

VS Live!™

*Catch the preview
of the next release
of Visual Studio
"Whidbey" & "Orcas"*

Visual Studio Developer Conference

ORLANDO

September 8-13, 2003

Brand-New

**JW Marriott Orlando Grande
Lakes Resort**

Learn to Build

.NET

Applications Today!

- Save Yourself with .NET
Serialization, the WMI, and COM
- Build Transactional ASP.NET
Pages and Web Services
- Optimize Performance with SQL
Server Indexing
- Understand Advanced Windows
Forms: Threading, Performance,
Exceptions and Resources

msdn

Microsoft

FTP FAWCETTE
TECHNICAL
PUBLICATIONS

Register by July 30
Save \$200

Call for details 800-848-5523

www.vslive.com/orlando



VSLive!™

Visual Studio Developer Conference

ORLANDO

September 8-13, 2003 • JW Marriott Orlando Grande Lakes Resort • Orlando, FL



Dear VS Developer,

With Yukon and Longhorn — code names for the next generations of SQL Server and the Windows client respectively — apparently not due out for a while, this is a good time for all of us to take a deep breath and catch up on learning how to actually build applications with the Visual Studio, ASP.NET and SQL Server we have today.

By now, most VSLive! regulars have been using the .NET Framework and associated tools for a while. So, for Orlando we focus more on nitty-gritty development and deployment issues than exposing new features. With over 140 hours of content, and more of our Black Belt sessions, we help you solve the problems you currently — or are about to — face. And VSLive! is always

about providing practical how-to development advice and insight with our experienced presenters helping you find the right solutions. That's emphasized in Orlando with sessions such as "Build Transactional ASP.NET Pages and Web Services" in the ASP Live! Conference; "Indexing for Performance: Finding the Right Balance" in SQL Live!, and "Advanced Windows Forms: Threading, Performance, Exceptions and Resources" in C# Live! And intensive full-day workshops take you even further on critical topics in ASP, VB, and data access.

Check out the agenda for details and please visit our Web site for updates at www.vslive.com/orlando.

We look forward to seeing you in Florida,

Jim Fawcette
President, CEO and Founder of VSLive! Conferences
Fawcette Technical Publications

P.S. For your best value, sign up for the Gold Passport by July 30, 2003, and you'll benefit from Early Bird savings and multi-package economies. You'll gain access to every session, workshop, and event, and can even receive six nights' accommodation at the JW Marriott Grande Lakes Resort, host hotel for VSLive! Orlando.

The Gold Passport —Your Best Value



As a Gold Passport holder you'll have no boundaries in Orlando. Move freely between all conference sessions, pre- and post-conference workshops and special events. Enjoy special premiums, discounts and VIP treatment!

- Over 140 Hours of All-New Sessions, Workshops and Events span everything from SQL Server to VB .NET and mobile devices, ASP.NET and data.
- Premium Attendee Bag and Polo Shirt will distinguish you as a VIP, and keep you comfortable at the conference and at home.
- VIP Lounge, complete with a private computer lab plus drinks and snacks, provides the perfect networking center for you and your fellow Passport holders.
- Wireless Ethernet Access will allow you to move freely throughout the conference area while wirelessly connected to your e-mail and the rest of the Internet. Bring your own card and we'll configure your laptop for you. Or pick up a loaner-card at our onsite wireless station—available to the first 150 registered Gold Passport attendees only!


**Get Your
Gold Passport!
6 Days & All Sessions,
Workshops and Events
Your best value at VSLive!**



Keynotes

- 4** All attendees are welcome to three days of VSLive! keynotes. Find out where the future of .NET development opportunity and productivity lie, and hear from the industry's foremost authorities on the latest technology.

.NET Focus Day

- 5** **Meet the  Development Team**
Get a first look at how Microsoft's responded to improving the tool suite with Visual Studio .NET 2003, and tips on best practices for the most secure, robust Windows, Web and mobile applications.

Conference Sessions

Whether you are interested in rich client or server-based development, you will find that our sessions provide answers to the problems you face on a daily basis.

VBITS page 6

ASP Live! page 10

C# Live! page 12

SQL Live! page 14

Workshops

- 14** Make the most of your time away from the office, and choose from seven different pre- and post-conference workshops. Prepare yourself for the conference ahead, or drive home the tips you learned in the main-conference sessions. These full-day seminars will complete your week in Orlando.

Free for All Attendees!



VSLive! Resource CD



Visual Studio Magazine
Subscription



Membership to Virtual
VSLive! Online Community



Access 24-Hours/Day
to the High-Speed
Hands-On Center

The Exhibit Hall



VSLive! 2003 guarantees to deliver the hottest new developments in add-on tools for the Visual Studio toolset. This is your best opportunity to get face to face with the vendors who bring you the products and services you'll come to rely on in the coming year.

Be sure to visit the Exhibit Hall Wednesday, September 10, through Friday, September 12!

Exact times for Exhibit Hall hours along with the growing list of exhibitors will be posted on the attendee Web site at www.vslive.com/orlando.

Who Should Attend?

There are now over one million Visual Studio developers worldwide — are you one of them? Whether your title is **IT manager**, **architect** or **software developer**, VSLive! conferences can improve and simplify your job. Attend the Orlando 2003 event and find how-to features, case studies, tips and techniques, and code, code, code that will get you programming better and faster immediately.

Keynotes

September 10, 9 a.m.

Visual Studio .NET: Built for Today, Ready for Tomorrow

Ari Bixhorn, Visual Studio .NET Lead Product Manager, Microsoft

Visual Studio .NET delivers groundbreaking improvements to the world's most popular developer tool set. It provides a unified programming model for building browser and smart-client applications for mobile devices as well as for servers and PCs. Join Microsoft's top developers for a look at today's most pressing application development challenges and a preview of Visual Studio .NET 2003. You'll learn about the complete range of capabilities from modelers that aid in visually composing the most complex of enterprise-class applications to deploying an application to the smallest of devices.



Ari Bixhorn is the Lead Product Manager for Visual Studio in Microsoft's Developer Tools Division. In this role, Ari is responsible for technical evangelism and product planning for Visual Studio .NET. Prior to joining Microsoft, Ari worked at British Telecom developing and supporting business-to-business electronic commerce solutions.

September 11, 9 a.m.

Microsoft.com Application Framework

Larry Jordan, Microsoft.com Development Manager, Microsoft

This presentation will take a deep look at the .NET adoption on Microsoft.com that provides a centralized framework for content aggregation, presentation and programmability. The presentation will focus on the use of various XML capabilities in .NET and network distribution model of Web Services that make up the architecture of Microsoft.com.



Larry Jordan is a development manager for Microsoft.com and responsible for site-wide applications like Search, Business Intelligence and legacy application porting. Larry has worked at Microsoft.com through the first version of IIS to the current and coming .NET platform. He considers himself a customer of

Microsoft products and is dedicated to improving Microsoft enterprise applications in most demanding environment.

September 12, 9 a.m.

Data Access with Visual Studio .NET

Most mission-critical applications created with Visual Studio start with data access — from Oracle, SQL Server, DB2, legacy data stores, whatever. From the impact of XML to the move from ADO to ADO .NET, how Visual Studio developers approach data access is being redefined. With native CLR-support promised in the Yukon release of SQL Server, more changes are afoot. Get a new perspective on where data access is today and how to architect your applications so they won't be made obsolete by the substantial changes on the horizon.

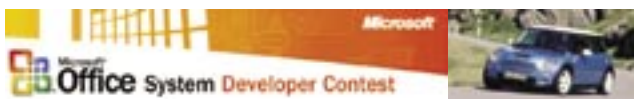
Look to the Web for more details on this keynote!

Midnight Madness



Thursday, September 11, 8 p.m.

Here's a chance to unwind while you get the latest on cutting-edge development technologies. Hammer out programming issues and problems with attendees, speakers and industry leaders in a wide-ranging, open-ended chat. We plan to shock you, dare you, and prepare you for other extreme topics and previews that we can't reveal... yet. Vie with other developers to get your share of thousands of dollars worth of cool prizes and hear top-notch speakers.



Be at Midnight Madness when we announce the three overall winners of the Microsoft Office System Developer Contest (www.officedevcontest.com). Our Grand Prize winner will get the keys to a 2003 MINI Cooper, and many others will receive lots of cool prizes. You'll see how they used the Office System Beta to showcase its new features and technologies, too.

Want your chance to win? You still have time to enter the contest! Get the Office System Beta and enter an app in any of these five categories

1. XML at the Desktop
2. Visual Studio and .NET Framework
3. Cross-application integration
4. Tools
5. Microsoft SharePoint Products and Technologies

Check out the full contest details and rules at www.officedevcontest.com

Keynotes, Sessions & Special Events

All Attendees Welcome!

