



What's New with Informix?



Gayathri Magie, Sr. Manager,
Informix Development



Agenda



- **Informix update**
- What's new in 2010?
- Academic Initiative
- Smart References
- Summary





Informix is everywhere...



**US Emergency
911 calls**



**95% of Telecom
Service Delivery
Providers**



**VISA
Transaction
Authorizations**



Supermarkets

**Informix[®]
software**



**1000s of
Retailers**

1980 Informix founded
2010 IBM Informix's Technology
Leadership Continues.

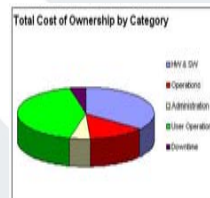
Informix 11 – Version 11.50.xC7

Currently Shipping



Continuous Availability Replication & Scale Out

- Multiple Secondaries
- Shared Disk Secondary
- Active-Active cluster
- Workload management
- Flexible failover handling
- Backup/Restore to Directory
- Parallel Whole System Backup
- Ordering of DBSpaces During Backup/Restore
- Continuous Log Restore
- Non-Blocking Checkpoint
- Optimistic Concurrency
- Enterprise Replication Enhancements



Admin Free Zone

- Open Admin Tool
- Admin API
- Cluster Management
- Extensive ER Support
- Rename and Configuration Changes
- Automated Update Stats
- Improved Wizards
- Windows Installer Updated to Installshield ISW



Application Development

- Dynamic SQL in SPL
- Trigger Enhancements
- Named Parameters in a Callable Statement
- BIGINT and BIGSERIAL support
- Derived Tables in the FROM Clause of Queries
- Index Self Join
- Basic Text Search with XML support
- Enhanced Data Types for Distributed Queries
- Deployment Wizard
- Optimizer Directives in ANSI-Compliant Join Queries
- Sysdbopen / Sysdbclose
- XML Publishing & Transformations
- Auto Re-prepare
- Web Feature Service



Security

- Common Criteria (ISO/IEC 15408)
- Label Based Access Control
- Encrypted Communication in HDR
- Single sign-on via Kerberos
- SSL Encryption

Informix Technical Roadmap



2005

Optimized OLTP Engine (Informix 10)

- Query performance improvement
- Online index build
- Multiple page size support for better space utilization
- Enhanced buffer management
- Increased security with column encryption
- Disaster recovery with table level restore

2007 - 2008

Scale-out at lower costs (Informix 11)

- Multi-node active cluster for high-availability (MACH) 11 with multiple remote servers and shared disk cluster
- Open source tool for administration, SQL Admin API to embed admin tasks
- Improved checkpoint performance
- Secured data encryption, LBAC, Common Criteria certification
- Enhanced application development for SOA and XML
- Web Feature Service support for geospatial applications
- Data Server Client
- Text Search
- MQ Support
- Retail Integration Framework

2009*

Business Optimization

- Informix Warehouse
- Cognos integration
- Virtual Appliance
- Cloud Computing support
- Online Storage Optimization
- XPS features
- External Tables
- In memory support with SolidDB
- Heterogeneous Replication via CDC
- 3-D Internet collaboration
- Delay/Stop Apply Cluster
- 4GL Enhancements

vNext - Panther



Application Integration

- Grid Computing
- SOA in the Database
- Enhanced Warehouse capabilities
- Performance/Index advisor
- More XPS Features
- Red Brick Features
- Deeper Embed
- Automatic storage provisioning
- Automatic Fragmentation
- Embedability toolkit
- Installation API
- solidDB
- Oat Enhancements
- Security
- Fine-grained Auditing
- Trusted context
- Conversion of ASCII DBs to UTF-8
- 4GL Enhancements

*Features subject to change

The information on the new product is intended to outline our general product direction and it should not be relied on in making a purchasing decision. The information on the new product is for informational purposes only and may not be incorporated into any contract. The information on the new product is not a commitment, promise, or legal obligation to deliver any material, code or functionality. The development, release, and timing of any features or functionality described for our products remains at our sole discretion.

Informix Technical Roadmap



**Informix *
vNext+
2012**



- Seamless heterogeneous replication
- 100% Availability
- High scalability clusters
- Full Autonomics
- Enhanced App Support

