



Washington Area
Informix[®]
Users Group
Forum 2002

November 8 and 9, 2002

Fairview Park Marriott
Falls Church, VA

Forum 2002 Schedule - Friday, November 8, 2002

Time	<i>Grand Ballroom</i>	<i>Salon I & II</i>	<i>Salon III</i>	Exhibit Hall
7:30 - 9:00	Registration and Exhibits			<p>Premier Sponsor:</p>  <ul style="list-style-type: none"> • IBM Data Management - Informix <p>Gold Sponsor:</p>  <p><i>return to simplicity</i> Four J's Development Tools</p> <ul style="list-style-type: none"> • Four J's Development Tools <p>Exhibitors:</p> <ul style="list-style-type: none"> • Advanced DataTools • Artinsoft • Brio Software • Brio Software • Fourth Generation Software • Gillani, Inc. • Hewlett Packard • International Informix Users Group • Querix • ServerMetrics • Sun Microsystems • UDT Consulting • Xtivia
9:00 - 10:00	IDS Internals - Everything you never knew! Art Kagel Bloomberg, L.P.	(Not) A "DB2 IDS Comparison" Serge Rielau IBM Canada	Using Perl and DBI/DBD with Informix Darryl Priest Piper Rudnick	
10:00 - 10:15	Break and Exhibits			
10:15 - 11:15	IDS Internals - Everything you never knew! Art Kagel Bloomberg, L.P.	(Not) A "DB2 IDS Comparison" Serge Rielau IBM Canada	Building Secure Web Apps. with IDS Michael Chaney ChainLink	
11:15 - 11:30	Break and Exhibits			
11:30 - 12:15	Keynote - The Future of IBM Informix Don Top, VP, IBM Informix Product Development			
12:15 - 1:00	Lunch and Exhibits			
1:00 - 1:45	Keynote - The Future of Informix Technology Paul Taylor, VP, IBM			
1:45 - 2:00	Break and Exhibits			
2:00 - 3:00	IDS Troubleshooting Joseph Lobo IBM	DB2 and Informix Data Administration Nalini Subu Home Depot	Windows and Web Services for I4GL Don Bizell Four J's	
3:00 - 3:15	Break and Exhibits			
3:15 - 4:15	Informix 9.4 Jonathan Leffler IBM	Enterprise Replication Madison Pruet IBM	Websphere Meets Informix Marty Lurie IBM	
4:15 - 6:00	Refreshments, Wine, & Cheese Door Prizes - Exhibits Hall			

Forum 2002 Schedule - Saturday, November 9, 2002

Time	Grand Ballroom	Salon I & II	Salon III	Exhibit Hall
7:30 - 9:00	Registration and Exhibits			Premier Sponsor: <ul style="list-style-type: none"> IBM Data Management - Informix
9:00 - 11:30	Managing and Tuning your IDS Server Using the Sysmaster Database Lester Knutsen Advanced DataTools	Upgrade to IDS 9.3 Carlton Doe IBM	Windows, Web, and Web Services for I4GL Applications Don Bizell Four J's Development Tools	Gold Sponsor: <ul style="list-style-type: none"> Four J's Development Tools Exhibitors: <ul style="list-style-type: none"> Advanced DataTools Artinsoft Brio Software Fourth Generation Software Gillani, Inc. Hewlett Packard International Informix Users Group Querix ServerMetrics Sun Microsystems UDT Consulting Xtivia
11:30 - 12:15	Keynote The International Informix Users Group Jerry Hamilton President, IIUG			
12:15 - 1:00	Lunch and Exhibits			
1:00 - 3:30	SQL Performance Tuning Kevin Fennimore UCI Consulting	Bringing IDS Internals to the Surface Mark Scranton IBM	How to Spatially Enable Your IBM Informix Database Chris Bosch IBM	Arlington Room DSS and HPL Jack Parker Artentech

Speaker Profiles

Keynote Sessions - Friday:

11:30 am SESSION: Keynote - The Future of IBM-Informix

SPEAKER: Don Top, VP, IBM Informix Product Development

Don Top began his technology career answering product questions on the phone for Informix Software in 1986. Over the next 6 years he became the most senior advanced support engineer at Informix, with ultimate responsibility for diagnosing the most difficult problems experienced by Informix database customers. Don then spent 6 years engineering improvements to Informix's new Dynamic Scalable Architecture (DSA) engine, concentrating on high availability and product serviceability. He then managed development, and in 1997 directed all development for IDS 7.3, the product currently in use by more Informix customers than any other database engine. For the last 3 years prior to IBM's acquisition, Don was Vice President of Product Development at Informix Software, beginning with full responsibility for Informix Extended Parallel Server (XPS) and, in August 2000, became responsible for all product development at Informix, overseeing the activities of 500+ engineers. Upon IBM's acquisition of the Informix database business in July 2001, Don retained this responsibility over continuing development of the Informix product. In March 2002, Don stepped into the new role of Informix Customer Advocacy Executive where he now ensures the issues and concerns of the Informix customer and partner base receive the necessary attention.

1:00 pm SESSION: Keynote - The Future of Informix Technology

SPEAKER: Paul Taylor, VP, IBM

Email: paultay@us.ibm.com

Paul Taylor is an IBM Distinguished Engineer for IBM data management software. Paul has 18 years of experience building high performance and reliable distributed data management systems. He spent 5 years at BNR in Ottawa, Canada developing access methods and file systems that are used in telephone switches. He was at Informix Software in Menlo Park, CA for 12 years where he was heavily involved in the design and implementation of the Informix DBMS server product line. At Informix, he was responsible for designing and implementing technology in the areas of distributed databases, data partitioning, shared nothing architectures, and high performance infrastructure for OLTP and Data Warehousing. Paul joined IBM as part of the Informix acquisition in July 2001. Paul currently works in the Data Management architecture team at IBM, and is involved in IDS product strategy, integration of the Informix technologies into DB2, and with other DB2 initiatives. Paul has a BSc from UBC in Vancouver, BC, Canada.

Keynote Session - Saturday 11:30 am:

SESSION: Keynote - The International Informix Users Group

SPEAKER: Jerry Hamilton, President, International Informix Users Group

Email: jerry@iiug.org

Jerry Hamilton is the current IIUG President and concurrently serves on the St. Louis Area Informix Users Group Board of Directors, and has been involved with the meeting organization committee. Jerry has worked hard to help resurrect the local user group and his efforts are paying off as membership is on the rise and attendance at local meetings is quickly growing. Jerry has over 20 years experience with relational databases, including TOTAL, Supra, IMS, and Informix. He has spent the last 10 years working with Informix products as a DBA, developer, and programmer. Jerry is a Senior Manager of Database Administration for Fleishman-Hillard, Inc. at their world headquarters in St. Louis, Missouri.

Speaker Profiles

Technical Sessions - Friday 9:00 am

SESSION: IDS Internals and Disk Structures. Everything you never knew!

SPEAKER: Art Kagel, Bloomberg, L.P.

Phone: 212-318-2697

Email: kagel@bloomberg.net

Detailed description of IDS 7 & 9 internals including many reserved page data structures. Attendees will gain a clearer knowledge of the internal structure of IDS servers and databases. Observant attendees will have the tools to build utilities to peruse the reserved pages. Brave attendees may be able to repair minor damage, rename chunks, and other operations they should never attempt.

Art S. Kagel has been using Informix database products since the first SQL version of 4GL, far too long to remember. He has been the catalyst for bringing relational database technology to several organizations as a consultant and employee. Art is a recognized expert on the use and maintenance of Informix database servers (a fact to which he readily admits) and is the author of a suite of DBA tools for IDS that extend beyond the functionality of IBM's own Informix tools.

SESSION: (Not) A "DB2 IDS Comparison"

SPEAKER: Serge Rielau, IBM Canada

Phone: 905-413-3907

Email: srielau@ca.ibm.com

In this session, Serge Reilau will try to match up IDS tasks and features with their DB2 equivalents. If time permits, he will try to give a DB2 V8 overview demo.