Microsoft .NET Focus Day

September 10, 2003

Whether you are a Gold Passport holder, or participating in just a few sessions while in Orlando, all attendees are invited to Microsoft's .NET Focus Day. You'll meet top members of the Microsoft development team, and get a look at the latest developments to Visual Studio .NET and their data access technologies.

10:15 a.m.

Building Windows Applications with Visual Studio .NET

Organizations striving to provide customers with the richest client experience possible know the importance of Windows-based applications. With Visual Studio .NET, the biggest challenges surrounding Windows application development have been addressed, enabling faster development and simplified deployment. In this session, learn the ins and outs of building robust Windows applications with Visual Studio .NET.

11:30 a.m.

Visual Studio .NET Data Access

If you're a COM-based ADO developer, you're in for a treat when moving to .NET. It's amazing how much you can accomplish with very little code using Visual Studio .NET's tools for working with data, along with the classes provided by the System.Data namespace. In this session, you'll learn the basics of using the new ADO .NET Managed Providers, and how to retrieve, display, and modify data — all with very little code! Need to call a SQL Server stored procedure to retrieve data? No problem! In addition, you'll see how to dig into ADO.NET classes in code, as well. Almost every .NET application needs to manipulate data in one way or another, and this session gets you what you need to get up and running.

1:45 p.m.

Web Applications and Web Services in Visual Studio .NET

With Visual Studio.NET, your experience in building rich Windows applications easily translates into expert Web application and Web service development. Attend this session and find out how to bridge the gap between Windows and the Web. We'll discuss ASP.NET and Web Forms that bring Web application development within reach for all developers. You'll also learn how to leverage XML Web services within Windows, Web, and mobile applications.

3 p.m.

Middle-Tier Component Development in Visual Studio .NET

Multi-tier development is an essential component for today and tomorrow's distributed Windows DNA apps. The Visual Studio development team will detail Visual Studio .NET's rich set of framework components at each tier of app development: user interface, business logic and data.

4:15 p.m.

Deploying Visual Studio .NET Applications

Learn how to create installers applications written in Visual Studio .NET — both traditional Windows applications and Web applications. Learn how to include the .NET Framework in your installer, how to use dynamic properties to control the location of resources your application uses (such as Web services and databases) and how the new versioning policy of .NET affects setups.

5:30 p.m.

Visual Studio .NET Tips and Tricks

In this un-winder session, learn tips and tricks to make you even more productive within the Visual Studio .NET development environment. Learn to customize and extend the IDE with macros and add-ins, discover shortcuts to completing common tasks, and get the inside scoop on some cool tricks to make the development environment work the way you want it to! This session is packed with tips and tricks gathered during the development and testing of Visual Studio .NET that will make developing applications faster and more productive than ever.

Catch the preview of the next release of Visual Studio Whidbey & Orcas






Microsoft is sure to lay out plans for its upcoming "Whidbey" and "Orcas" versions of Visual Studio at VSLive! Orlando. Be there for sneak previews of the next two releases of Visual Studio, hear about new opportunities for partners, plus much more.

Pre-Conference Workshops, September 8





Pre-Conference Workshops, September 9

Microsoft .NET Focus Day, September 10

VBITS Day One, September 11

9 a.m.	KEYNOTE: Microsoft.com Application Framework — Larry Jordan, Microsoft.com Development Manager			
	Object Development	Data Access	.NET Framework	ASP Live! C# Live! SQL Live!
10:30 a.m.	OOP with VB .NET Deborah Kurata	Migrate from ADO to ADO .NET Jackie Goldstein	Exception Handling in .NET Ken Getz	
11:45 a.m.	Advanced Development with Objects Billy Hollis	Advanced ADO .NET Techniques Jackie Goldstein	Threading with Visual Basic .NET Jon Rauschenberger 	
12:45 p.m.	Lunch			
	Smart Client	Data Access	.NET Framework	ASP Live! C# Live! SQL Live!
2 p.m.	Create Rich Clients with Windows Forms Brian Randell	In-Depth Transaction Design Jimmy Nilsson	Save Yourself with .NET Serialization Ken Getz 	
3:15 p.m.	Create Windows Forms Controls Brian Randell	ADO .NET Tips and Tricks Shawn Wildermuth	Fill the .NET Gaps with WMI Ken Getz 	
4:30 p.m.	Optimizing Windows Application Performance Billy Hollis	ADO .NET Best Practices Andrew Brust	Leverage COM from .NET Brian Randell 	
5:45 p.m.	Windows Forms Tips and Tricks Keith Pleas and Billy Hollis	Disconnected Datasets and Synchronization Josef Finsel	.NET Security Techniques Juval Lowy 	
6:30 p.m.	Opening Night Reception			
8 p.m.	Midnight Madness			

VBITS Day Two, September 12

9 a.m.	KEYNOTE: Data Access with Visual Studio .NET			
	Smart Client	Architecture & Design	.NET Framework	
10:30 a.m.	Validating Data on the Client Billy Hollis	Application Design Patterns Keith Pleas	Debugging with Visual Basic .NET Ron Jacobs 	ASP Live! C# Live! SQL Live!
11:45 a.m.	Zero-Touch Deployment Andrew Brust	Enterprise Development in the Real World Rocky Lhotka	Remoting Strategies Juval Lowy 	
12:45 p.m.	Lunch			
	Internet	Architecture & Design	.NET Framework	
2 p.m.	Everything You Must Know About Web Services Bill Evjen	Design Highly Scalable Distributed Apps with .NET, Part I Rockford Lhotka	Building in Performance and Scalability Ron Jacobs	ASP Live! C# Live! SQL Live!
3:15 p.m.	Asynchronous Web Services  Ron Jacobs	Design Highly Scalable Distributed Apps with .NET, Part II Rockford Lhotka	Build Mobile Web Apps Quickly with the .NET Compact Framework Andy Wigley	
4:30 p.m.	Enhanced Web Services  Bill Evjen	Strategies for Passing and Caching Data Johnny Papa	Best Practices for Deployment Keith Pleas	

Post-Conference Workshops, September 13



“Now that .NET has proven to have a solid and deep foundation, the emphasis is shifting upwards from the .NET Framework level to focusing on building real-world solutions. In fact, many new systems are being designed to take advantage of the best features of all major client types — Windows, Web, and mobile devices — to provide the best user experience available.

At VSLive! Orlando you'll find sessions that focus on both client and server-based development. Since many of you are already working with .NET, you'll find 'Black Belt' sessions that deliver more advanced topics that fit your growing needs. And not only will you learn from leading experts, you will have a chance to interact with key Microsoft personnel, independent experts, and the industry's best third party suppliers of software and services. ”

— Keith Pleas, Consultant and Founder of Guided Design, VBITS Conference Chair

September 11, 10:30 a.m.

OOP with VB .NET

Deborah Kurata

OOP in .NET means more than a new syntax. With Visual Basic .NET, VB becomes a true object-oriented language. Attend this session and get the newest, key object-oriented concepts, including parameterized constructors, function overloading, static class data, and inheritance-based polymorphism. Learn how to take advantage of these techniques so you can leverage the benefits of true OOP in your apps!

September 11, 10:30 a.m.

Migrate from ADO to ADO .NET

Jackie Goldstein

Learn before you do. This walk through a typical conversion process, showing what ADO code can port, what needs rewriting, and what needs to go, will arm you with the techniques that can enable the smoothest possible transition. We'll discuss what current VB 6 coding practices are easiest to convert without hurting your current app's performance and address both the benefits and potential gotchas of the ADO .NET paradigm and .NET data access technology.

September 11, 10:30 a.m.

Exception Handling in .NET

Ken Getz

One of the biggest improvements in VB .NET is managed exceptions. Exceptions allow you to write integrated error handling routines and handle errors from third party code. You'll see how to throw exceptions and how to write exception handling code, as well as good practices of when and how to use exceptions. You'll learn how exceptions are used in distributed applications, with multi-threaded and multi-application domain processes and how they are handled in GUI applications. Finally, we will show how to write code to handle uncaught exceptions in console and GUI applications.

September 11, 11:45 a.m.

Advanced Development with Objects

Billy Hollis

Going beyond the fundamentals, this session demonstrates advanced object techniques from real-world projects. We'll cover loading classes on the fly, dynamic user interfaces, and implementing object interfaces. If you have been developing objects in Visual Studio .NET for the last year, and have a background in CLR and OOP, this is an hour you won't want to miss.

September 11, 11:45 a.m.

Advanced ADO .NET Techniques

Jackie Goldstein

This session starts off where “Moving from ADO 2.X to ADO .NET” leaves off. We will take an in-depth look and demo more advanced features and programming techniques in ADO.NET, including strongly-typed Datasets, multi-table operations, concurrency conflict resolution, and mapping relational views to XML schemas.

September 11, 11:45 a.m.

