

VSLive!

Visual Studio Developer Conference

San Francisco
February 9-14, 2003

Learn to Build **.NET** Applications Today!

VBITS
Visual Basic Interview
Techniques

ASPLive!
ASP Developers Conference

#Live!
C# Developers Conference

SQLLive!
SQL Developers Conference



Turn to Page 5
for Contest Details!

Bill Gates
introduced
Visual Studio .NET
at VSLive!
San Francisco 2002



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"Everett"

And...

Keynote Featuring
Yukon, the Next
Version of SQL Server



It's Time for Real World .NET Development

Getting your mind around Microsoft .NET is tough because it is such a huge subject. .NET is redefining how all IT development will be done.

Our goal with VSLive! is to first help you learn what you need to know about the .NET architecture, and then burrow deep into the subjects you need to master. We assemble a unique mix of speakers with real world experience implementing .NET systems. This expert faculty gives you objective input on what it's really like to build enterprise systems. You'll get practical advice, as well as insight from the Microsoft development team on what is around the corner.

““ My brain is going to explode... But it's a good thing! ””
howled attendees during VSLive! Orlando last September

VSLive! San Francisco 2003 continues in that tradition with more practical code—and architecture—in rigorous sessions on the full range of technologies that comprise .NET. Whether you're focused on how **data access** is being completely re-invented with **ADO .NET**, best ways to optimize **VB code**, or **hard-core C#** work, there are sessions and workshops designed for your unique needs. This conference also covers Yukon, the next release of Microsoft SQL Server. With the integration of the CLR, suddenly the full capabilities of SQL Server are opened up to direct programming with all the .NET Languages. This promises to substantially change how RDBMS' are used.

Join us in San Francisco and find flexibility to build a program to match your interests, with separate conferences on ASP.NET, VB, SQL and C#, plus a full day on .NET architecture, and deep-immersion workshops. For your best value, check out the Gold Passport that gives you carte blanche to the entire event, plus special services. Other conferences may do cheap imitations of everything from our workshops to the exclamation point on the end of "live!" but for ten years now, there has been only one VSLive!

I look forward to seeing you there,

P.S. For your best value, sign up for the Gold Passport by December 11 and save \$2000 off the full rate while getting access to every session, workshop, event and special premiums. Plus a **free hotel night for alumni**. Call 800-848-5523 toll-free for details.

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VSLive!

Visual Studio Developer Conference

.NET FOCUS DAY



FREE with any conference package!

4 Join David Lazar, Group Product Manager of Microsoft's Developer Tools Division, for an exciting look at Visual Studio .NET's advancements.

KEYNOTES AND SPECIAL EVENTS



Open to all attendees

5 Join all fellow attendees as well as speakers, exhibitors and sponsors at VSLive! keynotes and special sessions and events open to every participant in San Francisco.

At VSLive! Orlando'02, five industry experts got into an animated discussion on how to manage software better. Alan Cooper, Grady Booch and Alan Brown were just a few on the panel.

MAIN CONFERENCES

Personalize your week with sessions from four unique conferences, each packed with cutting-edge content on the latest advancements with Microsoft .NET, as well as insider tips and techniques for traditional applications. The main events span Wednesday and Thursday, February 12-13.

6 **VBITS**
Visual Basic .NET
Developers Conference

12 **#Live!**
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10 **ASPLive!**
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14 **SQLLive!**
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WORKSHOPS

16 **February 9**

- Build a Rich Client App with Visual Basic .NET

February 10

- Hands-On C# Programming
- A Crash Course on ASP.NET
- OOP in Visual Basic .NET
- Developing and Packaging Commercial Software for the .NET Platform

February 14

- Migrate Your Apps to Visual Studio .NET Today
- Build and Maintain High Performance Databases with SQL Server 2000
- Build Web Services in .NET
- Become a .NET Data Access Guru in One Day

EXHIBITION

18 The conference doesn't end when the sessions do. All attendees are invited to participate in live demos and networking opportunities with the VSLive! sponsors and exhibitors in the Exhibit Hall, Tuesday through Thursday, February 11-13.



It happens every time Microsoft announces a new version of Visual Studio—the upgrades and development of new products soar. Attendees at VSLive! Orlando'02 got hands-on experience with many newly-released alpha, beta and R&D versions of new tools.

Featuring Special Announcements on the Next Version of Visual Studio .NET!

TUESDAY, FEBRUARY 11, 2002

9 AM	KEYNOTE: Visual Studio .NET: Built for Today, Ready for Tomorrow David Lazar, Group Product Manager, Developer Tools Division, Microsoft
10:30 AM	Building Windows Applications with Visual Studio .NET Microsoft
11:45 AM	Visual Studio .NET Data Access Microsoft
12:45 PM	Lunch
2 PM	Web Application Development in Visual Studio .NET Microsoft
3:15 PM	Building and Consuming XML Web Services Yasser Shohoud, Microsoft
4:30 PM	Middle-Tier Component Development in Visual Studio .NET Microsoft
5:45 PM	Deploying Visual Studio .NET Applications Microsoft

Building Windows Applications with Visual Studio .NET

Microsoft

Tuesday, February 11, 10:30 a.m.

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.

Visual Studio .NET Data Access

Microsoft

Tuesday, February 11, 11:45 a.m.

.NET is here for all COM-based ADO developers! Attend this session for an in-depth look at ADO .NET—how it's different, how it's the same and how to get the best performance. You'll get a look at the new ADO .NET Managed Providers included in the System.Data namespace. You'll see how ADO .NET helps create procedures to fetch and modify your data—with or without parameters, plus get a demonstration of the construction of hierarchical result sets. You'll see how ADO .NET makes it easy to populate, navigate and update these data structures, too.

Web Application Development in Visual Studio .NET

Microsoft

Tuesday, February 11, 2 p.m.

With Visual Studio .NET, your experience in building rich

Windows applications easily translates into expert Web development. Attend this session and find out how to bridge the gap between Windows and the Web. We'll discuss new technologies such as ASP.NET and Web Forms that bring Web application development within reach for all developers.

Building and Consuming XML Web Services

Yasser Shohoud, Microsoft

Tuesday, February 11, 3:15 p.m.

We'll go beyond the hype surrounding Web services and show you how to leverage them with practical applications. Assuming you already know the basics of Web services, we'll start by examining types of applications that could benefit from using Web services. We'll then examine an example application of each type including application integration, business-to-business integration, and content delivery. We'll spend a greater part of the hour examining working code to understand the techniques and challenges of applying Web services.

Middle-Tier Component Development in Visual Studio .NET

Microsoft

Tuesday, February 11, 4:30 p.m.

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.

Deploying Visual Studio .NET Applications

Microsoft

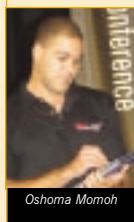
Tuesday, February 11, 5:45 p.m.

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.

DEVELOPING APPS FOR MOBILE CLIENTS

Finally, .NET tools for writing mobile apps are arriving. Out of demoware and into shipping bits, the Microsoft Compact Framework, which debuted at VSLive! Orlando'02, should be shipping early in 2003. **Join us at VSLive! San Francisco and learn how to put the MCF to work building real world programs to connect to corporate applications.**

Microsoft is promising to bring the RAD productivity of Visual Studio to bear on writing apps for mobile clients, from cellular phones, to PDA-like devices using everything from WiFi to GSM- and CDMA-modems. We'll feature special sessions in honor of our 10th Anniversary event, and delve into the real issues of creating, deploying, and managing security and performance issues, giving mobile workers access to corporate applications.



Oshoma Momoh

The hot content is still under wraps, but visit our Web site at www.vslive.com/sf for details as the session descriptions are released.

Meanwhile, to check out the features of the MCF, see our Orlando'02 keynote by Oshoma Momoh, Product Unit Manager, Microsoft. You'll find streaming video with synchronized slides available at www.fawcette.com/MobilityKeynote.

Attendees!

Keynotes, Bonus Sessions and Special Events

Join all fellow attendees as well as speakers, exhibitors and sponsors at VSLive! keynotes, special sessions and events open to every participant in San Francisco.

VSLive! Keynotes

VSLive! keynotes promise to illuminate the future of .NET development, opportunity and productivity. What lies ahead with the next version of Visual Studio, and how is the next version of SQL Server adapting to the changing data access landscape? How can you best optimize your development projects? Join these experts as they deliver their vision for how to develop and deliver better and faster.

