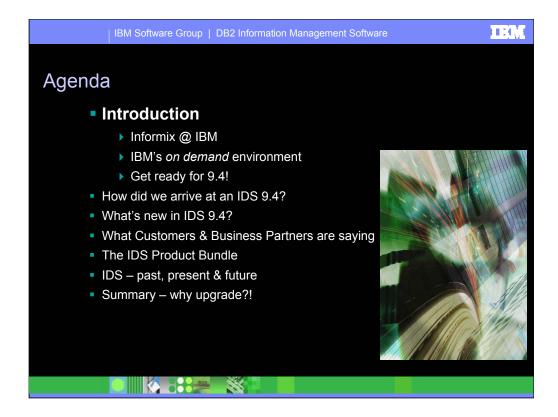
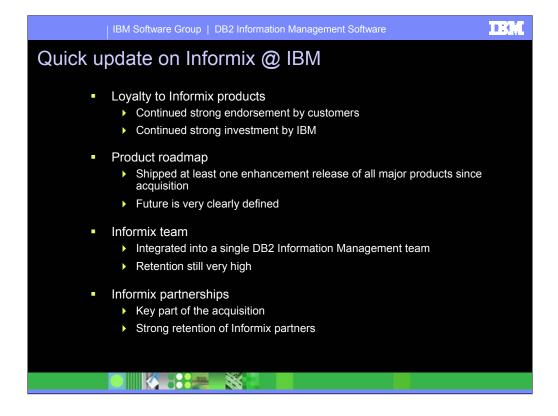


Insert your name and title!!!



Agenda slide -discuss what you're about to move into in the next section...

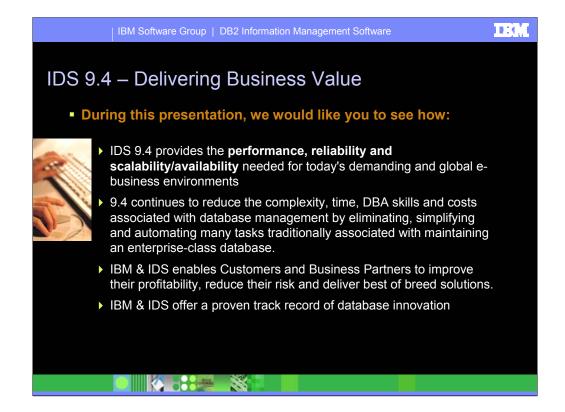


Xower τηις <u>when not</u> πresenting IΔΣ πitch after Informitξ \cong IBM πitch

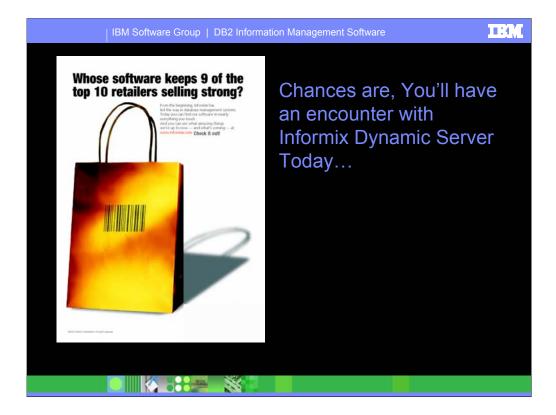
Το ηιδε α σλιδε, γο το τηε \Box σλιδε σορτερ \Box σιεω, ριγητ χλιχκ τηε σλιδε ανδ χηοοσε \Box ηιδε \Box ιτ ωιλλ ινδιχατε ιτ βψ χροσσινγ ουτ τηε σλιδε νυμβερ \Box .



Optional slide - cover the high-level marketing ideas on this one



High level business value of IDS 9.4



Fun slide – leave in, but feel free to gloss over if there is nothing interesting to say...

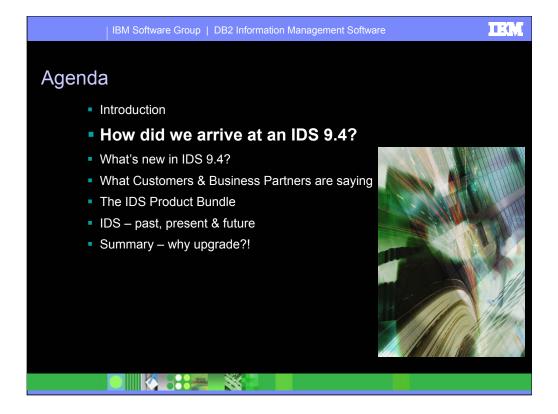
Whether at your favorite retailer, making an airline reservation, or online, chances are you'll have an encounter with Informix Dynamic Server today. Thousands of business rely on the performance, reliability and scalability of IDS to run their enterprise.

For over 15 years, businesses that demand high-performance, reliable data management systems have put their trust in Informix Dynamic Server, known as IDS.

Now IBM introduces IDS 9.40, the fastest, most scalable Informix objectrelational database ever.



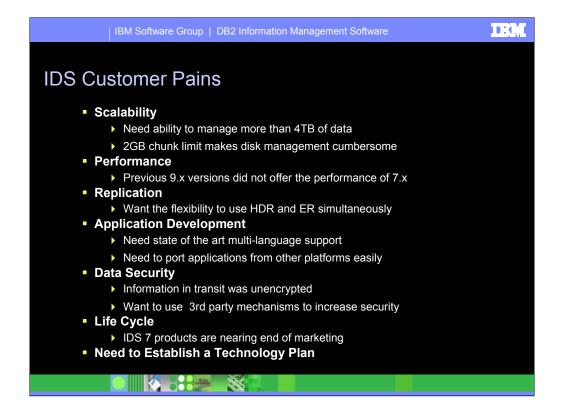
This is a 'tease' slide, that you can start to introduce the customer benefits of IDS 9.4...



Agenda slide – review key points from the last section, discuss what you're about to move into in the next section...



these are the 3 pains customers are trying to solve



These ar ethe issues that have been felt by IDS customers since IDS 7. This sets up what we have addressed with IDS 9.40

Agenda

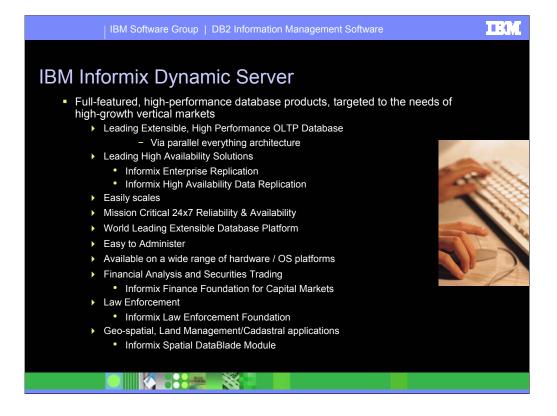
- Introduction
- How did we arrive at an IDS 9.4?

What's new in IDS 9.4?