Threading with Visual Basic .NET

Jon Rauschenberger

The ability to write multi-threaded code can often make the difference between an application that performs and scales well and one that can only handle a few users. Using multiple threads, however, can also result in applications that are unstable — or worse, provide inaccurate data. We will present you with best practices for writing .NET applications that use multiple threads. We'll cover topics including: using thread pools, implementing synchronization, callback delegates and design patterns for multi-threaded applications.

September 11, 2 p.m.

Create Rich Clients with Windows Forms

Brian Randell

Rich Windows apps remain critical to the success of today's businesses. We will show you how to take advantage of Visual Studio's new features and enhancements to build richer, better Windows apps — and even connect them to Web Services. We will explore the world of Windows Forms and learn how to use the power of .NET Framework and the Win32 API to create Windows applications for the next generation, too.

September 11, 2 p.m.

In-Depth Transaction Design

Jimmy Nilsson

No matter which programming model you use for transactions (ADO .NET, T-SQL or COM+), it's crucial that you master transaction design. This presentation goes into detail about how to choose transaction isolation level, how to reduce the risk of deadlocks, how to shorten transactions and more. The focus of the presentation is the creation of correct programs and maintaining good performance.

September 11, 2 p.m.

Save Yourself with .NET Serialization

Ken Getz

Almost every application needs to save data for later use, or for transport to another application. Every developer has crafted a one-off solution to the problem, and no one will argue that this is a waste of time. Shouldn't the operating system provide some standard technique for serializing data for persistent storage and transport? Of course, the .NET Framework does. And, in typical .NET Framework style, you have lots of choices to make when deciding on a serialization. In this session, you'll learn about both formatters provided by the .NET Framework, and see how to decide which works best for you.

September 11, 3:15 p.m.

Create Windows Forms Controls

Brian Randell

Every developer working with Windows Forms will sooner or later need to create their own controls. Even if you're not a control vendor, the techniques involved in creating your own controls are vital in most Windows applications. The .NET Windows Forms package allows you to create your own controls in several different ways. Depending on the class you inherit from, you get different behaviors, and different features. This session introduces you to three different ways in which to create your own controls for Windows Forms and demonstrates why you might want to take on this important task.



Black Belt Session

September 11, 3:15 p.m.

ADO .NET Tips and Tricks

Shawn Wildermuth

Don't believe the rumors. ADO .NET does not have to be that difficult. Shawn Wildermuth will be teaching you the secrets for getting the most out of ADO .NET in the fewest keystrokes possible. You'll learn everything from how to correctly use connection pooling to the magic tricks of the Data Designers, and much more.

September 11, 3:15 p.m.

Fill the .NET Gaps with WMI

Ken Getz

WMI (Windows Management Instrumentation) makes it possible for the .NET Framework to expose details of your operating system, hardware, and devices without needing to write specific-case code. In addition, WMI provides an open door for you to investigate and manipulate hardware and operating system details that aren't otherwise available to you through the .NET Framework. Want to rid yourself of unwanted API calls? WMI can often supply the answer, using a managed wrapper around the Windows infrastructure. In this session, you'll learn how to take advantage of WMI to solve many common problems facing .NET developers.

September 11, 4:30 p.m.

Optimizing Windows Application Performance

Billy Hollis

Windows Forms applications will typically be more distributed than VB 6 forms apps. This introduces new challenges for making Windows Forms applications fast and scalable. Attend this session for a look at techniques for making Windows Forms fit into a distributed application environment while maintaining the crisp performance users desire.

September 11, 4:30 p.m.

ADO .NET Best Practices

Andrew Brust

As the newness of .NET wears off, application developers must move past the "how to" of data access development and start considering the best ways to get things done. In this session, we'll do just that, starting with an intelligent approach to the DataSet vs. DataReader question followed by discussion of more specialized issues like connection pooling, transactions, handling multiple result sets, and the finer points of typed datasets.

September 11, 4:30 p.m.

Leverage COM from .NET

Brian Randell

For VB developers, productivity has come through wiring client/server COM components. Using services such as MTS and COM+ has made for better, more robust systems. And the new Common Language Runtime (CLR) promises to make this even better — or does it? We will show you how to make migration from COM programming simple, using the CLR's GUID-less model.

September 11, 5:45 p.m.

Windows Forms Tips and Tricks

Keith Pleas and Billy Hollis

With end users continuing to demand the rich interface of Windows, thin clients haven't yet pushed fat clients off the desktop. Get an hour of tips and tricks on implementing Windows Forms, including control creation, custom painting, application updating, control emitting and embedding, and building a complete control collection. You'll also learn tips for visual inheritance, handling resources for globalization, and the top 10 obscure yet useful properties.

September 11, 5:45 p.m.

Disconnected Datasets and Synchronization

Josef Finsel

With ADO .NET, disconnected datasets have come of age. No longer do database administrators need to open up rights on tables to allow unrestricted inserts, updates and deletes. Instead, you can specify stored procedures that handle all of those changes but that opens up a whole new can of worms related to transactional updates and handling synchronization issues. Correctly handling these issues requires work in both ADO .NET and SQL Server. Attend this session and you'll learn how to put the two together to make disconnected datasets work effectively with your data.

September 11, 5:45 p.m.

.NET Security Techniques

Juval Lowy

.NET allows you to configure permissions for components, and provide an evidence to prove that it has the right credentials to access a resource or perform some sensitive work. We'll show you how to manage application security using the .NET admin tool and how to do so programmatically. We'll also discuss .NET's way of dealing with what users are allowed to do using .NET role-based security.

September 12, 10:30 a.m.

Validating Data on the Client

Billy Hollis

Reducing data transfer by doing client-side data validation makes your application's perceived performance crisper, and reducing the load on the server. It also saves time and coding effort and improves encapsulation. Learn some smart techniques for how to do client-side validation, and their trade-offs to help you judge when to do it. This session will detail a set of Windows Forms validation controls that replicate and extend the capabilities of the popular ASP.NET validator controls.

September 12, 10:30 a.m.

Application Design Patterns

Keith Pleas

Maintainability and cost controls dictate IT standards. A key tool for implementing standards and enabling reusability of code are design patterns — reusable solutions that solve specific design problems. Join us this hour and learn how to create design patterns, and how to use them most effectively. You'll see how proven patterns can be put to use when designing .NET applications and how to harvest patterns from your own codebase.

September 12, 10:30 a.m.

Debugging with Visual Basic .NET

Ron Jacobs

With .NET's advent the rules for debugging have completely changed. We'll help you get up to speed on the core concepts you need to understand in order to debug effectively with Visual Basic .NET, taking you through the transitioning to .NET debugging, and taking advantage of the new debuggers and debugging techniques, including the new diagnostic code.

September 12, 11:45 a.m.

Zero-Touch Deployment

Andrew Brust

The trend toward browser-based applications has been, in large part, driven by their ease of deployment. But now, .NET's Zero-Touch Deployment (ZTD) model allows Windows Forms applications to deploy gracefully over the Internet/intranet and Code Access Security (CAS) makes it safe. We'll cover the nooks and crannies of ZTD and CAS so you can make these technologies work for you.

September 12, 11:45 a.m.

Enterprise Development in the Real World

Rocky Lhotka

Enterprise development is more than just application design and coding. We need to deal with issues such as configuration management, unit testing, run-time logging, exception handling, security integration and many other issues. In this session we'll see how we can use various Microsoft Application Blocks, open-source software and other tools and processes to help address many of these key issues.

September 12, 11:45 a.m.

Remoting Strategies

Juval Lowy

Distributed application gives you scalability, fault tolerance, security, throughput and better performance if proximity to resources is crucial. .NET remoting is the general term referring to when making cross context, app domain (process) or machine calls. .NET has native support for invoking calls on remote objects, but it has much more to it than just remote calls. This talk describes the .NET remoting architecture, remote objects types, programmatic and administrative configuration of remote objects, and the steps required to build and deploy a distributed .NET application.

September 12, 2 p.m.

Everything You Must Know About Web Services

Bill Evjen

This session will take an in-depth look at the XML Web services model and what it means for connecting disparate systems. In addition, this session will go beyond the "Hello World" introduction and will also show you how to construct your own SOAP headers, apply caching and test your XML Web services before they go into production. We will take a look at some of the tips-and-tricks of the .NET Web services world, too.

September 12, 2 p.m. & 3:15 p.m.

Design Highly Scalable Distributed Apps with .NET, Parts I & II

Rockford Lhotka

The Microsoft .NET Framework provides extensive support for creating highly scaleable distributed applications. You will learn how to design Windows and Web-based applications based on distributed business objects, achieving high levels of reuse, scalability, long-term maintainability and other benefits. You will also learn how Web Services, Remoting, object serialization, Enterprise Services, autodeployment and other .NET technologies come together to create these applications.

September 12, 2 p.m.

Building in Performance and Scalability

Ron Jacobs

Learn how to define performance targets, measure to insure that you are meeting them and the tips to create high performance, highly scalable distributed applications with .NET.