Serge Reilau is a technical manager in the DB2 SQL compiler. After 6 years with IBM, including one as a student, he is involved in most DB2 SQL language related changes as well as driving his colleagues and various news groups nuts.

SESSION: Using Perl and DBI/DBD with Informix Databases

SPEAKER: Darryl Priest, Piper Rudnick LLP

Phone: 410-580-4737

Email: darryl.priest@piperrudnick.com

We will be discussing the use of Perl and the database connectivity modules DBI and DBD::Informix used with Informix databases. Darryl Priest has worked with Informix as a programmer and/or DBA for 10 years. He discovered the pleasure of programming connecting Perl and Informix on UNIX about 4 years ago and hesitates to work in any other environment. He currently supports both an Elite accounting system and a PeopleSoft system for a large law firm.

Technical Sessions - Friday 10:15 am

SESSION: Building Secure Web Applications with IDS

SPEAKER: Michael Chaney, ChainLink

Phone: 703-430-5752

Email: mikec@chainlink.com

Security is more than just a buzz-word, it's imperative in today's environment where everything is connected to the net. This session provides hands-on advice on how to design, build, deploy, and maintain secure web applications. Michael Chaney is the Co-founder and Technical Director of ChainLink Networking Solutions, Inc. located in Reston, Virginia. The company is an IBM Informix System Integration and Consulting partner and was established in 1995 to offer Internet software development, Web technical consulting, and network security services. Chaney is a certified professional who has been dedicated to Internet development and database integration on the Web since the conception of the Internet for commerce use. He has worked on many exciting e-business projects and has created the ChainLink Halo network security product.

Speaker Profiles

Technical Sessions - Friday 2:00 pm

SESSION: IDS Troubleshooting

SPEAKER: Joseph Lobo, IBM

Email: loboj@us.ibm.com

The session will cover a number of topics that will help a user to troubleshoot an instance. A brief discussion of the interaction between IDS and UNIX will be followed by a discussion of assertion failures, shared memory dumps, and the development of test cases.

Joseph Lobo has been teaching Informix classes (System Administration, Performance Tuning, Internals, Troubleshooting, and Advanced Performance Tuning) at IBM for the last four years. In the past, he has also taught UNIX classes (System Administration, Performance Tuning, Internals) on a number of platforms.

SESSION: Comparison of DB2 UDB and Informix Data Administration Tools

SPEAKER: Nalini Subu, Home Depot

Phone: 770-433-8211 ext. 10916

Email: Nalini_Subu@homedepot.com

Compare and Contrast IDS and UDB (EE) with regard to overall architecture, disk components, concurrency, utilities etc. Nalini Subu has been a Home Depot Associate for the last 4.5 years supporting DB2 UDB, Informix, and SQL Server. She has approximately 15 years experience with a variety of RDBMSs, both from an application development and an administration standpoint.

SESSION: Windows, Web, and Web Services for I4GL Applications

SPEAKER: Don Bizell, Four J's Development Tools

Phone: 972-893-7300 x205

Email: tonylt@4js.com

Unlock the jewels hidden in your 4GL applications by providing Windows, HTML, and Java front-ends for them. Then bring them right up to the minute with support for Web Services - WSDL, SOAP, and UDDI. Too good to be true? Four J's Development Tools will show you how in this session.

Don Bizzell is a Principal Systems Engineer for Four J's Development Tools. Previously he was a Director of Services at Ascential after being a Systems Engineering Manager, and Systems Engineer for Informix for over five years. He has been a programmer since the late 70's working mostly on financial analysis applications.

Speaker Profiles

Technical Sessions - Friday 3:15 pm

SESSION: Informix 9.4

SPEAKER: Jonathan Leffler, IBM

Email: jleffler@us.ibm.com

Jonathan Leffler started using Informix SQL and Informix 4GL in 1986. He joined Informix UK in 1990, and moved to the USA in 1993 to be the technical lead for the I4GL maintenance team. He wrote a book, Using Informix SQL, which is now out of print. He has been involved with D4GL since its introduction in 1998. He has long been active in the comp.databases.informix newsgroup, and developed and maintained the Perl DBD::Informix module.