Keynotes are open to all VSLive! attendees—make sure you add them to your personal schedule while in San Francisco!



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

David Lazar, Group Product Manager, Developer Tools Division, Microsoft

Tuesday, February 11, 9 a.m.

Visual Studio .NET delivers groundbreaking improvements to the world's most popular developer tool set. Join David Lazar, Group Product Manager of Microsoft's Developer Tools Division, in an engaging discussion on the capabilities of Visual Studio .NET. Learn how to address today's most pressing application development challenges and get a sneak peek at enhancements Microsoft is planning for the next version.



Best Approach to Software Management: A Discussion

Point/Counter-point Discussion, Featuring Interaction Design Guru Alan Cooper

Wednesday, February 12, 9 a.m.

Looking for practical techniques to optimize your development projects? Join our two distinguished experts as they discuss a wide range of topics that will help you choose the right way to deliver the right software, on time. Based around key process areas our software management experts will examine various ways to implement best practices



Database of the Future: A Preview of Yukon and Other Technical Advancements

David Campbell, Product Unit Manager, SQL Server Engine, Microsoft

Thursday, February 13, 9 a.m.

The next major release of SQL Server, code-named Yukon, promises airtight security and fast, scalable data access at your finger tips. David Campbell has been working on the development of Microsoft SQL Server for over 7 years and he wants to share his vision of the future of data access with you. You will hear about technical advancements in the areas of programmability, manageability, scalability, availability, and business intelligence. Come see what's looming in the horizon in the fast-changing landscape of data access development.

Sponsored by:

Bonus Workshop!

Developing and Packaging Commercial Software for the .NET Platform

Monday, February 10, from 9 a.m.

Open to all VSLive! attendees, this workshop is designed around the unique requirements of software developers writing commercial software for wide distribution that targets the .NET Framework. We'll look at compilation and build options, strong naming and the GAC, native image generation, protecting intellectual property through code obfuscation and other methods, as well as packaging external resources for localization, publisher policy, and zero touch application updates.

All registered attendees will receive a complimentary copy of the .NET Toolkit—a \$1,500 value!

Sponsored by:

VSLive! Exhibit Hall Reception

Wednesday, February 12, from 6:30 p.m.

Enjoy an evening of cocktails and hors d'oeuvres while checking out the latest tools that complement the Visual Studio toolset.

Sponsored by:

Midnight Madness

Wednesday, February 12, 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.



Celebrate the Power of 10!

VSLive!'s 10th Anniversary and Contest

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 VSLive! team in a celebration of ten year's of success with a fun, interactive contest—you could be eligible to win an assortment of prizes with an overall value of \$25,000!

- 10 weeks of quizzes and challenges posted online throughout the www.vslive.com and www.visualstudiomagazine.com Web sites
- A winner a week—unlimited books, software and other prizes can be yours just for knowing your stuff!
- All correct entries generate points that count towards a grand prize. The grand-prize winner will be announced at VSLive! San Francisco.

For complete details on the prizes and contest rules, go to www.vslive.com today!





VSLive! Conference Chair: Keith Pleas, Guided Design


Are you on the .NET Express?

The .NET express left the station just one year ago, and will continue to pick up momentum in 2003. Adding to the excitement is the imminent release of the Windows .NET Server 2003 Family and the next major release of SQL Server. With all this, you are likely to find yourselves in one of two camps: supporting legacy applications using legacy tools, or developing powerful new distributed applications using .NET tools and technologies. Where do you plan to be?

At VSLive! San Francisco you'll find the most important topics that developers moving ahead with .NET need. Whether you are interested in rich client or server-based development, you will find content that builds your .NET development skills. And since many of you have already started working with .NET, you'll find "Black Belt" sessions that deliver more advanced topics that fit your experience.

As someone who has worked on the .NET Framework for more than two years, I know what it takes to get past the barriers and up to being productive with .NET. Join me at VBITS and not only will you learn from leading experts, you will have a chance to interact with key Microsoft personnel, outside experts, and the industry's best third party suppliers of software and services.

I look forward to seeing you in San Francisco this February!



WEDNESDAY, FEBRUARY 12, 2003

9 AM	KEYNOTE: Best Practices for Software Development Management Featuring Interaction Design Guru Alan Cooper		
	VISUAL BASIC ADVANCEMENTS	DATA ACCESS	.NET FRAMEWORK
10:30 AM	VB .NET OOP for the VB 6 Developer Deborah Kurata, InStep Technologies	Migrating from ADO to ADO .NET Jackie Goldstein, Renaissance Computer Systems LTD.	Fill the .NET Gaps with WMI Ken Getz, MCW Technologies, LLC
11:45 AM	Objects in the Real World Billy Hollis, Guided Design	Accessing the Oracle Database from .NET Alex Keh, Oracle Corporation	Threading with Visual Basic .NET Jon Rauschenberger, Clarity Consulting
12:45 PM	Lunch Hour Presentation: Practical .NET Architecture: A Discussion		
	SMART CLIENT	DATA ACCESS	FRAMEWORK
2 PM	Creating Rich Clients with Windows Forms Brian Randell, MCW Technologies, LLC	Accessing Caching and Updating Data Strategies for Web Applications Bill Vaughn, Beta V Corporation	The .NET Framework for VB Developers Keith Pleas, Guided Design
3:15 PM	Designing Highly Scalable Distributed Apps with .NET, Part I Rockford Lhotka, Magenic Technologies	The DataSet Unplugged Jackie Goldstein, Renaissance Computer Systems LTD.	Leveraging the .NET Framework Using Visual Basic .NET Keith Pleas, Guided Design
4:30 PM	Optimizing Windows Application Performance Billy Hollis, Guided Design	Data Containers for .NET Jimmy Nilsson, JNSK	Visual Basic .NET and the Win32 API Dan Appleman, Desaware
5:45 PM	Zero-Touch Deployment Andrew Brust, Progressive Systems Consulting	Disconnected Datasets and Synchronization Josef Finsel, G.A. Sullivan	Save Yourself with .NET Serialization Ken Getz, MCW Technologies, LLC
6:30 PM	Reception in the Exhibit Hall		
8 PM	Midnight Madness		

THURSDAY, FEBRUARY 13, 2003

9 AM	KEYNOTE: Database of the Future: A Preview of Yukon and Other Technical Advancements David Campbell, Product Unit Manager, SQL Server Engine, Microsoft		
	DEBUGGING	FRAMEWORK	MOBILE APPLICATIONS
10:30 AM	Debugging with Visual Studio .NET John Robbins, Wintellect	Implementing .NET Remoting Richard Grimes, Author	Building Mobile Web Apps Quickly Andy Wigley, Content Master
11:45 AM	Tracing and Logging in .NET Dan Appleman, Desaware	.NET Security Techniques Juval Lowy, IDesign	Smart Device Extensions Dan Fergus, Forest Software Group
12:45 PM	Lunch		
	WEB	MIGRATION	APPLICATION DESIGN
2 PM	ADO .NET and XML Andrew Brust, Progressive Systems Consulting	Upgrading VB 6 Apps to Visual Basic .NET Keith Pleas, Guided Design	Designing Highly Scalable Distributed Apps with .NET, Part II Rockford Lhotka, Magenic Technologies
3:15 PM	ASP.NET Globalization Michele Leroux Bustamante, MLB Technologies	Migrating from COM to the CLR Brian Randell, MCW Technologies, LLC	Ultra Compressed Design Chris Duncan, Author
4:30 PM	Advanced Web Services Development Aaron Skonnard, DevelopMentor	Exception Handling in .NET Richard Grimes, Author	In-Depth Transaction Design Jimmy Nilsson, JNSK



VB .NET OOP for the VB 6 Developer

Deborah Kurata, InStep Technologies

Wednesday, February 12, 10:30 a.m.

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!



Fill the .NET Gaps with WMI

Ken Getz, MCW Technologies, LLC

Wednesday, February 12, 10:30 a.m.

WMI (Windows Management Interface) 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.



Migrating from ADO to ADO .NET

Jackie Goldstein, Renaissance Computer Systems LTD.

Wednesday, February 12, 10:30 a.m.