**Informix *
vNext++
2014**

Continue to invest in Informix to increase its strengths and to open new markets

**Informix *
vNext+++
2016**

Continue to invest in Informix to increase its strengths and to open new markets

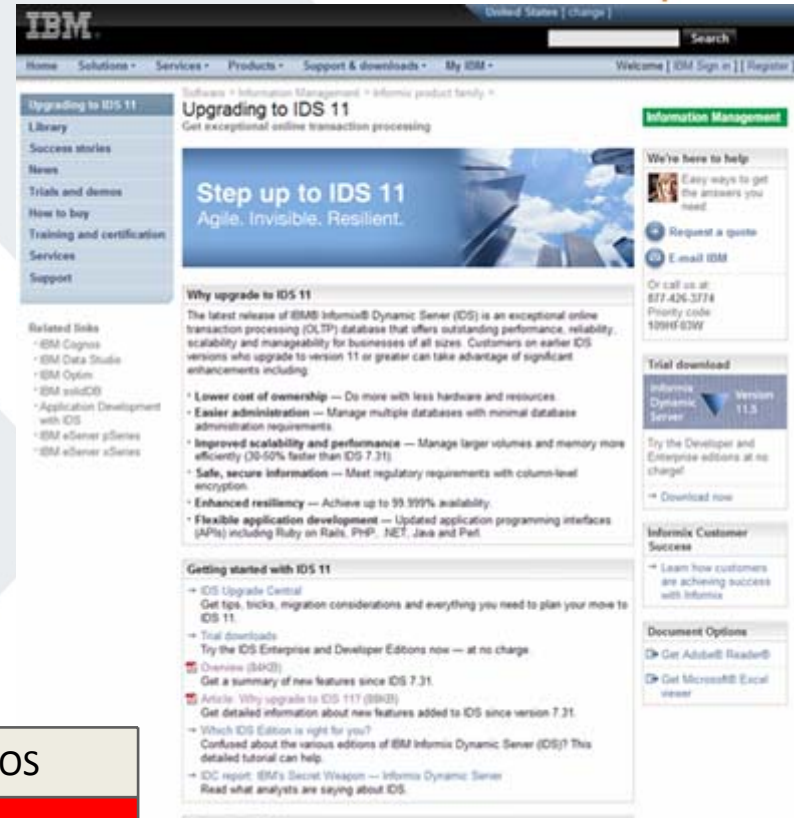
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Upgrading IDS and the Product Life Cycle



- In order to guarantee continued feature enhancements and functionality improvements, Development needs to focus on the latest key code streams
- Clients on Subscription & Support can upgrade for free from IDS 9 or 10 to IDS 11
- IDS 7 clients must purchase a “trade-up” license to upgrade



IDS Version	EOM	EOS
7.31	Sept 2008	Sept 2009
9.40	Apr 2008	Apr 2009
10.00	Sept 2009	Sept 2010
11.10	Sept 2009	Sept 2012
11.50	Active	Active

ibm.com/software/data/informix/upgrade/

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Informix Commitment From the Top – Arvind Krishna



- “As an integral element of IBM’s data server business, the future for Informix is very bright.”
- “Our current product plans outline significant technological enhancements through the next five years, consistent with IBM software policy with regard to product strategy roadmaps.”
- “You can have confidence that new and existing Informix database software investments will retain their strong standards and business relevance moving forward.”
- “This relevance is highlighted by IBM’s support of a growing worldwide ecosystem of Informix application providers, solution providers and resellers.”
- “I urge you to learn more about Informix 11 and how IBM has improved upon an already innovative data server, offering you the stellar performance, reliability and ease of use your business demands.”

Introducing New Informix Team Members



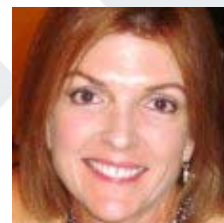
Rob Thomas
Information Management,
VP Business Development



Steve Shoaf
Information Management,
Informix WW Sales Leader



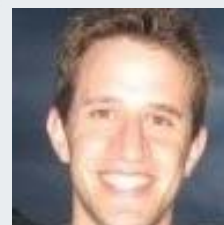
Atul Chadha
Information Management,
Program Director Informix
Technology Ecosystem
"SWAT TEAM"



Sally Hartnell
Information Management, Informix
Product Marketing



Ranjun Chauhan
Information Management,
Social Media & Community
Marketing



Ted Wasserman
Information Management, Informix
Channel Marketing

4 Imperatives will drive our Informix strategy



Delight the install base: Enhance the Informix client relationship and improve client loyalty



Build Strategic Differentiation: Fix the messaging and enhance the overall Informix value proposition to the market



Create Proactive Sales Culture: Develop a proactive, high-touch culture, with expansion into growth areas (embedded, etc).



Build New, Profitable Revenue Streams: Build new revenue streams that capitalize on the strong and growing footprint of Informix

Informix Vision and Goals



Year 1: Enhance Customer Service & Support / Panther

Year 2: Round out business via key channel plays

Year 3: Significant Progress in New Markets

- Recreate support experience
- Enhance support offerings
- Energize current ISV's

- Define specialized market positioning
- Publicize benchmarks
- Announce Informix COE's
- Build 'skills marketplace'
- Triple technical writing output



- Expand Informix embedded
- Assign IBM execs/lab to top clients/partners
- Create Informix Technical Enablement Team

