

Agenda

(subject to change)

The **APLNext 2006 DevConNext Conference** will take place **November 6th, Monday to November 9th Thursday**.

Both Monday and Tuesday of the conference will focus on the APLNext language, the **NEW** APLNext web application servers and the integration with Visual Studio 2005.

Whether it is creating an APL application that is CLS compliant, works with all other .Net languages, integrates in Visual Studio, works with the VS designers, including the Forms and Web designers, or the NoTouch deployment. You will learn how to leverage all of these technologies to take your APL application to the next level!

Time	Monday November 6th, 2006		
8:30am-9:00pm	Registration and Refreshments		
9:00am-10:00am	Welcome and Introduction		
10:00am-11:00am	Vision Keynotes Introducing APLNext What is APLNext? As we have so much to introduce, we are going to give a brief overview of the new APLNext Language and the integration with Visual Studio 2005.		
11:00am-11:15am	Morning Break		
	Session 1	Session 2	Hands-On Lab
11:15am-12:15am	.Net, APLNext and Excel <i>Controlling Excel from APLNext and taking advantage of Excel in ways you never imagined. Integrating C# and APLNext in one solution to leverage Excel productivity.</i>	11:15 - 11:35 Cielo Explorer: The New Session <i>Discover an APL session in Visual Studio. The dynamic interactive capabilities of APL integrated with the power of .Net.</i> 11:35 - 11:55 .Net nuts and bolts <i>Modules, types, methods, properties, fields, events, enums, intrinsic types,</i>	All labs are limited in number of attendees, you must register for a lab in advance. <i>You can only register for up to 3 labs.</i> A101 - Making the most of APLNext and Creating your own project templates. <i>Create project templates for Windows,</i>

		<p><i>objects, value types.</i></p> <p>11:55 – 12:15 APLNext: The New .Net Language <i>Integration with Visual Studio, debugging, stops, project setup, managing code. Visual Studio for the APL literate.</i></p>	<p><i>WebProjects, Custom settings, Preload references, like Excel, you can make templates to meet your every need.</i></p>
12:15pm–1:30pm	Lunch		
2:30pm–3:30pm	<p>APLNext using DirectX and Avalon</p> <p><i>The new interface of Vista is Avalon and DirectX provides the engine to drive 3D models. Create interfaces that are ready for Vista deployment, and will run on machines today using Avalon. Make your project interface amazing.</i></p>	<p>2:30 – 2:50 Static, it's not just on your radio. <i>Instance and static types. When to use them to make your code crystal clear. Polymorphism, inheritance and more</i></p> <p>2:50 – 3:10 Expose yourself to others <i>Creating dlls that other languages understand and can consume. Typing at the boundaries.</i></p> <p>3:10 – 3:30 Interaction with Legacy Code <i>Make your type COM visible or call APL+Win as an ActiveX.</i></p>	<p>A103 - APLNext classes which manage the 3D world.</p> <p><i>Create an assembly which uses DirectX to manipulate 3D objects.</i></p> <p><i>Use Avalon and XAML to create forms from xml. New controls for forms make for a radical new user experience.</i></p>
3:30pm–3:45pm	Afternoon Break		
3:45pm–4:45pm	<p>Interacting with Oracle and SQL, no data limits.</p> <p><i>A104 - APLNext makes databases trivial with: .Net oracle client .Net sql client .Net odbc client</i></p> <p><i>Learn how to make the most of</i></p>	<p>3:45 – 4:05 APLNext Operators <i>New Primitive Scalar Operators and enhancements or extensions to legacy APL operators.</i></p> <p>4:05 – 4:25 Declaring Functions <i>The new function headers in APLNext to enable more than two arguments, named</i></p>	<p>APLNext makes databases transparent</p> <p><i>There are many datatypes supported by Oracle and SQL which can be used directly in APLNext.</i></p> <p><i>How to execute a stored procedure.</i></p> <p><i>How to create and fill a dataset.</i></p>

	<p><i>these and also expose them to APL+Win</i></p>	<p><i>arguments, default values, argument list, argument name-list, exposing APLNext functions to other languages.</i></p> <p>4:25 – 4:45 Program Flow Control <i>Old friends new opportunities.</i> <i>for ... else, while ... else, switch, foreach, try ... catch ... finally, for ... to ... step, yield, do ... while</i></p>	<p><i>Guidelines on whether to choose an SqlDataAdapter or SqlCommand.</i></p>