Learn before you do. This walk through of 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 help you make the transition from ADO 2.X to ADO .NET fast. We'll look at leveraging existing knowledge and experience, while also learning the new features (i.e. XML, XSL/T support) and how to take advantage of them. Lots of demo code, too!



Objects in the Real World

Billy Hollis, Guided Design

Wednesday, February 12, 11:45 a.m.

We'll get beyond the "big three" (inheritance, encapsulation, polymorphism), and discuss objects in a real-world context. Topics will include when to use and when not to use inheritance based architectures and how to make them more flexible, stateless vs. stateful objects, when to use interfaces for polymorphism as an alternative to inheritance, and integrating objects into multi-tiered and messaging-based architectures.

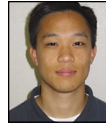


Threading with Visual Basic .NET

Jon Rauschenberger, Clarity Consulting

Wednesday, February 12, 11:45 a.m.

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.



Accessing the Oracle Database from .NET

Alex Keh, Oracle Corporation

Wednesday, February 12, 11:45 a.m.

Find out how out how to efficiently access the Oracle database from .NET applications using the Oracle Data Provider for .NET (ODP.NET). Attend this session and you'll learn how to take advantage of advanced Oracle database functionality, such as XML DB, and how to improve performance by using numerous code samples and best practices recommendations. Additionally, you'll learn about the different .NET data access methods available to the Oracle database.



Creating Rich Clients with Windows Forms

Brian Randell, MCW Technologies, LLC

Wednesday, February 12, 2 p.m.

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.



Accessing, Caching and Updating Data Strategies for Web Applications

Bill Vaughn, Beta V Corporation

Wednesday, February 12, 2 p.m.

We'll discuss the benefits and issues involved in fetching data in a Web application and which technique makes the most sense. We'll also cover using the DataReader and the DataAdapter and DataSet to run queries and expose in text and bound controls. Since Web bound controls are not updatable, we'll show you how to save data in the Session cache and post changes to the database or DataSet and get those updates sent to the database.



The .NET Framework for VB Developers

Keith Pleas, Guided Design

Wednesday, February 12, 2 p.m.

Get ready for an exclusive tour of the .NET Framework. You will learn how familiar VB concepts translate to the world of .NET, the services provided by the Common Language Runtime and Base Class Library, and how to apply some fundamental .NET concepts including namespaces, attributes, and interfaces.



Designing Highly Scalable Distributed Apps with .NET, Part I & II

Rockford Lhotka, Magenic Technologies

Wednesday, February 12, 3:15 p.m. and
Thursday, February 13, 2 p.m.

The Microsoft .NET Framework provides extensive support for creating highly scalable 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.



KEY



Black-Belt Session



Leveraging the .NET Framework Using Visual Basic .NET

Keith Pleas, Guided Design

Wednesday, February 12, 3:15 p.m.

Take a close look at some of the powerful things you can do with the .NET Framework such as multi-threading, Windows services, diagnostics (performance counters and event logs), inheritance, delegates, attributes, and structured exception handling. In this session we'll discuss how you can utilize each of these framework features while demonstrating code, and leave you with a clear understanding of the capabilities of the .NET Framework and how to exploit its features using Visual Basic .NET.



Zero-Touch Deployment

Andrew Brust, Progressive Systems Consulting

Wednesday, February 12, 5:45 p.m.

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.



The DataSet Unplugged

Jackie Goldstein,

Renaissance Computer Systems LTD.

Wednesday, February 12, 3:15 p.m.

Get ready for a demo-only session! After a 2-3 slide review of the DataSet, DataAdapter, and associated objects, we'll focus exclusively on going beyond the DataSet overview and basic demos in order to see a large variety of code samples centering around the DataSet. The demos will include examples of configuring and using the DataAdapter to load and update the database data, as well as examples of defining and manipulating the data without a DataAdapter-using Tables, Relations, and Constraints. You'll get both designer and code-based techniques, too.



Save Yourself with .NET Serialization

Ken Getz, MCW Technologies, LLC

Wednesday, February 12, 5:45 p.m.

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.



Optimizing Windows Application Performance

Billy Hollis, Guided Design

Wednesday, February 12, 4:30 p.m.

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.



Disconnected Datasets and Synchronization

Josef Finsel, G.A. Sullivan

Wednesday, February 12, 5:45 p.m.

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.



Visual Basic .NET and the Win32 API

Dan Appleman, Desaware

Wednesday, February 12, 4:30 p.m.

You'll learn how to migrate VB 6 API calls to Visual Basic .NET. More importantly, you'll learn why you should avoid using Win32 API calls when possible, and how an understanding of code access security is essential for correctly calling Win32 API functions from Visual Basic .NET when you have no other alternative. Though intended for programmers migrating from VB 6, this talk will be applicable to those moving to C# as well as Visual Basic .NET.



Building Mobile Web Apps Quickly

Andy Wigley, Content Master

Thursday, February 13, 10:30 a.m.

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.



Data Containers for .NET

Jimmy Nilsson, JNSK

Wednesday, February 12, 4:30 p.m.

There is a heated debate on which data container to use when carrying data between layers. Some propose DataReaders (which really isn't a container), others untyped DataSets or strongly typed DataSets and so on. We'll discuss the different containers and compare them in regards to maintainability, performance and productivity. The out-of-the-box containers are also compared with the upcoming ObjectSpaces and with the use of a more purely object oriented solution where custom classes and collections are used.



Implementing .NET Remoting

Richard Grimes, Author

Thursday, February 13, 10:30 a.m.

.NET remoting allows you to access objects running in their own execution contexts in another domain, process or even on another machine. We'll cover the details of the types of objects that can be accessed remotely, and the VB .NET code that you must write. We'll explain the architecture of .NET remoting and look at channels, proxy objects, marshal by value and by reference, configuration through API calls and through configuration files. You'll also see how objects are activated and how to control the lifetime of long lived objects.



Debugging with Visual Studio .NET

John Robbins, Wintellect

Thursday, February 13, 10:30 a.m.

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 Studio .NET, taking you through the transitioning to .NET debugging, and taking advantage of the new debuggers and debugging techniques, including the new diagnostic code.

Smart Device Extensions

Dan Fergus, Forest Software Group

Thursday, February 13, 11:45 a.m.

Visual Studio .NET enables developers who build desktop and server applications to use the same tools when developing applications for mobile devices. One of the new features of .NET is the Smart Device Extensions, which includes the Microsoft .NET Compact Framework. The Microsoft .NET Compact Framework allows you to use your knowledge of C# or VB to target your applications at the PocketPC. Attend this session and come away with the skills you need to program for a mobile world.



.NET Security Techniques

Juval Lowy, IDesign

Thursday, February 13, 11:45 a.m.

.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.



ADO .NET and XML

Andrew Brust, Progressive Systems Consulting

Thursday, February 13, 2 p.m.

ADO .NET, rather than merely offering the ability to persist to an XML file, actually uses XML as the native format for representing its multi-table Datasets. We'll look at how the ADO .NET objects map to various elements in the Dataset's XML schema and how to use XML from any platform to create, read, and modify ADO .NET Datasets.

Upgrading VB 6 Apps to Visual Basic .NET

Keith Pleas, Guided Design

Thursday, February 13, 2 p.m.

Come hear the real world details of moving your various VB 6 apps and components into the .NET Framework by a fellow developer who's been working closely with the product for more than two years. Tales from the trenches will include how to migrate from ADO to ADO .NET and from VB 6 "Ruby" forms to Windows Forms; dealing with orphaned project types; DLL calls to Framework objects; and Interop with classic COM where necessary.



ASP.NET Globalization

Michele Leroux Bustamante, MLB Technologies

Thursday, February 13, 3:15 p.m.

This session will review the critical steps you must take to prepare for application globalization, then demonstrate how to prepare your Windows Forms and ASP.NET applications accordingly. You'll learn best practices for building and deploying .NET resources in various architectural configurations. You'll also learn how Internet browsers, and your Web application communicate to support the presentation and input of different languages.

Tracing and Logging in .NET

Dan Appleman, Desaware

Thursday, February 13, 11:45 a.m.

Properly instrumenting .NET applications and components can simplify detection and understanding of program errors both during development and after deployment. Learn how the .NET Tracing and diagnostic classes can be used to build sophisticated logging and tracing solutions into any application.



