

Tuesday, May 3

Time	Room 1	Room 2	Room 3
8:00 - 8:30	Continental Breakfast, Hosted by Magic Software Enterprises (Vendor Room)		
8:30-10:30	<u>1. Remote Control & Wireless Magic</u> <i>Charles George</i>	<u>2. Partitioning 101</u> <i>Steve Worthington</i>	<u>3. Rich User Interface using Internet Explorer and Magic. Can it be Done?</u> <i>Ron Mayberry</i>
10:30 - 11:00	Coffee Break, Hosted by Magic Software Enterprises (Vendor Room)		
11:00 - 1:00	<u>4. What you don't know will kill you</u> <i>Keith Canniff</i>	<u>5. The Test Data Generator & O&A</u> <u>6. Alternative Programming Techniques to Create and Deploy Magic Client/Server Applications over the Internet.</u> <i>Roberto Ramírez</i>	<u>7. Introduction to using ActiveX Controls with Magic.</u> <i>Roger Ross</i>
1:00 - 3:00	Lunch (on your own)		
3:00 - 5:00 or 6:00 (Coffee break at 4:00)	<u>8a. GUI Enhancements</u> <u>8b. Event driven paradigm enhancements</u> <u>8c. Tools Infrastructure Usage</u> <i>Yuval Asheri</i>	<u>11a. Buffers and Vectors and Blobs. Oh My!</u> <u>11b. Events & Handlers</u> <u>11c. Drag & Drop</u> <i>Steve Blank</i>	<u>12. At last, a REAL scheduling solution for Magic. how to do it.</u> <i>Mark Bailey</i>

Wednesday, May 4 Room M

Time	Presentation
8:00 - 8:30	Continental Breakfast, Hosted by Magic Software Enterprises (Vendor Room)
8:30 - 8:45	<u>Intro</u> <i>Heidi Schuppenhauer</i>
8:45 - 9:00	<u>Welcome</u> <i>Oren Inbar, President and CEO, Magic Software Enterprises, Inc.</i>
9:00-10:30	<u>Into the Mainstream With eDeveloper 2</u> <i>Yuval Asheri, Director of Product Management, Magic Software Enterprises, Ltd.</i> Yuval Asheri will present a live demonstration of the forthcoming eDeveloper 2, the latest generation of Magic Software's software development tool. eDeveloper 2 will also be included in future versions of iBOLT as the iBOLT SDK.
10:30 - 10:45	Coffee Break, Hosted by Magic Software Enterprises (Vendor Room)
10:45 - 11:15	<u>Into the Mainstream With eDeveloper 2, Cont.</u>
11:15 - 12:15	<u>Exploring the eDeveloper 2 Roadmap</u> <i>Avikam Perry, CTO and VP of R&D, Magic Software Enterprises, Ltd.</i> This session will explore possibilities for future enhancements to eDeveloper 2 as we move beyond the initial release.
12:15-1:30	Lunch (on your own)
1:30 - 2:30	<u>iBOLT: Capabilities and Applications</u> Avikam Perry, Vice President of Research and Development for Magic Software Enterprises, Ltd. addresses the exciting capabilities and plans for the iBOLT Integration Suite. Particular attention will be paid to the relevance for developers as well as the capabilities it provides for business analysts and architects working in a dynamic IT environment.
2:30 - 3:30	<u>Delivering Business Value Through Superior Technology</u> <i>Glenn Johnson, EVP Marketing, MSE, Inc.</i> Business leaders are demanding greater alignment of IT organizations and capabilities with the ever-changing requirements of business. Magic Software Enterprises is positioned to enable our customers and partners to deliver even greater value as we move ahead into our third decade as a development and integration technology company.
3:30 - 4:00	<u>Process Integration in a Service-Orientated World</u> <i>Lee Sutton, Co-Director of the Integration Competence Center, MSE, Inc.</i> An in-depth review of service-oriented architecture and a discussion of how this revolutionary approach that emphasizes reuse and componentization makes iBOLT even more relevant than ever for Magic developers seeking to enhance value delivery to their organizations and customers
4:00 - 4:15	Coffee Break, Hosted by Magic Software Enterprises (Vendor Room)
4:15 -5:15	<u>Process Integration in a Service-Orientated World, Cont.</u>
5:15 - 6:00	<u>iSeries add-ons</u> <i>Yuval Asheri, Director of Product Management, Magic Software Enterprises, Ltd.</i>
7:30 - 10:30	<u>MIUG Banquet.</u> During dinner we will have live music, courtesy MSE, and a short speech by Glenn Johnson. Then we will be announcing the winners of the Magic Shootout and presenting awards.

