

# iua CONNECTIONS

The CA-IDMS Database and Applications User Association

<http://www.iuassn.com>

Spring 2000, Number 49

## ● IUA BRINGS USERS A WHOLE NEW EPISODE OF CHICAGO H.O.P.E.

If you are an application development resident who needs some IDMS education STAT, or if you are a DBA pro whose skills need to be doctored up a bit, grab your appointment book now and schedule time to attend the IUA 2000 Workshop: Chicago

**H.O.P.E. (Huge Opportunity for Practical Education).** The event will take place September 17-19 at the DoubleTree Hotel in Chicago's O'Hare-Rosemont area.

As at previous workshops, Chicago H.O.P.E. will offer cost effective, in-depth CA-IDMS education in application development and database and system administration. Chicago H.O.P.E. will focus on programming, DBA/technical issues, and Web-based technologies, with three categories of sessions for users of all experience levels: "pre-med" for beginners, "intern" for intermediate, and "resident" for advanced. And at only \$199 per registration, you may never find a better educational value for your dollars.

Watch your mailboxes in June for the Chicago H.O.P.E. advance program, which will outline session content and networking opportunities, as well as provide hotel and transportation details. And stay "tuned" to the IUA Web site ([iuassn.com](http://www.iuassn.com)) for an up-to-the-minute diagnosis of Chicago H.O.P.E., including online registration and course offerings. Or call IUA Headquarters at 312-321-6827 or send an e-mail to [iua@sba.com](mailto:iua@sba.com) for more information.

### INSIDE THIS ISSUE

*IUA Brings Users a Whole  
New Episode of Chicago H.O.P.E.* ①

*Jasmine<sub>ii</sub> and CA-IDMS* ①

*Message from the National Chair* ②

*Calling All Experienced CA-IDMS Users* ②

*CAS Client Update from interBiz* ③

*Committee Reports* ④

*Regional User Group Report* ④

*Nominate Your Colleague  
for the IUA Hall of Fame* ⑦

*IUA Road Show Update* ⑦

*Do You Need to Contact a CA Employee?* ⑦

*Board Member Profile* ⑦

*Cafe Project Cooks Up a CBT Sampler* ⑦

*Archive of IDMS-L* ⑧

*What Can You Do with a TCU?* ⑮

*Spring/Summer CA-IDMS Class Schedule* ⑮

## ● JASMINE<sub>ii</sub> AND CA-IDMS®

*By David Johnson, Business Manager, Information  
Management, Computer Associates International, Inc.*

Computer Associates' Jasmine<sub>ii</sub> offers organizations a comprehensive end-to-end platform that enables the development and deployment of highly visual intelligent eBusiness solutions. Its open architecture, patented Neugents technology, integrated development environment, and robust multi-platform deployment capabilities enable businesses to quickly and easily move to the Web. With Jasmine<sub>ii</sub> organizations are developing intelligent eBusiness (Internet, extranet, and intranet) portals that keep everyone connected—

*(continued on page 2)*





## MESSAGE FROM THE NATIONAL CHAIR

*By Jim Rice*

The IUA board of directors has been working very hard recently to re-examine the mission of the group. To paraphrase a former candidate for vice-president, "Who are we? And why are we here?" The board has attempted to answer these questions. This examination process has been pared down to a few major points. You will hear more about these points in this and future *Connections*, but I would like to expand on a couple of them and how they pertain to all of us.

**Education.** The board feels that providing our members with CA-IDMS education is one of the most important things that IUA can do. Our road shows, workshops, and learning opportunities through partnership with CA are some of the ways that the board is attempting to serve the membership. An educated DBA or programmer is better able to use the software to its fullest. Better applications and performance mean happier end users. With experienced DBAs and programmers becoming scarcer, many shops are turning over the CA-IDMS work to individuals that are inexperienced with the software. This leads to either poorly designed new applications or poorly maintained legacy applications. As a result end users and management begin investigating other database platforms. In many instances, a better-informed DBA or programmer would have been able to handle the job in CA-IDMS. So if IUA can help our companies train their staffs, the cost savings to our companies could be extensive.

**Networking.** It may be just me, but when I attend CA-World or one of the IUA Workshops, I seem to get as much, if not more, out of the informal discussions in the hallway as I do in the formal presentations. Chatting with my colleagues is one of my favorite ways of finding out what is going on with CA-IDMS in other shops. I have met many individuals who have been generous in sharing their expertise. I am able to e-mail or call them for advice on a problem that my shop has had. And I have returned the favor. I don't think it is possible to place a dollar value on this interaction. IUA is working on ways to enhance these unique networking opportunities. The IDMS-L and our Web site are just a couple of examples of how the organization is encouraging networking among IUA members.

If you have an opinion about education or networking, please feel free to contact any of the IUA board members. This is your organization and we welcome your input.

I look forward to seeing a lot of old friends and making new ones at CAWorld 2000.

**(Jasmine<sub>ii</sub> and CA-IDMS® cont. from page 1)**

from customers to partners to staff. In a world where visually appealing and highly intuitive interfaces are often the only measure of success, Jasmine<sub>ii</sub> helps to ensure a valuable online experience—an experience that keeps customers coming back for more, suppliers/partners up to date, or internal operational staff informed.