Migrating from COM to the CLR

Brian Randell, MCW Technologies, LLC

Thursday, February 13, 3:15 p.m.

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.



Ultra Compressed Design

Chris Duncan, Author

Thursday, February 13, 3:15 p.m.

We're never given the luxury of telling management how long we want for a complete system design phase. The typical reality is that we're given a project in the same breath as the deadline and we're lucky to get much time for design at all. Join us to see our approach to compressed design by discussing not only the lower levels of software design, but also how to gain a complete and extremely accurate time estimate in the process.



Advanced Web Services Development

Aaron Skonnard, DevelopMentor

Thursday, February 13, 4:30 p.m.

Attend this session and learn the more advanced concepts involved in designing and building Web services in .NET. We'll show you how to design your Web service interfaces in WSDL and implement them using the ASP.NET infrastructure. We'll also cover the mechanics of customizing and extending the default behavior of ASP.NET through special attributes and SoapExtension hooks.



Exception Handling in .NET

Richard Grimes, Author

Thursday, February 13, 4:30 p.m.

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.



In-Depth Transaction Design

Jimmy Nilsson, JNSK

Thursday, February 13, 4:30 p.m.

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.



ASP Live! Conference Chair: Chris Kinsman, Authority on ASP.NET, Guided Design

Quality, quantity and pragmatic expertise with ASP.NET

By February 2003, ASP.NET will have been a shipping product for nearly 12 months. And developers have been following suit at a rapid clip—I know because I have spoken with many of you. You are interested in quality, quantity and pragmatic expertise. You are looking for 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.

ASP Live! San Francisco 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 take their development skills to the next level. All the sessions are intermediate to advanced. How can I ensure this?

I am a developer, just like you. I have been working with ASP since it was codenamed Denali and have been doing full time .NET development for almost two years now. I am personally hand selecting, managing and monitoring all the content, and working with your ASP Live! speakers to ensure there is zero overlap. Each session offers the best coverage of the topic at hand. My goal is to make ASP Live! the premier conference for serious ASP.NET developers.

Add on for \$325

MONDAY, FEBRUARY 10, 2003

9 AM-6 PM	A Crash Course on ASP.NET Rockford Lohtka, Magenic Technologies
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WEDNESDAY, FEBRUARY 12, 2003

9 AM	KEYNOTE: Best Practices for Software Development Management Featuring Alan Cooper, Cooper
10:30 AM	Exception Handling in ASP.NET Applications Don Kiely, Third Sector Technologies
11:45 AM	Build Transactional ASP.NET Pages and Web Services Juval Lowy, IDesign
12:45 PM	Lunch Hour Presentation: .NET Speech SDK
2 PM	Use ASP.NET to Simplify Web Site Maintenance Phil Weber, FTPOonline
3:15 PM	Dynamic Graphics and Charting in ASP.NET Jonathan Goodyear, angryCoder.com
4:30 PM	Dig into the ASP.NET DataGrid Control Ken Getz, MCW Technologies, LLC
5:45 PM	Templates and Code Re-use in ASP.NET Jonathan Goodyear, angryCoder.com
6:30 PM	Reception in the Exhibit Hall
8 PM	Midnight Madness

THURSDAY, FEBRUARY 13, 2003

9 AM	KEYNOTE: Database of the Future: A Preview of Yukon and Other Technical Advancements David Campbell, Microsoft
10:30 AM	ASP.NET DataBinding Andrew Brust, Progressive Systems Consulting
11:45 AM	IHttpHandler and IHttpModule Mickey Williams, Codev Technologies
12:45 PM	Lunch Hour Presentation: Best Practices for ASP.NET
2 PM	User Authentication in ASP.NET Michiel de Bruijn, X42 Development and Consultancy
3:15 PM	Postback: Creating and Handling Events in Custom Server Controls G. Andrew Duthie, Graymad Enterprises
4:30 PM	Design-time Support for Custom Server Controls G. Andrew Duthie, Graymad Enterprises

At the previous ASP Live! in Orlando I spoke with many of you and took the suggestions you offered to make ASP Live! San Francisco even better. I want to continue this dialog, so when you see me at in San Francisco, stop me and let me know how we are doing.

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. I look forward to seeing you in San Francisco.



Exception Handling in ASP.NET Applications

Don Kiely, Third Sector Technologies

Wednesday, February 12, 10:30 a.m.

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? Attend this session and find out how to put them all to use, culminating in a generic exception handler that puts a good face on a bad situation.



Build Transactional ASP.NET Pages and Web Services

Juval Lowy, IDesign

Wednesday, February 12, 11:45 a.m.

Both ASP.NET Web pages and ASP.NET Web services have native support for transactions crucial for maintaining app consistency. .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.



Introducing the .NET Speech SDK

Ken Getz, MCW Technologies, LLC

Wednesday, February 12, 12:45 p.m.

Ever want to tell your computer what you really think of it? Finally, the Speech SDK for ASP.NET makes it possible to create applications that can respond to voice commands. You can create voice-only, or multi-mode Web sites using this toolkit. You'll see how to get started working with this important addition to .NET and be introduced to many of the Speech SDK tools.

Use ASP.NET to Simplify Web Site Maintenance

Phil Weber, FTPOnline

Wednesday, February 12, 2 p.m.

ASP.NET includes several new features that make it easier to create efficient, maintainable Web sites. You'll learn how to use page templates and inheritance to give your site a consistent look-and-feel. You'll walk away from this session with complete ASP.NET source code for a basic content management system, which you can use immediately as-is, or modify and extend as you see fit.



Dynamic Graphics and Charting in ASP.NET

Jonathan Goodyear, angryCoder.com

Wednesday, February 12, 3:15 p.m.

The .NET Framework exposes a graphics library that can be used to create dynamic charts and other graphics in your ASP.NET Web applications. You can also update them with your business data on the fly. This session will explore the capabilities of .NET graphics namespaces and how you can effectively use them in your ASP.NET Web apps. We'll construct several different charting solutions, discuss optimizations, as well as charting alternatives, such as emitting Scalable Vector Graphics (SVG) via .NET, and using a popular .NET Charting component.



Dig into the ASP.NET DataGrid Control

Ken Getz, MCW Technologies, LLC

Wednesday, February 12, 4:30 p.m.

The ASP.NET DataGrid is an incredibly powerful control. You can load it with data from many different sources. You can 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 much of the power and flexibility provided by the amazing ASP.NET DataGrid control, and how to manage data using the control, as well.

Templates and Code Re-use in ASP.NET

Jonathan Goodyear, angryCoder.com

Wednesday, February 12, 5:45 p.m.

ASP.NET offers several ways to re-use source code. Some of the topics discussed in this session are Page Template creation techniques using inheritance, re-usable UserControls, customizing Visual Studio .NET to create boiler-plate project items, and code logic separation for components and Web Services. You will learn to create extensible ASP.NET Web application frameworks, as well as effective code re-use techniques.



ASP.NET DataBinding

Andrew Brust, Progressive Systems Consulting

Thursday, February 13, 10:30 a.m.

ADO .NET data binding isn't just for 2-tier prototype apps anymore; it's now a serious technology for object-oriented, N-Tier apps. We'll cover the basics, and the subtler advanced features, of data binding, both in Visual Studio and in code. We'll also take an in-depth look at strongly-typed DataSets and see how they figure into the data binding equation.



IHttpHandler and IHttpModule

Mickey Williams, Codev Technologies

Thursday, February 13, 11:45 a.m.

ASP.NET exposes an efficient and easy-to-use method for extending the HTTP pipeline through the IHttpHandler and IHttpModule interfaces. An HTTP Handler enables you to provide new types of URL endpoints by implementing an appropriate interface performing some minimal configuration. HTTP Modules are used to provide new services to Web applications, such as custom caching or authentication services. Properly used, these interfaces can greatly enhance the performance and feature-set of your Web apps. This session will feature Demo programs that illustrate advanced techniques and design patterns for implementing handlers and modules, too.



Best Practices for ASP.NET

Chris Kinsman, Guided Design

Thursday, February 13, 12:45 p.m.

Attend this lunch time session to see a variety of recommended practices when developing, deploying and supporting your ASP.NET application. This session will offer practical suggestions that you can put into practice immediately to improve your applications.



User Authentication in ASP.NET

Michiel de Bruijn, X42 Development and Consultancy

Thursday, February 13, 2 p.m.