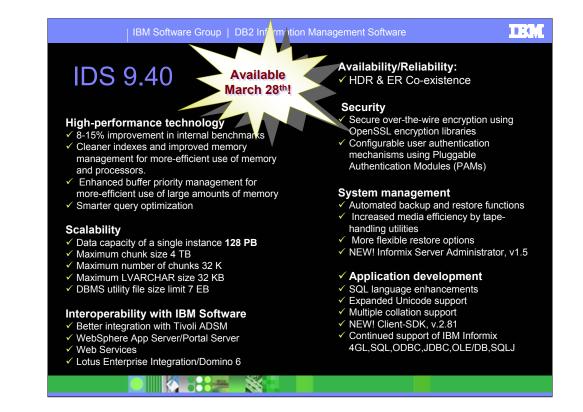
- Back to basics performance, reliability, scalability
- What Customers & Business Partners are saying
- The IDS Product Bundle
- IDS past, present & future
- Summary why upgrade?!



Agenda slide – review key points from the last section, discuss what you're about to move into in the next section...



This is a slide that is overview, some technical detail. Pull this slide if using the detailed charts from the appendix...



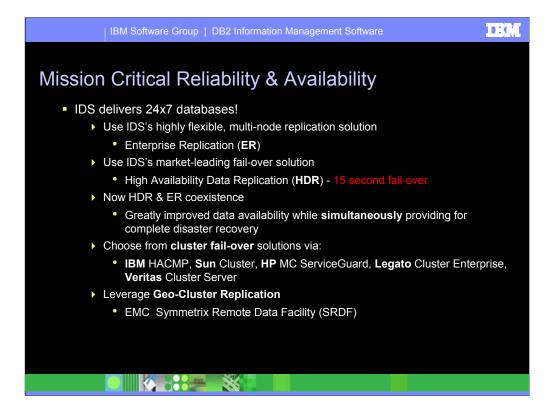
This is a GREAT DEAL of information on one chart – use this slide OR use the ones from the appendix that drill down in more detail...

High performance technology

- •Faster than IDS 7.x
- Unlimited scalability
 - Create and manage HUGE instances
- •New availability features
 - •Expand best-in-class features
- New restoration features
 - •Better protection and new features
- •More!!!

High-performance technology

8-15% improvement in internal benchmarks



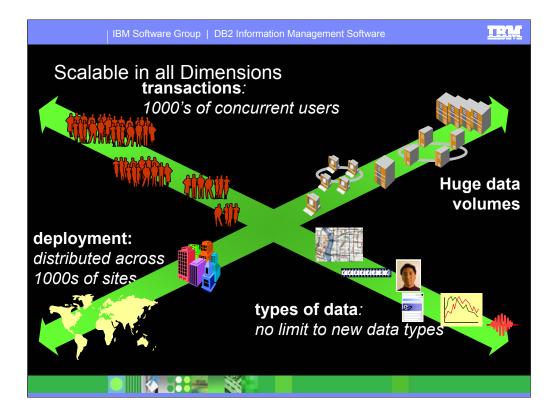
This is a slide that is overview, some technical detail. Pull this slide if using the detailed charts from the appendix...

No matter what requirement, IDS & Informix Partners provide an availability solution that works for you.

IDS's Enterprise Replication allows customers to locate data where it needs to be. Entire databases or subsets of data can be distributed anywhere to deliver data for fast reporting without impacting critical OLTP operations. ER supports a complex topology based on a tree architecture. It does not require a direct connection between the source of replication and the target during replication.

IDS's unique HDR solution has been in the field for years as part of IDS 7 & 9. It's a proven HA solution ideal for requirements for near-zero downtime! HDR is in use today around the globe at major customers.

Oracle 9i claims to have a copy-cat solution called Oracle 9i Data Guard. This is brand new technology, which copies Informix, but doesn't have the years of field proven hardening.

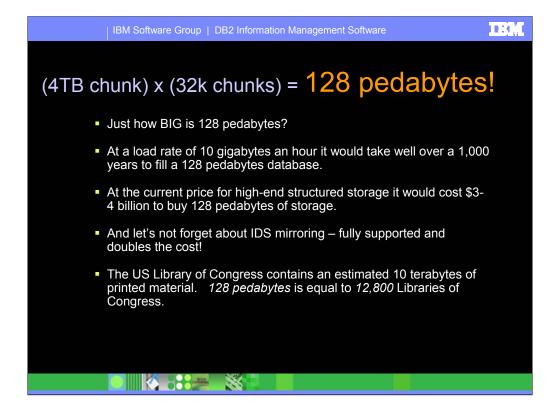


IDS scales to handle most OLTP applications. IDS is a "no-limits "database that can handle the most demanding application requirements. IDS 9.40 can handle up to 128 pedabytes of data. At current prices, 128 pedabytes of disk storage would cost approximately 3 billion dollars. At a load rate of 1TB per hour, it would take 15 years to load 128 pedabytes.

Scalability

- ✓Maximum chunk size 4 TB
- ✓Maximum number of chunks 32 K
- ✓ Data capacity of a single instance 128 PB
- ✓ Maximum LVARCHAR size 32 KB

✓ DBMS utility file size limits -- 7 EB (7 trillion MBs) for some, 4 TB for others



I think this slide speaks well enough for itself.

With the increase in hardware processing power and inherent advantages of a multi-threaded architecture plus the ability to create and store large amounts of data, there are no scalability limits to the IDS. There is no other product on the market that can match this either.

Scalability

✓ Maximum chunk size 4 TB

✓Maximum number of chunks 32 K

✓ Data capacity of a single instance 128 PB

✓ Maximum LVARCHAR size 32 KB

✓DBMS utility file size limits -- 7 EB (7 trillion MBs) for some, 4 TB for others

Agenda

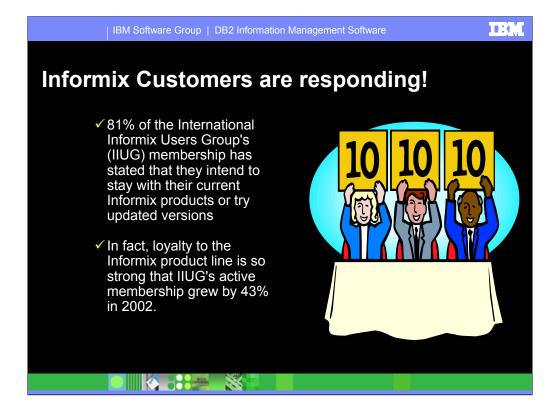
- Introduction
- How did we arrive at an IDS 9.4?
- What's new in IDS 9.4?

What Customers & Business Partners are saying

- The IDS Product Bundle
- IDS past, present & future
- Summary why upgrade?!

