

# *MIUG 2001*

## *Technical Conference*

Welcome back! This year promises to be as good or better than last year. We have some of the best Magic training available, plus some great socializing.

### *Things to keep in mind*

Your official MIUG Name Badge is required for all events, so don't lose it. You also need it for the door prizes on Monday.

PLEASE be quiet during the presentations: it is respectful to the speaker and the other listeners. If you want to have a conversation with someone, by all means go outside or speak quietly in the back of the room.

If you are a presenter, please keep to the schedule (having a watch in front of you isn't a bad idea). There is so much to say, and it is all so interesting, that it's difficult to keep to a schedule, but still, we need to! You will be given a 5-minute warning to wrap up.

We are only having a single-track presentation this year, by popular demand, so you don't have to make any choices between classes.

Mike Myers will be taping the sessions, and distributing the videotapes.

### **Food**

As some of you will remember, last year the hotel we were at was less than dazzling in the food department. So we decided to make up for it this year!

Continental breakfast (rolls and coffee) is provided each morning in the conference room. There will be freshly squeezed OJ, apple juice, coffee and tea, croissants, muffins, and Danish pastry along with butter, jam and jelly. This will be served at 7:45. If you want more protein, we recommend the buffet downstairs: for \$5.45 it's all you can eat. It opens at 7am.

Dinner Monday night will be the Mardi Gras buffet, between 6:00 and 7:30. Dinner will include fresh fruits and vegetables, salad bar, oysters on the half shell, roast potato salad, green beans vinaigrette, black bean and corn salad, Cajun catfish, shrimp etouille, Coq au Vin, red beans and rice, ratatouille, hush puppies, Prime Rib, and a great variety of desserts. So come hungry!

Also, the Caché bar will be open from 6:00 to 9:00, during and after dinner, so allow time to hang around and socialize.

Lunch Monday will be an Italian buffet, Tuesday a Deli buffet, Wednesday a Mexican buffet. There is a good variety of food that should meet most dietary needs. If you want Kosher food, we have pre-ordered for those that asked in advance: if you didn't ask in advance, tell us now and we'll see what we can do.

Dinner Tuesday and Wednesday you are on your own. You'll find the hotel has a good variety of restaurants, and you can't beat the buffet. But it's also a good time to go out on the town with some friends.

### **Guinness**

Yes, there is Guinness! On tap at Brendan's pub. So all you folks who promised each other a beer -- it's here! (There is also a Seattle's Best Coffee to sober up in the morning). They have live piano music ("Dueling Pianos") nightly at 8pm.

### **Transportation**

There is a free shuttle to the Strip that leaves every 15 minutes from the front exit to the Gold Coast and the Barbary Coast. There are a lot of taxis around too if you want to go anywhere else.

### **Changes**

Version 9 Class, Thursday: Due to unforeseen circumstances, Shimon Adimor will not be co-teaching with Ronen.

We are not having the Teacher's Dinner on Tuesday, mainly to allow people to have a day on their own to explore.

## ***A Special Thank You to...***

**MSE** for:

- Providing the official MIUG 2001 Conference T-Shirt
- Providing the special opportunity to take the CMD test
- Lending us Avikam Perry, David Leichner, Yuval Asheri, and Ronen Canetti as speakers.

**Intersystems**, for providing the "Caché bar" at the Monday night dinner

**Pervasive and IBM**, for providing us experts in their products to share their knowledge.

**All our Magic "Masters"** who have volunteered to share their expertise with us: Yuval Asheri, Steven Blank, Ronen Canetti, Scott Griffith, Sherm Levine, Dale Schuppenhauer, Heidi Schuppenhauer, Shawn Stone, and Steve Worthington.



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## Agenda

### Sunday, August 26

Time	What	
7:00 - 10:00	Welcome Cocktail Party	Sign in and get your packets. There will be food and beverages and lots of conversation.

### Monday, August 27

Time	By	What	What
8:00	Heidi Schuppenhauer, TCSI 8:00 - 8:50	Introduction and Welcome	Introduction and Welcome
9:00	Avikam Perry, MSE MSE's VP of R&D and CTO 9:00 - 9:50	eDeveloper - current and future directions	eDeveloper - current and future directions
10:00	David Leichner, MSE 10:00 - 11:45	Doing Business with Magic	Presenting the state of MSE business worldwide, and showing their marketing strategy moving forward. Discussion and questions afterward.
11:00			
12:00	Lunch 12:00 - 1:30		
1:00	Yuval Asheri, MSE 1:30 - 4:45	Exposing Edeveloper 9.00-9.01.	A general overview of the product
2:00		Advanced features	Advanced features in eDeveloper (models, events, subforms etc.)
3:00		Using Database-specific features in eDeveloper	Doing linking, searching, and other functions: what has changed in eDeveloper.
3:30			
4:00			
4:30			
5:00 5:30	David Leichner 5:00 - 5:45	Supporting the MSP	New programs for making it easier for MSPs to do business domestically and internationally.