- Define new product packaging
- Application support
- New channel partners

IBM is making new investments to support Informix

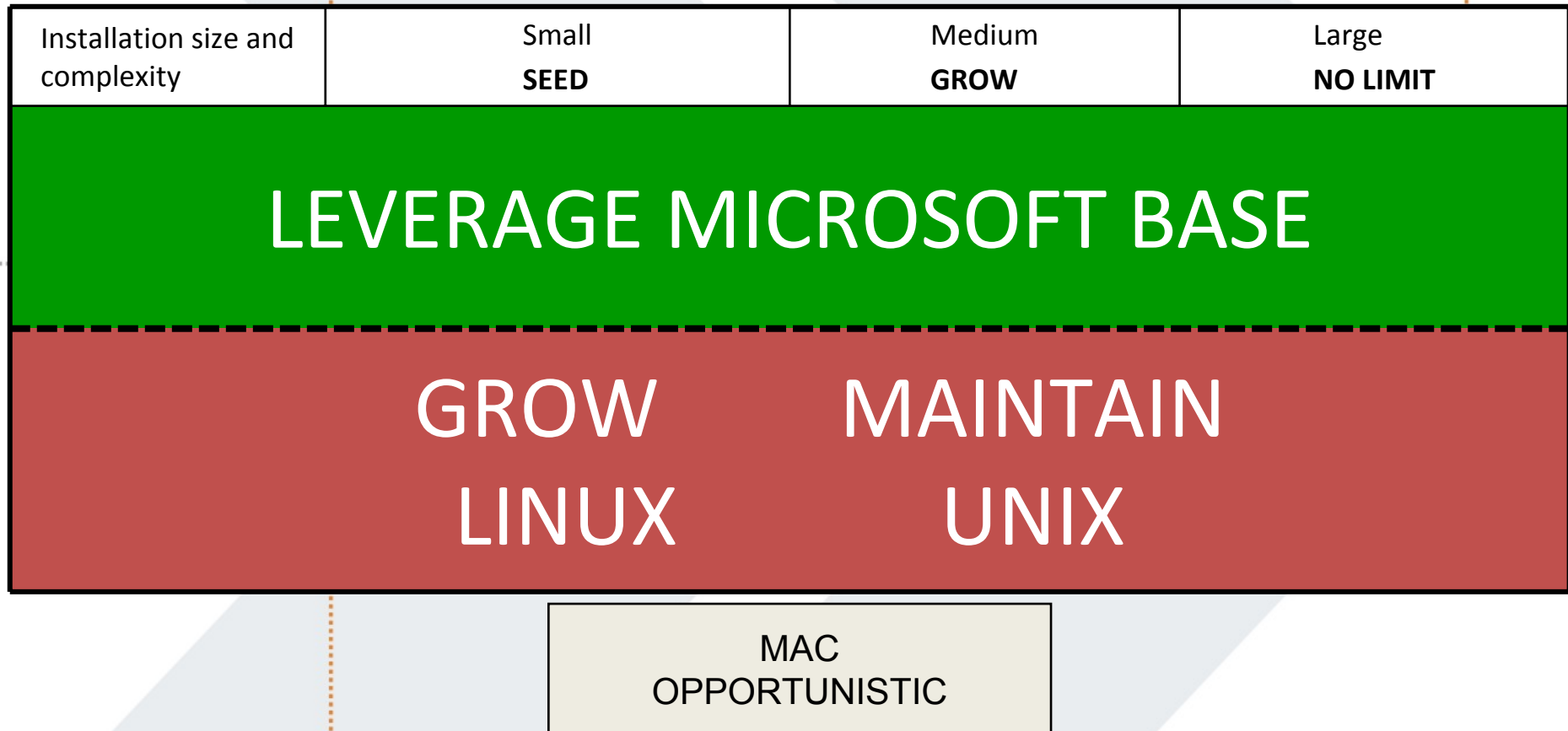


-  Increased Awareness
-  Improved technical support

-  Expanded Collaterals
-  Others



Simplify and focus the product pricing and packaging



IBM Informix software

Creating Growth Opportunities for Clients and Partners

Informix Ultimate-C Edition

- Free to download, develop, and deploy
- For Windows
- For Mac OS



New Informix Naming, Packaging and Pricing



	Price	S&S	Access	Resource Limits	Capabilities
Informix Developer Edition Linux/Unix/Win/Mac	Free - 1 Dev license No distribution	Community	Public download	1 GB RAM 1 CPU	All inclusive
Innovator-C Edition Linux/Unix/Win/Mac	Free to develop & deploy (distribution requires license)	Optional: Selected Support	Public download	2 GB RAM 1 socket or 4 cores	Features Unavailable: Compression, CAF, multiple secondaries, parallel features, partitioning, Advanced Access Control, Informix Warehouse, Partially Available: Enterprise Replication (2 nodes)
Ultimate-C Edition for Windows	Free to develop & deploy (distribution requires license)	Optional: Selected Support	Public download	16 GB RAM 4 sockets or 16 cores	Features Unavailable: Compression, CAF, multiple secondaries
Ultimate-C Edition for Mac	Free to develop & deploy (distribution requires license)	Optional: Selected Support	Public download	16 GB RAM 4 sockets or 16 cores	Features Unavailable: Compression, CAF, multiple secondaries
Growth Edition Linux/Unix	Licensing via LU Socket AU CS PVU	Required	PPA	4 sockets or 16 cores	Features Unavailable: Compression, parallel features, partitioning Partially Available: 3 node cluster (1 primary, any 2 secondaries)
Ultimate Edition Linux/Unix/Win/Mac	Licensing via PVU AU CS	Required	PPA	unlimited	Optional Add-on: Compression

Informix Technical Roadshow



- For IBMers and Clients
- A free, two-day, deep-dive technical event that gives hands-on experience with the latest Informix technology.
- Topics include:
 - Latest features of Informix11.5
 - Informix Warehouse
 - Deep Compression
 - Upgrades and Migrations



Informix Partner Bootcamps



- For IBM Business Partners
- Presentations and Hands-on-Labs covering topics such as:
 - Informix Embeddability features
 - Administration & performance tuning
 - Informix Warehouse
 - OpenAdmin Tool
 - Continuous Availability
 - Data compression
 - ... and more!

Date	Country	City	Other Information
Mar 17 - 19, 2010	Argentina	Buenos Aires	
Mar 16 - 18, 2010	China	Shanghai	
Mar 22 - 23, 2010	Ecuador	Quito	
Mar 22 - 24, 2010	Venezuela	Caracas	
Mar 22 - 24, 2010	Taiwan	Taipei	
Mar 24 - 25, 2010	Ecuador	Guayaquil	
May 10 - 11, 2010	Australia	Melbourne	
May 12 - 13, 2010	Australia	Melbourne	Informix Warehousing Clinic
May 17 - 19, 2010	Peru	Lima	
May 17 - 18, 2010	Australia	Sydney	
May 19 - 20, 2010	Australia	Sydney	Informix Warehousing Clinic
May 31 - Jun 2, 2010	Malaysia	Kuala Lumpur	

Informix Chat with the Lab Series Continues



Informix Chat with the Lab series

Welcome to the Informix chat with Lab page! We are excited to share that now we will be recording Chat with the Lab in the [Spanish](#) Language.