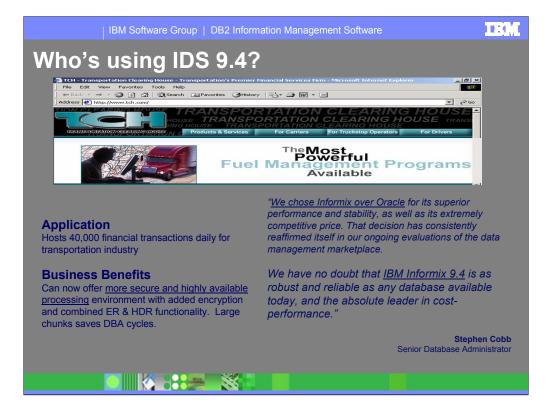


Agenda slide – review key points from the last section, discuss what you're about to move into in the next section...



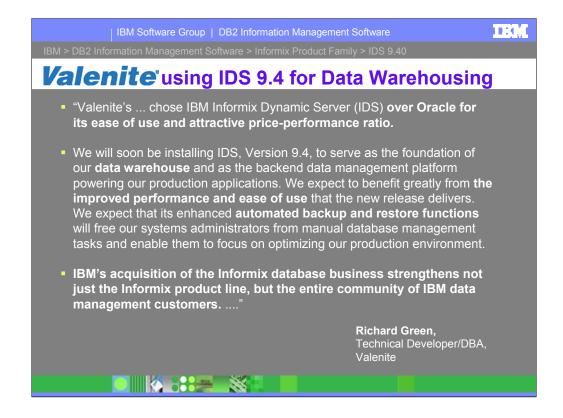
Survey from the IIUG

IIUG section will cover this in more detail...

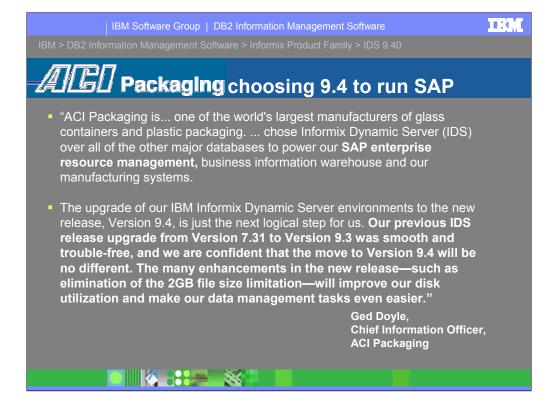


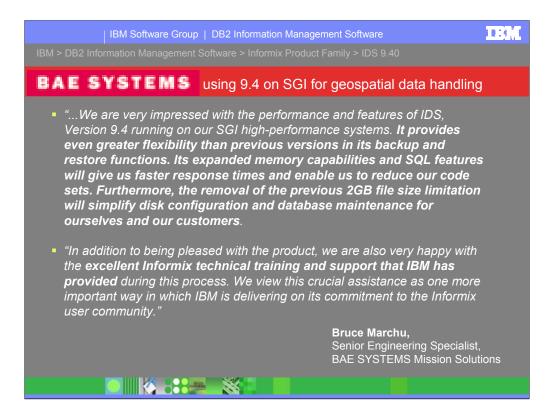
This is our strongest IDS 9.4 Beta reference, and is the .pdf success story/case study on the IDS launch site.

You can find the full TCH story on the site at www.ibm.com/informix/ids94

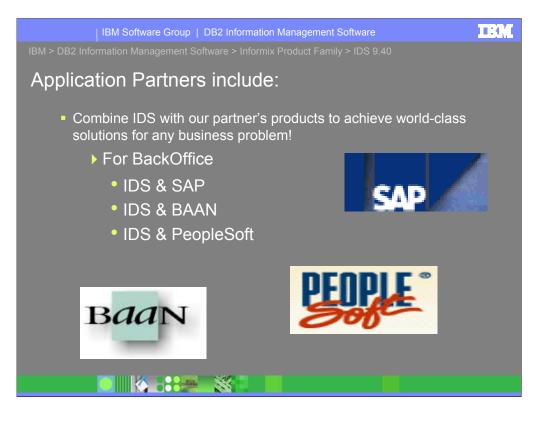


Valenite – makes a strong IBM statement, re-affirming IBM commitment to Informix...



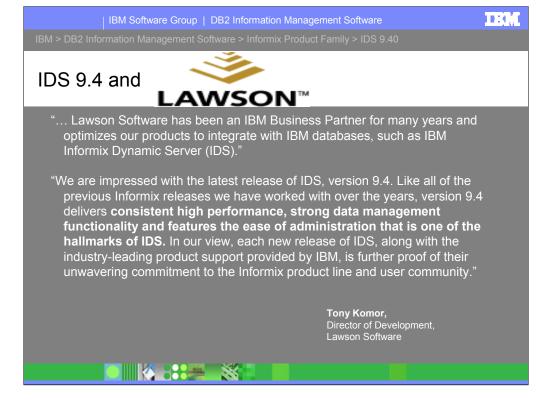


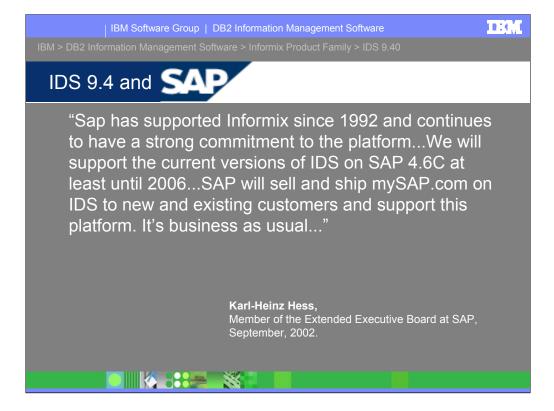
Additional Beta customer references... BAE is a customer of SGI, another Beta participant



That's just a small part of the IDS partner story

IDS & [... hundreds of partners ...]





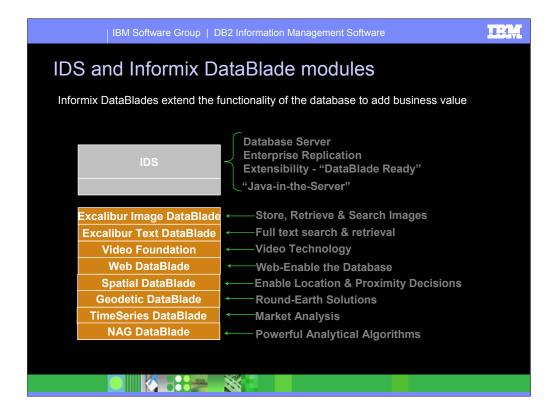
Agenda

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Agenda slide – review key points from the last section, discuss what you're about to move into in the next section...



Hide this slide if you don't want to or aren't able to go into details on DataBlades....

