity.

### Work with Data in a Unified and Integrated Way

Visual Studio 2008 significantly improves the way developers handle data. Traditionally, developers have to manipulate data differently, depending on where the data resides and how the user connects to it. With Language-Integrated Query (LINQ), developers can use a single model to query and transform XML, Microsoft SQL Server™ and object data without having to learn or use specialized language, thereby reducing complexity and boosting productivity for developers.

### Build Applications that Run on Multiple Versions of the .NET Framework

With Visual Studio 2008, developers now have the ability to use one tool to manage and build applications that target multiple versions of the .NET Framework. Visual Studio 2008 will adapt the projects and settings available for the version of the .NET framework specified by developers. Developers no longer need to have multiple versions of Visual Studio installed to maintain applications that run on more than one version of the .NET Framework.

## COLLABORATE ACROSS THE DEVELOPMENT CYCLE

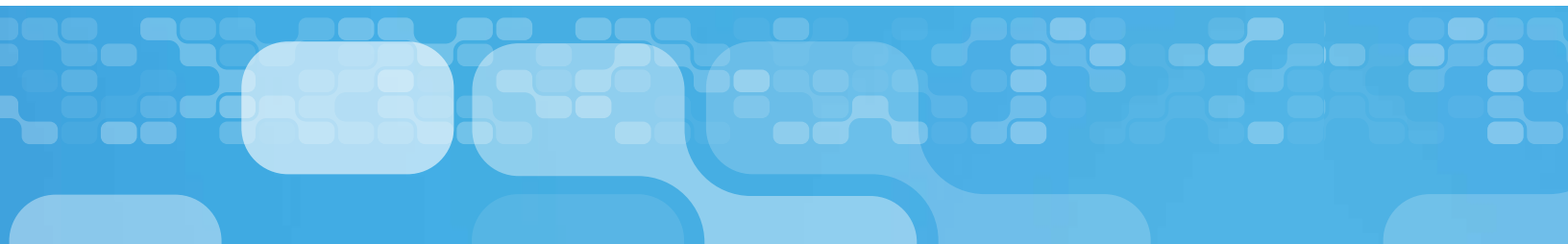
Visual Studio 2008 enables developers, designers, testers, architects, and project managers to work together through shared tools and process integration, which reduces the time to solution.

### Integrate Database Features into the Application Lifecycle Management

Visual Studio 2008 provides multiple discipline team members with an integrated set of tools for architecture, design, development, database development, and testing of applications. Microsoft Visual Studio Team System 2008 Database Edition is now fully integrated into Microsoft Visual Studio Team System 2008 Team Suite.

### Enable Seamless Collaboration Between Developers and Designers

Microsoft has released a new family of tools for designers called Microsoft Expression®. In Visual Studio 2008, design elements from both Microsoft Expression Web and Microsoft Expression Blend™ can now be brought in and out of Visual Studio without modifying of the code behind these elements. This means developers and designers can collaborate seamlessly with more confidence and without fear of a breaking change when user interface design has to be modified.



## CREATE OUTSTANDING USER EXPERIENCES

Visual Studio 2008 offers developers new tools that speed creation of outstanding, highly personalized user experiences and connected applications using the latest platforms, including the Web, Windows Vista, the 2007 Microsoft Office system, Microsoft SQL Server™ 2008, Windows Mobile®, and Windows Server® 2008.

### Experience New Tools and Support for Web Development

Visual Studio 2008 offers organizations a robust, end-to-end platform for building, hosting, and exposing applications over the Web. With Visual Studio 2008, developers can easily incorporate new Windows Presentation Foundation (WPF) features into both existing Windows Forms applications and new applications to create high-fidelity user experiences on Windows. Building AJAX-enabled applications is made faster by the addition of ASP.NET AJAX 1.0 and Microsoft IntelliSense® and debugging support for JavaScript 8.0. The enhanced Web designer with the new split-view editing helps developers improve the Web development experience by helping them see both the HTML and resulting page, along with visual design clues simultaneously.

### Build Reliable and Scalable Applications for the Microsoft Office System

Visual Studio Tools for Office is now fully integrated into Visual Studio 2008 Professional Edition. Visual Studio 2008 enables developers to customize Microsoft Office Word, Microsoft Office Excel®, Microsoft Office PowerPoint®, Microsoft Office Outlook®, Microsoft Office Visio®, Microsoft Office InfoPath®, and Microsoft Office Project to improve user productivity and take advantage of the many improvements in the 2007 Office system. With full support for ClickOnce deployment of all Microsoft Office customizations and applications, developers now have the right tools and framework for easy deployment and maintenance of their Microsoft Office solutions.

