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August 17, 2002

# Cabrita™ Seminars

## MIUG Training Conference 2002

Sponsored by Cabrita Software, a division of Trillium Custom Software, Inc.

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Thank you for coming to the third annual MIUG Training Conference! We trust you will have a wonderful time. Our mission, as always, is to increase the abilities of Magicians everywhere in the world, through the open dissemination of knowledge.

Our special thanks go to our sponsors:

**Magic Software Enterprises**, for sending wonderful and knowledgeable people to our conference to share their knowledge. And for providing our shirts this year. And not least, for creating this wonderful tool that is the focus of this conference!

**Pervasive Software**, for sharing Steve Slezak and his in-depth knowledge of Pervasive, and for hosting Sunday night's libations.

**The Teachers**, for their willingness to vacate those safe seats in the audience and to do the work of creating the high quality of classes we have enjoyed for these 3 years.

And, of course, every participant who comes to learn and to share.



*Sunday, August 18, 2002*

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**7:00 - 10:00 pm**

Come and mingle with your fellow MIUG Conference attendees and enjoy some hour devours and refreshments at the "Pervasive" bar. This is a great opportunity to meet some new people and also chat with those you haven't seen since last year's conference. Make sure to pick up your Conference packets tonight. You can also pick them up Monday morning.

Thank you to Pervasive who is sponsoring the libations during the Hospitality Night!

*Monday, August 19, 2002*

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	<b>Who</b>	<b>Topic</b>
7:45 - 8:30	Heidi Schuppenhauer	<b>Continental Breakfast</b>
8:30 - 9:00	Heidi Schuppenhauer	Welcome!
9:10 - 10:00	Keith Canniff	<b>Magic 9.30 Browser Client - Internet and Interactive!</b> Magic's Browser Client has become a stable addition to the Magic family. Have you ever wanted to add web components to your existing Windows system, but didn't have the time nor the understanding to do it? Well now you can! Magic's Browser Client in V9 gives you more programming power than ever before and is programmed pretty much like a standard Online program. Come see what you have been missing and what everyone else wishes they had!
10:00 - 10:50	David Leichner	Magic Strategic Direction
11:00 - 12:00	Eric Hagendijk & Glenn Johnson	Magic in the Marketplace
12:00 - 1:30		<b>LUNCH</b>
1:30 - 2:50	Avishai Shafir	General R&D Directions
3:00 - 3:50		Q&A and discussion: Future directions of Magic and comments on eDeveloper with representatives from MSE.
4:00 - 5:00	Jaymer	IntelliView Overview
6:00 - 9:00		<b>BANQUET</b>

Tuesday, August 20, 2002

	Who	Topic
7:45 - 8:30		<b>Continental Breakfast</b>
8:30 - 9:30	Todd Baremore	<p><b>Add full text indexing to your Magic application.</b></p> <p>Did you ever want to add full text search capabilities to your Magic application? I don't just mean memo fields. What if you could full text index ASCII, Word, WordPerfect, Acrobat, Excel, and Power Point documents that are external to your application as well as table columns?</p> <p>Last year I had the opportunity to work with ISYS Desktop V6. A description of the product from their web site is below. ISYS sells a software developers kit (SDK) for integrating ISYS with other applications. After convincing one of the developers to create a command line interface for the SDK (I was struggling with the.dll calls), I was off and running. The application I will demonstrate uses Magic 9.3 and ISYS Desktop V6.</p>
9:45 - 10:45	Chris Cashin	<p><b>Heuristic EDI Integrated Development Suite for Magic</b></p> <p>Heuristic EDI (HEDI) represents a completely new paradigm for integrating EDI functionality with business applications. Until now, developers wanting to add EDI capability to their applications were caught in an endless loop of tedious custom programming, and arcane integration with proprietary 3rd party mapping and translation software. It is not uncommon for substantial EDI implementations to require dozens if not hundreds of custom programs and mappings. Typically, the developer must code specifically to address the demands of various trading partners' eclectic interpretations of numerous standards and hundreds of document types. It is no wonder that many companies have dismissed EDI as a viable methodology for business to business communications and only implement it when they have no choice or when critical business partners demand it.</p>
11:00 - 12:00	Steve Slezak	<p><b>Pervasive.SQL Roadmap</b></p> <p>Pervasive.SQL 2000i is a major step forward in the evolution of Btrieve and Pervasive.SQL. It delivers the highest level of performance, reliability, scalability and functionality over any previous generation of the database engine. So what is next? What does the future hold for Pervasive.SQL? In this session, we will take a look at the Pervasive.SQL Roadmap. This session will include a presentation, as well as an interactive discussion, regarding future features and functionality.</p>
12:00 - 2:00	<b>LUNCH</b>	<b>Round Table discussions.</b> Each table will have a different topic: here is your chance to discuss issues with other Magicians in depth.
2:00 - 2:50	Steve Slezak	<p><b>Maintaining, Tuning and Troubleshooting your Pervasive.SQL installations</b></p> <p>This session focuses on how to get the most out of your Pervasive.SQL deployment, including:</p> <ul style="list-style-type: none"> <li>- An overview of key engine settings and how to best adjust them based on your deployment environment.</li> <li>- Evaluation and discussion to determine the type of hardware to optimize your performance. Should you invest in a faster processor? A faster hard drive? More memory? What investment is best?</li> <li>- Best practices for troubleshooting your Pervasive.SQL installations. This session will include a presentation as well as an interactive discussion with attendees.</li> </ul>
3:00 - 5:00		<b>Show and Tell:</b> Bring your favorite application to share with others. This will be one-on-one: we will set up tables and you can talk to the authors about how THEY use Magic.