Time	By	What	What
6:00	6:00 - 11:00	Dinner: served in the banquet room	Dinner: served in the banquet room

Tuesday, August 28

Time	By	What	
8:00	Joe Gallant, InterSystems 8:00 - 9:45 Caché and Magic		<p><b>Caché, from InterSystems Corporation, is a high-performance database optimized for transaction processing. Magic Software Enterprises and InterSystems have a partnership agreement that includes providing a full-function copy of Caché on the Magic CD.</b></p> <p><b>The goal of this session is to provide technical details of the Caché product and how it works with Magic. Topics include:</b></p> <p><b><i>What is Caché?</i></b></p> <ul style="list-style-type: none"> <li>• Caché Architecture</li> <li>• What makes Caché different from typical relational databases?</li> <li>• Caché System Administration</li> </ul> <p><b><i>Magic and Caché</i></b></p> <ul style="list-style-type: none"> <li>• The Caché gateway</li> <li>• Migrating an existing Magic application from another database to Caché</li> <li>• Details of customer experiences with Magic and Caché</li> </ul>
9:00			
10:00	Shawn Stone and Scott Griffith 10:00 - 11:45 MAGIC plus CITRIX equals INTELLIGENT deployment.		<p><b>We will discuss the benefits to deploying a Native Client/Server Magic Application on the Internet via Citrix as opposed converting or rewriting the Application into a Browser Application. We are looking forward to having a great discussion on how the Citrix piece works and how it can be the answer to nearly all the problems associated with Magic application maintenance, development and upgrades. Please come to our session prepared to participate. This will NOT be some boring lecture!</b></p>
11:00			

<b>Time</b>	<b>By</b>	<b>What</b>	
12:00	12:00 - 1:30 LUNCH		
1:00			
2:00	Pervasive.SQL 2000i - the next generation of Btrieve Stephen Slezak 1:30 - 3:34		<p>A lot has changed over the years. In this session we will take a look at Pervasive.SQL 2000i, explore features, functionality, look at deployment models and how Pervasive Software can work with you to drive your applications forward to the next level across the board.</p> <p>We will take a look at some of the ways in which Pervasive.SQL 2000i delivers higher Scalability, Reliability and Flexibility all while continuing to drive down the total lower cost of ownership for the underlying database.</p> <p>We will also explore new members to the Pervasive Software family such as Pervasive.SQL Replication and Crystal Reports for Pervasive.SQL.</p> <p>This session will include both a presentation as well as a demonstration of Pervasive.SQL 2000i.</p>
3:00			

Time	By	What	
4:00	Add SQL-Power to Your Magic App Using Pervasive.SQL 2000i Steven Blank 4:00 - 6:00		<p>Demonstrates easily-implemented techniques that enable your existing Magic/Btrieve application to tap the hidden, relational power of Pervasive.SQL 2000i, with little modification to your application and without using the MagicGate Database Gateway for ODBC. Examples to include:</p> <ul style="list-style-type: none"> <li>* Safely obtaining guaranteed-unique ID numbers in highly-concurrent, multi-user environments.</li> <li>* Dynamically generating selection lists and lookup tables that are tailored to specific users or groups.</li> <li>* Reporting on large numbers of records from multiple tables that are filtered on non-key values.</li> <li>* Replacing complex, multi-level batch tasks with fast, efficient stored procedures.</li> <li>* and more...</li> </ul> <p>Exports of the Magic v7.11h and Magic v8.3 (sp9) demo applications will be made available for free download after the conference. Presented by Steven G. Blank.</p>
5:00			
6:30	Ronen Canetti, MSE 6:30 - 7:30 CMD		MSE is offering the CMD -- Certified Magic Developer certification -- at this event an no charge. You need to sign up in advance for this: call TCSI to register.

Wednesday, August 29

Time	What	By	
8:00	Magic and the IBM iSeries - A Magical Combination	Doug Fulmer, IBM WW Segment Manager, AD Tools and Middleware 8:00 - 8:45	The IBM iSeries server is the most popular midrange multi-user system in the world today. Come to this session to get an idea of the kinds of applications that are popular in this space. Learn about the Application Development strategy for the iSeries, identify the kinds of products Magic competes with on iSeries and hear about the ways in which Magic and IBM work together toward a mutually successful future. IBM iSeries and Magic Software - magic together!