### Build Stunning Applications for Windows Vista

Visual Studio 2008 includes enhancements that enable developers to quickly and easily create applications that exhibit the Windows Vista “look and feel” and take advantage of the more than 8,000 new native APIs available in Windows Vista.



# VISUAL STUDIO 2008 OFFERS A DIVERSE PRODUCT LINE DESIGNED TO MEET THE NEEDS OF INDIVIDUAL DEVELOPERS OR DEVELOPMENT TEAMS.

**Microsoft Visual Studio Team System 2008 Team Foundation Server** is a team collaboration platform that combines team portal, version control, work-item tracking, build management, process guidance, and business intelligence into a unified server. All Visual Studio Team System 2008 Editions are deeply integrated with Team Foundation Server to give users complete visibility into development artifacts and activities on a project. Team Foundation Server allows everyone on the team to collaborate more effectively and deliver better-quality software.

**Microsoft Visual Studio Team System 2008 Team Suite** provides multiple discipline team members with the ultimate set of tools for architecture, design, development, database development, and testing of applications. Team members can continuously learn new skills and utilize a complete set of tools and guidance at every step of the application lifecycle.

**Microsoft Visual Studio Team System 2008 Architecture Edition** focuses on improving the design and validation of distributed systems. It gives architects, operations managers, and developers the ability to visually construct service-oriented solutions and validate them against their operational environments prior to deployment.

**Microsoft Visual Studio Team System 2008 Database Edition** provides advanced tools for database change management and testing and offers functionality to help database developers and administrators be more productive and increase application quality in the database tier.

**Microsoft Visual Studio Team System 2008 Development Edition** provides developers with an advanced set of tools to identify inefficient, insecure, or poor-quality code, specify coding best practices, and automate software unit testing. These tools help team members write better-quality code, reduce security-related issues, and avoid bugs later in the development lifecycle.

**Microsoft Visual Studio Team System 2008 Test Edition** provides a comprehensive suite of testing tools for Web applications and services that are integrated into the Visual Studio environment. These testing tools enable testers to author, execute, and manage tests and related work items—all from within Visual Studio.

**Microsoft Visual Studio Team System 2008 Test Load Agent** generates test loads for Web applications. It enables organizations to improve quality of service by more accurately testing the performance of Web applications and servers under load.

**Microsoft Visual Studio 2008 Professional Edition** is a full-featured development environment that provides a superset of the functionality available in Visual Studio 2008 Standard Edition. It is designed for individual professional developers or small development teams to develop high-performance, connected applications with breakthrough user experiences targeting the Web (including ASP.NET AJAX), Windows Vista, Windows Server, the Microsoft Office system, SQL Server, and Windows Mobile devices. Visual Studio 2008 Professional Edition now provides unit testing capability to enable developers to identify errors early in the development process. Visual Studio Tools for Office is now an integral part of Visual Studio 2008 Professional Edition, which enables developers to build applications that easily integrate with Microsoft's productivity suite.

**Microsoft Visual Studio 2008 Standard Edition** provides a full-featured development environment for Windows and Web developers. It offers many productivity enhancements for building data-driven client and Web applications. Individual developers looking to create connected applications with the next-generation user experience will find Visual Studio 2008 Standard Edition a perfect fit.

**MSDN® Subscriptions** provide Software Assurance for Visual Studio and a wide variety of resources and technical support options to help development teams be more efficient, effective, and productive. With MSDN Subscriptions, development teams can have access to virtually all of Microsoft's operating systems, server products, and productivity applications to design, develop, test, and demonstrate your software application.