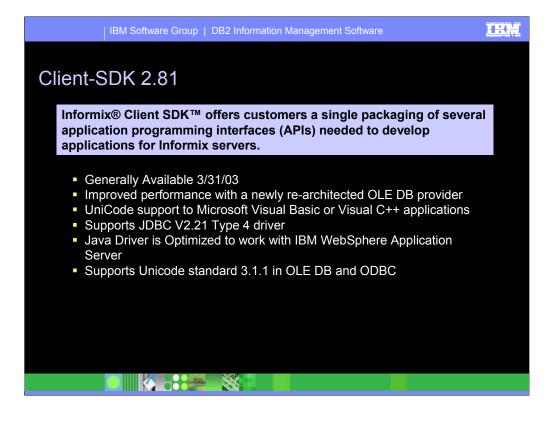
IBM Informix DataBlade modules deliver real business value quickly. IBM offers DataBlades to help manage Image, Video and Text data as well as build applications that allow business to make key decisions based on location and proximity (such as where to locate a new retail outlet or where certain services are located).

IBM's unique Geodetic datablade treats the earth as a sphere rather than a flat object for scientific and other applications that demand precise spatial information.

TimeSeries, TimeSeries Real-time Loader and NAG datablades provide the functionality to perform real-time market analysis. Up to 100,000 records can be loaded with as little as .1 second latency.

IBM Software Group E	DB2 Information Management Software	IEM	
IDS and Informix T	ools		
Informix Tools simplify application development to add real business value			
IDS	Database Server Enterprise Replication Extensibility - "DataBlade Ready" "Java-in-the-Server"		
Office Connect	←—Reporting & Analysis Tool		
4GL	RAD Development		
DataBlade Developer's Kit	Create custom DataBlades		
Client SDK	Connect from any language		
Enterprise Gateway Manager	Connect to other data sources		
Informix Object Translator	←——Object-Relational Mapping		

With IBM offers tools which speed development time and allow IDS to connect to any language, any database to deliver real business value.



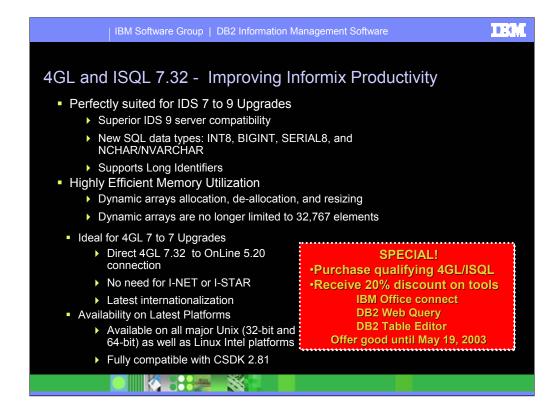
The Client-SDK Allows developers to write applications in the language they are familiar with, whether it be Java[™], C++, C, or ESQL Provides the customer with more choice of programming environments and promotes easier development of applications for Informix servers : A high performance OLE DB provider brings solid data access improvement and unicode support to Microsoft Visual Basic or Visual C++ applications that require data access in a variety of locations and formats

• A unicode-enabled, industry-standard compliant ODBC driver enables developers to dynamically access a broad range of Informix database servers including IDS, XPS, Online and Standard Engine

A more robust and feature rich ESQL/C module adds flexibility and reliability for Online Extended customers with ESQL/C application development needs and benefits Informix 4GL customers who write applications connecting to IDS servers.

ODBC/ OLE DB will support .NET applications to access IDS server via Visual Studio .NET bridge for ODBC/OLEDB.

IBM Informix JDBC driver 2.21 and embedded SQL/J require JVM compatibility with SunSoft's JDK 1.2 (or higher) which is compliant with JDBC 2.0 specifications.



4GL and ISQL 7.32 – Features, Benefits, and Value

Best Suited for IBM Informix Dynamic Server (IDS) 7 to 9 Upgrades

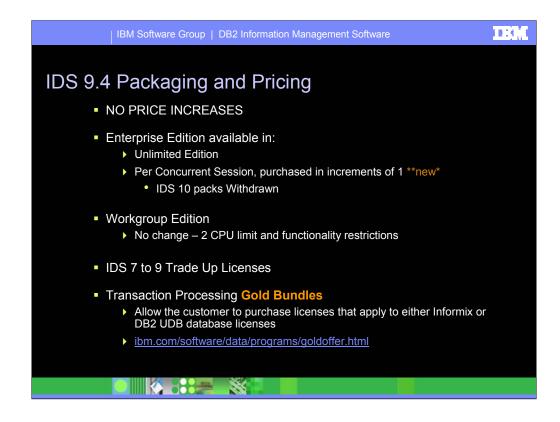
4GL 7.32 will allow users currently on IDS 7.x databases to take full advantage of the latest function-rich IDS 9.4 server release. 4GL 7.32 offers superior IDS 9 server compatibility with features that support new SQL data types INT8, BIGINT, SERIAL8, and NCHAR/NVARCHAR. This release also supports the important IDS 9 Long ID feature that allows handling of identifier names up to 128 characters in length.

Highly Efficient Memory Utilization

With the new Dynamic Arrays 4GL 7.32 feature, customers can allocate just the amount of memory needed for their arrays, rather than having to preallocate enough space for the worst-case scenarios (and then still run out of space). Using simple 4GL 7.32 language statements, programmers can dynamically allocate the amount of space actually needed, and then release that space when it is no longer needed. Programmers can also resize dynamic arrays. Also, dynamic arrays are not limited to 32,767 elements as statically allocated arrays are.

Ideal for 4GL 4 to 7 Upgrades

Customers can now upgrade their legacy Informix 4GL 4.x applications to Informix 4GL 7.32 and take advantage of many of the new 4GL features



Significant points:

Customers can buy in increments of one

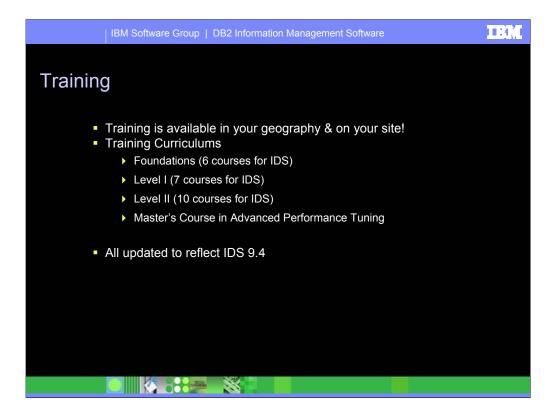
GOLD BUNDLES - be able to discuss and position these