Thursday, May 5

Time	Room A	Room B	Room F	Room E
8:00 - 8:30	Continental Breakfast, Hosted by Magic Software Enterprises (Vendor Room)			
8:30-10:30	<u>13. RAPID Rapid Application Development: Throw Away That Mouse!</u> <i>Andy Jerison</i>	<u>14. Using Magic to Build Multi-Axis Multi-Series Charts in Excel</u> <i>Mark Bailey</i>	<u>15. SQL Performance Tuning</u> <i>Bruce Lomasky</i>	<u>22. Hands-on with Edev 2!</u> <u>Session #1*</u> <i>Yuval Asheri</i>
10:30 - 11:00	Coffee Break, Hosted by Magic Software Enterprises (Vendor Room)			
11:00 - 1:00	<u>16. Love Hate Relationships: eDeveloper and Java</u> <i>Prabhu Pillai</i>	<u>17. What's a VAR?</u> <i>Todd Baremore</i>	<u>18. XML & Webservice Fundamentals</u> <i>Lee Sutton</i>	* You can sign up for session 1 OR session 2, but not both!
1:00 - 2:00	Lunch (on your own)			
2:00 - 6:00 + (Coffee break at 4:00)	<u>19. Practical Use of Components</u> <i>Frank Van Herreweghe</i>	<u>20. Magic 9.4 Advanced Programming</u> <i>Gabriel Gerson</i> <i>Ronen Canetti</i>	<u>21. Process Integration: Using iBolt and eDeveloper in the real world</u> <i>Lee Sutton</i>	<u>22. Hands-on with Edev 2!</u> <u>Session #2*</u>

1. Remote Control & Wireless Magic - Charles George

Running Magic with many kinds of remote control software applications, devices, and wireless technologies such as Citrix, Terminal Services, WinConnect Server XP, GoToMyPC, LogMeIn, PC Anywhere, PDA's, Smart Display's, Wyse Terminals, HotSpots/Wi-Fi/802.11x, WiMax, and EV-DO cellular data. Also, strategies for running Magic in a centralized Citrix/TS environment to maximize isolation of magic.ini files and Magic temporary files.

2. Partitioning 101 - Steve Worthington

One of the most under-used features of Magic is "Application Partitioning"

Many times I have been asked to look at ways to "speed-up" a magic program, and whilst certain programming techniques often result in some optimization, Partitioning is usually the best remedy. More than once I have mentioned partitioning to a company, and have been met with "blank stares"..... Partitioning licenses are relatively inexpensive, and can provide massive productivity gains....

A month end report can go from hours to minutes, a data load from minutes to seconds, get that desk-top freed up, and move your processing to the server....

We will look at how to use partitioning from both the command-line, and "Call Remote" and how to extend partitioning with a brief adventure into both Web Services, and JNI....

The class will include an overview of the Partitioning Architecture, and some easy to use examples of building partitioned applications.

3. Rich User Interface using Internet Explorer and Magic. Can it be Done? -- Ron Mayberry

Or, how to convert magic client applications to browser based using the same basic (Magic Query Client) framework. Demonstration of two applications.

1. Civil Court Case Management (converted from version 6 Magic)
2. Florida state wide Title Search database.

This application consists of a database size greater than 328 gigabytes with an accompanying Image database of over 60 terabytes storing more than 800 million images online.

4. What you don't know will kill you -- Keith Canniff

This class will cover how Magic is all hooked together, including Models, Tables, Programs, Menus, Help, and Rights. You may think you know what you are doing, but this class will help you avoid some common pitfalls and take advantage of some new features you may not know exist.

You will learn about performance: Getting the most out of your application in a variety of scenarios.