# MSDN Subscriptions Comparison Chart

## MULTI-LANGUAGE DEVELOPMENT ENVIRONMENT FOR THE PROFESSIONAL DEVELOPERS

Database project with source control integration of all database objects and support for offline representation of a database schema	•					•			
Database Unit Testing, Data Generation, Database Refactoring, Schema Compare, Data Compare, Database Schema Deployment Tools	•					•			
Advanced Database and T-SQL Tools	•					•			
Unit Testing	•	•			•		•		•
Code Coverage	•	•			•				
Code Metrics, Static Code Analyzer, Code Profiler, Dynamic Code Analyzer	•	•			•				
Application Designer, System Designer, Logical Infrastructure Designer, Deployment Designer	•				•				
Load Testing, Manual Testing, Test Case Management, and Web Testing	•				•				
Code Profiler integration with Web and Load Test tools	•				•				
IntelliSense	•	•	•	•	•	•	•	•	•
Code Editor, Code Snippets	•	•	•	•	•	•	•	•	•
Reusable component creation	•	•	•	•	•	•	•	•	•
Server Development Tools	•	•	•	•	•	•	•	•	•
Advanced debugging tools including cross-machine debugging	•	•	•	•	•	•	•	•	•
Smartphone, Pocket PC, and Windows CE Development, Web application precompilation	•	•	•	•	•	•	•	•	•
Visual Basic® and Visual C#® Stored Procedure Authoring and Deployment	•	•	•	•	•	•	•	•	•
Visual Database Tools, Oracle and DB2 database access, XSD Editor, XSLT Editor and Debugger	•	•	•	•	•	•	•	•	•
Web application project, JavaScript IntelliSense, JavaScript debugging, Web data controls, ASP.NET AJAX project templates	•	•	•	•	•	•	•	•	•
LINQ support	•	•	•	•	•	•	•	•	•
Multi-targeting support	•	•	•	•	•	•	•	•	•
Visual Studio Tools for Office	•	•	•	•	•	•	•	•	•
Visual Basic, Visual C#, Visual C++®, Visual Web Developer	•	•	•	•	•	•	•	•	•
Action Pane and Smart Tag programmability	•	•	•	•	•	•	•	•	•

## DEVELOPER TOOLS

Visual Studio Team System 2008 Team Suite	•								
Visual Studio Team System 2008 Development Edition	•	•							
Visual Studio Team System 2008 Architecture Edition	•		•						
Visual Studio Team System 2008 Test Edition	•			•					
Visual Studio Team System 2008 Database Edition	•				•				
Visual Studio 2008 Professional Edition	•	•	•	•	•	•	•	•	•
Visual Studio Team System 2008 Team Foundation Server Workgroup Edition [1] & Client Access License	•	•	•	•	•	•	•	•	•

## DESIGNER TOOLS

Expression Web & Expression Blend	•	•	•	•	•	•	•	•	•
Expression Studio	•								

## OPERATING SYSTEMS

Windows Vista Ultimate/Enterprise/Business/Home Premium/Home Basic	•	•	•	•	•	•	•	•	•
Windows XP Professional/Home/Media Center Edition/Tablet PC Edition	•	•	•	•	•	•	•	•	•
Windows Server	•	•	•	•	•	•	•	•	•
Compute Cluster, Windows SharePoint® Services, Windows Services for UNIX	•	•	•	•	•	•	•	•	•

## SERVERS

SQL Server	•	•	•	•	•	•	•	•	•
BizTalk® Server, Exchange Server, Commerce Server, Content Management Server, ISA Server	•	•	•	•	•	•	•	•	•
Host Integration Server, Identity Integration Server, Connected Services Framework, Customer Care Framework	•	•	•	•	•	•	•	•	•
Live Communications Server, Forms Server, Groove Server, PerformancePoint™ Server, Speech Server, SharePoint Server, Windows SharePoint Services	•	•	•	•	•	•	•	•	•
Microsoft Operations Manager, Microsoft System Center Capacity Planner & Data Protection Manager, Systems Management Server	•	•	•	•	•	•	•	•	•

## BUSINESS PRODUCTIVITY APPLICATIONS

Office Ultimate/Enterprise/Professional 2007 [2]	•	•	•	•	•	•	•	•	•
Office Word, Office Excel, Office PowerPoint, Office Outlook with Business Contact Manager, Office Access [2]	•	•	•	•	•	•	•	•	•
Office Publisher, Office InfoPath, Office OneNote®, Office Communicator, Office Groove®, Office SharePoint Designer, Office Visio, Office Project Standard [2]	•	•	•	•	•	•	•	•	•
Accounting, Business Scorecard Manager, MapPoint®, FrontPage®	•	•	•	•	•	•	•	•	•
Office Project Professional	•	•	•	•	•	•	•	•	•
Office Project Server, Office Project Portfolio Server	•	•	•	•	•	•	•	•	•