IIUG Conference 2010: Don't miss this great opportunity!!

IIUG members who register online in advance get \$100.00 off the above prices through April 21.
For more information visit -> <http://www.iiug.org/conf/2010/iiug/register.php>



Featured Chat

Benefits of IBM Timeseries

Date: Wednesday April 21 2010
Time: 11:30-13:00 EDT (GMT-05:00) / 10:30 am Central / 8:30 am Pacific / 16:30hrs London / 17:30hrs Frankfurt, Paris / India 9PM
Speakers: Jerry Keesee(IBM), Kevin Brown(IBM)

Description:

Ramp up the speed for your time-dimensional data OR How do you manage 'Time' in your data
Is time an aspect of your data? Are you aware of special capabilities in Informix that allow you to more easily manage this type of data - and speed up processing?
Learn how the TimeSeries datablade is helping companies save energy, save money, and save 'time' and how this technology may apply to you in new and creative ways.

Jerry Keesee, Director of the Informix Lab will introduce the call and Kevin Brown, Informix Chief Architect will be our technical speaker.

To register for this event Click [here](#)

Charts will be posted shortly

We launched the Panther Early Validation Program – “Beta”



The screenshot shows the IBM website interface for the Informix product family. At the top, there is a navigation bar with the IBM logo, a search bar, and links for Home, Solutions, Services, Products, Support & downloads, and My IBM. The page title is "IBM Informix Early Access Program". The main content area includes a description of the program, a list of program benefits, and next steps. On the left, there is a sidebar with a navigation menu for the Informix product family. On the right, there is a "Get Started Today" section with a call to action to join the beta program.

United States [change]

IBM®

Home Solutions ▾ Services ▾ Products ▾ Support & downloads ▾ My IBM ▾

Welcome [IBM Sign in] [Register]

Software > Information Management > Informix product family >

IBM Informix Early Access Program

The IBM Informix Early Access Program provides our clients and partners with early exposure to the next release of IBM Informix. As a beta program participant, you will be able to evaluate and provide feedback on new features and capabilities in Informix before its general availability.

Program benefits

- You will get early access to new capabilities and validate that new and enhanced features meet your needs
- You will be able to prototype solutions in your environment for faster deployment and easily transfer skills to your staff which can you a competitive edge
- You will have access to IBM resources through lab advocates to ensure successful deployment
- You will assist the IBM Information Management team in defining the product roadmap and ensure product readiness for General Availability (GA)

Next steps

→ Submit a nomination form for our Informix Beta Program

Informix product family

- Library
- Success stories
- News
- Trials and demos
- How to buy
- Events
- Training and certification
- Services
- Support

Information Management

Get Started Today

Discover the new face of IBM Informix

- Join the Informix beta program
- Visit Informix on developerWorks
- Download and explore the current version of Informix 11.5 Developer and Enterprise Editions

Related links

- IBM Cognos
- IBM Data Studio
- IBM Optim
- IBM solidDB
- Application Development with IDS
- IBM eServer pSeries
- IBM eServer xSeries

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Informix content is being refreshed on ibm.com



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Software > Information Management > Informix product family >

Embedding Informix

Discover Hassle-Free Data Management with Informix

[Embedding Informix](#) | [Key Benefits](#) | [Real World Experiences](#) | [Resources](#)

Deliver a complete, world-class solution
Demonstrate your technology leadership by providing your customers a complete and hassle-free solution that includes an invisible, pre-configured, pre-tuned data management solution. Whether you sell to large enterprises, or small-to-mid-sized businesses, you'll ensure your customers receive a high-quality "out of the box" experience, with no need to buy database licenses or deal with manageability issues.

Achieve platform independence
Informix is available on multiple versions of Windows, Linux, UNIX, and MAC operating systems, so OEMs, ISVs, and VARs are not locked into a single platform and can pursue more market opportunities. Informix is standards-based, and supports a wide choice of integrated development environments and application development languages. The same installer can be used on all platforms and can be customized and hidden within the embedded solution very easily.

Accelerate time-to-market
Focus on your core business and let Informix take care of the data management requirements. When you embed Informix, you avoid unnecessary development time, and you do not have to compromise on database performance or functionality. Informix is faster to install, setup, configure, and fully deploy than other enterprise class RDBM systems.

Reduce your development costs
Key benefit: Reduced development costs of Informix data management solutions.

Informix product family

- Library
- Success stories
- News
- Trials and demos
- How to buy
- Events
- Training and certification
- Services
- Support

Information Management

We're here to help

Easy ways to get the answers you need.

- Request a quote
- E-mail IBM

Or call us at:
877-426-3774
Priority code:
109HF03W

Related links

- IBM Cognos
- IBM Data Studio
- IBM Optim
- IBM solidDB
- Application Development with IDS
- IBM eServer pSeries
- IBM eServer xSeries

New Informix “Upgrade” Case Studies



IBM Information Management
Case Study

Insurance



IBM and People’s Insurance Company of China

Systems Upgrade Case Study

Overview

Business Challenge

The Guangdong site is the busiest site operated by the People’s Insurance Company of China, handling about ten thousand connections every day. The site helps police officers from across China’s most populous province access insurance information needed to process traffic accidents. PICC was looking for a way to make their systems faster and more secure, to make sure that the information in their database was available at all times.