Wednesday, August 21, 2002

Time	Room	Topic
7:45 - 8:30		<b>Continental Breakfast</b>
8:30 - 12:00	Room 1	<p><b>What's new in Version 9?</b></p> <p><i>Ronen Canetti</i></p> <p>Overview of this great new product from MSE. Learn about the new features you can start taking advantage of, such as:</p> <ul style="list-style-type: none"> <li>- Browser client</li> <li>- Handlers</li> <li>- New web architecture</li> <li>- Models</li> <li>- Components</li> </ul>
	Room 2 (all day)	<p><b>So you want to create a website? Internet Overview, A Cabrita<sup>TM</sup> Workshop</b></p> <p><i>Dale Schuppenhauer</i></p> <p>This workshop will cover techniques for working with the Internet with Magic. This includes a case study of a recent project that is now in production, and includes some neat tips and tricks.</p>
	Room 3	<p><b>Advanced DDFs</b></p> <p><i>Steven Blank</i></p> <p>We'll discuss everything you ever wanted or needed to know about Btrieve Data Dictionary Files (DDFs) with dual emphasis toward constructing a Data Dictionary both to support Magic/SQL access to your data, and to support third-party applications such as Seagate Crystal Reports, Microsoft Access/Excel or Pervasive Replication. We'll dig into the individual files' record layouts and examine all the gory details for the three primary files (FILE.DDF, FIELD.DDF AND INDEX.DDF) as well as for one of the more widely-used secondary files (ATTRIB.DDF).</p> <p>Discussion Topics include:</p> <ul style="list-style-type: none"> <li>- The nature and purpose of the Data Dictionary as a whole</li> <li>- Relationships between individual Data Dictionary Files</li> <li>- File, Field, and Index Flags and their respective meanings</li> <li>- Magic to Btrieve to Pervasive.SQL to ODBC data type mapping</li> <li>- Creating a Data Dictionary for an existing Btrieve database</li> <li>- Using DDFs to create Btrieve Table Definitions in Magic</li> <li>- Developing your own DDF Editor entirely in Magic</li> </ul> <p>Bring your laptop for hands-on and/or a fresh floppy diskette if you want a copy of Steve's Magic-based DDF Editor.</p>
	Room 4	<p><b>What I need to forget about coding for ISAM, for success with SQL</b></p> <p><i>Steve Worthington</i></p> <ul style="list-style-type: none"> <li>- How to get from Btrieve to SQL,</li> <li>- Differences between Oracle, and MSSQL</li> <li>- SQL Tips and Tricks.</li> </ul>