Most Web sites and services will at some point require user authentication in order to protect information or sustain their business model. 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. This will give you enough flexibility to support anything from a corporate intranet application to multiple sites hosted in a shared load-balanced server farm environment, all without breaking advanced features like remote components.

Postback: Creating and Handling Events in Custom Server Controls



G. Andrew Duthie, Graymad Enterprises

Thursday, February 13, 3:15 p.m.

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.

Design-time Support for Custom Server Controls

G. Andrew Duthie, Graymad Enterprises

Thursday, February 13, 4:30 p.m.

Join us for an intensive session on metadata attributes. You'll find out which ones to use to add design-time support for working with your controls in Visual Studio .NET, and how to enable Intellisense code completion for your control in HTML view by creating a custom XSD schema to support your control. Finally, you'll see how to add Visual Studio .NET annotations to provide support for using designers to populate fields such as colors and URLs.

KEY



Black-Belt Session



Live! Conference Chair, Richard Hale Shaw, The Richard Hale Shaw Group

Black-belt programming in C# that adds value to you and your product.

It's been almost a year since the release of .NET, and the marketing hype is over: the giddiness over "XML Web Services"—a silver-bullet that would presumably solve all software problems—and the tendency to prefix virtually everything as ".NET" has faded. What remains is an awareness by software developers of a powerful technology, a replacement for COM, ASP, ADO and the Windows API, but one that's rich, and redolent with productivity.

Add on for \$325

MONDAY, FEBRUARY 10, 2003

9 AM-6 PM	Hands-On C# Programming Richard Hale Shaw, The Richard Hale Shaw Group
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WEDNESDAY, FEBRUARY 12, 2003

9 AM	KEYNOTE: Best Practices for Software Development Management Featuring Alan Cooper, Cooper
10:30 AM	Multi-Threaded .NET Clients Chris Sells, Sells Brothers, Inc.
11:45 AM	Instrumenting Your C#/.NET Application with System Diagnostics Martin L. Shoemaker, Martin L. Shoemaker Consulting
12:45 PM	Lunch
2 PM	Build a Distributed, Plug-In Object Broker, Part I: Attributes, Metadata and Reflection Richard Hale Shaw, The Richard Hale Shaw Group
3:15 PM	Real-World Enterprise Web Application Development Dominic Selly, Capella University
4:30 PM	Advanced C#: Custom Controls for Windows and Web Forms Andrew Troelson, InterTech-Inc
5:45 PM	Advanced .NET Development Techniques: How .NET Assembly Loading Really Works Brent Rector, Wise Owl Consulting
6:30 PM	Reception in the Exhibit Hall
8 PM	Midnight Madness

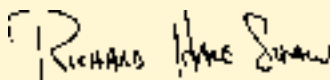
THURSDAY, FEBRUARY 13, 2003

9 AM	KEYNOTE: Database of the Future: A Preview of Yukon and Other Technical Advancements David Campbell, Microsoft
10:30 AM	.NET Remoting in C# Brent Rector, Wise Owl Consulting
11:45 AM	Inside IIS & ASP.NET: Intercepting HTTP Requests Michele Leroux Bustamante, MLB Technologies
12:45 PM	Lunch
2 PM	Build a Distributed, Plug-In Object Broker, Part II: .NET Remoting and Events Richard Hale Shaw, The Richard Hale Shaw Group
3:15 PM	Analyzing, Architecting, and Modeling N-tiered C# Applications Martin L. Shoemaker, Martin L. Shoemaker Consulting
4:30 PM	WinForms Over the Web Chris Sells, Sells Brothers, Inc.

With a technology that's so easy to access and use, education and training firms have had to "up-the-ante" to add value: simple tricks and tips are not enough (hey, you can figure them out yourself). And conferences have had to scramble as well: no one likes warmed-over examples straight out of the OnLine Help! Fortunately, the people at FTP and VSLive! have stepped up to the plate and responded by investing in Black-Belt tracks that focus on the in-depth, advanced issues that you'll encounter on a daily basis after you've spent some time developing in .NET

Our C# Live! conference is the best we've ever produced: Advanced .NET Programming in C#, focused on adding value to your company's product while adding value to your own skill-set. Our faculty—experts known as much for their knowledge and ability to present, as for their patience in listening to questions and trying to find answers—will deliver meaty, pithy sessions targeted at those who've been programming in C#/.NET for some time (and those advanced programmers who're just now moving to .NET). We'll answer your day-to-day .NET development questions, and you can spend time with elucidating, engaging and entertaining field experts.

Come join us in San Francisco in February!




Multi-Threaded .NET Clients

Chris Sells, Sells Brothers, Inc.

Wednesday, February 12, 10:30 a.m.

Rich clients in .NET require two things: Windows Forms and responsive user interfaces. And because rich clients process data and access Web services, both of which can take a long time, to stay responsive, they need threads. .NET has built in support for threads, which we'll do a quick refresher on, but then we'll dive into how to best integrate this into a WinForms application, including synchronization-based locking and synchronization-free message-based multi-threaded communication to avoid race conditions and deadlock.



Instrumenting Your C#/.NET Application with System Diagnostics

Martin L. Shoemaker, Martin L. Shoemaker Consulting

Wednesday, February 12, 11:45 a.m.

If your .NET application needs to run unattended (as a server, a Web application or a Windows Service), reporting errors via MessageBox won't cut it: you need to catch all exceptions (your own or others) and gracefully report what went wrong. If your app gathers and reports data over time, you could write your own logging and reporting mechanisms; but why would you want to: Windows performance counters and the event logger will meet most of your needs with much less work. If your app is performing poorly, will you know why, or will you just have to optimize randomly? In this session, we'll discuss the use of .NET's diagnostics capabilities, the event logger, performance counters and how to write applications that elegantly tell you what's really going on in your code.





Build a Distributed, Plug-In Object Broker, Parts I and II



Richard Hale Shaw, The Richard Hale Shaw Group

Wednesday, February 12, 2 p.m. and
Thursday, February 13, 2 p.m.

.NET services such as Reflection, Remoting and Events aren't nearly as interesting by themselves as they are when integrated to produce powerful software architectures. In this 2-part session, we'll discuss and look at how to: use Reflection and Attributes to dynamically load assemblies, discover useful objects and instantiate them; use Events to notify remote clients of new object types that are available; use WeakReferences to allow event-firing on objects that could be discarded without warning; and use Remoting to let Clients request objects from a remote broker across machine boundaries. We'll integrate the pieces to create a Distributed Object Broker that uses pluggable objects, which you'll take away in source form.



Real-World Enterprise Web Application Development



Dominic Selly, Capella University

Wednesday, February 12, 3:15 p.m.

While the .NET Framework has vastly simplified building and deploying Web applications, the requirements of real world enterprise development easily surpass the simple examples found in books and the .NET SDK. What if the project requires several IIS applications, N-tiers of components (including COM+ hosted serviced components), different security models, version control, and complex build dependencies? How do you share logins across IIS application boundaries, break down sessions across these boundaries, managed build paths, reference paths, and the copy local feature of VS.NET? In this session we'll discuss just these issues, as well as how to deploy into production environments, deploy serviced components into COM+, share custom configuration files, and implement error handling, trapping, and reporting in a large production environment. You'll gain a better understanding of issues and strategies for architecting, configuring, maximizing code reuse, building, and versioning large projects.



Advanced Custom Controls for Windows Forms and Web Forms



Andrew Troelson, InterTech-Inc

Wednesday, February 12, 4:30 p.m.

Creating custom controls for Windows Forms or for Web Forms isn't hard; creating robust custom controls that take full advantage of the design-time environment isn't easy. In this session, we'll start with a brief comparison of the two control models, and then proceed to give you a set of guidelines and examples for creating great custom controls. In each case, the same control will be created for the Desktop and for the Web, and we'll show how to take you most useful WinForm paradigms or Web Form templates, and turn them into re-usable custom controls.



Advanced .NET Development Techniques: How .NET Assembly Loading Really Works



Brent Rector, Wise Owl Consulting

Wednesday, February 12, 5:45 p.m.

There are differences between a private and a shared assembly. In this session, we'll discuss the difference loading algorithms used by the .NET Runtime for each type of assembly and look at how to create a multi-module assembly and demonstrates how the runtime loads modules. We'll also talk about the subtle differences that result from using Load and LoadFrom. You'll gain a solid understanding of the reasons why you should be giving your assemblies a strong name.