September 12, 3:15 p.m.

Asynchronous Web Services

Ron Jacobs

Building loosely coupled systems isn't easy but with Web services loose coupling is critical to building highly scalable and available systems. In this session you will learn how you can take advantage of three reference building blocks from Microsoft to support asynchronous invocation, aggregation and caching with web services.

September 12, 3:15 p.m.

Build Mobile Web Apps Quickly with the .NET Compact Framework

Andy Wigley

The next version of Visual Studio .NET includes what was formerly known as Smart Device Extensions, which allows you to build applications for Mobile Devices using the .NET Compact Framework. Now you can build applications for Pocket PCs using the same programming model and the same developer tools you use to develop desktop applications! We'll use Visual Studio .NET 2003 to build a mobile application live, end-to-end, using the .NET Compact Framework implementations of Windows Forms, XML Web Services and ADO .NET.

September 12, 4:30 p.m.

Enhanced Web Services

Bill Evjen

Microsoft has provided developers new ways to build secure Web service with the release of the Web Services Enhancements. This session will cover how to use the WSE to sign and encrypt SOAP messages, how to route messages over multiple intermediaries, how to send attachments with SOAP messages, as finally explain the underlying WSE architecture and how you can benefit from it.

September 12, 4:30 p.m.

Strategies for Passing and Caching Data

Johnny Papa

Squeeze the utmost performance out of your data access applications through smart caching and data passing strategies. Check out this session from one of our top data access speakers.

September 12, 4:30 p.m.

Best Practices for Deployment

Keith Pleas

"It runs on my machine!" is never a valid excuse. This session shows you how to design and build applications that will not roll over and die when deployed. You'll learn how to componentize, minimize dependencies, and package for smooth deployments.

“FTP has done a tremendous job with helping us build the developer community and really has become the conference for Visual Studio developers.”

— David Lazar,
Microsoft Group
Product Manager

Pre-Conference Workshops, September 8

Pre-Conference Workshops, September 9

Microsoft .NET Focus Day, September 10

ASP Live! Day One, September 11

9 a.m.	KEYNOTE: Microsoft.com Application Framework Larry Jordon, Microsoft.com Development Manager			
	ASP Live!			
10:30 a.m.	Exception Handling in ASP.NET Applications Don Kiely	C# Live!	SQL Live!	VBITS
11:45 a.m.	Build Transactional ASP.NET Pages and Web Services Juval Lowy			
12:45 p.m.	Lunch			
	ASP Live!			
2 p.m.	Protecting Server Data: The Data Protection API Don Kiely	C# Live!	SQL Live!	VBITS
3:15 p.m.	Web Service Security Juval Lowy			
4:30 p.m.	Hacked! How Hackers Break ASP.NET Web Sites — and What You Can Do About It Jeff Prorise			
5:45 p.m.	Build A Browser-based OLAP Reporting Solution Using ASP.NET Jeff Hasan			
6:30 p.m.	Opening Night Reception			
8 p.m.	Midnight Madness			

ASP Live! Day Two, September 12

9 a.m.	KEYNOTE: Data Access with Visual Studio .NET			
	ASP Live!			
10:30 a.m.	ASP.NET DataBinding Andrew Brust	C# Live!	SQL Live!	VBITS
11:45 a.m.	Postback / Creating and Handling Events in Custom Server Controls G. Andrew Duthie			
12:45 p.m.	Lunch			
	ASP Live!			
2 p.m.	Understanding and Implementing ASP.NET Presentation Design Patterns Jackie Goldstein	C# Live!	SQL Live!	VBITS
3:15 p.m.	Dig Into the ASP.NET DataGrid Control Ken Getz			
4:30 p.m.	User Authentication in ASP.NET Michiel de Bruijn			

Post-Conference Workshops, September 13

September 11, 10:30 a.m.
Exception Handling in ASP.NET Applications

Don Kiely

Structured exception handling is one of the best features of .NET, but how do you make it work in Web applications? ASP.NET has many default exception handling features, and the .NET common language runtime provides another set of features. How do you use these together for a robust, user-friendly Web app that recovers gracefully from problems? This session will cover how to put them all to use, culminating in a generic exception handler that puts a good face on a bad situation.

September 11, 11:45 a.m.
Build Transactional ASP.NET Pages and Web Services

Juval Lowy

.NET transactions support (via .NET Enterprise Services) makes managing a distributed transaction as easy and trivial as a single resource transaction. Developers using ASP.NET transaction gain both in quality and in productivity, because they can focus on the business logic of the application instead of managing errors and rolling back changes. This talk presents the essential aspects of transactional programming and then demonstrates how ASP.NET, ADO .NET and Web Services take advantage of transactions, as well as providing design guidelines for the interaction between ASP.NET and a transactional middle tier.

September 11, 2 p.m.
Protecting Server Data: The Data Protection API

Don Kiely

Starting with Windows 2000, the Data Protection API has been available at the operating system level, providing easy and very secure data protection services. The simple interface provides an interface to the Crypto API with a twist: it uses a key for encryption based on the current security credentials or, optionally, a machine-wide key available to any process. During this session, we'll explore the features of this API, how to integrate it into applications, and look at .NET classes that can encapsulate it without having to delve into the nasty details of cryptography! These techniques make for a great way to protect server data in an ASP.NET application.





“If you have already started using ASP.NET, then in order to take your skills to the next level, you need sessions that do more than regurgitate the manuals. You want new insights and techniques for dealing with the problems you face on a daily basis. And ASP Live! Orlando 2003 is focused to deliver exactly what you have asked for. Our sessions are aimed at the ASP 3.0 or ASP.NET developer who wants to make the next step. And all sessions are intermediate to advanced.

Serious content for advanced developers. Speakers and sessions that have been handpicked by a veteran ASP.NET developer. A conference legacy that delivers success. There really is no question about it: ASP Live! is the event for you. ”

— Chris Kinsman, Consultant and Founder of Guided Design, ASP Live! Conference Chair

September 11, 3:15 p.m.

Web Service Security

Juval Lowy

.NET allows developers to rely on either Windows authentication or to roll custom mechanisms, and there are a number of permutations to each choice. Each option has its own tradeoffs and implications on the programming models. This presentation explains and contrasts the various options, both on the service and on the client side, often shedding light on poorly documented and understood aspects. It presents simple yet powerful helper classes and utilities, for Web services authentication, authorization and impersonation.

September 11, 4:30 p.m.

Hacked! How Hackers Break ASP.NET Web Sites — and What You Can Do About It

Jeff Prosise

Security is a big deal in network applications, but it's even more important in applications deployed on the Web. Every day ASP.NET developers unwittingly deploy sites that are vulnerable to SQL injection attacks, cross-site scripting attacks, and other hacks. In this session, Jeff demonstrates the common attacks used against ASP.NET sites and provides step-by-step instructions on how to code against them. Fair warning: What you see here might scare you.

September 11, 5:45 p.m.

Build A Browser-based OLAP Reporting Solution Using ASP.NET

Jeff Hasan

With ASP.NET and Office Web Components (OWC) you can create a low-cost, browser-based reporting tool with sophisticated viewing and editing capabilities. This session describes the technical implementation of an ASP.NET-based OLAP reporting solution, shows you how to implement a secure, browser-based OLAP reporting solution that integrates with Microsoft Office, and will help you avoid the stumbling blocks that you will naturally encounter when building an OLAP reporting solution from scratch.

September 12, 10:30 a.m.

ASP.NET DataBinding

Andrew Brust

ASP.NET offers Web developers some of the same RAD, data binding niceties that have long been available to Windows developers. The good news is, this helps you meet IT economy demands to get those Web database apps out the door faster and cheaper than ever before. The challenge is that stateless ASP.NET data binding works much differently from traditional Windows Forms Data Binding and you'll need to master those differences to use the technology successfully. Come to this session to learn the ins and outs of ASP.NET Data Binding at design-time and in code and learn how to integrate strongly-typed DataSets into the Data Binding equation.

September 12, 11:45 a.m.

Postback / Creating and Handling Events in Custom Server Controls

G. Andrew Duthie

Attend this session and find out how the postback process works and explore the stages of the postback process. You'll learn which stages of the process are appropriate for which application activities and how to take advantage of postback processing. You'll learn what delegates are, and how they provide a framework for creating, raising, and handling events. You'll also see how to handle events exposed by inherited classes in custom server controls and how to create, raise, and handle custom events in your server controls.

September 12, 2 p.m.

Understanding and Implementing ASP.NET Presentation Design Patterns

Jackie Goldstein

This session will discuss several of the more useful design patterns and practices for building and displaying ASP.NET pages, such as the Model-View-Controller and the Page Controller patterns. The logic behind each pattern will be presented, as well as its pros and cons. An implementation of each pattern will also be demonstrated, to illustrate its real-world usage.

September 12, 3:15 p.m.