Time	Room	Topic
12:00 - 1:30	<b>LUNCH</b>	
1:30 - 5:00	Room 1	<b>Getting the most from V9, A Cabrita™ Workshop</b> <i>Heidi Schuppenhauer</i> This workshop will show you how to use the great new features of V9 to make your applications more robust and maintainable. Includes advanced features of Events and Models. Class will include V9 code samples and excerpts from the new V9 book.
	Room 2	<b>So you want to create a website? Internet Overview, Cont.</b>
	Room 3	<b>Stump the Chump</b> <i>Steven Blank</i> After lunch, the discussion and Q&A from the morning class (Advanced DDFs) will pick back up and progress into an open discussion based upon what you want to know. Here's your chance to pick Steve's brain, hash over sticky problems and learn more about the inner workings of the MKDE. Possible topics may include: <ul style="list-style-type: none"><li>- Using the Pervasive System Analyzer</li><li>- Installation and configuration issues</li><li>- Tuning and programming techniques to optimize performance</li><li>- On Line Transaction Processing pitfalls and solutions</li><li>- Stored Procedures and Triggers</li></ul>
	Room 4	<b>Advanced SQL Gateway Behavior</b> <i>Steve Worthington</i> <ul style="list-style-type: none"><li>- Tuning for (SQL), performance issues.</li><li>- Embedded SQL</li><li>- Stored Procs</li></ul>

Thursday, August 22, 2002

Time	Room	Topic
7:45 - 8:30		<b>Continental Breakfast</b>
8:30 - 12:00	Room 1	<p><b>Not just any old program</b></p> <p><i>Mark Bailey</i></p> <p>Last year you got a taste of some of what Mark can do, but we didn't have time for the details. This year you can find out how he does it, especially things like:</p> <ul style="list-style-type: none"> <li>- Tabs, how to really use them.</li> <li>- Hot alternatives to Tabs</li> <li>- Doing incremental locates on an expression field.</li> <li>- Making application less like Magic.</li> <li>- Some real "when would you ever use that?" event examples.</li> </ul> <p>This is a hands-on session in V9, so bring your laptops. There will be lots of tips and tricks, and personalized help, so bring your questions!</p>
	Room 2	<p><b>Pervasive Replication module</b></p> <p><i>Harry Kleinsmit</i></p> <p>The new replication module by Pervasive has more possibilities than you might think. A replicated database could be used as a warm backup to ensure a minimum of downtime, load distribution to run heavy reports on a different server and distributing data to copy the data between sites without writing any code, even if the database on the other side isn't Pervasive. This course shows in detail these and more options and how to set them up using Magic with a native (transactional) Pervasive Database.</p>
	Room 3	<p><b>Advanced IntelliView</b></p> <p><i>Jaymer</i></p> <p>By now you've heard about Intelliview, the great new tool for creating reports with Magic. Here is your chance to learn how to get the most it from the expert!</p> <ul style="list-style-type: none"> <li>- Complex reporting from the Designer</li> <li>- Using Intelliscript in the Designer</li> <li>- Integrating Intelliview with Magic Web Server or ASP</li> <li>- Upcoming strategies for the new, faster v3 Client</li> <li>- General user discussion about future direction and issues</li> </ul> <p>(Please feel free to talk to us ANYTIME during the conference, about implementation issues, feature requests, bugs, etc.)</p>
	Room 4	<p><b>Fundamentals of Magic, A Cabrita™ Workshop</b></p> <p><i>John Cole</i></p> <p>You will learn about selection tables, maintenance programs, one-to-many programs, and simple reporting in Version 8 at this workshop.</p> <p>Aimed at Magicians with 6 months to two years experience, with at least a working knowledge of the Magic engine, using some of the tips and tricks used by Trillium Custom Software, Inc.</p>
12:00 - 1:30	<b>LUNCH</b>	

<b>Time</b>	<b>Room</b>	<b>Topic</b>
1:30 - 5:00	Room 1	<b>Practical Magic</b> <i>Sherm Levine</i> Case study of an interesting Entity-Relationship system, with in-depth information on Sherm's superb use of Magic.
	Room 2	<b>Magic Output Options</b> <i>Harry Kleinsmit</i> Through the years I've seen many messages in the user group about how to set up a printer from within Magic. This class teaches you how to determine Windows printers and how to use them as defaults directly from within the program. Now that you've mastered that, the next step is to format your output to either Text, GUI, HTML, XML, Word, Excel and PDF (all from within one program). For the export to Word and Excel the OLE-automation option will be used and explained in depth.
	Room 3	<b>Citrix and Terminal Server</b> <i>Charles George</i> Using the right tool for the job: When is Citrix or Terminal Server the right tool and when is pure HTML/Java the right tool? What is a good TCO model to compare both methodologies? How much work is it to set up a Citrix box? How well does it work? Charles George has a lot of knowledge in this area, and in this class he shares his years of experience.
	Room 4	<b>Magic 9.30 Browser Client - Internet and Interactive!</b> <i>Keith Canniff</i> Magic's Browser Client has become a stable addition to the Magic family. Have you ever wanted to add web components to your existing Windows system, but didn't have the time nor the understanding to do it? Well now you can! Magic's Browser Client in V9 gives you more programming power than ever before and is programmed pretty much like a standard Online program. Come see what you have been missing and what everyone else wishes they had!