	IBM Software Group DB2 Information Management Software		
IDS 9.4	Platforms		
	Platform	OS Build/Certifications	
	HP 32-bit PA-RISC	 HP-UX 11.0, 11i 	
	HP 64-bit PA-RISC	 HP-UX 11.0, 11i 	
	 Sun 32-Bit 	 Solaris 6,7,8,9 	
	 Sun 64-Bit 	 Solaris 7,8,9 	
	 IBM 32-Bit 	 AIX5L version 5.1, 5.2 	
	 IBM 64-Bit 	 AIX5L version 5.1, 5.2 	
	Windows 32-Bit	 NT, 2000, 2003 Server , XP 	
	Windows 64-Bit	 2003 Server 	
	Linux zSeries		
	Linux Intel	 Linux Kernel 2.4.x, glibc 2.2.x, and Redhat, SuSE, SCO Unixware+LKP 7.1.3 	
	Compaq DEC	 Tru64 V5.1, 5.2a 	
	 SGI 32-bit 	 IRIX 6.5x 	

Other platforms are planned for later release (SGI 64-bit, Itanium II)

Consulting Expertise from IBM Software Services for Data Management

- Offers customers deep technical skills and support required to take a project from its conception, through planning and development, to testing, implementation, and beyond.
 - Database Fast Start Program
 - Database Design Review
 - Special Programs for SAP, PeopleSoft, & BAAN
 - Migration Planning & Support
 - From competitor's products to IDS
 - From Online 5 to IDS
 - IDS Upgrades
 - System Health Checks
 - Enterprise Replication Requirements & Deployment
 - Custom Programs to fit your needs!
- For more information see <u>ibm.com/software/data/services</u>
 - or email : dmskills@us.ibm.com.



•The above courses include development courses that apply to IDS such as 4GL development.

•CBT also offers distance training courses. However, these courses have not been updated for IDS 9.

•Informix is committed to providing the best training and doing it at your convenience! Not ours.



PROGRAM OBJECTIVES

• Provide technical resources and information that promote the unique benefits of Informix technology to the

- developer/user/customer community.
- Encourage the development and porting of Informix products.
- Promote the ease of use of Informix products.
- Foster a sense of a developer community.
- Communicate with our developers on a regular basis.
- Provide the most up-to-date technical content.
- Technically represent Informix Software to the developer community.
- Encourage and promote a consortium with the IIUG and to provide a feedback loop to Informix from our user community.

• Focus on aiding people who use Informix products and/or services in any way possible. If the IDN doesn't have it, we'll point you to it.



Note dwLive! Technical conference – encourage customers/partners to visit the web site!

Take this slide out after 4/1!!!!

Also - There is a special conference registration code for residents of the Latin American Geo.

On the conference registration page www.ibm.com/events/ibmdeveloperworkslive when there's a place for the registration code, key in LAD1 and the fee charged will be \$795.....\$500 off the early bird price which expires 3/16 and \$900 off the full conf registration price.

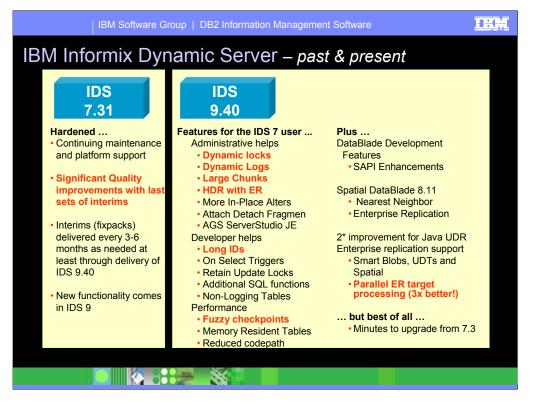
This is only for full time residents of

Agenda

- Introduction
- How did we arrive at an IDS 9.4?
- What's new in IDS 9.4?
- What Customers & Business Partners are saying
- The IDS Product Bundle
- IDS past, present & future
 - IDS 7; IDS 9.next
- Summary why upgrade?!



Agenda slide – review key points from the last section, discuss what you're about to move into in the next section...



Cover this when not presenting IDS pitch after Informity \cong IBM pitch

ΙΒΜ σ Ινφορμιξ Δψναμιχ Σερσερ (ΙΔΣ) ισ α βεστ-οφ-βρεεδ, γενεραλ πυρποσε, μισσιον-χριτιχαλ ΟΛΤΠ δαταβασε φορ τηε εντερπρισε ανδ τηε ωορκγρουπ. Φορ μορε ινφορματιον ον ΙΔΣ, σεε

http://www-3.ibm.com/software/data/informix/ids/.

<u>‡(- ®</u>

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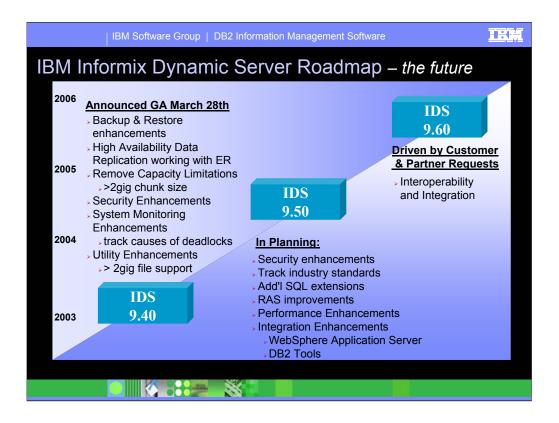
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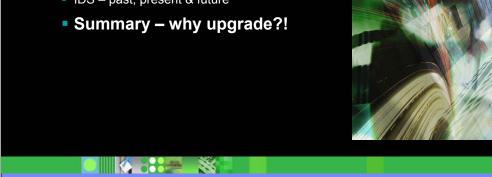


Cover this when not presenting IDS pitch after Informite \cong IBM pitch

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Agenda

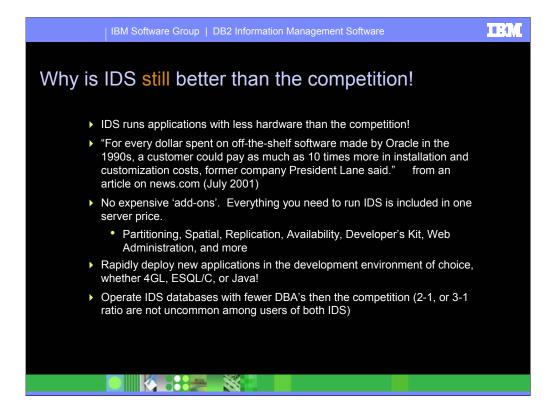
- Introduction
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- The IDS Product Bundle
- IDS past, present & future



Agenda slide – review key points from the last section, discuss what you're about to move into in the next section...

Ideas: "Thank you, I'd like to wrap up our discussion on IDS 9.4 with some key points... "

HEN



(Optional slide)— if you would like to cover competitive... this is an overview, more detail in the appendix...

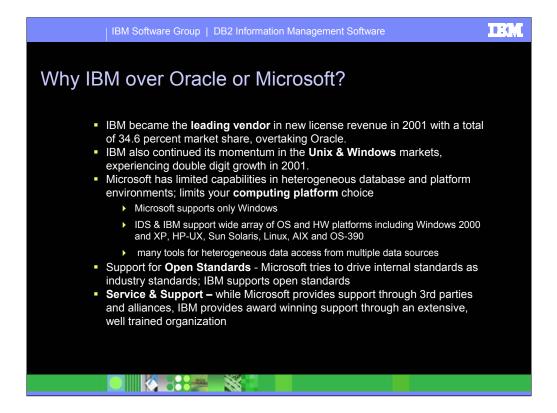
Time and time again, when real world benchmarks of IDS are done against the competition, IDS comes out on top.