Time	What	By	
9:00	A Technical Introduction to the iSeries	Lee Sutton 9:00 - 9:45	<p><b>Learn how easy it is to port your Windows-based applications to the IBM iSeries. This session will show some of the advantages and features of this platform, including:</b></p> <ul style="list-style-type: none"> <li>• Advantages of the iSeries: additional customer base for your applications, with more than 750,000 machines.</li> <li>• The revolution that is going on in the iSeries arena: why this is a good time to get into this market.</li> <li>• Case Study: An iSeries green screen application before it was changed to Magic and after.</li> <li>• Porting Magic applications to iSeries: how easy it is to port a Windows based application to the iSeries platform.</li> <li>• Installing and configuring Magic on the iSeries: how simple it is to install and set up.</li> <li>• Using iSeries system operation and database management via Operations Navigator.</li> <li>• Magic's legacy integration features: evoking existing AS/400 programs, commands from Magic and evoking Magic programs on NT or Unix from AS/400 programs (Requester API feature).</li> <li>• How it easy to manage DB2/400 by creating a collection, table, view and index. Basic system operation management such as wrkactjob, user profile management, printers, backup and restore.</li> </ul>
10:00	What Magic Can Do	Dale Schuppenhauer 10:00 - 11:45	<p><b>See what Magic can do in a real-life application. Dale will demo a complex Magic application for a real customer, showing some of the newer user interface features, tips and tricks that are available, and sharing how to create them. Included are tips on using dynamic tooltips, combo boxes, advanced screen design for one-to-many relations, advanced online search programs, and more.</b></p>
11:00			
12:00	Lunch	12:00 - 1:30	
1:00			

Time	What	By	
2:00	More Cute Things you can do with Magic	Sherm Levine 1:30 - 2:45	The master of Magic Tips and Tricks rides again! Ways to get Magic to do things you didn't think it could do.
3:00	Building an ebXML Registry Prototype Using Magic and Linux.	Steve Worthington 3:00 - 5:00	Covering integration of Magic, and XML a discussion on XML, the ebXML standard. and building an actual system on Linux to demonstrate all this!

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## Special Classes: Thursday August 30

These are for the folks that signed up in advance. If extra openings happen, they will be announced.

### Leveraging the Relational Side of Pervasive.SQL 2000i in Magic

*By Steven G. Blank, Maximum 20 students, Tuition \$200*

The features offered by today's Relational Database Management Systems are indeed enticing; customers are demanding "SQL" more and more, if not for its real power then at least for its very real mystique. However, fully converting an existing Magic/Btrieve application to some flavor, any flavor, of SQL is no trivial task. The sheer magnitude of such a full conversion is often seriously underestimated while, at the same time, the benefits to be gained are often grossly overestimated.

While relational database managers do offer many significant benefits, most also require the Magic/Btrieve developer to give up much of what they have come to expect from fast, transactional access. In addition, all RDBMS's require the would-be SQL developer to learn a new and perhaps uncomfortable way of thinking, as well as to overcome many sticky logistical obstacles along the way.

In the end, a journey of a thousand miles begins with but a single step, and the purpose of "Leveraging the Relational Side of Pervasive.SQL 2000i in Magic" is to teach the SQL-neophyte exactly how to take those first few steps into the relational world successfully, without having to convert his or her existing application to an RDBMS and, thus, without having to sacrifice the fast, transactional access with which they have "grow-up" in Magic. In short, this class demonstrates how, using Pervasive.SQL 2000i, one can have one's cake and eat it, too.

Specific topics to be discussed will include:

- A conceptual comparison of the transactional and the relational.
- A basic primer on ANSI-standard Structured Query Language.
- Making your existing application's tables Pervasive.SQL 2000i-compliant.
- Creating and maintaining a Pervasive.SQL 2000i Data Dictionary (DDFs).
- Using the Pervasive Control Center's SQL Data Manager utility.
- Make it work in Magic, with and without the MagicGate Database Gateway for ODBC.
- Using stored procedures to maximize performance and user productivity.
- and more...

Course materials to include hard copy of visuals, Open Source Magic 7 and 8 applications and more on CD and, thanks to the generous participation of Pervasive Software Inc. and the efforts of Stephen Slezak, a complete set of Pervasive.SQL 2000i printed manuals worth \$125 US.

### **Magic Extended: Moving from “Writing a Program” to “Designing an Application”**

*By Heidi Schuppenhauer, TCSI. Maximum 10 students, Tuition \$100*

Sure, you can write Magic programs. But can you develop a system? This class will give advanced Magic strategies for creating a Magic application from scratch, using tips and tricks from seasoned Magic developers and based on the principles in the Sorcerer’s Apprentice. Included are recipes for:

- Gathering specifications and getting user feedback
- Organizing your project and programs
- Creating menu systems that work
- Flow from program to program -- helping the user find their way around
- Preventing record locking with many users
- Variety of screen designs (including an Outlook-lookalike)

There will be a complete write-up of the class, and code to take home. You should bring a laptop and any projects you are currently working on for feedback!

### **Version 9 Workshop**

*By Ronen Canetti, MSE. Maximum 20 students, Tuition \$100*

This is your time to get to know some of the details about version 9. Besides what was previously covered, this class will offer some more advanced training.

The first half of the day, by Ronen Canetti, will focus on the issues in converting your current applications into Version 9. The second half, by Shimon Adimor, will focus on how to use partitioning and multithreading in Version 9. These are two of the most experienced eDevelopers around.

Note: There is a 10% cancellation fee for tuition.