## About the Vendors

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### **CABRITA SOFTWARE**

Trillium Custom Software Inc. is pleased to announce the launch, this year, of our Cabrita Software division. Cabrita will be our training and education division, creating and distributing books, hosting seminars and classes, and creating software for training.

Cabrita Software has books and workshops on basic Magic programming, Advanced Magic Programming, SQL, and the Web Programming with Magic.

Cabrita Software, and Trillium Customer Software, are located in the Pacific Northwest of the United states, about 50 miles north of Microsoft.

### **HEURISTIC EDI INTEGRATED DEVELOPMENT SUITE FOR MAGIC**

Heuristic EDI (HEDI) represents a completely new paradigm for integrating EDI functionality with business applications. Until now, developers wanting to add EDI capability to their applications were caught in an endless loop of tedious custom programming, and arcane integration with proprietary 3rd party mapping and translation software. It is not uncommon for substantial EDI implementations to require dozens if not hundreds of custom programs and mappings. Typically, the developer must code specifically to address the demands of various trading partners' eclectic interpretations of numerous standards and hundreds of document types. It is no wonder that many companies have dismissed EDI as a viable methodology for business to business communications and only implement it when they have no choice or when critical business partners demand it.

Heuristic EDI profoundly changes all this by eliminating the complexity and variability of communicating via EDI. HEDI was specifically designed to integrate the application development environment with the world of EDI transparently. The developer programs the business logic as usual, and need not concern himself with how a trading partner might interpret the standards. HEDI completely eliminates the need for the programmer to program a specific trading partner relationship or mapping but rather presents the developer with an intuitive set of databases that are largely independent of EDI terminology. Instead of loops, segments and element IDs the programmer is concerned only with database objects like Purchase Order Number, Bill of Lading, UPC code and so on.

HEDI performs this wizardry by utilizing a knowledgebase that incorporates all North American EDI standards for all existing documents types. This includes all UCS, VICS and X12 Standards from 2040 to 4030. The screen shot below displays that knowledge base for an 875 Grocery Purchase Order with an intuitive expanding tree interface

HEDI employs both artificial intelligence and a heuristic self learning algorithm and it will build the requisite data structures to accommodate any EDI document or standard in seconds. Just read your raw EDI data into it and HEDI will validate it against standards, learn it's meaning and build whatever databases are necessary to link to your application. Similarly, give HEDI an example of what a particular trading partner is looking for and it will build the required profile to generate EDI for that partner instantly. Populate the programmer friendly databases with the appropriate details from your applications and HEDI will output the same information formatted for any EDI standard for even the fussiest trading partner with no additional programming or mapping whatsoever. Moreover, since HEDI was designed to integrate seamlessly with the Magic development environment it builds all table definitions in Magic readable format.

Works with any Value Added Network.

For more information call (800) 881-7692 or access our Web-site at <http://adventinfo.com>.



## INTELLIVIEW

IntelliVIEW for Magic is a simple, easy to use reporting tool that enables end users to create reports with GUI capabilities in their Magic applications.

This cost-effective solution enables Magic Developers to save the hours they spend on coding "production-type" reports into Magic applications. This along with the "no runtime fees per seat" licensing program that ensures that customers can get professional reports by paying a per company license fee of \$530 makes IntelliVIEW the most economic reporting product for Magic ever.

### FEATURES

**Integrates easily with Magic applications:** IntelliVIEW has a Magic Component which you can call to format your data and write it out to XML. This client enables users to sort, query, filter and manipulate data with ease.

**Works with any Back-end:** Since IntelliVIEW opens the data file create by Magic and does not go to the back-end directly you can connect this product to any back-end database

**Manipulates data:** The IntelliVIEW client has an intuitive drag and drop interface using which you can manipulate data with spreadsheet simplicity. You can use this to sort, query, filter and group data. You can also decide to hide columns and view only select columns.