SESSION: Enterprise Replication and Availability in the IDS server

SPEAKER: Madison Pruet, IBM

Phone: (972) 561-6156

Email: mpruet@us.ibm.com

This session will focus on the setup and monitoring of ER on the IDS server. Items covered will be 1) internal logic used by ER, 2) significance of tables used within the syscdr database, 3) troubleshooting ER, 4) workarounds to existing limitations, and 5) new stuff in 9.3 and 9.4. Madison Pruet joined Informix as a regional advanced support engineer in 1994. Prior to that he worked with La Quinta Inns as systems/dba engineer, Sperry Corporation as a field engineer on the Univac system, and Xerox as an application developer. He is currently acting as one of the IDS lead developers.

SESSION: Websphere Meets Informix

SPEAKER: Marty Lurie, IBM

Phone: 781-895-2743

Email: lurie@us.ibm.com

WebSphere is IBM's industry leading Java Enterprise Edition platform for high performance web sites and advanced e-business deployments. IBM Informix IDS is a best-of-breed, general purpose, mission-critical OLTP database for e-business. How do these two excellent offerings interoperate? This session will first review the concepts of Java applications and databases. Then you'll see how to combine WebSphere with Informix. Additionally the Websphere Application Development Workbench will be used to illustrate object mapping for making Java objects persistent. Metrics for optimal configuration of IBM Informix will be provided as well as hints and tips on application design for optimal performance.

Marty Lurie started his computer career generating chads while attempting to write Fortran on an IBM 1130. His day job is in Systems Engineering for IBM's Informix organization, but if pressed he will admit he mostly plays with computers and has also worked with DB2. His favorite program is the one he wrote to connect his Nordic Track to his laptop (the laptop lost two pounds, and lowered its cholesterol by 20%). Marty is an IBM-certified DB2 DBA, IBM-certified Business Intelligence Solutions Professional, and an Informix-certified Professional and a Certified IBM Senior Consulting IT Specialist.

Speaker Profiles

Technical Tutorials - Saturday 9:00 am

SESSION: Managing and Tuning your IDS Server using the Sysmaster

SPEAKER: Lester Knutsen, Advanced DataTools Corp.

Phone: 703-256-0267 x 102

Email: lester@advanceddatatools.com

This session will focus on scripts to manage and tune your Informix Server using the Sysmaster database. The presentation will include managing and tuning user sessions, server configuration, dbspaces, chunks, tables, and monitoring IO using the sysmaster database. This session was originally presented at the Informix User Conference and is the basis of the chapters I wrote for The DBA Survival Guide (<http://www.dbasurvivalguide.com>), the Informix Handbook (<http://www.informixhandbook.com>), and for the Informix Tech Notes. The session has been updated to include material for Informix IDS 9.3.

Lester Knutsen has been developing applications with Informix software since 1983. He is president of Advanced DataTools Corporation, an IBM-Informix Consulting, Training, and Tools Partner specializing in data warehouse development, database design, performance tuning, and Informix training and support. Currently, Lester specializes in developing web-enabled data warehouse systems. He provides training and consulting in database design and performance tuning, and is widely known in the Informix community for his extensive experience and teaching skill. Lester is also president of the Washington D.C. Area Informix User Group, one of the largest and most active Informix user groups, and is one of the founding members of the International Informix Users Group.

SESSION: Upgrade to 9.3 Tutorial

SPEAKER: Carlton Doe, IBM

Phone: 972-561-6103

Email: cdoe@us.ibm.com

In this session, Carlton will cover the various steps and things to look out for in upgrading from IDS ver. 7 to ver. 9. He will also cover, in detail, most of the new functionality ver. 9 provides and how it can be used

Carlton Doe had over 10 years of Informix experience as a DBA, Engine Administrator and 4GL Developer before joining Informix in 2000. During this time, he was actively involved in the local Informix user group and was one of the five founders of the IIUG. He served as IIUG President, Advocacy Director, and sat on the IIUG Board of Directors for several years. He is best known for having written two Informix Press books on administering the IDS engine as well as several whitepapers and technical articles. Carlton currently works for IBM as a Technical Sales Manager in Dallas.