- * How server and network configurations can affect you
- * How the Magic Engine really works and how to exploit it
- * Call Task/Program/Public/Remote: When and how to use each

And some items you may not have thought about:

- * Form Design: From basics to utilizing the latest features in 9.4
- * Database Repository: Misunderstood and Underutilized
- * ODBC: How do I set it up and work with it?
- * Components: How do I use and manage them?

5. The Test Data Generator & Q&A -- Roberto Ramírez

Creating large amounts of sample data to test the performance of new systems can be as challenging of a process as testing the system itself, not to mention incredible tedious and boring.

How many John Smith's do you have in your test data? How many of your contacts have an office on Main Street? How fast your searches and reports programs will be with 1,000 records; how about 5,000; why not 10,000? I built this Magic application to speed up the testing process by generating meaningful test data that can be used to analyze how an application will behave with large amounts of information.

This application has the front-end screens and logic that will guide you in the creation of your test data but it does not store any information in your local computer nor generates the test data; these two processes are executed in a centralized computer running the Server side of this application.

6. Alternative Programming Techniques to Create and Deploy Magic Client/Server Applications over the Internet -- Roberto Ramírez

7. Introduction to using ActiveX Controls with Magic. -- Roger Ross

This class should be a pre-requisite to Mark Bailey's advanced ActiveX class. This will be an introductory class on using ActiveX controls with Magic.(eDeveloper 9.4 sp4d only) It will cover what ActiveX controls are, understanding their properties and how to interface them with Magic. The class will provide examples of common ActiveX controls and how to use them.

Understanding Methods, Events and Properties of ActiveX Controls A control file will be handed out with examples of the controls covered in the class. If you want your application to stand out from other Magic applications then attend this class and the advanced class.

11a. Buffers and Vectors and Blobs, Oh My! -- Steve Blank

Magic's support for Binary Large Objects (BLOBs) has existed since Magic v5.7. Initially identified as Attribute: Image, Magic's capability has been expanded with each subsequent release until, most recently, support was extended to include two special implementations of BLOBs known as Buffers and Vectors.

In this session, we'll explore BLOBs in general, and Buffers and Vectors in particular, including:

- * What is a BLOB and what is it not?
- * Storing images, documents, etc. in a data table.
- * Buffers as C-Language Structs.
- * Buffers and the ErrPosition() function.
- * Passing Buffers in Call UDP operations.
- * Vectors, also known as arrays.
- * A Vector of Vectors, or two-dimensional arrays.
- * Passing Vectors to applications, such as Excel

Through a little theory and lots of examples, we'll show how to exploit these powerful new features.

11b. Events & Handlers -- Steve Blank

11c. Drag & Drop -- Steve Blank

12. At last, a REAL scheduling solution for Magic. how to do it. -- Mark Bailey

This session will demonstrate an excellent ActiveX graphical scheduling solution featuring....

- drag and drop scheduling
- support for large data sets
- xml interface
- images on schedule bars

You will be taught how to...

- formulate you data
 - how seamlessly integrate the Schedule into Magic
 - how to manage the data behind the schedule
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- how to manipulate the schedule on the fly
- how to use it in the real world.
- Important Methods, Events and Properties
- Pitfalls for the unwary

If you ever had a need to add graphical scheduling capability to your application then this is for you.

13. RAPID Rapid Application Development: Throw Away That Mouse! -- Andy Jerison

OK, so you are under a deadline to finish a project fast. You are already using a highly productive development tool ... what do you do to work faster?

In this class you will learn a huge number of tips and tricks to work faster and more efficiently in Magic, concentrating on using the keyboard rather than the mouse. You will learn:

- * Keyboard shortcuts you didn't know existed
- * How to take advantage of Magic's built-in formatting features.
- * How to Cut and Copy code
- * Using keyboard alignment features.

Remember how fast coding was in the DOS days, before they invented that silly mouse? Well, now you gain back the productivity you lost! In addition, you will learn special features in eDeveloper you probably didn't know existed.

14. Using Magic to Build Multi-Axis Multi-Series Charts in Excel -- Mark Bailey

This session will demonstrate the use of Excel as a charting solution. The workshop will teach you step by step how to build a real world, 2-Axis, 4-Series chart in Excel using COM and OLE.