Dig Into the ASP.NET DataGrid Control

Ken Getz

The ASP.NET DataGrid is an incredibly powerful control. You can load it with data from many different sources, format its output, and sort and filter its data. You can edit, update, and delete rows in the grid, and add event procedures to handle clicking just about anything in the grid. You can provide your own templates for columns, adding just about any control you need for a particular column's display. Attend this session to find out how to take advantage of its best features.

September 12, 4:30 p.m.

User Authentication in ASP.NET

Michiel de Bruijn

In this session, you'll learn how to build and deploy a complete custom authentication ASP.NET HTTP handler with support for a wide variety of back-end databases, as well as the most common authentication scenarios, including the use of secure cookies and temporary download credentials. Also, you'll learn how to avoid the top 5 security mistakes made when developing and deploying Web services.

Pre-Conference Workshops, September 8






Pre-Conference Workshops, September 9

Microsoft .NET Focus Day, September 10

C# Live! Day One, September 11

9 a.m.	KEYNOTE: Microsoft.com Application Framework Larry Jordan, Microsoft.com Development Manager			
	C# Live!	SQL Live!	VBITS	ASP Live!
10:30 a.m.	Practical IL Primer: An Inside Look at Intermediate Language Andrew Troelson			
11:45 a.m.	Using the CodeDom to Wrap, Extend, Generate, Assemble and Load New Code on the Fly Josh Holmes			
12:45 p.m.	Lunch			
	C# Live!	SQL Live!	VBITS	ASP Live!
2 p.m.	.NET Message Queuing and Queued Components			
3:15 p.m.	Advanced Windows Forms: Threading, Performance, Exceptions and Resources			
4:30 p.m.	Leveraging the Power of Custom Attributes			
5:45 p.m.	.NET .Config Files De-Mystified			
6:30 p.m.	Opening Night Reception			
8 p.m.	Midnight Madness			

C# Live! Day Two, September 12

9 a.m.	KEYNOTE: Data Access with Visual Studio .NET				
	C# Live!	SQL Live!	VBITS	ASP Live!	
10:30 a.m.	Advanced Datagrid Programming: Pushing the Envelope of Advanced UIs Josh Holmes				
11:45 a.m.	.NET Context and Interception — And Why You Should Care Richard Grimes				
12:45 p.m.	Lunch				
	C# Live!	SQL Live!	VBITS	ASP Live!	
2 p.m.	The Common Language Infrastructure and Platform — Independent .NET Andrew Troelson				
3:15 p.m.	Practical .NET Security Richard Hale Shaw				
4:30 p.m.	Top 10 Best Practices for .NET Development Experts Panel including Tom Barnaby, Richard Grimes, Josh Holmes, Andrew Troelsen, Richard Hale Shaw				

Post-Conference Workshops, September 13

September 11, 10:30 a.m.

Practical IL Primer: An Inside Look at Intermediate Language

Andrew Troelson

There are practical benefits from knowing how — and when — to hand-code Common Intermediate Language (CIL). And knowing how .NET languages map their constructs to IL tokens can be incredibly useful towards getting more mileage out of a language tool. And if you're planning to use Reflection.Emit, you don't have any choice: an understanding of CIL is requisite. In this session, we'll discuss and explain these topics and how you can start mastering IL in your own applications.

September 11, 11:45 a.m.

Using the CodeDom to Wrap, Extend, Generate, Assemble and Load New Code on the Fly

Josh Holmes

The CodeDom is perhaps one of the most powerful but least understood parts of the .NET Framework: it gives you the ability to quickly and easily create logical program constructs, emit that code in a supported .NET source language, compile it into an Assembly, and load and execute it using reflection. But the question remains: when should you use it — and when shouldn't you? An easy answer would be: to write tools that generate source code, but after all, how many of us do that? More realistically, you may have applications that need to create rule-based engines, or you may need to generate a type-safe collection — on-the-fly, while your program is running. In this session, we'll explore the CodeDom, and how you can harness it to create applications and components that are extensible and flexible — even at runtime.

September 11, 2 p.m.

.NET Message Queuing and Queued Components

Tom Barnaby

With Microsoft's overwhelming focus on .NET's support for XML Web services, and attention in the developer community going to .NET Remoting, everyone seems to have forgotten an established, effective and robust means of distributed communication for applications and components: message queuing. While available to component-based systems since the advent of COM+, very few developers have discovered the power of asynchronous, disconnected operations via message-oriented middleware (MOM) solutions. In this presentation, we'll discuss when and where you should apply MOM, how to build queued components with the .NET Framework, and how to leverage MSMQ from managed code.



Black Belt Session



“The veteran .NET developer has little time for demoware, cute Web pages, or the presumed ubiquity of XML Web services.

In our C# Live! Conference, we've put together a host of topics, presentations and speakers who not only live and breathe Advanced .NET Development, but whose experience is tempered by a focus on the practical issue that many books and training materials tend to forget: an emphasis on shipping a software product. Come join us in Orlando this September and you'll get 2 solid days of the best .NET presentations anywhere. ”

— Richard Hale Shaw, Consultant and founder of the Richard Hale Shaw Group, C# Live! Conference Chair

September 11, 3:15 p.m.

Advanced Windows Forms: Threading, Performance, Exceptions and Resources

Richard Grimes

If there's any art of the .NET Framework that appears to deliver the classic RAD experience, it's the Windows Forms library: it appears to be so simple, easy to use, and you get nearly instantaneous results! But even the simplest Forms application may hide more complex issues that only surface later, such as how properties are used, performance problems in forms, and threading issues. Just how do you create a multi-threaded GUI that's efficient and safe? How do you deal with components that use combinations of both managed and unmanaged resources in a Form? And just how should exceptions be handled? In this session, come find out how Advanced Windows Forms development should really be done.

September 11, 4:30 p.m.

Leveraging the Power of Custom Attributes

Tom Barnaby

Custom Attributes let you extend the metadata stored in an assembly so that you can build programs that dynamically load and instantiate new types or wrap new behavior around existing program components at run-time. The key: knowing how and when to build Custom Attributes, and where best to apply them. In this session, we'll briefly review the basics of Attributes (syntax, CIL representation) and then jump into creating your own Custom Attributes, as well as how to detect and retrieve them via reflection. You'll even learn how to wire attributes into other Framework facilities (such as Exceptions) to leverage Context and Interception and create powerful, self-diagnosing/notifying program components. Come to this session to learn to master Custom Attributes.

September 11, 5:45 p.m.

.NET .Config Files De-Mystified

Richard Hale Shaw

Config files don't seem to be complicated — until you start to use them. When should you use a .config file and when shouldn't you? What is the relationship between Machine .config files and private application .config files, and what about components with their own .config files. How are configuration settings stored in an AppDomain and applied to your code? How do custom config file sections figure in; how do you apply them to your code? And how do config files in Remoting differ from ordinary application config files? In this session, we'll show how .config files can be powerful tools that can be routinely be applied to your applications and components, and how to get the most mileage out of them.

September 12, 10:30 a.m.

Advanced Datagrid Programming: Pushing the Envelope of Advanced UIs

Josh Holmes

The Windows Forms Datagrid looks soooooo easy! Just drop it on a form, configure a few properties and wire up a data source! But in reality, that's only where your troubles begin: just try to configure the TableStyles collection and the GridColumnStyles of each one. Suppose you want to underline a grid row, or handle double-click events in a grid cell: as soon as you try something that the grid doesn't handle directly, there's quite a bit of work involved. You quickly find out that the Grid is great for slapping together a quick demo, but it falls short when you start using it in a production application. In this talk, we'll delve beneath the hood of the DataGrid to see how it works, and push it beyond the “out of the box” behavior.

September 12, 11:45 a.m.

.NET Context and Interception — And Why You Should Care

Richard Grimes

All .NET objects run in a context: an environment that's selected or created for them whenever they're activated. That said: why should you care? What's the point of contexts, and when do you use them, anyway? In this session we will answer these questions. He'll explain when you use contexts and why, and he'll cover the details of how to get information about them and manipulate them at runtime. He'll also explain why some objects don't care about context, others can move between contexts, and some are bound to their contexts, and he'll show how to configure contexts, how to get information about them and how to write context plug-in code to create your own contexts.

September 12, 2 p.m.

The Common Language Infrastructure and Platform — Independent .NET

Andrew Troelson

.NET Is platform-independence in .NET a reality? Is it really possible to build .NET assemblies with Visual Studio .NET and run them unmodified on other platforms? If you really must modify them, what are the constraints and limitations? In this session, we'll discuss the reality of cross-platform assemblies via the Common Language Infrastructure (CLI): what it is, what it's used for, and how it makes cross-platform development possible. We'll also discuss the toolkit, the C# specifications, partition docs and the Mono project. And for grins, we'll write some programs using C# and run them via the FreeBSD on a Macintosh PowerBook.