Jasmine<sub>ii</sub> both leverages and extends existing business data and logic and supports many of today's familiar development languages and tools. For example, integration with databases, such as CA-IDMS, provides complete and direct read/write access to valuable time-tested data and logic without requiring data migration or replication and makes data available to Jasmine<sub>ii</sub>'s powerful development and deployment environment in a consistent manner. Jasmine<sub>ii</sub> maps the data structures, communication framework, transaction or messaging architectures, events, and business logic supported by a particular information source to the Jasmine<sub>ii</sub> infrastructure.

With Neugents, Jasmine<sub>ii</sub> applications can be further extended, enabling organizations to gather and intelligently evaluate customer data. By turning vast volumes of disparate data into meaningful information, organizations become empowered to better serve each individual customer based on demonstrated preferences and purchasing trends.

For more information, visit Computer Associates International, Inc., at [www.cai.com](http://www.cai.com).

## ● CALLING ALL EXPERIENCED CA-IDMS USERS

Few experiences are more professionally rewarding than helping your peers solve problems you've worked through for yourself and your organization. IUA is offering you the opportunity to do just that at the **IUA 2000 Workshop: Chicago H.O.P.E.** The workshop will focus on programming, DBA/technical issues, and Web-based technologies. If you have uncovered tips and techniques, solutions, or organizational or personal best practices in any of these areas, don't keep them to yourself any longer!

Your peers can learn from your successes and the challenges you have conquered along the way—and you'll learn by sharing with them. An employee who is a leader in his or her field is more promotable, and IUA Workshop presenters are, without a doubt, leaders in their field. And as a speaker, you will benefit from the educational and networking opportunities that are unique to the IUA Workshops—for free! Speakers will receive a complimentary Chicago H.O.P.E. registration (a \$199 value).

Please submit your abstract via e-mail to Bob Lentz, IUA Education Committee Chairperson, at [lentz@TiburonTech.com](mailto:lentz@TiburonTech.com). Or you can contact him at 770-971-9715 for more information.



## CAS CLIENT UPDATE FROM INTERBIZ

### THE eBUSINESS APPLICATIONS DIVISION OF COMPUTER ASSOCIATES

*By Gary Layton, Vice President, Marketing, interBiz, the eBusiness Applications Division of Computer Associates*

The CAS product lines, supporting both commercial and aerospace/defense industries, are now part of the interBiz Supply Chain Group bringing a solid product and some very well known clients into the interBiz family. But as CAS clients, do you know who the rest of the family is...and why interBiz was formed?

interBiz was formed in April 1999 to support the eBusiness initiatives of CA's application clients. interBiz is a division of Computer Associates focused on combining the functional skills of its people, and capabilities of its products, on users in the manufacturing, distribution, banking, and general finance markets. interBiz offers solutions for users in many different business and technical environments through the following groups:

- interBiz Supply Chain Group—supports medium to large manufacturers in the discrete and repetitive environments on hardware including Windows NT, AS/400, UNIX, and OS/390. The Supply Chain Group also supports distributors of all sizes on Windows NT, AS/400, and UNIX systems.
- interBiz Financial Group supports the general accounting function for businesses of all types on systems ranging from Windows NT, AS/400, UNIX, and OS/390's.
- interBiz Banking Group provides an integrated family of products that support the specific functional requirements of banks, and now offers a Bank Performance Management solution as well. Banking Group solutions run primarily on the OS/390 platform with new offerings in the client/server world.

- interBiz also includes ACCPAC International, who sells integrated accounting solutions through resellers to small to medium enterprises. ACCPAC also sells shrink-wrapped solutions for retail sales.

interBiz Supply Chain Group is augmented by having gained 13 members of the CAS development and support team. These people bring a wealth of manufacturing and financial knowledge to the group as they average 13+ years of manufacturing and financial application experience.

From a client perspective, the highlight of the creation of interBiz is the introduction of the interBiz Advanced Technology Group, and the creation of BizWorks. BizWorks is an eBusiness Intelligence Suite that is designed to provide the bridge between the families of interBiz transaction products and the Internet.

BizWorks consolidates the information from across the extended enterprise and correlates, analyzes, and predicts based on that information. BizWorks then provides dramatic, real time contextual visualizations of that information to drive decisions. BizWorks leverages the Web for an additional business intelligence resource, and provides the tools to leverage information portals and industry trading exchanges. BizWorks is a technology that allows clients to adapt the new ecommerce paradigm without replacing the transaction systems that support their business.

More on BizWorks will be presented and demonstrated at the interBiz at CA World Conference, April 9-14, 2000 in New Orleans.

**DON'T MISS**  
**THE IUA ROAD SHOW**  
**MAY 17-18 AT**  
**THE CA OFFICES IN PITTSBURGH!**

See article on page 7 for more details.



## ● COMMITTEE REPORTS

### TECHNICAL ADVISORY COMMITTEE UPDATE

The TAC Committee has collected many enhancement requests from members, regional user groups, and software providers. IUA will be presenting these requests to the IDMS community April 1 through April 30 through an IDMS Enhancement Request Ballot. This ballot will be mailed to all registered IUA members and will be available online at [iuassn.com](http://iuassn.com). If you choose to vote online, please do not return the written ballot you receive in the mail. If you chose to vote via written ballot, please do not vote online. Instructions for voting will be included with the ballot.