.NET Remoting in C#

Brent Rector, Wise Owl Consulting

Thursday, February 13, 10:30 a.m.

Find out effective ways to write and test a .NET Remoting client and server. Attend this session and find out how to use Microsoft's Internet Information Server (IIS) as a host for a .NET Remoting server. We'll discuss the differences between a Remoting server and a Web service, while explaining the pros and cons of each, too.



Analyzing, Architecting, and Modeling N-tiered C# Applications



Martin L. Shoemaker, Martin L. Shoemaker Consulting

Thursday, February 13, 3:15 p.m.

VS .NET, C#, and the .NET Framework make it far easier to implement distributed N-tier applications; but implementation is the least important factor to the success or failure of large, complex systems. Its likely that these projects will run aground on the same shoals that have sunk projects for years: requirements analysis, architecture, and design. And coupled with the ease and speed of C#, there's a real risk that stakeholders will expect-and teams will commit to-unrealistic schedules based solely on accelerated coding. Modeling, however, is a powerful tool to accommodate such acceleration; and VS .NET lets you incorporate modeling directly into your development processes. In this session, we'll take a brief look at the Unified Modeling Language (UML), and then create models of a project as a means to capture requirements, design an architecture, create that architecture as a C# application, and finally, reverse engineer and generate code via the model. We'll focus on how C# and .NET idioms are modeled in UML, and on seeing how UML models lead to code.



Inside IIS & ASP.NET: Intercepting HTTP Requests



Michele Leroux Bustamante, MLB Technologies

Thursday, February 13, 11:45 p.m.

By now, you've learned how easy it is to build Web applications and Web services with .NET-but now you want MORE. You want to intercept raw HTTP requests as they arrive at your Web server's door, and manipulate them right out from under ASP.NET. You want a closer look at raw data, so you can pre-process information, or redirect traffic. Attend this session and find out how to "butt-into" an HTTP round trip, using techniques such as SOAP extensions for Web Services, and custom channels that can intercept inbound requests to your Web server.



WinForms Over the Web



Chris Sells, Sells Brothers, Inc.

Thursday, February 13, 4:30 p.m.

HTML is great for deployment, but terrible at building rich application UIs. Attend this session and learn how WinForms, the rich UI framework for .NET, can be used to enjoy the same zero-deployment model of HTML. Also learn how to deploy your WinForms applications in lower security Intranet and Internet zones.

KEY



Black-Belt Session



SQL Live! Conference Chair: Kimberly L. Tripp, SYSolutions, Inc.

Create Secure, Optimal, Balanced Systems with SQL Server

VS Live! has always been a conference for serious developers and programmers—people focused completely on the application environment. Yet as the environment has changed—and will continue to change—so has your job. To work more effectively and maintain optimal performance, it's no longer sufficient to know only application development or system administration. Both jobs include elements of the other, and with upcoming new releases of SQL Server that fact will only continue to be true.

Whether you're a developer just wanting a better understanding of what's going on in the back-end database server or you're a dedicated DBA, our assortment of technical sessions are designed to bridge the gaps between developer and administrator. In one day you will learn Security, Best Practices for Design, a variety of tips and tricks to make you more productive, and multiple tracks that focus on Performance, Programming, Business Intelligence and/or Replication.

I have hand picked industry experts, colleagues and great speakers who are able to see clearly through the features and get you just the information you need. Each session will have tons of content and informative demos. You'll have a great time and learn a lot.

“ For a truly well balanced and optimal application, the developer and the administrator must work together. Enter SQL Live! San Francisco 2003. ”

I look forward to seeing you there!

THURSDAY, FEBRUARY 13, 2003

9 AM	KEYNOTE: Database of the Future: A Preview of Yukon and Other Technical Advancements David Campbell, Microsoft
10:30 AM	Designing for Performance: General Database Optimizations Kimberly Tripp, SYSolutions, Inc.
11:45 AM	Securing Your SQL Server: Security from Every Level Girish Chander, Microsoft
12:45 PM	Lunch Hour Presentation: BI for Everyone: Leveraging the Benefits of BI across the Enterprise

2 Technical Tracks

	PERFORMANCE & DEVELOPMENT TRACK 1	BUSINESS INTELLIGENCE & REPLICATION TRACK 2
2 PM.	Designing Efficient User-Defined Functions in SQL Server 2000 Fernando G. Guerrero, QA plc, UK	Data Transformation Services: Achieving Re-usability Trey Johnson, Encore Development
3:15 PM	The Need for Speed Robert Patton, PurchasingFirst	Optimum Error Handling and Auditing within DTS Trey Johnson, Encore Development
4:30 PM	Max Rows/Sec: How to Optimize Data Loading Performance Gert E. R. Drapers, Microsoft	Merge Replication: Strategizing, Part I Mike Hotek, Independent Consultant
5:45 PM	Pedal to the Metal: Maximize Your SQL Server's Performance Gert E. R. Drapers, Microsoft	Merge Replication: Implementation, Part II Mike Hotek, Independent Consultant

Designing for Performance: General Database Optimizations

Kimberly L. Tripp, SYSolutions
Thursday, February 13, 10:30 a.m.

The ideal database environment should include numerous backend server operations in order to achieve optimal performance. Attend this session and find out what backend server areas can improve performance the most! We will look at database design techniques including vertical and/or horizontal partitioning, adding redundant foreign keys and using constraints to improve performance as well as data integrity.

Securing Your SQL Server: Security from Every Level

Girish Chander, Microsoft
Thursday, February 13, 11:45 a.m.

NTFS File Security, File Encryption, IPSec, SSL, Multiprotocol Encryption, Object Permissions, Object Permission Inheritance for Stored Procedures/Functions/Views, Object Obfuscation, Server Roles, Database Roles... So many places for different levels of security and so many options from which to choose! In this session we will cover the broad range of places where security features can be utilized and what they best protect against.

Pedal to the Metal: Maximize Your SQL Server's Performance

Gert E. R. Drapers, Microsoft
Thursday, February 13, 5:45 p.m.

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 waits with the information supplied by performance counters, virtual tables, DBCC commands and SQL Trace to identify hotspots in your environment.

FRIDAY, FEBRUARY 14, 2003

9 AM-6 PM	Build and Maintain High Performance Databases with SQL Server 2000 Kimberly L. Tripp, SYSolutions, Inc.
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Add on for \$325

Register by December 11th Save \$300

BI for Everyone: Leveraging the Benefits of BI across the Enterprise

Kamal Hathi, Group Manager, SQL Server Data Warehousing Team, Microsoft

Thursday, February 13, 12:45 p.m.

Microsoft has made Business Intelligence and Data Warehouse much more easily approachable technologies by providing a set of comprehensive tools in the box with SQL Server along with the core relational database. In conjunction with Microsoft Office, these provide the basis for making BI both affordable as well as easier to implement at all levels of the Enterprise and in all sizes of companies. This session will cover how current technologies can be leveraged to realize the vision of "BI for Everyone" and will also briefly cover what Microsoft's plans for the future are.



Designing Efficient User-Defined Functions in SQL Server 2000

Fernando G. Guerrero, QA plc, UK

Thursday, February 13, 2 p.m.

The possibility of creating user-defined functions in SQL Server 2000 represents exciting possibilities to any SQL Server developer. Most systems don't exploit this interesting feature to its maximum, and this session will provide innovative examples on how to use them to solve specific programming problems. We will look at how to work around some limitations of UDFs, and how to convert views and stored procedures into UDFs. We will also look at how to use UDFs in non-standard situations, such as Joining table-valued UDFs to other inline or table-valued UDFs and other tables, or updating, deleting and inserting data through UDFs. Debugging UDFs is not as obvious as you might think, and we will look at how to detect their usage in SQL Profiler.



Data Transformation Services: Achieving Re-usability

Trey Johnson, Encore Development

Thursday, February 13, 2 p.m.