September 12, 3:15 p.m.

Practical .NET Security

Richard Hale Shaw

Mention the word “security” and for many of us, our eyes glaze over: it's usually the domain of administrators and systems programmers. But .NET provides two excellent mechanisms — Code Access Security and Principal (or Role-Based) Security — that you can use to design and implement coherent security policies in your applications and components. Using these services, you can assign and enforce degrees of trust to your code (based on its origins and identity), specify what your code should be allowed to do (and never allowed to do!), and assign privileges to logical roles that control access to code elements and resources. In addition to looking at these issues, we'll also review the new security impositions placed on you in .NET Framework 1.1 (which comes with VS.NET 2003).

September 12, 4:30 p.m.

Top 10 Best Practices for .NET Development

Experts Panel including Tom Barnaby,

Richard Grimes, Josh Holmes, Andrew Troelsen,

and Richard Hale Shaw







When all's said and done, it's not just techniques that build an application, but how you apply the techniques. What makes for the best tools for .NET development? Should you package your components into multiple assemblies? When do you apply strong names to your assemblies — and why? In this no-holds-barred session, our expert speakers will give you their recommendations for Best Practices, and they'll answer the questions you may have based on their own development experiences with the .NET Framework.

Pre-Conference Workshops, September 8

Pre-Conference Workshops, September 9

Microsoft .NET Focus Day, September 10

SQL Live! Day One, September 11

9 a.m.	KEYNOTE: Microsoft.com Application Framework Larry Jordon, Microsoft.com Development Manager				
	SQL Live!	VBITS	ASP Live!	C# Live!	
10:30 a.m.	Indexing for Performance — Finding the Right Balance Kimberly L. Tripp				
11:45 a.m.	Understanding Logging and Recovery — What Programmers Always Avoid Until It's too Late! Kimberly L. Tripp				
12:45 p.m.	Lunch				
	SQL Live!	VBITS	ASP Live!	C# Live!	
2 p.m.	Pedal to the Metal: Maximize your SQL Server's Performance Gert E. R. Drapers				
3:15 p.m.	Max Rows/Sec: How to Optimize Data Loading Performance Gert E. R. Drapers				
4:30 p.m.	The Need for Speed Robert Patton				
5:45 p.m.	SQL Server Query Tuning for the Software Developer David Gugick				
6:30 p.m.	Opening Night Reception				
8 p.m.	Midnight Madness				

SQL Live! Day Two, September 12

9 a.m.	KEYNOTE: Data Access with Visual Studio .NET			
	SQL Live!	VBITS	ASP Live!	C# Live!
10:30 a.m.	MDX Without Fear Andy Catlin			
11:45 a.m.	Build Next-Gen OLAP Apps with XML for Analysis Andy Catlin			
12:45 p.m.	Lunch			
	SQL Live!	VBITS	ASP Live!	C# Live!
2 p.m.	Exploring T-SQL in SQL Server Johnny Papa			
3:15 p.m.	SQLXML 3.0: SQL and XML Done Right Don Kiely			
4:30 p.m.	SQL Under Siege: Injection Attacks and How to Prevent Them Don Kiely			

Post-Conference Workshops, September 13

September 11, 10:30 a.m.
**Indexing for Performance
— Finding the Right Balance**

Kimberly L. Tripp

There is no other area in the product where you can get better performance gains than with indexes. Ironically, this is also the most misunderstood and improperly maintained area as well. In this session we will look at what indexes are, why they are beneficial, when they can become a burden and how to get the best balance of indexes for performance. This session will cover quite a few recommendations, a very broad number of concepts — including index maintenance and numerous tips on how to get better performance without being an indexing and internals expert.

September 11, 11:45 a.m.
**Understanding Logging and Recovery
— What Programmers Always Avoid
Until It's too Late!**

Kimberly L. Tripp

When the transaction log fills (or becomes large) many developers run right for automating periodic truncation of the transaction log. While you have simplified one problem, you have created another. In this session you will learn best practices for keeping the transaction log manageable, how transaction logging affects performance and recovery as well as when to set and or change between each of the Recovery Models. Know how to minimize data loss!

September 11, 2 p.m.
**Pedal to the Metal: Maximize your
SQL Server's Performance**

Gert E. R. Drapers

Do you understand what Performance Monitor is trying to tell you? Go beyond the query-based culprits of poor performance; learn to apply queuing and wait theory to determine the bottlenecks within your SQL Server environment. This session will detail how to combine the theory of queues and wait with the information supplied by performance counters, virtual tables, DBCC commands and SQL Trace to identify hotspots in your environment.



Black Belt Session



“Lots of important developments have been taking place on the SQL Server landscape. The release of the 64-bit version of SQL Server 2000 Enterprise Edition... details of Yukon — the next version of SQL Server... the continued lean times in IT meaning more and more of us are required to be experts not only in data access programming, but in administration, performance, and optimization on the server as well...”

SQL Live! will deliver tips and tricks for data access programming against SQL Server that address the resulting opportunities and challenges awaiting you in your jobs as database professionals. ”

— Andrew Brust, President of Progressive Systems Consulting, SQL Live! Conference Chair

September 11, 3:15 p.m.

Max Rows/Sec: How to Optimize Data Loading Performance

Gert E. R. Drapers

If you have 100 million+ rows of data to load each night, what is the best data loading strategy? Learn how BCP and BULK INSERT really work, learn to take advantage of them, and to create the most optimal data loading application. This session discusses the internals and architecture of bulk data loading. What is the best way to load blobs, perform inline data type conversions, and use partitioning? These issues and more will be discussed in detail.

September 11, 4:30 p.m.

The Need for Speed

Robert Patton

No query can run fast enough. Instead of relying on tuning specific queries, learn how to write better queries! Come and learn how to get your data in the fastest and most efficient manner, how to build a better WHERE clause, how to write queries that are more likely to reuse execution plans and how to avoid many of the more common pitfalls. You'll leave knowing how to write your queries, making them and all other queries that execute simultaneously perform better.

September 11, 5:45 p.m.

SQL Server Query Tuning for the Software Developer

David Gugick

This session will deliver a step-by-step approach for tuning queries in SQL Server for optimal performance. Learn how to analyze database activity, optimize queries and address performance problems using SQL Server tools like Query Analyzer and Profiler. Learn to interpret query execution plans and performance metrics. Learn the best use of clustered and non-clustered indexes for optimizing your queries. You'll find out why stored procedures are the preferred method of SQL execution.

September 12, 10:30 a.m.

MDX Without Fear

Andy Catlin

Multi Dimensional Expressions (MDX) has emerged as the SQL-like standard across OLAP vendors. MDX is the key to building non-trivial OLAP applications. We'll write MDX including code that allocates portions of an ancestor member's value across its descendants (useful in budgeting and forecasting applications) and projects Relative Percentage Contribution of a descendant member to an ancestor. You'll also see how to prototype MDX queries as MDX expressions and you'll get a deep understanding of members, tuples, and sets.

September 12, 11:45 a.m.

Build Next-Gen OLAP Apps with XML for Analysis

Andy Catlin

Microsoft offers XML for Analysis (XML/A) as an alternative OLAP programming interface to ADO MD. In this presentation, you'll see how you can use XML/A today to create great .NET applications, and how you'll be able to further leverage XML/A as it becomes increasingly important in the Yukon timeframe. We'll look at a case study where XML/A was used to communicate between a Java Applet cube browser and a Microsoft Analysis Services cube.

September 12, 2 p.m.

Exploring T-SQL in SQL Server

Johnny Papa

This session will demonstrate how to use stored procedures, triggers, functions, views and other T-SQL constructs in enterprise solutions. We'll examine basic T-SQL planning and demonstrate key points with code examples, including special T-SQL commands that enhance queries and improve interaction of stored procedures with ADO. We'll also cover auditing databases using triggers, calling ActiveX servers from T-SQL, and using temp tables to improve query performance.

September 12, 3:15 p.m.

SQLXML 3.0: SQL and XML Done Right

Don Kiely

Microsoft has been trickling out XML features for SQL Server 2000 ever since it was originally released, and the pace is increasing as Yukon approaches. The third version of the SQLXML tools contains some easy and efficient ways to integrate XML data into applications, including setting up SQL Server as a Web services server. It even includes managed classes for use with .NET applications. During this session you'll see how to build this XML tier into your applications and see how the various tools fit together.

September 12, 4:30 p.m.

SQL Under Siege: Injection Attacks and How to Prevent Them

Don Kiely

SQL injection attacks are the buffer overrun vulnerability of the database world. Hidden from view and hard to track down, they can allow someone with moderate database knowledge and an evil heart to run random code in your SQL Server. Are you checking code for these kinds of attacks? Is your server vulnerable? This session will explore how these attacks work, the progressive methods an attacker can systematically ferret out details of your server and expose information, and how to lock down your server to prevent against these attacks.