SESSION: Windows, Web, and Web Services for I4GL Applications Tutorial

SPEAKER: Don Bizell, Four J's Development Tools

Phone: 972-893-7300 x205

Email: tonylt@4js.com

Unlock the jewels hidden in your 4GL applications by providing Windows, HTML, and Java front-ends for them. Then bring them right up to the minute with support for Web Services - WSDL, SOAP, and UDDI. Too good to be true? Four J's Development Tools will show you how in this session.

Don Bizzell is a Principal Systems Engineer for Four J's Development Tools. Previously he was a Director of Services at Ascential after being a Systems Engineering Manager, and Systems Engineer for Informix for over five years. He has been a programmer since the late 70's working mostly on financial analysis applications.

Speaker Profiles

Technical Tutorials - Saturday 1:00 pm

SESSION: SQL Performance Tuning

SPEAKER: Kevin Fennimore, UCI Consulting

Email: kfenn@uci-consulting.com

In this session we will discuss various performance tuning topics such as indexing strategies, schema, query and application optimization, correlated sub-query enhancements in 7.3, and optimizer directives. Kevin Fennimore has been working with Informix for over 12 years, specializing in the area of performance tuning. Most recently his company, UCI Consulting, Inc., has concentrated on tuning PeopleSoft applications running on Informix and Oracle and has become one of the top companies in this area. He can be reached by phone at 1-888-UCI-FOR-U or by email at kfenn@uci-consulting.com.

SESSION: Bringing IDS Internals to the Surface - Using Internals for Performance Tuning and Troubleshooting

SPEAKER: Mark Scranton, IBM

Phone: 303-973-2213

Email: mscranto@us.ibm.com

This session exposes IDS internals that could be used daily in the configuration, performance tuning, and maintenance of IDS. Included are topics such as physical log overflow, physical/logical page addresses, fragmentation, disk/page level overhead, max number of extents, and long transactions. Mark Scranton is a Principal Consultant/Trainer with IBM in Denver. Mark joined Informix in 1995, and has focused exclusively on IDS, XPS, and DB2 engines, including internals, performance tuning, and configuration. Mark can be contacted at mscranto@us.ibm.com, mail@markscranton.com, or at his website at www.markscranton.com.

SESSION: How to Spatially Enable Your IBM Informix Database

SPEAKER: Chris Bosch, IBM

Phone: 301/803-2276

Email: bosch@us.ibm.com

Learn how you can generate vital business intelligence and gain competitive advantage by spatially-enabling your IBM Informix database. Topics covered in this tutorial include the installation, configuration, and use of DataBlade modules that extend IBM Informix Dynamic Server with data types, functions, and indexes for managing spatial data. Chris Bosch is an Advisory Software Engineer at IBM where he contributes to the DB2 Spatial Extender and Informix Spatial DataBlade Module development efforts. He joined Informix Software over six years ago and is an Informix Certified Professional.

SESSION: DSS and HPL Tutorial

SPEAKER: Jack Parker, Artentech

Email: jparker@artentech.com

HPL has the power to load and unload data to your Informix database an order of magnitude faster than traditional methods. This makes it the optimal tool not only to load and unload data, but also for data migration, as an adjunct to your backup strategy, data reorganization, or any other reason you might have to move large chunks of data around your database. Come find out how best to take advantage of this facility. Jack Parker is a Systems Architect who has been building and running Informix based solutions for the past sixteen years. For the past seven of these he has been involved in the data warehousing industry. He is an occasional writer, speaker, and contributor to comp.database.informix. He is a partner with Arten Technology Group, a consulting company in Southern New Hampshire.