## MICROSOFT DYNAMICS (FORMERLY KNOWN AS MICROSOFT BUSINESS SOLUTIONS)

Microsoft Dynamics™ AX, GP, NAV, SL, Microsoft Forecaster & FRx	•	•	•	•	•	•	•	•	•
Microsoft Dynamics CRM, Point of Sale, Microsoft Small Business Accounting & Financials	•	•	•	•	•	•	•	•	•

## OTHER TOOLS, SDKS AND DDKS

Virtual PC, Virtual Server	•	•	•	•	•	•	•	•	•
Access Developer Extensions	•	•	•	•	•	•	•	•	•
.NET Framework, .NET Compact Framework, .NET Micro Framework	•	•	•	•	•	•	•	•	•
Windows SDK, Platform SDK, DirectX® SDK	•	•	•	•	•	•	•	•	•
Microsoft Baseline Security Analyzer v2.0, Application Compatibility Tool Kit	•	•	•	•	•	•	•	•	•
Windows Automated Installation Kit, Windows Installer	•	•	•	•	•	•	•	•	•
Windows Driver Kit, Windows Hardware Compatibility Test	•	•	•	•	•	•	•	•	•

## MSDN LIBRARY

### TECHNICAL SUPPORT INCIDENTS

### MANAGED NEWSGROUP SUPPORT

### ONLINE CONCIERGE

	Visual Studio Team System 2008 Team Suite with MSDN Premium Subscription	Visual Studio Team System 2008 Development Edition with MSDN Premium	Visual Studio Team System 2008 Architecture Edition with MSDN Premium	Visual Studio Team System 2008 Test Edition with MSDN Premium	Visual Studio Team System 2008 Database Edition with MSDN Premium	Visual Studio 2008 Professional with MSDN Premium	Visual Studio 2008 Professional with MSDN Professional	Visual Studio 2008 Professional Edition	Visual Studio 2008 Standard Edition
<b>MULTI-LANGUAGE DEVELOPMENT ENVIRONMENT FOR THE PROFESSIONAL DEVELOPERS</b>									
Database project with source control integration of all database objects and support for offline representation of a database schema	•					•			
Database Unit Testing, Data Generation, Database Refactoring, Schema Compare, Data Compare, Database Schema Deployment Tools	•					•			
Advanced Database and T-SQL Tools	•					•			
Unit Testing	•	•			•		•		•
Code Coverage	•	•			•				
Code Metrics, Static Code Analyzer, Code Profiler, Dynamic Code Analyzer	•	•			•				
Application Designer, System Designer, Logical Infrastructure Designer, Deployment Designer	•				•				
Load Testing, Manual Testing, Test Case Management, and Web Testing	•				•				
Code Profiler integration with Web and Load Test tools	•				•				
IntelliSense	•	•	•	•	•	•	•	•	•
Code Editor, Code Snippets	•	•	•	•	•	•	•	•	•
Reusable component creation	•	•	•	•	•	•	•	•	•
Server Development Tools	•	•	•	•	•	•	•	•	•
Advanced debugging tools including cross-machine debugging	•	•	•	•	•	•	•	•	•
Smartphone, Pocket PC, and Windows CE Development, Web application precompilation	•	•	•	•	•	•	•	•	•
Visual Basic® and Visual C#® Stored Procedure Authoring and Deployment	•	•	•	•	•	•	•	•	•
Visual Database Tools, Oracle and DB2 database access, XSD Editor, XSLT Editor and Debugger	•	•	•	•	•	•	•	•	•
Web application project, JavaScript IntelliSense, JavaScript debugging, Web data controls, ASP.NET AJAX project templates	•	•	•	•	•	•	•	•	•
LINQ support	•	•	•	•	•	•	•	•	•
Multi-targeting support	•	•	•	•	•	•	•	•	•
Visual Studio Tools for Office	•	•	•	•	•	•	•	•	•
Visual Basic, Visual C#, Visual C++®, Visual Web Developer	•	•	•	•	•	•	•	•	•
Action Pane and Smart Tag programmability	•	•	•	•	•	•	•	•	•
<b>DEVELOPER TOOLS</b>									
Visual Studio Team System 2008 Team Suite	•								
Visual Studio Team System 2008 Development Edition	•	•							
Visual Studio Team System 2008 Architecture Edition	•		•						
Visual Studio Team System 2008 Test Edition	•			•					
Visual Studio Team System 2008 Database Edition	•				•				