Solution

PICC opted to upgrade the systems at its Guangdong site to take advantage of enhanced speed and new features offered by Informix 11.5.

On January 17, 2010, a team from IBM China Software Development Laboratory (CSDL), led by Informix® Enablement Manager Young-Yi Tan, upgraded the People’s Insurance Company of China Guangdong site from Informix 9.4 to Informix 11.5. The team had only 22 hours to complete the upgrade, including rebuilding five pairs of High-Availability Data Replication setups. After nearly six months of careful planning, the team was able to complete the upgrade in the allotted time, with no complications.

Challenge

As China’s largest insurance provider, PICC processes thousands of transactions every day, about ten thousand at the Guangdong site alone. PICC sites are open 24 hours a day, seven days a week to help provide police with needed insurance information for motorists involved in traffic accidents. Police officers rely on PICC to provide them with insurance information they need to properly process traffic accidents. The PICC sites use Informix database software to process the transactions between police officers and the PICC database of insurance information. Even a short outage at one of the sites could mean chaos on the motorways, as police would be unable to get the information they need to process traffic accidents. Guangdong is the most populous province in China, which also means that it has the most registered motor vehicles- and the busiest PICC site.



We created a new team targeted at **Application Developers**



Mission:

Increase the adoption of Informix through better tools and features

Improve support for popular tools when needed

- Ex: Hibernate

Identify and go after popular tools

- To improve or add support for Informix

- Identify and implement functionality to simplify application development

- Facilitate porting to Informix
- Enhance SQL compatibility
- Add capabilities to simplify some processing



IIUG Open Source for Informix Project



<http://www.iiug.org/opensource>



- Goals
 - Enable Key Open source applications and tools on Informix
 - Feed the changes back to the proper organizations
 - Stimulate participation to accelerate the effort
- Beta products already available!
 - Hibernate 3.2.6, 3.3.2, 3.5.1
 - Xwiki 2.2.5: Java-based 2nd generation wiki
 - Mediawiki 1.15.x: Wiki engine of wikipedia
- Effort in progress: Drupal 6.16



Home

Member Area

About IIUG



IIUG Informix Conference
Overland Park, Kansas
April 25-28, 2010 >>

Resources

- IIUG Insider
- IIUG Hotspots
- IBM-Informix Links
- IIUG RSS Feeds
- Software Repository ▶
- Informix Products ▶
- Online Resources
- Informix Library ▶
- Informix Books
- IIUG Banners
- Discussion
- Technical Special

The Open-Source for Informix Project

Welcome to the open-source for Informix project! The goal of this project is to make popular open-source applications and tools available to the Informix community. As a first step, the required modifications will be available here while we are working with the appropriate open-source communities to get them integrated with their product.

What follows is a list of active or completed projects, followed by a list of open-source products we'd like to see run on Informix. If you know of products that already support Informix, want to add to our wish list, volunteer to work on a product, or simply send us your comments, feel free to contact the project coordinator at opensource@iiug.org.

Active projects: (in alphabetical order)

Drupal

drupal.org

In progress

Informix.
software

April 2010

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Informix News

New 17 March 10 - ZDNet (blog) David Morgenstern - TCO: New research finds Macs in the enterprise easier, cheaper to manage than... [Read](#)

New 17 March 2010 - Virtualization Review - ...key components of Big Blue's platform to the commercial cloud such as its WebSphere

Informix Social Marketing Communities are Growing



Informix Bloggers

- [Eric Herber](#)
- [Fred Ho](#)
- [IDS Experts](#)
- [Leo Chan](#)
- [Jacques Roy](#)
- [Guy Bowerman](#)
- [Alex Ivanov](#)
- [Fernando Nunes](#)
- [Keshava Murthy](#)
- [Kevin Brown](#)
- [Lukas Barton](#)
- [PlanetIDS](#)
- [William Wheeler](#)
- [Jonathan Leffler](#)
- [Madison Pruett](#)
- [Oninit](#)
- [Rajesh Nair](#)
- [Carlton Doe](#)
- [Bruce Weed](#)

Informix Twitter Communities

- [gproctor](#)
- [karen_qualley](#)
- [SpokeyWheeler](#)
- [pkutty](#)
- [OAT4IDS](#)
- [InformixLA](#)
- [murad007](#)
- [hntran](#)
- [HowardGlaser](#)
- [jasnaIBM](#)
- [miravck](#)
- [atul khachar](#)
- [Judyburk](#)
- [miguelcarbhone](#)
- [Lic10hr](#)
- [gary benisrael](#)
- [jgperrin](#)
- [IUG_Germany](#)
- [FastInformixDBA](#)
- [InformixZone](#)
- [russellclancy](#)
- [Informix_IDS](#)
- [Vagnerpontes](#)
- [lesterknutsen](#)
- [markscranon](#)
- [IIUG](#)
- [IBM_Informix](#)

Facebook Communities

- [IBM Informix Dynamic Server \(IDS\) Fan Page](#)
- [IIUG \(group\)](#)
- [IIUG Fan Page](#)
- [Informix \(Group\)](#)
- [Informix on Campus \(group\)](#)

LinkedIn Communities

- [Database Developers & Architects Group - Informix DB](#)
- [Informix Related People](#)
- [Informix Supporter](#)
- [International Informix Users Group](#)

Agenda



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Informix on Campus Momentum



- “Informix in a Box” for professors
- Informix 101 for students
- New Informix Fundamentals Certification
- New 9-part tutorial series
- Getting Started books and e-book
- Informix Discovery Kit DVD
- Campus activities around the world
 - Over 200 students taught in past year
 - Activities with 12 universities
 - Working on additional universities



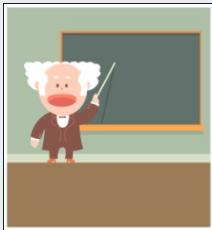
UNIVERSITÉ DE STRASBOURG



BAKER
UNIVERSITY



Introducing Informix in a Box ...