### ● REGIONAL USER GROUP REPORT

By now Y2K is just a bad memory, and we have moved back into our "normal" job and lives. One of the tasks that IUA RUG Chair, Dan Hall, has been undertaking is contacting as many of the current presidents of the local IDMS user groups as possible. Unfortunately, there are several user groups that no longer hold meetings due to a lack of user interest. Each of these presidents would be happy to restart their local user group if there was enough interest.

If your company is like most, there is plenty of interest in getting out on the Web. Maybe you're already there, you might be in the planning stages, or you could just be discussing it among yourselves. No matter what level you're at, there are others who would like to hear your opinions. If you're already on the Web, there are many individuals who would like to know how you got there, what went wrong, and probably more importantly, what went right. Your local IDMS user group is the place to get this information or to share this information.

Another issue facing a lot of users is the upgrade from IDMS 12.0 (or even 10.2) to IDMS 14.0 or 14.1. Again, a great place to share information is your local user group. If you are interested in joining your local group, contact **Dan Hall** at [dan.hall@corporate.ge.com](mailto:dan.hall@corporate.ge.com) and you will be put you in contact with the nearest IDMS user group.

### APPLICATIONS ADVISORY COMMITTEE UPDATE

The AAC Committee held a meeting February 5 in conjunction with the IUA board meeting. Phyllis Conlon, CA, gave us an update on CAS, which will be part of the interBiz product solution track at CA World 2000. This track will focus on end-user business solutions. The interBiz Supply Chain—CA-CAS track will offer a session on OLQ. If you are interested in learning more about OLQ, but you will not attend the event, visit <http://agendas.caworld.com/caworld2000/agendas/abstract.cfm?session=SCS03PN> for more information.

The committee also discussed a list of developer and end-user tools that interact with IDMS. In addition to CA-CAS they include:

- CA-ADS
- CA-ADS/Batch
- CA-OLQ
- ASF-OPTION
- CA-DB
- Architect CA-EDP/Auditor
- CA-ICMS
- CA-IDMS/Culprit
- CA-ADS/Generator
- CA-IDMS/ADS-Alive
- CA-IDMS/ADS-Trace
- CA-IDMS/DB-Extractor
- CA-IDMS/Dictionary Module Editor
- CA-IDMS/DC-Sort
- CA-IDMS/Dictionary Query Facility
- CA-IDMS/DML-Online
- CA-IDMS/Online Log Display
- CA-Endevor/DB
- CA-IDMS/Dictionary Migrator

We selected these products based on the fact that programmers and end-users use them as well as system programmers and DBAs.

The AAC Committee functions as a liaison between IDMS users and CA, communicating technical issues regarding the above products. We invite all members to participate in our next meeting in April during CA World 2000. Previously, the AAC and the Technical Advisory Committee (TAC) meetings were held during the same time slot. This year, the meetings will be scheduled separately, allowing interested individuals an opportunity to participate in both. If you are not able to physically join us at CA World, you can join us via telephone. Please call the IUA staff at 312-321-6827 or email [iua@sba.com](mailto:iua@sba.com) if you are interested. We will keep in touch with you on the date and time scheduled for this meeting.

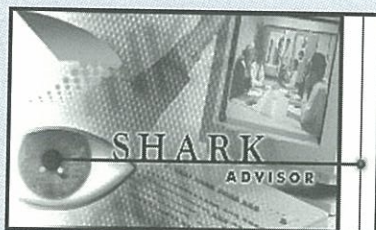


# Take a Look Into The

# Tiburon World



## Shark Advisor



Monitors Performance

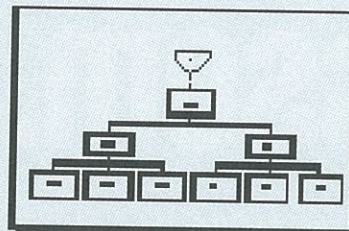
Internet-Based

Browser Independent

Trend Reporting

Predictive Analysis

Shark Advisor is the flagship tool of the Tiburon family of information tools and services that will offer organizations the opportunity to gain a better understanding of their data, to identify potential problems and to track trends that can predict various conditions before they may occur. The tool monitors system's performance using actual statistics captured at specific intervals. It has an alert agent that identifies conditions of various severity levels after they are detected to take proactive measures before a system outage occurs. The product is an integral part of Tiburon's performance and tuning services.