Join us for an advanced discussion on techniques that leverage the re-use of DTS package logic across multiple packages, providing for a sustained investment and efficiency with DTS. This session will begin with the hurdles for re-usability in the DTS environment, then move into removing the barriers to re-use through the review of real world solutions, creating global functions, common code, and encapsulated packages. We'll discuss the creation of a common library for producing a suite of re-usable functions, and how to appropriately implement the object-based solution in a DTS environment. We'll also look at techniques that allow for the DTS developer to construct a re-usable package for delivering common functionality. We'll conclude with the exploration of dynamically loading common functions from source code files using DTS and the Windows scripting Host to build global re-used functions.



The Need for Speed

Robert Patton, PurchasingFirst

Thursday, February 13, 3:15 p.m.

No query can run fast enough. In this session developers you'll learn tips and tricks to make your everyday jobs and everyday code run more effectively. Often developers place all of their focus in the execution plan to tune specific queries. Instead of relying on tuning specific queries, write better queries! Come and learn when and how you should limit rows, use output parameters, how to build a better WHERE clause and how to avoid many of the more common pitfalls such as: optimizer hints, string concatenation, and cursors. From this session you are more likely to achieve better execution plans and more.

FEATURED KEYNOTE



Database of the Future: A Preview of Yukon and Other Technical Advancements

David Campbell, Product Unit Manager, SQL Server Engine, Microsoft

Thursday, February 13, 9 a.m.

The next major release of SQL Server, code named Yukon, promises airtight security and fast, scalable data access at your finger tips. David Campbell has been working on the development of Microsoft SQL Server for over 7 years and he wants to share his vision of the future of data access with you. You will hear about technical advancements in the areas of programmability, manageability, scalability, availability, and business intelligence. Come see what's looming in the horizon in the fast-changing landscape of data access development.

Optimum Error Handling and Auditing within DTS



Trey Johnson, Encore Development

Thursday, February 13, 3:15 p.m.

DTS is a powerful and flexible tool for delivering data through the Microsoft Data Warehousing Framework. As compound processes are developed, a higher dependence on optimal error handling and general auditing is required. Learn through this session how to blend customized error handling and auditing with the standard (and not always documented) features within DTS. This session will provide the attendee with a clear picture of the right and wrong ways to build these mission critical elements into their DTS package framework.



Max Rows/Sec: How to Optimize Data Loading Performance



Gert E. R. Drapers, Microsoft

Thursday, February 13, 4:30 p.m.

You have 100 million rows of data to INSERT or UPDATE in your database each night, do you know how? What is the best data loading strategy, how do you do index maintenance, how do you perform UPSERTS, how much space do you need to merge two databases? These are all real world questions and issues you will face when dealing with high volumes of data. This session will provide you with a practical set of guidelines for space calculation (for tables and indexes), index maintenance (load in to vs. drop-recreate), BLOB loading, optimal data loading techniques and how to merge large amount of changes in to existing tables!



Merge Replication: Strategizing, Parts I and II



Mike Hotek, Independent Consultant

Thursday, February 13, 4:30 p.m. and 5:45 p.m.

SQL Server 2000 offers many features for high availability and fault tolerance. Replication not only allows you to achieve a level of fault tolerance and high availability, it can also be used to scale an environment and distribute data so that it is closer to end users or can be taken with them in mobile applications. In this two part talk, we are going to cover the basics of merge replication, moving towards the advanced features it offers to your environment. We will cover deployment issues, architecting hierarchies, disaster recovery capabilities, and also delve directly into the merge metadata.

Take advantage of **9**
Pre- and Post-Conference
WORKSHOPS
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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 sessions.

Get the VSLive! Gold Passport and attend all three days of pre- and post-conference workshops for free!

Or, you may add them to your VBITS, ASP Live!, C# Live!, or SQL Live! registration for the low daily rate of \$325.

Pre-Conference Workshops

Sunday, February 9
9 a.m. - 6 p.m.



Build a Rich Client App with Visual Basic .NET

Brian Randell and Ken Getz,
MCW Technologies, LLC

Join Brian and Ken and learn to be a Windows Forms wizard! During this workshop you'll learn how to take advantage of visual inheritance to leverage and reuse existing forms. You'll also learn how to harness and take advantage of multithreading, and how to bind forms and controls to data, properties, and more. We'll investigate many of the features provided by GDI+ including creating owner-drawn controls, and how to properly manage deployment, versioning, and security in client-side applications, too.

Monday, February 10
9 a.m. - 6 p.m.



Hands-On C# Programming

Richard Hale Shaw, The Richard Hale Shaw Group

This hands-on tutorial (BYOL—bring your own laptop) assumes that you've already had experience with .NET programming in VS .NET and C#, and moves beyond the basics to the kinds of Intermediate and Advanced topics covered in our C#Live! track.

We'll start by building Collection components that use Reflection, and then build a small application that can dynamically load new assemblies, and expose them as remotable objects. We'll wire these assemblies to remote WinForm clients, wire-up remote event-firing, and add security features to ensure that we're not picking up bogus assemblies or types. By the time we're finished, you'll have had an excellent jump-start in .NET Component development.

Prerequisites: You should be fluent in C# and the use of VS .NET.

You should bring: A laptop machine with 200+ MB RAM and a 300+ mhz processor, running

- The .NET Framework v.1.0 (Service Pack 1 or later)
- Visual Studio .NET v.1.0 Professional Edition (or higher)
- Windows 2000/XP (Professional or higher)
- Internet Information Services (IIS) installed (install prior to installing the Framework)

Optional: Bring a wireless card for exchanging files and wireless Remoting, but make sure it's installed and configured before you arrive (we won't be able to debug your installations during class).



A Crash Course on ASP.NET

Rockford Lhotka, Magenic Technologies

ASP.NET and Web Forms move server-side Web development to a whole new level. 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.



OOP in Visual Basic .NET

Deborah Kurata, InStep Technologies

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.

Post-Conference Workshops

Friday, February 14
9 a.m. - 6 p.m.



Migrate Your Apps to Visual Studio .NET Today

Keith Pleas and Billy Hollis,
Guided Design

If you are migrating your apps to Visual Studio .NET, you can't afford to miss this workshop packed with the complete details on the migration process. Topics include migrating VB 6 code to Visual Basic .NET; "Ruby" forms to Windows Forms; Windows APIs to .NET managed classes; ADO to ADO .NET; and recommendations on when to wrap, port, and redevelop. We'll discuss how to deal with legacy VB applications when moving to a .NET world. We'll cover the cost/benefit tradeoffs of each, and give you some planning guidelines to use when estimating the cost of moving projects to .NET.



Build and Maintain High Performance Databases with SQL Server 2000

Kimberly L. Tripp, SYSolutions, Inc.

Whether you're trying to achieve high performance for a few users or scale to support thousands, you must have a well-indexed database. Attend this workshop and get a close look at the many aspects of achieving high performance—from database design, to writing better search arguments, to using views and stored procedures for performance and data consistency/security, and then to indexing. To keep a database compact and the performance optimal, you must periodically rebuild 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.

12 Issues of Visual Studio Magazine Are Yours with Registration



Visual Studio Magazine is the leading publication for enterprise development professionals building mission-critical business solutions using the leading IT architecture and Microsoft's first development tool suite: Visual Studio. *Visual Studio Magazine* delivers hands-on articles with how-to information you can put to use right away for programming better and faster.

Your conference fee includes a subscription to *Visual Studio Magazine*, a US \$34.97 value. Current subscribers will have an additional year added to their subscription. This offer is available to U.S. registrants only. This is not an additional expense and is non-deductible there from.



Build Web Services in .NET

Aaron Skonnard, Skonnard Consulting

The .NET framework provides state-of-the-art tools for building Web services. We'll show you how to build Web services by embracing the core technology underpinnings, namely the CLR, XML, and of course the Web. Specifically you'll learn how to use Visual Studio .NET and ASP.NET, as well as XML, XML Schema, SOAP, WSDL, and HTTP programming techniques. We'll also introduce you to the new support for the various GXA specifications. We will prepare you for properly designing and productively building .NET Web services through effective use of the framework and the ability to diagnose and solve problems when they occur.



Become a .NET Data Access Guru in One Day

Bill Vaughn, Beta V Corporation

Spend a demo-packed day exploring the ADO .NET architecture. We'll start with a discussion on COM-based ADO, reviewing the available SQL Server (SqlClient), OLE DB (OleDb) and the new ODBC (Odbc) ADO .NET managed providers. We'll also open connections and get ADO .NET to open them and manage them for you, too. You'll learn how to manage low-level operations used to fetch data quickly and high-level methods to construct updateable and bindable DataSet objects. You'll see what new roles Visual Studio plays in making the process of creating ADO .NET code, stored procedures or ad hoc queries easy, too. We'll finish up by discussing performance, exception handling, update methodologies and concurrency management.