Powerpoints on each topic for classroom teaching use



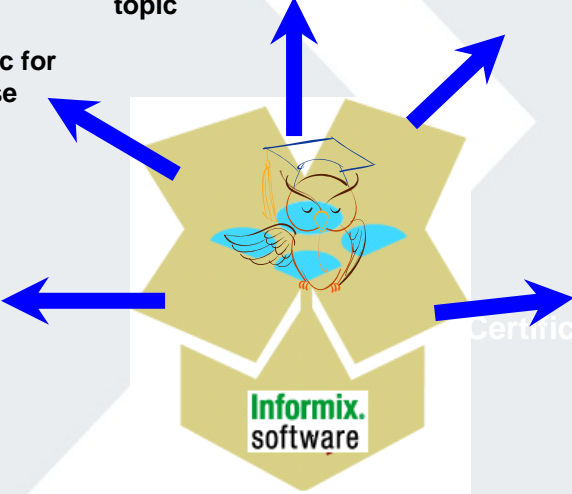
Hands on labs for each topic



DVDs with class material and VMware images for hands on lab





Recorded "Training for Teachers" for you to get trained on each topic on Informix



T-shirt for all students

IBM Informix Workshop for Students





IBM Informix Database Server Workshop

Date: MM DD, 2009
Time: 0:00 AM – 0:00 PM
Location: City, ST

INTRODUCTION

This workshop provides a theoretical and hands-on experience with IBM Informix Data Server. Participants will learn about the architecture of the Informix Data Server, application development environments, object relation capabilities and more.

IBM Informix Data Server is the database server is known for its online transaction processing capabilities and used by eight of the top ten US retailers. IBM Informix Data Server is known for following.

Resilient – most customers report almost no unplanned downtime with years of service. Replication features enable data to be shared throughout the enterprise when and where needed without a single line of application code.

Agile – With its object-relational architecture, data can be modeled as the business uses it enabling faster and richer application development and applications once deployed. Informix Data Server natively supports a wide range of functional capabilities such as Spatial or Spatial-Temporal, Biometric, Financial, Scientific and Manufacturing data types and objects that other data servers either can not or only provide limited functionality with additional external servers.

Invisible – Informix Data Server is the market leader in Ease-of-Administration. It is not uncommon for a single Informix Data Server Administrator or Database Administrator to successfully manage hundreds to thousands of production instances while maintaining "5 9's" of availability. .

OBJECTIVE (CUSTOMIZABLE)

In this workshop, students will learn database architecture through Informix. Students will also learn about various tools available to access a database and application development environments. The session will also provide insight into object relational features in databases. Students will also get hands-on experience in creating a database environment and application development.

AUDIENCE

This workshop is targeted for students interested in knowing more about database technology. It is also of great value for those who are looking for a data server to integrate into their projects. Some basic knowledge of general database technology and functionality would be very helpful. The labs will be executed in a Linux® environment so a basic fluency in Linux/Unix commands, including the vi editor is helpful but not required.

AGENDA

Topics can include any of the following. Content of the workshop can be customized based on objectives, lab availability, time constraints. Each topic will take roughly one hour to cover with an additional hour for hands-on lab.

<ul style="list-style-type: none">• Why databases?• Introduction to Databases<ul style="list-style-type: none">• Architecture• Managing and Monitoring• Database Extensibility• Object Oriented features in Informix• Elements of Performance• Replication and High Availability Technologies	<ul style="list-style-type: none">• Planning and installations• Application Development Environments• SOA and Web Services with Databases• Database Security• DBMS instances and storage objects• Tables, Views, Indexes• Using SQL• Data Concurrency• Tools and Utilities• Backup and Restore
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

CERTIFICATE

All workshop participants will be presented with a certificate of completion at end of the class.

COST

This workshop is offered free of charge.

SCHEDULE

<To be determined after discussions with computer science department.>

CONTACT FOR INFORMATION

To enroll in this educational session, please contact < to be determined after discussions with computer science department/faculty>

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Informix Fundamentals Certification



Professional certification > Certifications > Test information

Test 000-555: IBM Informix Dynamic Server 11.50 Fundamentals

Overview | Objectives | Test Preparation | **Test registration**

Training Resources | Sample / Assessment Test

→ Authorized **Prometric** test centers (worldwide testing)

Courses and publications are offered to help you prepare for the certification tests. The courses are recommended, but not required, before taking a certification test.