## View/IX

Intelligent Analysis Agent

Reduces Time DBAs Spend On Index Rebuilds and Manual Size Calculations

Supports CA-IDMS Release 10.0 Through 14.0

Supports MVS and VSE

*"Indexes comprise 20% of the raw data in a system, yet can cause 80% of many performance problems"*

## Services

Legacy Extension

Web Based Education

Database Support

Performance & Tuning

Application Projects

Migrations

## Tips

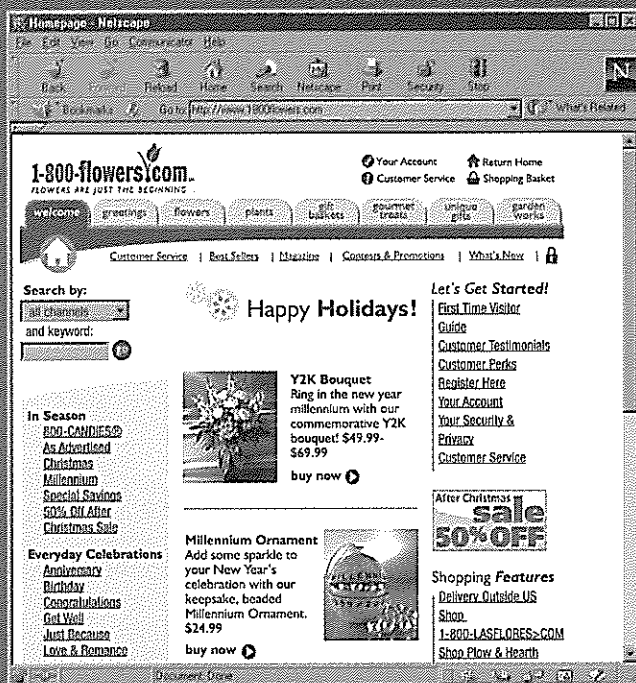
Consult the Tiburon Knowledge Base. Complete access at your fingertips for:

CA-IDMS	Lotus
DB2	Unicenter
ORACLE	Legacy to Web Tools
CAS	

For more information on how the Tiburon products or services fit into your world, please call Tracey at **800.394.3224** or visit us at **[www.tiburontech.com](http://www.tiburontech.com)**



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**COMPUTER  
ASSOCIATES**  
Software superior by design.

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## ● NOMINATE YOUR COLLEAGUE FOR THE IUA HALL OF FAME

Do you know someone who has made a significant contribution to the IDMS community? Well, don't let their efforts go unrecognized! Now is your opportunity to nominate one of your colleagues for the distinguished IUA Hall of Fame Award.

Your colleague can join the ranks of **Delores (Dee) Fisk** and **Dave Thole**. Fisk was given a posthumous Hall of Fame Award last year for her commitment to quality education and extraordinary customer service. Thole was inducted for his more than 25 years of IDMS experience and his role in the continued development of the product.

Please take a moment to identify someone who truly deserves to be honored by the IDMS community. Send your nomination, along with a brief description of the nominee's professional achievements to [iua@sba.com](mailto:iua@sba.com). All entries must be received by May 15, 2000.

## ● IUA ROAD SHOW UPDATE

Following two successful road shows last fall in Dallas and Denver, IUA road shows were on hiatus this winter. Does this mean you have to wait until the fall for IUA's 2000 Workshop: Chicago H.O.P.E. to have your CA-IDMS education and networking needs met? Of course not! IUA, in conjunction with the Pittsburgh CA-IDMS user group, has scheduled another day-and-a-half road show at the CA offices in Pittsburgh for May 17-18. Visit [iuassn.com](http://iuassn.com), call IUA Headquarters at 312-321-6827, or send an e-mail to [iua@sba.com](mailto:iua@sba.com) for more details.

The IUA road shows would not be possible without the hard work of the Road Show Committee, chaired by **Terry Schwartz**. Other members of the committee include **Bob Lentz**, **Becky Robinson**, and **Steve Nason**. If you are interested in having a road show in conjunction with your local CA-IDMS users group meeting, please contact Terry Schwartz at 972-461-3722 or at [terry.schwartz@ps.net](mailto:terry.schwartz@ps.net).

## ● DO YOU NEED TO CONTACT A CA EMPLOYEE?

### TRY THE FOLLOWING:

Firstname.Lastname@CA.COM.

For example: [John.Smith@CA.COM](mailto:John.Smith@CA.COM).

or

Firstname.Lastname@CAI.COM.

For example: [John.Smith@CAI.COM](mailto:John.Smith@CAI.COM).

## ● BOARD MEMBER PROFILE



**Name:** Becky Robinson

**Profession:**  
Director of Systems Management

**Company:**  
USA Group Loans, Inc.

**Biography:** As Director of Administrative Computing, Becky directs USA Group staff members who manage database administration, information security, and technical support. A USA Group employee since 1989, she helped launch two major high-availability, high-volume, and large-database IDMS applications along with client/server platform applications.

Becky started her career as a developer and quickly moved to supporting databases, including logical and physical database designs, performance and tuning, and project management. She is a graduate of Purdue University. Becky is married and has a 13-year-old son. Her hobbies include motorcycle riding and gardening.

**IUA Experience:** Becky is excited about what IUA offers to its members. "We provide an avenue for our members to find fantastic IDMS education, to easily network with each other, and to pinpoint vendor resources. IDMS is mission-critical to many companies—and IUA is here to support those users and to keep the product strong."

Becky chairs the IUA Marketing Committee and participates in the Technical Advisory and Education Committees. She encourages you to volunteer with IUA as well. "To participate with the board is exciting—you can directly influence future directions without having to travel anywhere! Email, conference calls, even snail mail can be used to contribute to the IDMS community. Any takers?"