## ISYS

ISYS is the search component of corporate portals, e-commerce sites and web based corporate solutions around the world. ISYS creates a link for people from what they want to where to find it. Leverage opportunities, maximize innovation and avoid the loss of knowledge assets.

When you search for a word, ISYS uses the database to find which documents contain that word. Because ISYS indexes the words, the time taken to produce a result depends, not on how much data you've got but on how big the answer is going to be. ISYS users therefore expect and receive answers in a second or two, even on many hundreds of megabytes of data.

ISYS interfaces with over 125 different file formats, providing a single point of access for Microsoft, Lotus, Adobe, WordPerfect, Oracle, Novell and Unix applications, just to name a few. ISYS handles structured, semi-structured and unstructured data including word processing, spreadsheet and SQL database formats. Compound files, such as zip and binders can be searched without extracting the contents. A user doesn't even need to have the application installed to view data through the ISYS browser.

You can have multiple ISYS databases, each covering different parts of your system, or you can have a single one covering your whole system. Each ISYS database can hold 32 million documents and ISYS has a limitless number of databases. You can nominate individual databases to search or search them all together.



## MAGIC SOFTWARE

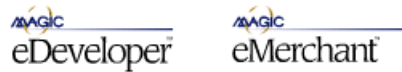
**Magic Software Enterprises (MSE)** is a global player in the software market, with annual revenues of more than \$75 million. MSE has around 700 employees worldwide, including approximately 150 employees in research and development of current and future technology.

MSE's customers include thousands of ISVs or Magic Solution Providers (MSPs) and enterprises in approximately 50 countries, supported through Magic's global network of branches and distributors. Magic Software also provides related consulting and professional services, education, and technical support.

Magic Software is a subsidiary of Formula Systems Ltd (Nasdaq: FORTY), Israel's largest publicly traded software group. Formula Systems Ltd., is a global information technology company principally engaged, through its subsidiaries and affiliates, in providing software consulting services, developing proprietary software products and providing computer-based business solutions.



**Our Mission: Enabling Business  
with Superior Technology**



## SUPERIOR TECHNOLOGY

Magic eDeveloper provides a revolutionary framework for rapidly developing, customizing and deploying complex interactive web and client/server solutions.

Solutions developed with Magic eDeveloper allow companies to utilize their existing business processes and legacy investments, as well as rapidly customizing solutions to meet specific enterprise needs. In addition, applications developed in Magic eDeveloper provide the portability and scalability crucial for today's dynamic business environment, as well as the advantage of a uniform application paradigm regardless of architecture (Internet, Client/Server, Mobile, LAN/WAN), OS (Windows, Linux, UNIX, iSeries), database (DB2, Oracle, Informix, MS SQLServer, Pervasive, etc.), or platform (.NET, J2EE).



## PERVASIVE SOFTWARE

Pervasive Software (Nasdaq: PVSU), a leading provider of embedded and Web database solutions for small and medium-size enterprises, serves a channel of more than 10,000 independent software vendors, developers, value-added resellers and partners. Founded in 1994, Pervasive is based in Austin, Texas, and also has offices in Europe and distributors covering 100 countries.



## SHUGSOFT

Shugsoft is a private company established in 2001 by Ronen Canetti. The company's main direction is building its assets as innovative and highly skilled IT professionals.

Shugsoft offers its customers a wide range of IT services through its professional personal and network of partnership companies.

The High Growth strategy includes hiring talented IT professionals and enhancing its Internet market share through increased B2B and other e-commerce projects.

**INTERNET APPLICATION DEVELOPMENT DIRECTION**

- Excellence in required technical skills
- Programmers that specialize in e-Commerce and other Internet technologies
- Knowledge of multi-disciplinary internet development languages including Magic, HTML, ASP, JSP, XML, VBScript/JavaScript, and Flash Database and disparate system incorporation in browser based applications
- Highly skilled systems analysts, application specialists, security professionals, graphic designers

**WIN 32 DEVELOPMENT DIRECTION**

- Excellence in required technical skills
- Programmers that specialize in Magic, C ++, JAVA, Visual Basic and SQLDB experts with knowledge in MS-SQL, DB2, Oracle and Pervasive SQL.
- System engineers with expertise in deploying applications over different Windows platforms, UNIX, AS/400 and Linux.