Tutorial

→ [Informix Dynamic Server 11.50 Fundamentals Exam 555 Certification Preparation Series](#)

This complimentary series of nine tutorials has been developed to help you prepare for the IBM® Informix® Dynamic Server (IDS) 11.50 Fundamentals certification exam (555). This certification exam will test your knowledge of entry-level administration of IDS 11.50, including basic SQL (Structured Query Language), how to install IDS 11.50, how to create databases and database objects, security, transaction isolation, backup and recovery procedures, and data replication technologies and purposes. These tutorials provide a solid base for each section of the exam. However, you should not rely on these tutorials as your only preparation for the exam. Each tutorial should take about an hour to complete. You can take the tutorials online or download a PDF.

developmentWorks > Information Management

Informix Dynamic Server 11.50 Fundamentals Exam 555 certification preparation series

This complimentary series of nine tutorials has been developed to help you prepare for the IBM® Informix® Dynamic Server (IDS) 11.50 Fundamentals certification exam (555). This certification exam will test your knowledge of entry-level administration of IDS 11.50, including basic SQL (Structured Query Language), how to install IDS 11.50, how to create databases and database objects, security, transaction isolation, backup and recovery procedures, and data replication technologies and purposes. These tutorials provide a solid base for each section of the exam. However, you should not rely on these tutorials as your only preparation for the exam.

Each tutorial should take about an hour to complete. You can take the tutorials online or download a PDF.

- [Informix Dynamic Server 11.50 Fundamentals Exam 555 certification preparation, Part 1: IDS planning and installation](#)
Learn how to plan, install, and start an IDS instance—a great place to start to successfully understand and use IDS.
- [Informix Dynamic Server 11.50 Fundamentals Exam 555 certification preparation, Part 2: Security](#)
Get an introduction to the concepts of authentication, authorization, and privileges as they relate to IDS 11.50.
- [Informix Dynamic Server 11.50 Fundamentals Exam 555 certification preparation, Part 3: DBMS instances and storage objects](#)
Learn how to identify and connect to Informix database servers and databases. Learn also how to create and configure database storage objects, and gain an understanding of system databases and system catalog tables.
- [Informix Dynamic Server 11.50 Fundamentals Exam 555 certification preparation, Part 4: IDS tables, views, and indexes](#)
Gain an understanding of the objects you can create and use inside Informix Dynamic Server to hold raw data, improve performance, and maintain data integrity.
- [Informix Dynamic Server 11.50 Fundamentals Exam 555 certification preparation, Part 5: Using SQL](#)
- [Informix Dynamic Server 11.50 Fundamentals Exam 555 certification preparation, Part 6: Data concurrency](#)
Gain an understanding of the data concurrency mechanisms in IDS to help maintain the integrity of your data in a multi-user environment.
- [Informix Dynamic Server 11.50 Fundamentals Exam 555 certification preparation, Part 7: Tools and utilities](#)
Learn about the tools and utilities available in Informix Dynamic Server that make monitoring and administering IDS easier.
- [Informix Dynamic Server 11.50 Fundamentals Exam 555 certification preparation, Part 8: Backup and restore](#)
Understand essential Informix Dynamic Server 11.50 database backup and restore concepts. Learn how to use the ON-Bar and ontape utilities to back up and restore database server data.
- [Informix Dynamic Server 11.50 Fundamentals Exam 555 certification preparation, Part 9: Informix replication technologies](#)
Explore the different replication and high availability technologies offered by Informix Dynamic Server. Learn how to set up an IDS server for replication and high availability.

- IBM provides voucher to professors and students under the Informix on Campus program to take the Informix Fundamental Certification exam at NO COST

NCSU VCL – Virtual Computing Lab



- The Virtual Computing Lab (VCL - <http://vcl.ncs.edu>) is a true cloud computing solution developed by NC State, and in production for nearly 6 years. It is extremely stable (having been well tested) and secure - and served up some 80,000 images to NC State students last semester alone
- Current project consists of adding an Informix virtual machine image to the VCL software stack/library
- Looking at ways to motivate faculty members and students of different universities to use the image
- Replacing the current MySQL backend with an IBM-only backend
- Porting effort underway with IBM and NCSU to port the original PHP and PERL code to be DB-agnostic



Agenda



- Informix update
- What's new in 2010?
- Academic Initiative
- **Smart References**
- Summary



Smarter Communications



Cisco relies on Informix for Unified Communications Solutions



*It's very, very important to us that what we have is of high quality, what we have has the power behind it to make sure that it has both the longevity and the support that we need. **Cisco is taking advantage of the fact that IDS is easily embeddable, and also, the redundant capabilities that IDS has to allow us to use our distributed architecture to scale for our customers.***" - Phil Harris, Senior Director of Engineering, Cisco

Smarter Government



Secretary of Finance, Jalisco, Mexico serves 3 million+ citizens with single authoritative database of tourist, tax, and legal information



What's smart?

- Easier, better service to 3 million citizens
- Reduced cost of tax collection
- Reduced paper consumption

Smarter Business Outcomes

- Integration with 21 state departments, organizations and private offices
- Flexible access to single, authoritative Informix database via retail kiosks, computers, handheld and mobile devices
- Continuous data availability

“By integrating agency services using a single SOA-based framework, IBM has helped us significantly improve citizens’ access to services, decrease infrastructure costs and reduce our environmental impact. We believe this will soon become the model for other states across Mexico.”

Smarter Manufacturing



DIMENSION-POLYANT is an internationally renowned manufacturer of ultra-modern sailcloth. They rely on high tech, data intensive quality controlled manufacturing process to produce top-quality sailcloth used in by regatta winners worldwide.



What's smart?

- Being the global market leader with a continued emphasis on quality and service.
- The only sailcloth manufacturer with its own ultra-modern sailcloth weaving mill and a unique finishing plant where fabrics pass through a 14-stage program
- Winners in national and international regattas in all boat classes



Smarter Business Outcomes

- 70% reduction in data transaction times
- Transparent integration of existing programs into new application
- Fast, global remote access for international locations



"Changing the platform went very well and absolutely smoothly... We are very satisfied."