If necessary, offer to benchmark IDS against the competition using the customer's application. Informix has won many accounts this way and will continue to do so.

Oracle is the king of unbundling key functionality and making the customer pay through the nose to get what we provide as standard features of our database.

URL to article on news.com http://news.cnet.com/news/0-1007-201-6375299-2.html

Informix supports all of the most common development methodologies & environments. Whether the customer wants to use traditional client server using 4GL or our ESQL/C or they want to take the leap into EJB application servers, Informix is there for you.



(Optional slide)– if you would like to cover competitive... this is an overview, more detail in the appendix...

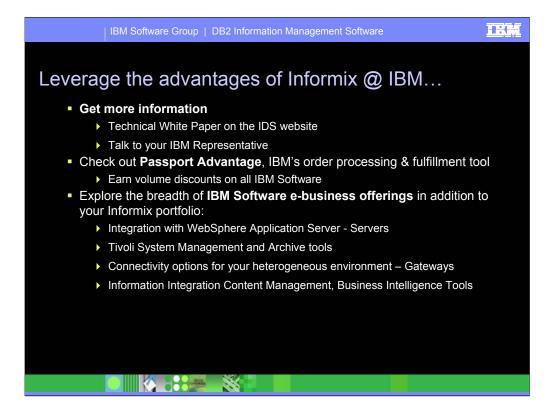
•IBM's Information Management Software is the leader among database vendors in the world today

•Informix was early to the Unix market, and with its acquisition IBM gains further powerful insight and knowledge into the distributed database environment, augmenting our other Distributed platform database products, like DB2 UDB

•Microsoft may support "any" platform – as long as it's Windows! (sarcastic)

•IBM is truly committed to open standards – with more developers working with Java than even Sun!

•Informix Customers have come to expect the highest levels of support – so have IBM customers, and these two organizations continue to drive customer satisfaction that is the highest in the industry!



•You have lots of advantages as an IBM customer,

•Leverage the IBM software solutions to augment your Informix technology investment –

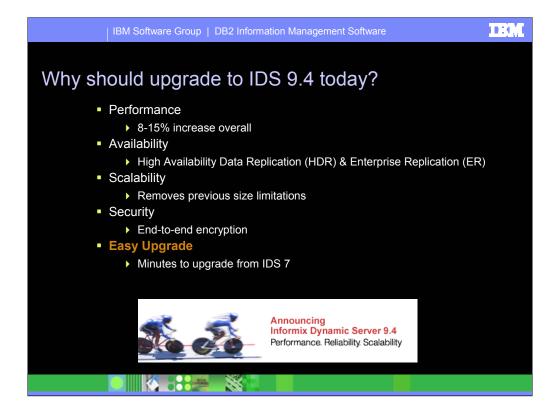
•Application Servers and MQ messaging from WebSphere

Systems Management from Tivoli

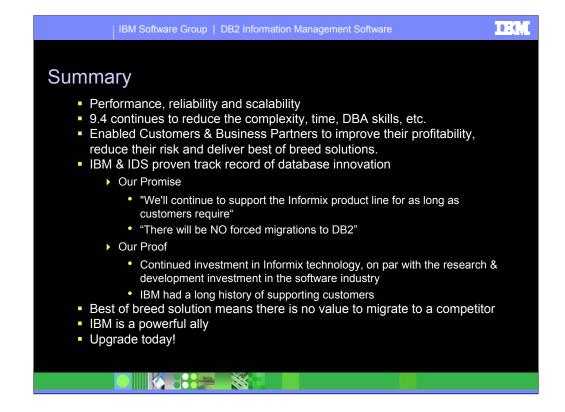
•Collaborative solutions from Lotus

•It's all part of the IBM's Software Solutions, and Passport Advantage, allows you to leverage discounts across all these products and increase the value you get out of IBM.

•please look into them by contacting your local IBM representative today!



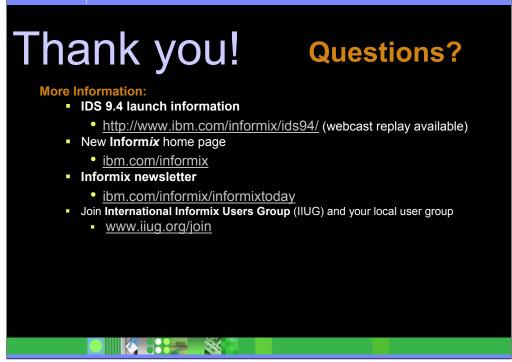
This is a good summary, and part of the final wrap-up



As [(EXEC INTRO SPEAKER) Lauren or Don Top or Janet] said at the beginning of our web cast, I hope that we have demonstrated how IDS 9.4 continues to deliver business value that you as our customers have come to depend on IDS for.

Relates back to slide # 5, closes on that introduction as a summary...

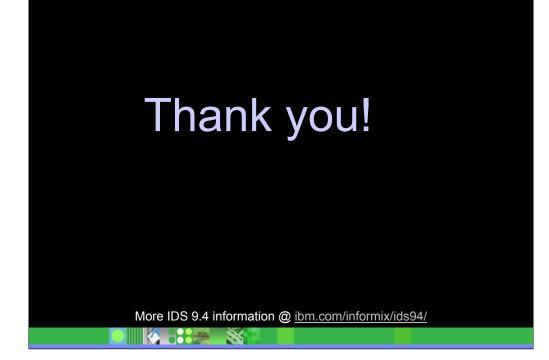
We could speak to the rest of these, depending on time, I believe that the slide is self-explanatory!



STOP HERE

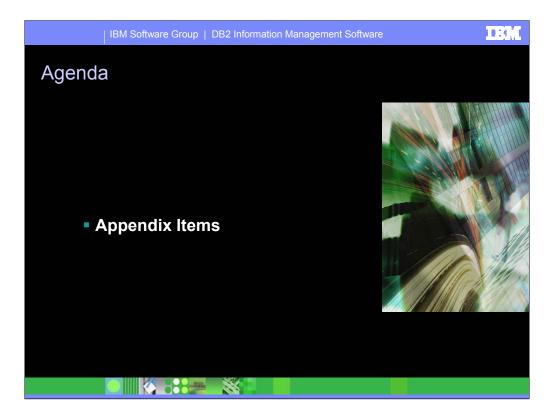
END OF PRESENTATION





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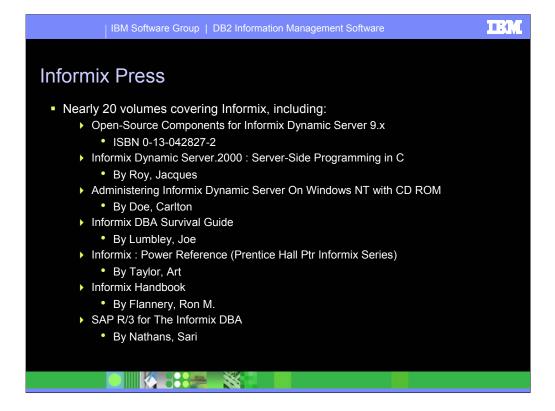
After this page are optional slides that you may choose to add...