Exhibitor Profiles

Advanced DataTools Corporation - www.advanceddatatools.com

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Advanced DataTools Corporation (ADTC) is dedicated to providing database consulting services and support to companies using Informix database software. Mr. Lester Knutsen, a Certified Informix Professional and consultant with over 20 years of experience in database development, founded the company in 1993. Our senior consultants have a minimum of ten years of database experience, and can provide you with the depth of database knowledge you need, when you need it. We provide database design, development, and implementation, administration, web-database integration, data warehouse implementation, training, troubleshooting, and new project development services. Advanced DataTools is dedicated to the satisfaction of our customers. The majority of our consulting projects come from references from our customers. We take a great deal of pride in the number of database systems developed and tuned over the years that are still in use as production systems, and in the number of customers who continue to use and recommend our training.

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ArtinSoft is the industry leading enterprise software migration and upgrade specialist. Founded in 1993, ArtinSoft's breakthrough products and services, based on its Freedom7 technology, are used by enterprises worldwide to accelerate software evolution to modern platforms. ArtinSoft's cost efficient, rapid, and scalable solutions empower companies to migrate and upgrade mission critical applications and to leverage the knowledge capital embedded in existing software assets.

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Brio Software, Inc. helps Global 3000 companies achieve breakthrough business performance by aligning everyone in the enterprise with the company's business goals. The Brio Performance Suite's unparalleled ease-of-use helps people make real-time decisions and take immediate action for accelerated return on investment, turning people who think into people who perform.

Exhibitor Profiles

Four J's Development Tools - www.4js.com

251 O'Connor Ridge Blvd, Suite 245, Irving, TX 75038

Contacts:	Tony Lacy-Thompson	Joe Golden
Phone:	408-738-2723	773-968-6460
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Four J's Business Development Suite allows Informix 4GL applications to be rapidly and seamlessly re-purposed across multiple user interfaces such as HTML, Java, Windows, X.11, WML, and ASCII, and databases such as IBM DB2. Support for Web Services ensures that 4GL applications can easily integrate with other, non-4GL applications.



Four J's Development Tools

Forum 2002 Gold Sponsor

Fourth Generation - www.fourthgeneration.com

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The Fourth Generation 'Exact Fit' Accounting software is written in 100% IBM/Informix 4GL/Four J's BDL. Fourth Generation Accounting is a source code product developed and maintained with a Rapid Application Development (RAD) Tool. The Fourth Generation products are upward compatible with the FourGen Business Series Accounting and the FourGen CASE Tools and Informix Forms and Menus.

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Building on the heritage of the FourGen, Endura, and Irista names, Gillani's iDistribute suite of products is a complete end-to-end enterprise solution offering a unique combination of planning, execution, collaboration and monitoring capabilities delivering extraordinary business results for its users.

Exhibitor Profiles

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Querix is the leading '4GL, ESQL-C & NewEra' development tools author. Dedicated to this community, our mission is to enhance & modernize the 4GL language with the latest technology and trends. The Querix 4GL product range including Character, Windows, Java2 and Html 'Advanced-Client-Systems' are compatible with Informix, Oracle, MS-SQL Server and DB2 RDBMS.

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ServerMetrics provides monitoring and performance analysis of Informix systems thru our product, Observer. Observer is delivered over the Internet directly to a web browser, with no software installed on either the database or client PC. Clients are monitoring within minutes and review graphs and reports from our website.

Sun Microsystems - www.sun.com

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Exhibitor Profiles

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UDT Consulting, with headquarters in Dallas, Texas, and additional offices in Louisiana, Georgia, Arkansas, and Florida, has over 100 years of combined experience with IBM/Informix technology. Our services include Health Checks, Performance Tuning, Back-Up and Recovery Planning, Migration Services, Extensibility Enhancements, and Database or Application Conversion. When you need IBM/Informix expertise, think UDT.

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- **Washington Area Informix Users Group - Forum 2002**
- **The Washington Area Informix User Group Web Site on CD**
- **The Southeast Informix Users Group Web Site on CD**
- **The International Informix User Group Software/FTP Archive on CD**
- **The Informix Frequently Asked Questions (FAQ)**
- **IBM Informix IDS 9.3**
- **IBM Informix SE**
- **Extras ...**

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