## ● CAFE PROJECT COOKS UP A CBT SAMPLER

The IUA Education Committee has been working with CA on the Cafe Project for several months. CA has promised to create a computer-based training sampler. This sampler will have information about IDMS and will contain approximately 20 pages from existing IDMS content. The sampler CBT should be completed for handout at CA-World.



### QUESTIONS AND ANSWERS

**Question:** *I have just started to review the performance of the system and have noticed a significant increase in the use of storage by any of these DC programs (typically a 10-fold increase). This has caused us one or two problems with going SOS. The problem seems to result from watching the PMRM monitor while transactions are running and the programs now require a large amount of private storage below the line. This is the cause of our SOS in pool 0. I think we have followed all the CA recommendations for implementing LE/370 with DC including LI29837 and LI23664. We have created a CEEDOPT module with the recommended values and re-linked CEEPIPI and CEEBINIT as instructed, but this had no effect on the storage usage. The programs have all been compiled with the COBOL compiler RENT option as recommended and linked AMODE 31. Has anyone else out there noticed a similar problem when they implemented LE/370 and is this a benefit of LE/370 (or an IBM hardware selling feature sic.) or is there something else that I may have overlooked?*

**Answers:**

- 1) We had to re-link special subroutines as AMODE 31 RMODE 31 and recompile programs that used them. Compile all programs with compile option DATA (31). We increased our XA storage pool for USER USER KEEP by 50%. We are a heavy user of DC COBOL. We found that two programs were missed when we recompiled when we went to LE. When these two programs were called they had a serious impact on storage below the line. Make sure that all your DC COBOL defined in the system as storage protection is NO.
- 2) Make sure you have LOC ANY specified on all your 31 bit-eligible TASK statements—it is possible even if they are linked 31-bit, the LOC BELOW will force them below!

**Question:** *I need to do a page expand for a file with multiple areas in the file. The expand is easy, however when I try to change the area statements to reflect the new sizes (and the original page size), OCF refuses to make the changes giving me a message: \*+ Status = -4 SQLSTATE = 64000. Messages follow: \*+ DB004017 T222 C-4M6016: PAGE SIZE cannot be altered - maps to multiple-area \*+ FILE. Any suggestions?*

**Answer:** I suggest you drop all areas in the file and add them back with the new page size (don't forget ORIGINAL PAGE SIZE clause). I believe you even have to be careful of the order in which you do this. OCF does not like it if you drop an area that will leave a "hole" in the file.

(I'm not sure—it either won't let you drop the area or will just give an error). You might need to "strip" the areas off the end of the file as you drop them and recreate the areas from the first area in the file.

**Question:** *This morning our production CV crashed with a SOC4. Around the same time, we were reloading the SVC through CAIRIMS. Does anybody know if this could have caused the SOC4?*

**Answer:** Some time ago, I intentionally (that's my story and I'm sticking to it) refreshed an SVC while CVs were up and they did indeed die a quick and painless death! (12.01)

**Question:** *I have a question about the three "reserved" SVC numbers. Are they really reserved for CA's use? When I approached our MVS techie about using these SVC numbers, he informed me that SVC numbers lower than 256 are reserved for use by IBM, and IBM only. When I showed him the documentation that said it was okay for me to use them, he placed a call with IBM tech support to get the straight scoop. The person at IBM wasn't aware of these three SVCs being reserved for CA. Nor could he find any documentation that said they were. He said that if we were to use these SVCs, there was no guarantee that IBM wouldn't start using them for something else some time in the future. Has anyone else pursued this and got a different answer?*

**Answers:**

- 1) This issue came up during our upgrade to 12.01 in 1996. We contacted IBM and were told that they have no such agreement with CA and that SVC numbers under 200 should not be used. We also opened the issue with CA at the time. According to CA's Nancy Jones there is a "loose agreement" with CA to use those SVC numbers. CA told us to open a DAR requesting documentation changes. It wasn't worth the effort for us.
- 2) As far as reserved—despite any "loose" agreements that IBM doesn't acknowledge and CA says may exist—the real problem comes in a large decentralized shop: the IDMS techies ask if SVC 173 is used. MVS techies say no, so IDMS techies use it in CAIRIM, SYSGEN, and RHDCSRTT. However, since it is not "genned" into the MVS system, MVS has no official record of its existence (we use the SHOWMVS utility that was floating around to look at all the SVCs, whether "genned" or dynamic). But even if IBM honors CA in not assigning 172-173-174, nothing prevents another software provider from using those, nor prevents an ambitious person from reserving one of those for his/her own needs (whatever those may be). And, most likely, the person who registers the SVC to MVS will probably win ....