IBM Software Gro	up DB2 Information Management Software
Informix - SWG Pr	oducts 2002 Interoperability
 IBM Informix Dynamic products in 2002 	Server (IDS) was certified with key SWG
	WebSphere software
IDS 9.3	Websphere Application Server, V4.0
IDS 9.3, 9.4	Websphere Application Server, V5.0
IDS 9.3	Websphere Portal Server, V5.0
IDS 9.3	Websphere Studio Application Developer, V4.0 Web Services Object Runtime Framework (WORF) V3.5
	Tivoli. software
IDS 7.31, 9.21, 9.3	Tivoli Monitoring for Databases, V5.1.0
IDS 7.31, 9.21, 9.3	Tivoli Data Protection for Informix
	Loius software
IDS	Lotus Enterprise Integration (LEI) 6 / Domino 6

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IDS is truly a whole product. When combined with our leading support and consulting and our partners, there is not a business problem we cannot solve.



Learning about Informix is not limited to training seminars. The Informix Press provides a complete range of books covering every area of interest.

IDS vs Oracle: TCO

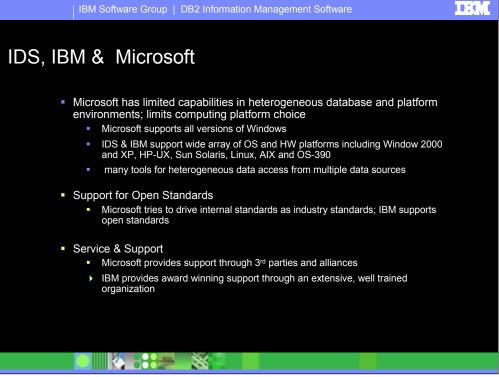
You need these components from Oracle to get the functionality of IDS:

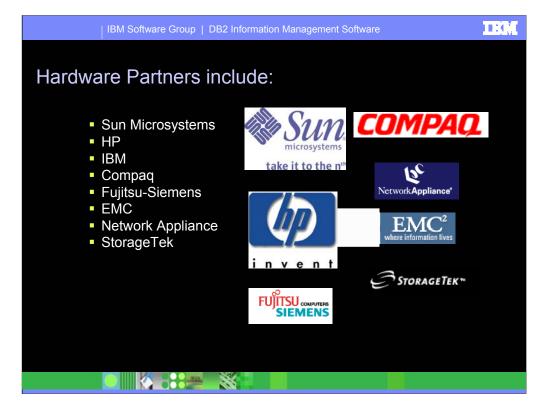
Oracle 9i EE	IBM IDS EE
\$32,000	\$48,438
\$ 5,600	included
\$ 4,480	included
\$42,080	\$48,438
\$15,000	included
\$7,500	included
\$7,500	included
\$2,250	included
\$2,250	included
\$14,940	included
\$10,010	included
\$91,450	\$48,438
3	
	\$32,000 \$5,600 \$4,480 \$42,080 \$15,000 \$7,500 \$7,500 \$2,250 \$2,250 \$14,940 \$10,010

	Microsoft SQL Server 2000 EE	Informix Dynamic Server WE
Initial License cost (2 processors/50 Users)	\$30,196	\$31,400.00
Upgrade Cost	\$5,000	\$0.00
Support Cost	\$1,950	\$0.00
Incident Costs for Online Support	\$99/PER INCIDENT	
Incident Costs for Phone Support	\$245/PER INCIDENT	
Total	\$37,146	\$31,400
Second Year Cost		
Upgrade Cost	\$5,000	\$0.00
Support Cost	\$1,950	\$0.00
Total	\$6,950	\$0.00
Total Cost over 2 years	\$44.096	\$31,400

When you consider the cost of Microsoft support which only covers defects, we can save customers money over SQL Server with IDS workgroup edition.

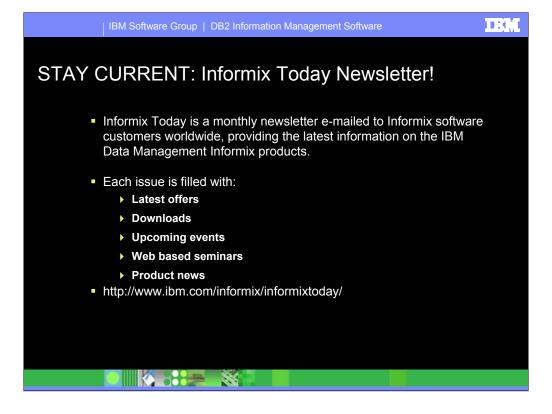
If customers require some EE features, remember the special bid process that Patricia mentioned as a way of beating Microsoft on price.





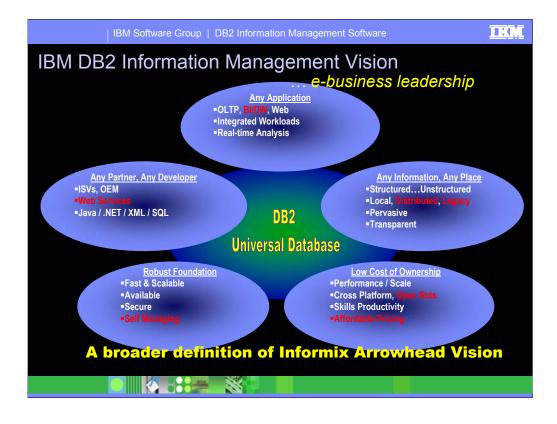
For more information

- IDS 9.4 launch page
 - http://www.ibm.com/informix/ids94/
- IDS 9.4 Product Page
 - http://www.ibm.com/informix/ids/
- IDS 9.40 Spec Sheet, White Paper
- Official Product Announcement
- Customer (3/25) and Business Partner (3/18) Web casts
- Worldwide InfoBahn and IDS/Data Management Events
- IIUG Information
- Informix Developer Community Links
- Complementary Product Information Links
- Downloads, Offerings, Promotions and latest news
- How to get support, get educated, buy, get certified, get more information



Innovation & Technology Leadership Standards & Openness

- Patents: IBM holds more than 1000 data management technology patents. In 2001 alone, 132 patents were issued to IBM for data management technologies. IBM's 524 Software patents surpassed the combined total of patents awarded to its four closest competitors in the IT Software industry Oracle, BEA, Microsoft and Computer Associates. Oracle, for instance had 67 patents in 2001, half the number of IBM's Data Management Solutions business. (In 2000, the patent score was IBM 300 vs. Oracle 70) BEA had three patents.
- Linux -- IBM was the first database to support Linux. Today, DB2 delivers the broadest for Linux from the handheld to the mainframe to clusters of mainframes. According to IDC, IBM is the worldwide market share leader on the Linux platform.
- Standards: IBM has more contributions to SQL standards than all database vendors combined. In 1999, IBM contributed 57 percent of all SQL-standards-body submissions.
- Open Standards: DB2 was the first database to support standards-based Web Services including XML, UDDI and SOAP. Oracle does not support SOAP and UDDI.