You will be taught.....

- How to formulate your data
- How to get the data into Excel
- How to construct the chart on the fly
- How to present the resulting chart
- Pitfalls for the unwary

If you ever had the need to add a snappy charting capability to your application then this is for you.

15. SQL Performance Tuning -- Bruce Lomasky

Is the only tool you use to test and measure the performance of your system a stopwatch or MS-SQL's index tuning wizard? If so, this class is for you! This is NOT a beginner class and will go into the following topics in detail:

- * Gathering Systemwide Performance Metrics including:
 - o Storage System
 - o Processor
 - o SQL Configuration
 - o SQL Workload
 - o Nested Joins, Hash Joins, Merge Joins. What are some of the performance impacts of each technique.
- * Difference between clustered and non-clustered indexes regarding performance and when to use each one.
- * Understanding Index fragmentation, how to measure and how to fix
- * An overview of the tools I use to gather performance metrics.
- * Query optimization techniques.

This class is based on MS-SQL however, many of the techniques for gathering metrics and tuning options will pertain to other relational databases (Oracle, DB2, etc.)

16. Love Hate Relationships: eDeveloper and Java -- Prabhu Pillai

Sure we may all be expert at telling others why we hate Java and love Magic, but the fact is that with all the emphasis today on Service-Oriented Architecture (SOA), there are times when we will need to use previously developed Java routines with our Magic programs. This session will explore practical integration between Java, eDeveloper and iBOLT. Topics will include:

- Accessing a Java Class from an eDeveloper Program.
- Accessing an EJB (Enterprise Java Bean) from an eDeveloper Program.
- Exposing eDeveloper Programs via the EJB interface.
- Accessing a Java Class from an iBOLT flow.

17. What's a VAR? -- Todd Baremore

Ever wonder what those VARx functions are for? They are used for navigating the variable stack and can be extremely useful in a number of ways. The items below will be covered in detail and work regardless of the back end database being used. I intend for this to be a hands on class so bring your laptops. Parts 1 & 3 will work in version 8 & 9. Parts 2 & 4 require version 9.

1. Create your own debugger which will report current and previous values of all variables along with task depth and mode information. You will learn how to navigate the variable stack and extract variable name and value information along with task depth and mode info.
2. You won't typically give your end users access to the debugger, but I have found it useful to allow them to send me an email containing the variable stack and task depth info when they come across a problem. The information can be imported into the debugger tables for easy viewing.
3. Take what you have learned from the debugger and apply it to an audit log. Unlike backend database audit logs, this auditing feature can be made available at the task level and will track record creation, deletion and field level modification. The auditing feature consists of 2 programs for creating and viewing the log.
4. Finally we can put the VARx functions to work to create user definable reports. I'll demonstrate how to allow users to select which fields appear in a report and their sort order. The same technique is used for printing the report.

18. XML & Webservice Fundamentals -- Lee Sutton

Learn how to start using XML and WebServices in eDeveloper today. Learn how to read XML by hand, and then look at each one of the XML based functions in detail as well as expand functions those into services that can be deployed across your Intranet or Internet.

19. Practical Use of Components -- Frank Van Herreweghe

In the past, most Magic applications were all held in one CTL. Now, we have the option of making re-usable Components that are shared between applications. But when does it make sense to divide your application that way? And what is the best way to do it? This class will cover these issues, including:

- What are components?
 - When/Why to use components?
 - Practical example of creation of a sample component
 - Practical example of the using a component in a sample application
 - Component limitations
 - Our (PCIL-)Framework : shows how all our components and applications are built together. Explanation of our different components (modelfiles-, DLL-, DefaultProgram-, RightsSystem-, Tracking-, Crystal Reports-, Batchprocessor-components)
 - Showcase of some (depending from the time left) programs in our components to give people ideas about what kind of programs they can put into components.
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20. Magic 9.4 Advanced Programming -- Gabriel Gerson

- * Working with ActiveX objects
 - * Magic 9.4 Application wizard
 - * Working with changing screen resolution
 - * COM
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