- Hans Ulrich Hermans, DIMENSION-POLYANT

Smarter Traffic



TrafficMaster delivers solutions for smarter navigation that can reduce fuel consumption by 30%



What's smart?

- Real-time vehicle tracking
- Real-time traffic prediction
- Efficient resource management

Smarter Business Outcomes

- 30% reduction in fuel consumption
- Reduced overtime by 15%
- Less noise pollution and lower carbon emissions



*"We needed to manage data from up to 100,000 vehicles about driving speeds on 3.5 million road segments at all times of day - this was a huge data challenge, and one that was likely to increase.... **Informix came out above all other leading solutions for its performance, scalability and reliability.**"*

~ Jon Tasker - Project Manager, Trafficmaster

Smarter Entertainment



Impire AG uses intelligent, real-time sports event information for new business opportunities



What's smart?

- Real-time sports updates and event statistics analysis
- Integration and analysis of historical and current sports event data for new game insights

Smarter Business Outcomes

- Sports event play information available faster than live broadcasts
- Doubled productivity, increased revenues and grew market share



*“As a high availability data server that delivers real-time data streaming, **IBM Informix enables us to replicate data instantaneously across multiple servers** and meets our requirements for live broadcasting of sports replays and analyses.”*

– IT Manager, IMPIRE AG

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Why Informix?

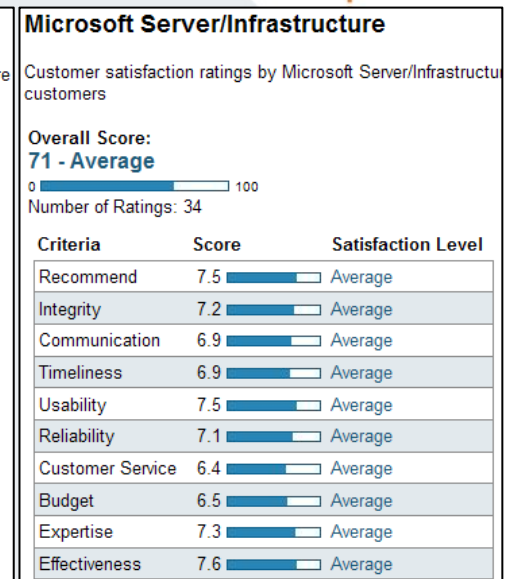
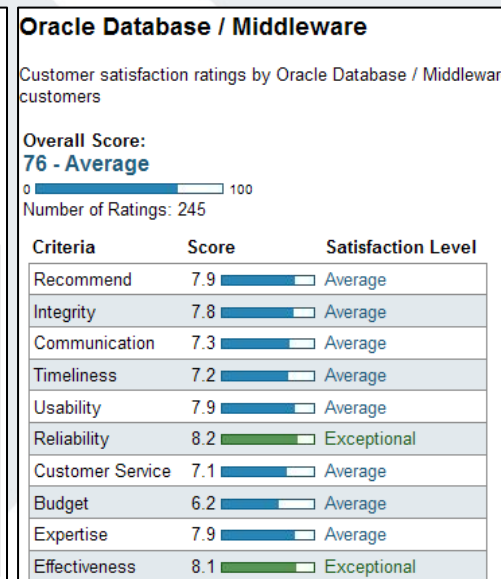


- 10) Top OLTP Performance
- 9) Continuous Availability
- 8) Near-zero administration
- 7) Easy to embed
- 6) Warehouse capabilities
- 5) Vertical and horizontal scalability
- 4) Lowest cost of ownership
- 3) Diverse packaging and pricing for small to large businesses
- 2) Lots of partners and still growing

And the number 1 reason to choose Informix....



Informix – # 1 in Customer Satisfaction among database software vendors in 2008 & 2009



Note: Ratings as posted on VendorRate Website on 3/12/10

New survey available - <http://www.oninit.com/survey>



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What We Do For You Partnerships

IBM Informix - Continuous Availability White Paper

What is this paper about?

IBM® Informix® is the database software voted #1 in customer satisfaction. Clients choose Informix because it is reliable, low cost, and hassle free. Solution providers choose Informix for its best-of-breed embeddability. Yet, there are some people that still don't 'get' Informix, or realize the many benefits of deploying it:

- Informix is exceptionally hardware efficient, which means that (in the REAL world) you need to spend MUCH less on hardware to get the same performance as other products.
- Informix is exceptionally reliable, which means that (in the REAL world) you don't need to pay lots of people to make sure it stays 'up'.
- Informix is exceptionally scalable, which means that (in the REAL world) it can be idling one moment and then processing thousands of transactions the next with no apparent stress.

Oninit is gathering data about what happens in the REAL world to support these assertions with empirical evidence. in the REAL world.

The data collected will be used to compile a report that will be made available to every CTO, IT Director and IT Manager. Along with this, they will receive a list of all the major application vendors that are now porting their applications to Informix V11.5 and a document outlining the key reasons to choose Informix.

Thank you



Customer Comments:

"Always stable; great performance"

"INFORMIX JUST WORKS BY ITSELF!!!"

"Exceptionally robust, fast, maintenance free database"

"Informix database products are robust, simple to maintain, and efficient."

"Blazing fast, Never breaks"

"Ease of use, performance, reliability"

"Informix just works. It almost needs no daily administration"