Bonus Workshop!

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FREE!
Bonus Workshop
Open to All
VSLive! Attendees!

Developing and Packaging Commercial Software for the .NET Platform

Keith Pleas, Guided Design

Monday, February 10, from 9 a.m. to 6 p.m.

Open to all VSLive! attendees, this workshop is designed around the unique requirements of software developers writing commercial software for wide distribution that targets the .NET Framework. We'll look at compilation and build options, strong naming and the GAC, native image generation, protecting intellectual property through code obfuscation and other methods, as well as packaging external resources for localization, publisher policy, and zero touch application updates.

All registered attendees will receive a complimentary copy of the .NET Toolkit—a \$1,500.

Attendance is limited so sign up early! This is a special event sponsored by Microsoft, and free with your registration to any portion of the VSLive! conference. You may attend this workshop alone for the fee of \$99 with a pre-qualified registration. Details are online at www.vslive.com/sf.

The VSLive! Exhibit Hall

See the Latest Add-on Tools for the Visual Studio Community

VSLive! San Francisco 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.

The VSLive! team is proud to partner with the following sponsors:

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Be sure to visit them and 60 more exhibiting companies in the Exhibit Hall from Tuesday, February 11. Exact times for the Exhibit Hall hours, along with the growing list of exhibitors, will be posted on the attendee Web site at www.vslive.com/sf.

Alphora
Advanced Micro Devices
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Apress
Borland
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Be a "Super" Early Bird —Sign Up by December 11

And Get a "Power of 10" Anniversary Sweatshirt



Wearing the anniversary sweatshirt in San Francisco will be a great way to celebrate a decade of excellence. It will show that you are part of an elite community of serious, black-belt developers, plus, it will keep you comfortable when attending the sessions, workshops and events. **Register by the Super Early Bird deadline, and we'll give you the sweatshirt plus a \$300 discount off the VSLive! package of your choice!**

Are You An Alumnus? Get a Free Night at the Hilton, too!

To show our thanks for your continued support we're offering a special incentive for our repeat attendees—our "alumni." Register for our Gold Passport, granting access to the entire event, and in addition to saving \$350 off the registration price, as well as receiving the complimentary Anniversary Sweatshirt, we'll throw in a free night at the San Francisco Hilton, when you stay between February 9-14, 2003.* **Simply sign up for the Gold Passport by December 11, and the discount, the sweatshirt and a night at the Hilton are yours!**

For more details, go to www.vslive.com/sfhilton

* Free night is awarded when you stay at the San Francisco Hilton between February 9-14, 2003. Minimum two night stay required. Bonus night will be deducted from your hotel bill by FTP at the end of your stay. Attendee rates are as low as \$199 single/double.

Want to get your company and products out in front of this audience? This is your chance to cement your company's position as a leader in the Microsoft development community—don't miss it! Contact Tim Smith, VSLive! General Manager, at 650-833-7193 for unlimited exhibiting or sponsorship opportunities. Or, visit the online media kit at www.fawcette.com/mediakit.

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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 February 9. 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 January 8, 2002 to receive a refund, less a \$150 cancellation fee. Cancellations made after January 8, 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 January 8, 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

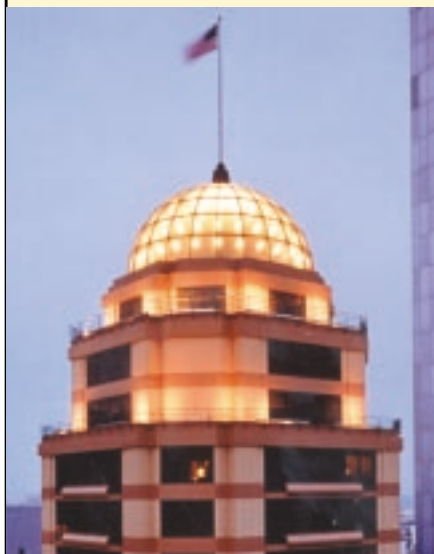
Members of INETA and other bona fide user groups active with Visual Studio and ASP.NET, and registered with Microsoft's user group coordinator save an additional \$25 per registration or more when partnered with the VSLive! conference. Call 800-848-5523 (or 650-833-7100) for more information on participation 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.

Need to Watch Your Travel Budget?

Stay at the Hilton San Francisco, the official hotel for VSLive! San Francisco



Stay at the Hilton San Francisco, the official conference hotel, and you'll not only be seconds away from all of the keynotes, sessions, workshops and events, but you'll also be conveniently located steps from San Francisco's fashionable Union Square. We've secured the rock-bottom rate of \$199 per night (single/double) for conference attendees.

To reserve your room, please call the hotel directly at 415-771-1400 by January 21, 2003 and mention that you are an attendee of VSLive! presented by Fawcette Technical Publications.

Hilton San Francisco
333 O'Farrell Street
San Francisco, CA 94102
Phone: 415-771-1400

Fax: 415-771-6807 www.hilton.com



VSLive! attendees qualify for 10% off United Airlines unrestricted coach (BUA) fares or 5% of any fare including first class (some restrictions apply). Call United's Specialized Meeting Reservations at 800-521-4041 and reference ID number: 515GA for more information.



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.

4 Ways to Register

ONLINE: www.vslive.com/sf

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 94301-2415

Registration Options

Registration includes lunches, product demonstrations and receptions.

Register for the VSLive! Gold Passport, Your Best Value

As a Gold Passport holder you'll have no boundaries at VSLive! Four full conferences: VBITS, ASP Live!, C# Live! and SQL Live! Three days of pre- and post-conference workshops. Plus a bonus day on .NET with the Microsoft Development Team. The Gold Passport is the best way to get maximum value in San Francisco!

	Standard	Early Bird*	Super Early Bird*
February 9-14 Gold Passport	<input type="checkbox"/> \$2,695	<input type="checkbox"/> \$2,495	<input type="checkbox"/> \$2,395

Or, customize your week with any conference packages listed below...

	Standard	Early Bird*	Super Early Bird*
February 12-13 ASP Live! only	<input type="checkbox"/> \$795	<input type="checkbox"/> \$595	<input type="checkbox"/> \$495
C# Live! only	<input type="checkbox"/> \$795	<input type="checkbox"/> \$595	<input type="checkbox"/> \$495
SQL Live! only	<input type="checkbox"/> \$795	<input type="checkbox"/> \$595	<input type="checkbox"/> \$495
VBITS only	<input type="checkbox"/> \$1,295	<input type="checkbox"/> \$1,095	<input type="checkbox"/> \$995

*You'll receive our special discounts if you act now. To save at least \$300 in Super Early Bird savings, register by December 11, 2002. To save at least \$200 in Early Bird savings, register by January 8, 2003. Your registration must be postmarked and paid in full by these dates.

Add a conference to your main event choice!

For a limited time you can add a second event to your main conference purchase for a fraction of the regular prices. That's right, buy one and get the second with significant additional discounts. But you must hurry—this offer expires by January 8, 2003. After January 8, the prices go back to the standard rate.

- Add on ASP Live! \$425
- Add on C# Live! \$425
- Add on SQL Live! \$425

Complete with a day of workshops!

You may also add workshop days to your custom conference package at the daily rate of \$325. While you are free to move between all workshops on a given day, please choose the ones you anticipate attending to help us plan for space.

February 9

- Build a Rich Client App with Visual Studio .NET

February 10

- Hands-On C#
- A Crash Course on ASP.NET
- OOP in Visual Basic .NET
- Developing and Packaging Commercial Software for the .NET Platform—FREE to All VSLive! Attendees, \$99 on its own with pre-qualified registration.

February 14

- Migrate Your Apps to Visual Studio .NET Today
- Build and Maintain High Performance Databases with SQL Server 2000
- Build Web Services in .NET
- Become a .NET Data Access Guru in One Day

For your best value, however, consider upgrading to the Gold Passport with automatic access to all pre- and post-conference workshops, as well as all VBITS, ASP Live!, C# Live! and SQL Live! sessions!

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 _____

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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:

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