# Tiburon Technologies



TIBURON  
TECHNOLOGIES

CA World 2000

Let Tiburon Provide a Free Assessment

## Technology Assessments

Improve your buffers, CV parameters, eliminate resource bottlenecks

Predictive Analysis for potential resource constraints, system outages

Expert rules based engine analyzes system statistics and reports

## Index Assessment-View/IX

Analyze Index performance - fragmentation, orphans, splits, overflow

Index Optimization - recommend optimum index parameters

MVS or VSE Operating environment

Release 10.0 Through Release 14.0

System-Owned or User-Owned Indexes

## Legacy Extension Assessment

Legacy to Web Scorecard

Business-to-Business Scorecard

Supply / Demand Chain Review

## Education Assessment

Web-Based skills assessment for applications, technical and system resources

Determine skills competency matrix; Identify key areas for improvement

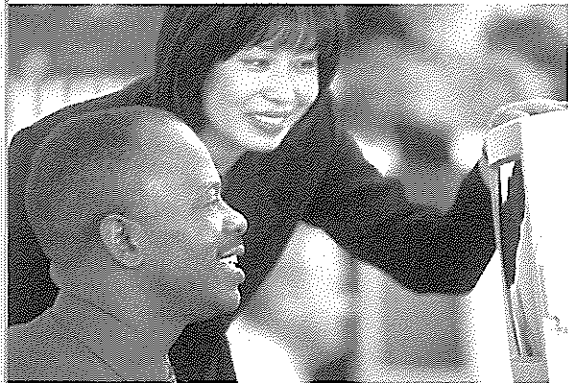
New hire skills assessment

Call Tracey about a free Assessment at **800.394.3224** or visit **[www.tiburontech.com](http://www.tiburontech.com)**. Review results by stopping by our booth at CA World 2000 in April.





# When It Comes To Security, Only eTrust Can Protect You Like This.



Security is the number one concern of every IT professional. The good news is that there's a proven solution you can trust.

## Without Bullet-Proof Security, Successful eBusiness Is Impossible

The only thing bigger than the opportunity that comes with putting your business on the Web is all the risk that goes with it.

Undetected attacks can strike at any time, from anywhere, in a variety of forms. Most sites can't even track every attempt. And new threats are developed every day, all over the world.

Without the right protection, eCompanies risk losing everything: data, customers, revenue, and more.

## A Simple Solution To Your Most Complicated Challenge

Online business through eCommerce, corporate intranets, partner-to-partner transactions on extranets and websites, all need to be secured. Protecting the integrity and availability of intranet information is critical to all organizations.

Unfortunately, in the race to become Web-enabled, security has taken a back seat. IT managers often give themselves a false sense of security with a standalone or partial security solution. They forget that eCompanies need an integrated and comprehensive security solution that provides best-of-breed functionality.

## eTrust Enables eBusiness

eTrust™ provides all the security solutions an eBusiness needs:

**COMPREHENSIVE** — From the browser to the mainframe, ensuring complete security in today's highly complex environments.

**BEST-OF-BREED** — eTrust solutions offer best-of-breed functionality across the board.

**INTEGRATED** — All eTrust solutions are designed and built to work together seamlessly.

**EASY** — eTrust solutions are easy to use, deploy, and administer, ensuring any environment is secured quickly and correctly.

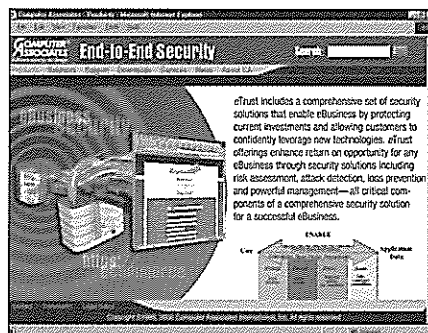
**MISSION-CRITICAL** — eTrust solutions offer the scalability, depth, and robustness fast-growing and successful eBusinesses need.

## eTrust Is Open And Extensible

eTrust allows you to leverage existing investments in security solutions — you will never have to start over or convert anything.

And eTrust can be implemented one function at a time or all at once — it's your choice.

And since eTrust is built on the Unicenter TNG® Framework™, it lets you snap-in other eBusiness management solutions as you grow and your needs change. eTrust is built on a standards-based, open infrastructure, so it's always easy to plug in any other standards-compliant products or solutions.



## eTrust Is Trustworthy

eTrust is not only backed by the world's leading security software company,\* it is also complemented by a complete set of outcome-based service offerings. CA Services™ stands ready to make sure your implementation is fast and trouble-free.

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Detect

Enable



**Question:** This is a question that pops up about every other year. Is there some way of getting the DBNAME within an ADS dialogue (a process (DML) command)? Every time I am asked this question, I go in search of the answer in vain. It is not included with the ACCEPT or the ACCEPT STATISTICS, and I can't seem to find it in the CSA either. Maybe someone out there has a nifty technique for doing this?

**Answers:**

- 1) One technique for this would be to invoke the DCUF interface (RHDCUF00) with a DCUF SHOW DBNAME and then interrogate to result. I'm not sure how "nifty" this is, but it should work.
- 2) You can make a call to IDMSIN01, specifying you wish to retrieve session profile information (GET-PROF). This is documented in a DML reference manual for COBOL in Appendix D. I know you asked about ADS, just make a work record for each of the parms passed, and then link to program IDMSIN01. I have used calls to IDMSIN01 from ADS.

**Question:** Could someone explain the purpose of a FACTOTUM task and what to do if one stays online all day?

**Answer:** FACTOTUM and HELOT tasks are dispatched from MASTER (task 0) and the Resource Controller DBRC (task 1). Master and DBRC will never wait for a resource, but rather will dispatch these slave drivers to perform a series of functions. When the slave drivers have completed their tasks, they return to either Master or DBRC for completion. MASTER dispatches FACTOTUM for online transactions, DBRC dispatches HELOT tasks for batch functions. These cannot be canceled (at least easily) and will not expire as their stall interval is set to "no stall". To remove the functions one must understand what the task was used for. For example, if you attempt to vary the load area offline, and you did not vary the run unit loader off, a HELOT task will be dispatched to vary the area. However this will not be complete until you vary the run unit loader offline. Therefore, the HELOT task will continue to wait.