Take Advantage of **7** Pre- and Post-Conference Workshops

The minds that bring you the editorial excellence of *Visual Studio Magazine* have brought together the industry's most distinguished speakers working with .NET and complementary technologies in these full-day, in-depth seminars. Each workshop dives into the heart of what you need to either prepare yourself for the conference ahead, or summarize the details of what you learned in the main-conference sessions.

Get the VSLive! Gold Passport and attend all three days of pre- and post-conference workshops for free! Or, add them your ASP Live!, C# Live!, SQL Live! or VBITS registration for the low daily rate of \$325.

Crash Course on ASP.NET *Rockford Lhotka*

ASP.NET and Web Forms move server-side Web development to a whole new level. Attend this full-day seminar and you will learn how to construct ASP.NET pages using both text editors and Visual Studio .NET. You'll learn how to work with common UI elements in Web Forms, including HTML tags, and advanced Web Forms controls such as the Repeater and DataGrid. We'll explore the basics of

retrieving and updating data using ADO .NET, and see how data binding can dramatically simplify the code in your pages. We will also cover the infrastructure and framework behind ASP.NET, including the basic compilation model, the runtime model, security and deployment. In short, this workshop will take you from zero to productive in one day.

Pre-Conference Workshops

September 8
9 a.m. to 6 p.m.

Build a Rich Client App with Visual Studio .NET *Brian Randell and Ken Getz*

This workshop digs into several areas important to anyone creating Windows-based client-side applications using Visual Studio .NET. You'll learn to take advantage of visual inheritance to leverage and reuse existing forms, and how to properly take advantage of the .NET asynchronous programming model when creating Windows forms. You'll learn to print text and graphics from within Windows applications, and how to bind forms and controls to data, properties, and more. You'll investigate many of the visual features provided by GDI+, and how to get started creating your own custom controls. Come and learn to be a Windows forms wizard!

September 9
9 a.m. to 6 p.m.

OOP in Visual Basic .NET *Deborah Kurata*

This workshop will be your ultimate crash course on object-oriented programming for Visual Basic .NET developers. You'll learn how to use OO techniques to architect, design and develop great Windows and Web applications. You'll see how to use parameterized constructors, function overloading, static class data, and inheritance-based polymorphism. We'll also explore how and when to use implementation inheritance and interface inheritance. Nine hours of straight talk and OOP immersion promise to launch your skill set to the next level, guaranteeing you'll be ready for tomorrow's best OO practices.

Optimize Your SQL Server 2000 Database with Ease *Kimberly L. Tripp*

In most of today's SQL Server database systems there are two primary areas where performance can be greatly improved: procedural code and indexing. This workshop will look at these two areas in depth and with focus on optimization. We'll take a close look at the many aspects of achieving high performance through proper indexing, and we'll review index internals, move on to Indexing for Performance with a variety of effective strategies and then continue to Index Maintenance. To keep a database compact and the performance optimal, you must periodically rebuild/defrag your indexes. Understanding the structures of indexes and why indexes can become fragmented is half the battle, but knowing the right way to rebuild and how to automate the process is the other half. With the right indexes in place your code should run really well — but will it? Unfortunately, not all procedural code should be reused and often code that should be is not being cached. In the second half of this workshop, we will look at how to get better cache utilization and plan reuse, when it is appropriate to allow the procedure to recompile, how to minimize code that causes excessive recompiles, how and why procedural code should be modularized and excellent tips on knowing when plans should and should not be saved in cache! If you've ever wanted to figure out tips and tricks to improve your backend database performance, this is the place to be!

Post-Conference Workshops

September 13
9 a.m. to 6 p.m.

Best Practices for Enterprise Development

Rockford Lhotka and Chris Kinsman

Developing enterprise-level applications requires more upfront planning and more procedures, not only to coordinate the larger team doing the development, but to make sure the application is maintainable and deployable. Simply tossing the app over the wall is no longer acceptable; the server architecture and IT support issues and systems must be considered in the development stage. Learn what the best practices are from our presenters with experience working with numerous enterprise-level projects. Topics covered will range widely, from team-oriented development, to design patterns - their use and abuse - to integration with system management tools. Learn the tradeoffs between different techniques and tools from homegrown to commercial.

Application Architecture & Design

Keith Pleas and Billy Hollis

This workshop starts with an application architecture framework and then drills down into specific .NET designs and implementations. Using design patterns, you will learn how to build a user process that targets both Web and Windows Forms, adapt N-tier designs for distributed smart clients, and distribute data with the client. Also covered are techniques for encapsulating and re-using code, building a data access layer, error handling strategies, and instrumenting applications for management and control.

Hands-On .NET Remoting: Building Distributed .NET Components in C#

Richard Hale Shaw

.NET Remoting is designed for .NET-to-.NET communications. Because it's .NET on both sides, building distributed objects with it allows for a infinitely more choices — and infinitely more complexity. To create even a simple remote object with Remoting requires that you select the port, protocol and object URI: characteristics that are more or less determined for you if you use Web services. Plus, you have to think in terms of building objects that can be invoked remotely (MBR) vs. objects that can be passed from one application to another to run on the destination system (MBV), as well as how to distribute their MetaData, start the host application, and deal with object lifetime — none of which have any real correspondence to Web Services, but which give you more flexibility with Remoting. In this full-day workshop, we'll remove the complexity through a series of hands-on labs, an emphasis on Best Practices, and a focus on building Remoting objects using C# (although you can use VB .NET just as easily). We'll start by building simple remote objects that you can invoke a number of ways, and then — via lecture and hands-on labs — focus on some key issues.

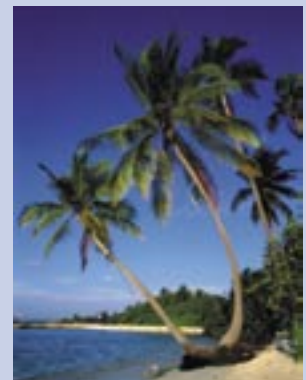
Hands-On Lab!
Bring Your Laptop!

Celebrate the Power of 10!

Wrapping up our 10th Year of Successful Conferences

For over a decade VSLive! conferences have been bringing you real-world, pragmatic tips and techniques for developing better and faster with Microsoft technologies. Join the editors of *Visual Studio Magazine* and the members of the Component Vendor Consortium in celebrating this anniversary with a trivia contest that tests your knowledge of the community's evolution in a fun, interactive way.

- Quizzes and challenges posted between now and VSLive! Orlando
- Winners regularly announced throughout the contest — gain unlimited books, software and other prizes just for knowing your stuff
- The grand prize winner will be announced onsite at VSLive!'s Midnight Madness — you could win a week's vacation to Hawaii!



For details and contest rules visit www.vslive.com/10

Visual Studio
Magazine

 **Component Vendor Consortium**

Enjoy the comfort and convenience of the JW Marriott Orlando Grande Lakes Resort

Stay at the JW Marriott Orlando Grande Lakes and you'll be seconds away from all of the conference sessions, workshops and events. The brand-new resort opened this July with a Greg Norman-designed, championship golf course, 40,000-square-foot spa, and high-speed wireless access throughout the hotel. Bringing the family with you? You'll also enjoy being conveniently located near Discovery Cove, Universal Studios and Walt Disney World. We've secured the special rate of \$169/single, \$189/double per night available only for conference attendees.

To reserve your room, please call Marriott Reservations at 800-228-9290 by August 9, 2003 and mention that you are an attendee of VSLive! presented by Fawcette Technical Publications.

JW Marriott Orlando Grande Lakes Resort

4040 Central Florida Parkway
Orlando, FL, 32837, USA
Tel: 407-206 2300
Fax: 407-529 2230



➡ One convenient package with bonus discounts!

For your comfort and convenience, let us book your stay at the brand new JW Marriott Orlando Grande Lakes Resort when we process your VSLive! registration. We'll arrange for a six-night stay for the Gold Passport attendees, or four-night for developers attending VBITS, ASP Live!, C# and SQL Live! conferences. Simply check the "with hotel" option on your conference registration form on page 20, or register online at www.vslive.com/orlando.

** We'll contact you in advance of the conference to confirm your booking. Rates based \$169 single room fee, plus taxes. Offer expires two weeks before the conference.*

Getting there and away

The JW Marriott Orlando Grande Lakes is conveniently located 10 miles northeast of Orlando (MCO) Airport, and just off highway 423.