Time	Tuesday November 7th, 2006		
9:00am-9:30am	Continental Breakfast		
9:30am-9:45am	Opening Remarks and Introduction		
9:45am-10:45am	Vision: Keynote Microsoft - Developing APLNext applications integrated with Windows Genuine Advantage		
10:45am-11:00am	Break		
11:00am-12:00pm	Advanced .Net language interaction <i>Passing functions between .Net languages and consume them dynamically.</i> <i>Create operators in C# and consume them transparently in APLNext.</i> <i>Using anonymous functions for the ultimate in dynamic code.</i>	11:00 – 11:20 Speed counts, tuning your code. <i>Create specialized utilities using a combination of strong and dynamic typing.</i> 11:20 – 11:40 .Net TOOLS <i>Using .Net facilities to replace legacy APL utilities. (DateTime, String, File, Collections, etc)</i> 11:40 – 12:00 APLNext Platform Support <i>Compile for 64-bit, 32-bit or both. Create your APLNext application for</i>	A201 - Create and overload operators, and add event creation to your application. <i>Add events to your application which can be consumed by either .Net applications or APL+Win.</i> <i>Using function overloads and operator overloads make an application interoperate with the .Net world seamlessly.</i>
12:00am-1:15pm	Lunch		
1:15pm-2:15pm	Application Deployment <i>Create a setup project for you application. Validate prerequisites needed for your application.</i> <i>Strong name your assemblies and load them into the Global Assembly Cache (GAC)</i>	1:15 – 1:35 WebServices 101 <i>New and enhanced Application Server Performance working with existing APL+Win. Outperform asp sites by an order of magnitude. Build a dynamic interactive web site.</i> 1:35 – 1:55 WebServices 201 <i>Integrating your .Net assemblies (APLNext, C#, etc) with Enterprise Server. Outperform</i>	A202 - No-Touch Deployment and Creation. <i>Configuring IIS and APLNext Web Application Server to make Microsoft's No-Touch deployment of your application possible.</i> <i>A client will be able to use your application by simply clicking on a link on a web page.</i>

	<p><i>No-Touch deployment, automatic updates, and deploying your application on-line.</i></p>	<p><i>WebServices 101 sites by an order of magnitude.</i></p> <p>1:55 – 2:15 APLNext and VSTO (Visual Studio Tools for Office) 101 <i>Using Office as foundation for smart client solutions created with .NET – that’s the major benefit of VSTO. In this session you will learn about the architecture of VSTO, how it brings .NET to the world of Office and how you can develop custom solutions using the VSTO 2005 release. You will learn the most important details of the programming model, host items, host controls and the VSTO add-in infrastructure. Experience for yourself how all these features enable you to create powerful and robust business solutions based on Office and the .NET Framework</i></p>	<p><i>Just click the link and your application will load!</i></p> <p><i>Updates can be automatically deployed and cost per use of your application can be implemented.</i></p>
<p>2:15pm–3:15pm</p>	<p>Web Projects</p> <p><i>Using the Web Designer to integrate APL with ASPX for a totally new experience.</i></p> <p><i>Learn how to create professional web applications in Visual Studio using APLNext as your language.</i></p> <p><i>The power of APL meshed with the delivery of ASPX.</i></p> <p><i>No corporate boundaries!</i></p>	<p>2:15 – 2:45 APLNext and VSTO (Visual Studio Tools for Office) 201 <i>Many solutions have a business requirement to retrieve data from some back-end source, and present it within the context of an Office document. There is often an additional requirement to be able to modify the data, and keep it in sync with the server. VSTO provides significant design-time and runtime support to allow you to do this in an easy, seamless manner. One of the things VSTO does is to bring the full power of standard .NET Windows Forms databinding to Office-based solutions. This session explores the VSTO databinding support for Excel and Word document-based solutions.</i></p> <p>2:45 – 3:15 Deploying your APLNext Application <i>Using Visual Studio 2005 Setup and Deployment projects: Validating pre-requisites, installer</i></p>	<p>A203 - Building a Web Project</p> <p><i>Modify the WebProject template to customize the creation of your Web Project.</i></p> <p><i>Starting with a new Web Project quickly build and integrate a solution using APLNext and ASPX.</i></p> <p><i>Integrating APLNext with IIS and ASPX means that APL is now an integral part of any corporate web solution.</i></p>

		<i>options, UI, writing registry keys, etc.</i>	
3:15pm-3:45pm	Afternoon Break		
3:45pm-4:45pm	The Future of APL APLNext - The Language WebProjects APLNext Application Servers .Net 3.0 Avalon and Vista Visual Studio Orcas		
Evening	Sunset Dinner and Entertainment		