**Question:** Does anyone know of an easy way to display a message (e.g., 'security violation') from an Adso premap process and exit the application without sending the map? We want a dialog to do its own security check in the premap, and if the user is not authorized, just issue a one line message and exit the application. Ideas?

**Answer:** How about transferring control to a DC COBOL program that does a WRITE TERMINAL command. See page 5-250 in the 12.0 COBOL DML manual or try an 'abort msg text is ...' in your process.

**Question:** I have a situation where a dcmt command has to be issued right after CV startup. Sometimes I forget to issue the command and it seems to happen more frequently with each passing year. There must be some way to issue a dcmt command as a part of startup. I thought an autotask would do the job, but I received an error, V84 T22 TASK:MAXTASK PROG:RHDCMT00;PROG:RHDCMT00; INVALID LINE I/O REQUEST PTERM \*UNKNOWN. Any suggestions on how this could be accomplished?

**Answers:**

- 1) There are at least three ways to execute a task at CV startup:
  - sysgen an autotask (COBOL or ADS) that links to rhdcmt00
  - modify wtoexit to look for the Enter Next Task Code message and spit out a UCFBATCH job (similar to the way journals and logs archives are submitted)
  - create an in/out line (2 DD names required) 1 pte 1 lte—the in DD name will contain the DC tasks you wish to execute—the out DD will contain the results of the command!
- 2) Did you notice the exclamation point so subtly placed after option 3? There is no program to code, no message to watch for, and, as Chris said, the result is in the out DD.

**Question:** Does anyone know of a tool that can reverse engineer an IDMS schema and produce a fully attributed ER diagram?

**Answer:** Sterling Software purchased the IEF CASE tool from Texas Instruments, and the ADW CASE tool from Knowledgeware. The products are now known as COOL: Gen and COOL: Enterprise, respectively. I used ADW to develop DFDs many years ago. I believe it had a re-engineering feature. The old IEF tool had a re-engineering feature. I have not used either of these new products from Sterling. See Web page [www.cool.sterling.com](http://www.cool.sterling.com) for further information.

**Question:** I have a query on adsobcom. I am trying to decompile a dialog on a r12 9809 MVS test system. The decompile statement is 'decompile dialog (ops\*d460) ver (1).' The response I get from IDMS is: 'dialog ops-d460 version 1 matches request. dialog ops-d460 version 1 not found'. Out of curiosity I tried adsobcom under VM against another test system (r12 9809) where there was a v 30 of the dialog. With the same decompile statement (other than the version difference), I got the decompile without any errors. Obviously I have something askew in

(continued on page 12)



**(Archive of IDMS-L, cont. from page 9)**

*the MVS side of things but since VM is my second language (not MVS) I have been unable to find it. Does anyone have any ideas?*

**Answer:** A possible answer is that you do not have the cailib (ca-c runtime library) defined in your steplib/loadlib!

***Question:** I have a puzzler. Doing an unload/reload, the reload hangs after sort 1 DBL2 never starts. This only occurs with a large file. The JCL works fine with 35,000 records, but goes into a hard wait when I use 32,000,000 records. The customer is on 9711 and is using Syncsort for the sort. Any clues?*

**Answers:**

- 1) A few weeks ago I had the same problem while I was running a reload (parameters: RELOAD NOTIFY 2500000 AS SORTXIT REUSE WORKFILES) with 70,000,000 records in the SYS002 input file. CA technical support advised me to run the reload in step mode. This worked (I have used an external sort program (CA-SORT) in the sort steps).
- 2) If you are using tape support for your work files and code BLKSIZE=0 to use the SDB feature in OS/390, there is a bug in IDMBDBLx utilities. The IDMSDBLx utilities will assume 4096 as the BLKSIZE instead of the best block size normally calculated by the SDB feature. I still have a DAR opened for that problem. You have to code the best block size yourself into your JCL. There is no problem with SDB feature using disk support for your work files. I hope this can help.
- 3) I just completed an unload/reload with 123,000,000 records. We always use step mode, and have no reported problems.

***Question:** Is there a way to set up an ADSO work record as if it were an ADSA global record? That is, it's not initialized before the premap process. Normally I would recommend using a queue record to serve that function, but we have a dialog whose work record is not initialized and I'm wondering how that happens. Any Help?*

**Answer:** While including a record in ADSG, mark it as 'work record' instead of new copy. If the same record is included in another dialog—presto it becomes a 'shared' one.

***Question:** A question was brought up the other day here: What modules are loaded from the STEPLIB?*

**Answer:** Under release 10.2, it was only RHDCTCKR, RHDCCHKR, and the startup module. I believe it is the same in post-10.2 systems.