Fly United or Delta and save

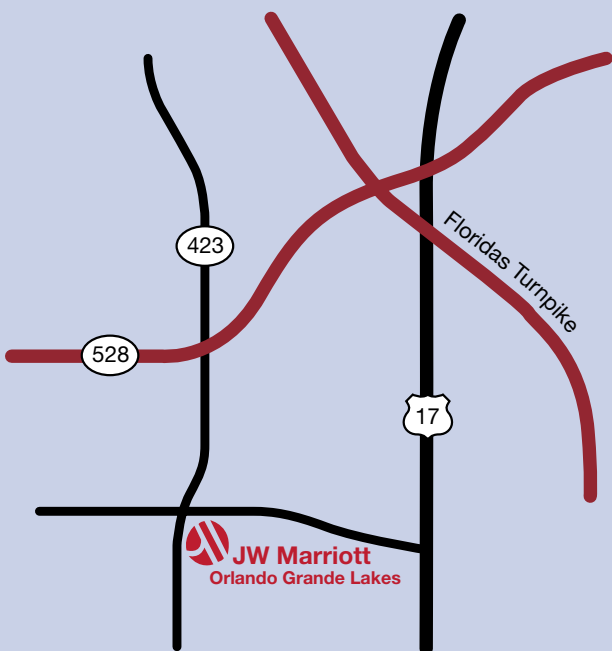
VSLive! attendees qualify for discounts of 5% to 15% off fares for United and Delta Airlines. Some restrictions apply.

- For United opportunities, call United's Specialized Meeting Reservations at 800-521-4041 and reference ID number: 515GA.
- For Delta opportunities, call Delta Meeting Network Sales at 800-241-6760 and reference ID number: 193838A.



Cut costs with Hertz

Hertz is also offering special discount rates on rental cars to all VSLive! attendees. Call 800-654-2240 and reference ID number: 022L0773 for more information.



Hotel & Registration Details

Registration Confirmation

Registrations received two weeks prior to the conference will be confirmed by mail or e-mail. Conference materials will not be mailed. Registration will open the morning of September 8. Exact time and location will be announced with your registration confirmation.

Cancellation Policy

You may transfer your conference registration to another person within your organization at any time. If you must cancel, notify the conference registrar in writing by July 30, 2003 to receive a refund, less a \$150 cancellation fee. Cancellations made after July 30, as well as "no-shows" are liable for the full registration fee.

In the event that VSLive! is cancelled by FTP, Inc., registration fees only will be refunded. Cancellations of travel and hotel reservations are the responsibility of the attendee.

Speakers

The speakers in this brochure are leading professionals in their respective fields. Should a speaker be unable to attend the conference, all efforts will be made to replace that faculty member with one of comparable experience and qualifications.

Photo Release

From time to time we use photographs of conference participants in our promotional materials. By virtue of your attendance, you automatically agree to the use of your likeness in such materials.

Special Requirements

If you foresee any special requirements while attending VSLive! (dietary, access or otherwise), please contact the conference registrar at least one month in advance, and we'll do our best to accommodate your wishes. Call 800-848-5523 (or 650-833-7100) for more information.

Discounts

Alumni

Attendees of past FTP, Inc. conferences save an additional \$50 off all registration fees when they sign up by July 30, 2003. Your alumni package should be arriving in the mail soon with full details. Call 800-848-5523 (or 650-833-7100) for more information.

Corporate & Developer Teams

Bring your colleagues and the rest of your developer team, and we'll extend even greater savings to the group when you register together. To qualify, all registrations must be paid on the same transaction with a corporate check or credit card. Call 800-848-5523 (or 650-833-7100) for more information.

Visual Studio User Groups & SIG Members

Members of INETA and other bona fide user groups active with Visual Studio and ASP.NET, and registered with Microsoft's user group coordinator can save even more when partnered with the VSLive! conference. Call 800-848-5523 (or 650-833-7100) or e-mail Jennifer Brucker, Conference Marketing Director, at jbrucker@fawcette.com for more information on participation and registration.

Tax Deductions

Conference expenses may be tax deductible. Treasury regulation 1.1625 permits an income tax deduction for educational expenses undertaken to 1) maintain or improve skills required in one's employment, or 2) meet express requirements of an employer. Visit www.irs.ustreas.gov/bus_info for more information.



Registration Options

Registration includes lunches, product demonstrations and receptions.

Best Value! The VSLive! Gold Passport

As a Gold Passport holder you'll receive maximum benefits and savings. Move freely between all conference sessions, workshops and special events. Plus select the "with hotel" option and enjoy the luxury and comfort of staying at the brand-new JW Marriott Orlando Grande Lakes, the host hotel for VSLive! Orlando. Your conference registration will then include accommodation at the hotel for 6 nights — from Sunday, September 7 through check out on Saturday, September 13.

September 8-13	Standard	Early Bird*	Super EB*
Gold Passport	<input type="checkbox"/> \$2695	<input type="checkbox"/> \$2495	<input type="checkbox"/> \$2395
GP with Hotel	<input type="checkbox"/> \$3825	<input type="checkbox"/> \$3625	<input type="checkbox"/> \$3525

Or, customize your week with any conference packages listed below, and choose the "with hotel" option to enjoy a 4-night stay at the brand-new JW Marriott Orlando Grande Lakes, the host hotel for VSLive! Orlando.

The Conferences

September 10-12	Standard	Early Bird*	Super EB*	Add-On**
VBITS	<input type="checkbox"/> \$1295	<input type="checkbox"/> \$1095	<input type="checkbox"/> \$995	
ASP Live!	<input type="checkbox"/> \$795	<input type="checkbox"/> \$595	<input type="checkbox"/> \$495	<input type="checkbox"/> \$425
C# Live!	<input type="checkbox"/> \$795	<input type="checkbox"/> \$595	<input type="checkbox"/> \$495	<input type="checkbox"/> \$425
SQL Live!	<input type="checkbox"/> \$795	<input type="checkbox"/> \$595	<input type="checkbox"/> \$495	<input type="checkbox"/> \$425

The Workshops

Add a pre- or post-conference workshop day to your conference package at the daily rate of **\$325**.

September 8	<input type="checkbox"/> Build a Rich Client App with Visual Studio .NET
September 9	<input type="checkbox"/> OOP in Visual Basic .NET <input type="checkbox"/> Crash Course on ASP.NET <input type="checkbox"/> Optimize Your SQL Server 2000 Database with Ease
September	<input type="checkbox"/> Best Practices for Enterprise Development <input type="checkbox"/> Application Architecture & Design <input type="checkbox"/> Hands-On .NET Remoting: Building Distributed .NET Components in C#

Workshops are only available when added to a conference registration. For your best value, consider upgrading to the Gold Passport with automatic access to all pre- and post-conference workshops.

The Hotel

☐ Let us book your stay at the JW Marriott Orlando Grande Lakes Resort when we process your registration. We'll arrange for your check in on Tuesday, September 9, and book your 4-night stay through check out on Saturday, September 13 in one of the Marriott's four-star, luxury rooms at the daily attendee rate \$169 plus taxes/\$755 total.

* You'll receive our special discounts if you act now. To save at least \$300 in Super Early Bird savings, sign up by July 9, 2003. To save at least \$200 in Early Bird savings, sign up by July 30, 2003. To achieve these discounts, your registration must be postmarked and paid in full by these dates.

** For a limited time you can add a second conference to your registration for a fraction of the regular cost. But you must hurry. After July 30, prices go back to the standard rates.

4 Ways to Register

ONLINE: www.vslive.com/orlando
PHONE: 800-848-5523 (or 650-833-7100)
FAX: 650-321-3818
Mail: Conference Registration
Fawcette Technical Publications, Inc.
913 Emerson Street
Palo Alto, CA 94301-2500

Register Me Now!

Please fill out completely and print or type information as you wish it to appear on your badge. Photocopy this form for additional registrations.

Name _____
Title _____
Company _____
Address _____
City _____ State _____ Zip _____
Country _____
Telephone _____
Fax _____
E-mail _____

Payment Options

Spaces cannot be confirmed until payment is received in the form of check, credit card or money order. Invoices are available for a \$25 processing fee.

Total amount: _____

☐ Check Enclosed (Make checks payable to Fawcette Technical Publications, Inc.)

Charge my ☐ VISA ☐ MasterCard ☐ American Express

Card no. _____

Exp. _____

Name on card _____

Signature _____

Attention Alumni

Attendees of past FTP, Inc. conferences save an additional \$50 off all registration fees when they sign up by July 30, 2003. Your alumni package should be arriving in the mail soon with full details. Call 800-848-5523 (or 650-833-7100) for more information.

Cancellation Policy

You may transfer your conference registration to another person within your organization at any time. If you must cancel, notify the conference registrar in writing by July 30, 2003 to receive a refund, less a \$150 cancellation fee. Cancellations made after July 30, as well as "no-shows" are liable for the full registration fee.

In the event that VSLive! is cancelled by FTP, Inc., registration fees only will be refunded. Cancellations of travel and hotel reservations are the responsibility of the attendee.

Fawcette Technical Publications, Inc. ■ 913 Emerson Street, Palo Alto, CA 94301-2500

MAILROOM

IF ADDRESSEE NO LONGER WORKS HERE, PLEASE ROUTE THIS TO THE TRAINING DIRECTOR OF MIS DEPARTMENT.