Visual Studio 2008 Professional Edition	•	•	•	•	•	•	•	•	•
Visual Studio Team System 2008 Team Foundation Server Workgroup Edition [1] & Client Access License	•	•	•	•	•	•	•	•	•
<b>DESIGNER TOOLS</b>									
Expression Web & Expression Blend	•	•	•	•	•	•	•	•	•
Expression Studio	•								
<b>OPERATING SYSTEMS</b>									
Windows Vista Ultimate/Enterprise/Business/Home Premium/Home Basic	•	•	•	•	•	•	•	•	•
Windows XP Professional/Home/Media Center Edition/Tablet PC Edition	•	•	•	•	•	•	•	•	•
Windows Server	•	•	•	•	•	•	•	•	•
Compute Cluster, Windows SharePoint® Services, Windows Services for UNIX	•	•	•	•	•	•	•	•	•
<b>SERVERS</b>									
SQL Server	•	•	•	•	•	•	•	•	•
BizTalk® Server, Exchange Server, Commerce Server, Content Management Server, ISA Server	•	•	•	•	•	•	•	•	•
Host Integration Server, Identity Integration Server, Connected Services Framework, Customer Care Framework	•	•	•	•	•	•	•	•	•
Live Communications Server, Forms Server, Groove Server, PerformancePoint™ Server, Speech Server, SharePoint Server, Windows SharePoint Services	•	•	•	•	•	•	•	•	•
Microsoft Operations Manager, Microsoft System Center Capacity Planner & Data Protection Manager, Systems Management Server	•	•	•	•	•	•	•	•	•
<b>BUSINESS PRODUCTIVITY APPLICATIONS</b>									
Office Ultimate/Enterprise/Professional 2007 [2]	•	•	•	•	•	•	•	•	•
Office Word, Office Excel, Office PowerPoint, Office Outlook with Business Contact Manager, Office Access [2]	•	•	•	•	•	•	•	•	•
Office Publisher, Office InfoPath, Office OneNote®, Office Communicator, Office Groove®, Office SharePoint Designer, Office Visio, Office Project Standard [2]	•	•	•	•	•	•	•	•	•
Accounting, Business Scorecard Manager, MapPoint®, FrontPage®	•	•	•	•	•	•	•	•	•
Office Project Professional	•	•	•	•	•	•	•	•	•
Office Project Server, Office Project Portfolio Server	•	•	•	•	•	•	•	•	•
<b>MICROSOFT DYNAMICS (FORMERLY KNOWN AS MICROSOFT BUSINESS SOLUTIONS)</b>									
Microsoft Dynamics™ AX, GP, NAV, SL, Microsoft Forecaster & FRx	•	•	•	•	•	•	•	•	•
Microsoft Dynamics CRM, Point of Sale, Microsoft Small Business Accounting & Financials	•	•	•	•	•	•	•	•	•
<b>OTHER TOOLS, SDKS AND DDKS</b>									
Virtual PC, Virtual Server	•	•	•	•	•	•	•	•	•
Access Developer Extensions	•	•	•	•	•	•	•	•	•
.NET Framework, .NET Compact Framework, .NET Micro Framework	•	•	•	•	•	•	•	•	•
Windows SDK, Platform SDK, DirectX® SDK	•	•	•	•	•	•	•	•	•
Microsoft Baseline Security Analyzer v2.0, Application Compatibility Tool Kit	•	•	•	•	•	•	•	•	•
Windows Automated Installation Kit, Windows Installer	•	•	•	•	•	•	•	•	•
Windows Driver Kit, Windows Hardware Compatibility Test	•	•	•	•	•	•	•	•	•
<b>MSDN LIBRARY</b>									
<b>TECHNICAL SUPPORT INCIDENTS</b>									
4	4	4	4	4	4	4	2		
<b>MANAGED NEWSGROUP SUPPORT</b>									
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<b>ONLINE CONCIERGE</b>									
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### Notes for chart:

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MSDN Subscriptions offers current, pre-release and certain older versions of these products to download. Selected contents are also available on DVD media subscriptions. Available content is subject to change at any time.

[1] Visual Studio Team System 2008 Team Foundation Server Workgroup Edition is limited to five designated users. One Client Access License is provided for use of the full version of Team Foundation Server.

[2] One copy of the indicated applications may be used for general business use on one device for any purpose.