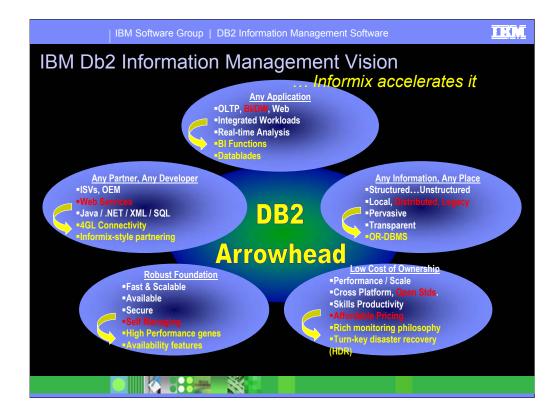


At this point, I'd like to spend a few slides on the future, however.

About a year prior to the acquisition, Informix had already decided that it would be impossible to continue the high level of investment on 3 core database products in parallel forever. We had already set upon a course to bring the best of these three databases: IDS, XPS and Red Brick, into a single product which we called Arrowhead. We were 8 months into this project when our world changed in April 2001. With the announcement of IBM's intent to acquire the Informix database business came the need to reconcile this project with the other priorities of IBM's Data Management division.

Soon after we had our senior developers and architects sitting across the table from each other talking about where the market was going and what the next generation database needed to offer. Lo and behold, we discovered that we had arrived at the same conclusions. We'd spoken to the same types of customers and determined that what was needed was more of the same robust foundation, but continuing to support a broad range of partners and developers, a more dynamically changing and combined workload, accessing more types of information from more places and all with cost and management characteristics that would let them compete.

Both the Informix Arrowhead team and IBM's DB2 team were striving to



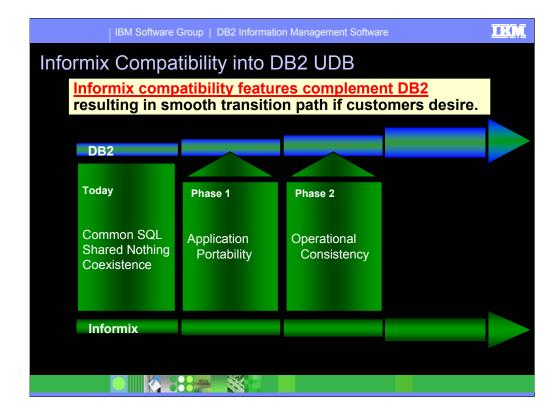
Informix brings a decade of technology leadership in parallel database processing from the pioneering work done as a joint venture with Sequent computers (another IBM acquisition, by the way). This bring a ton of experience with high performance and high availability.

4GL connectivity opens up another important avenue for application development as does the Informix style of partnering with SMB channel businesses.

BI capabilities in Red Brick and Datablade specialties from IDS create support for an even broader range of application capability.

The core OR-DBMS essentials like R-Tree indexing and Timeseries storage open up new ways of storing and retrieving at very high-speed data that goes far beyond the traditional numbers and strings that past databases have worked on.

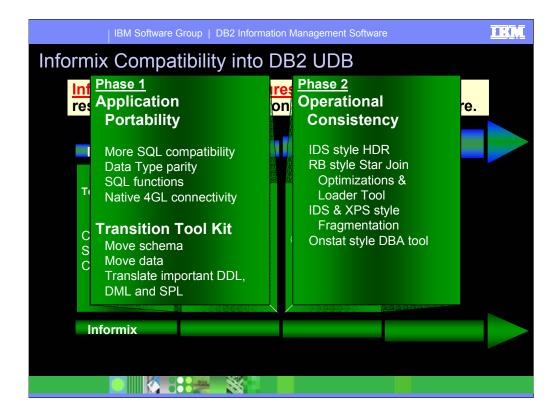
Finally, the rich monitoring capabilities enjoyed by the Informix DBA as well as the downright easy HDR configuration combine to offer a low cost management and availability environment that is essential as typical IT infrastructure grow more complex and costly to administer.



Obviously, an Informix user today is interested in what the transition from today's products to the next generation will look like.

First of all, realize that this is a multi-year effort. Each new release of DB2 will contain more of this vision realized. There is no need to move quickly, however as you recall, the longterm development roadmaps for the continuing Informix product lines stretch well into the future. Also realize that we aren't starting from scratch. There is already a lot in common between Informix databases and DB2 – SQL is a standard embraced by both, shared nothing scaling is common to DB2 and XPS and there already exist gateways and connectors to support those who wish to deploy DB2 and Informix in the same IT shop.

In the first round of work we are focusing on what it takes for application portability. The second will focus on more consistency of operational aspects of the two environments. More details in the next slide



In Phase 1, by application portability, we mean what it takes to port an application that is today connected to Informix over to work on DB2. When a customer upgraded from version 5 to version 7 to version 9 of Informix, he expected that he would require little or no change in his application. We can't promise the same ease of upgrade, but with a combination of features in DB2 and the Transition Tool Kit, we can make this process very smooth and trouble-free.

We will focus on the differences as they are surfaced to the application – the SQL language and the SQL data types, as well as the capability to connect directly with Informix 4GL programs.

The Transition Tool Kit will help move the schema automatically from its Informix dialect to DB2's. The data will be moved as well as translation of SQL and Stored Procedures that will not be natively supported by DB2.

In Phase 2, we'll be including many of those features that have endeared developers and administrators to Informix. HDR-style failover, Red Brick-style Star Schema optimizations and loader, IDS/XPS-style fragmentation (aka partitioning) which is the foundation for their parallelism. DB2 already has failover capabilities, star schema support and data partitioning, however, the informix way of accomplishing these has engendered a tremendous



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This was added due to customer questions/concerns.

New features in IDS 9.x will always be fit in with an eye to the future. Users shouldn't worry that some cool new feature in IDS will never make it into DB2, yet they should be cautioned that some of the sexier ones will take longer to integrate into the overall product line.

We of course want the take away from the Informix @ IBM presentation to be "Oh, so I should stay right where I am until IBM makes it very easy for me to transition onto the latest platform, when most of the Informix stuff is integrated into the DB2 line"!!