***Question:** When we migrated to OS/390, we also went from genelevel 9607 to 9707 of IDMS. Things are going well, but I've come across a 'difference' in the CLEANUP utility and how it seems to interact with the security system. On 9607, I'm almost 100% certain (I don't have a 9607 environment to check to be sure) that I could run the CLEANUP utility, specifying the segment name being processed, without having to define the segment as a RUNUNIT in a resource category. That is, I did not have to 'add rununit segmentname.\*' to resource category number 1 (our category for rununit security). When I tried to run the CLEANUP utility after we migrated to 9707, I received a security violation—DB347012—security violation using SSC (name) with dbname (name) program idmsucus. After a bit of teeth gnashing and some choice words, I finally added a rununit 'segmentname.\*' to the above noted resource category and poof the CLEANUP utility ran just fine. I checked through TCC, but wasn't able to find any issues addressing this. I haven't opened an issue with CA, as I wanted to get some feedback from this list. Any thoughts?*

**Answer:** All is as you initially suspected, something between 9607 and 9707 changed in security and now it will make this security check. The thing that changed was the introduction of apar LO10431 as it was sourced with 9707 and that is what caused the error. Apars published for 12.0 (LO10431) and 14.0 (LO11172) are causing the CLEANUP utility to issue an "NRU" security check. The solution is what you have already done, defining the appropriate RUNUNIT in a CATEGORY granted to the user running the CLEANUP utility. DLODSECR member in distsrc lists rununits for all IDMS compilers, tools, and utilities.

*(continued on page 13)*



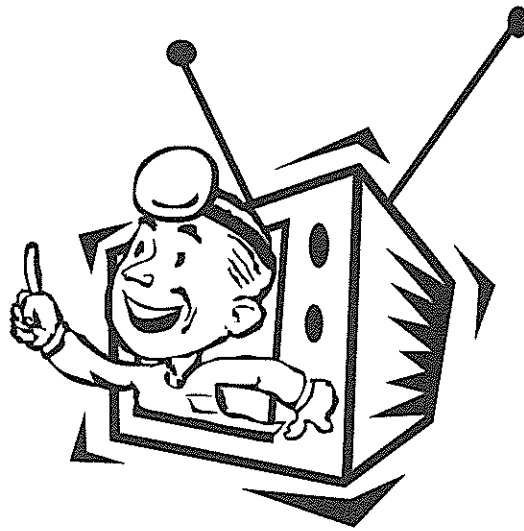
*Question: I'm going to increase the number of concurrent users from 300 to 800 on the IDMS 14.0 system that I support. What aspects of the system should I review and possibly change to maintain system performance?*

- 1) Look at resource timeout interval. More users will hold on to more resources, so scratch requirements could go much higher.
- 2) I would review the following:
  - GI76847—CA-IDMS/DC SYSGEN OPTIONS (CA keeps it updated)
  - GI96460—XA Storage for buffers (Run BIG buffers above the line, but watch OS paging)
  - GI16001—How max tasks is calculated
  - Consider multitasking.

- BTW, CA just came out with a new ptf that allows a large setting for sysgennd SYSLOCKS and still be able to bring up the cv. FYI, the SYSLOCKS overflow (dynamic allocation) comes out of pool 255 and then pool 0, according to CA.

13—





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	DM	ID300	CA-IDMS Database Navigation	Mississauga, ON	4/4 – 7
	DM	ID400	CA-IDMS Concepts & Facilities	Lisle, IL	4/24
	DM	ID300	CA-IDMS Database Navigation	Lisle, IL	4/25 – 28
	MSM	ID430	CA-IDMS Defining a Database	Los Angeles, CA	4/24 – 25
	MSM	ID440	CA-IDMS Database Implementing & Maintaining	Los Angeles, CA	4/26 – 28
May '00	DM	ID400	CA-IDMS Concepts & Facilities	Washington, DC	5/1
	DM	ID300	CA-IDMS Database Navigation	Washington, DC	5/2 – 5
	DM	ID400	CA-IDMS Concepts & Facilities	Boston, MA	5/22
	DM	ID300	CA-IDMS Database Navigation	Boston, MA	5/23 – 26
	DM	ID500	CA-IDMS DC/UCF System Generation and Operations	Washington, DC	5/31 – 6/2
June '00	DM	ID400	CA-IDMS Concepts & Facilities	Los Angeles, CA	6/5
	DM	ID300	CA-IDMS Database Navigation	Los Angeles, CA	6/6 – 9
	DM	ID400	CA-IDMS Concepts & Facilities	New York, NY	6/12
	DM	ID300	CA-IDMS Database Navigation	New York, NY	6/13 – 16
	DM	ID400	CA-IDMS Concepts & Facilities	Lisle, IL	6/26
	DM	ID300	CA-IDMS Database Navigation	Lisle, IL	6/27 – 30
	MSM	ID430	CA-IDMS Defining a Database	Mississauga, ON	6/19 – 20
	MSM	ID440	CA-IDMS Database Implementing & Maintaining	Mississauga, ON	6/21 – 23
July '00	DM	ID400	CA-IDMS Concepts & Facilities	Boston, MA	7/10
	DM	ID300	CA-IDMS Database Navigation	Boston, MA	7/11 – 14
	DM	ID400	CA-IDMS Concepts & Facilities	Alameda, CA	7/17
	DM	ID300	CA-IDMS Database Navigation	Alameda, CA	7/18 – 21
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