An Introduction to Oracle Business Intelligence (BI) Platform

NYOUG

Sep 21, 2006

Shyam Varan Nath Oracle Corporation



Agenda

- Introduction to Business Intelligence
- Oracle components of BI
- A case study of Integrated BI platform
- Q&A

About me...

- Principal Consultant in Business Intelligence and Warehousing group at Oracle, also called the BI Practice
- Oracle Certified Professional, DBA track, since
 1998 Oracle database version 7.3 onwards
- Worked in industry domains like Finance industry, Telecomm, Healthcare, law enforcement etc.
- Speaker in Oracle Open world (2003), IOUG/Collaborate (2005-06), NYOUG (June), IEEE conferences etc





OVERVIEW

Business Intelligence

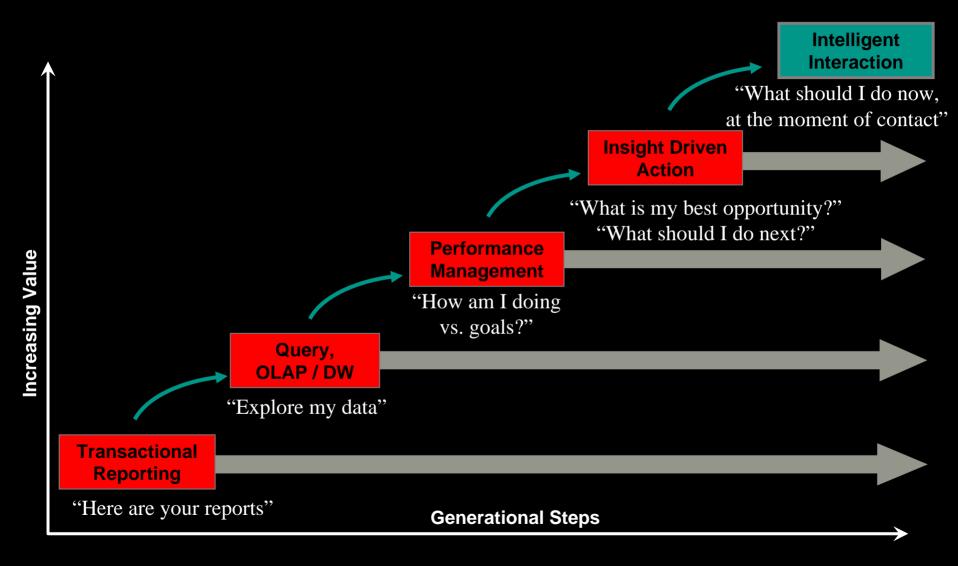
What is Business Intelligence?

- Business intelligence (BI) is a broad category of application programs and technologies for gathering, storing, analyzing, and providing access to data to help enterprise users make better business decisions.
- BI applications include the activities of decision support, query and reporting, online analytical processing (OLAP), statistical analysis, forecasting, and data mining.

...cont. What is BI?

- Normally describes the result of in-depth analysis of detailed business data. Includes database and application technologies, as well as analysis practices.
- Sometimes used synonymously with "decision support," though business intelligence is technically much broader, potentially encompassing knowledge management, enterprise resource planning etc
- In other words BI is the process of gathering information in the field of business. It can be described as the process of enhancing data into information and then into knowledge.
- BI is carried out to gain sustainable competitive advantage, and is a valuable core competence in some instances.

Business Intelligence-Driven Enterprise



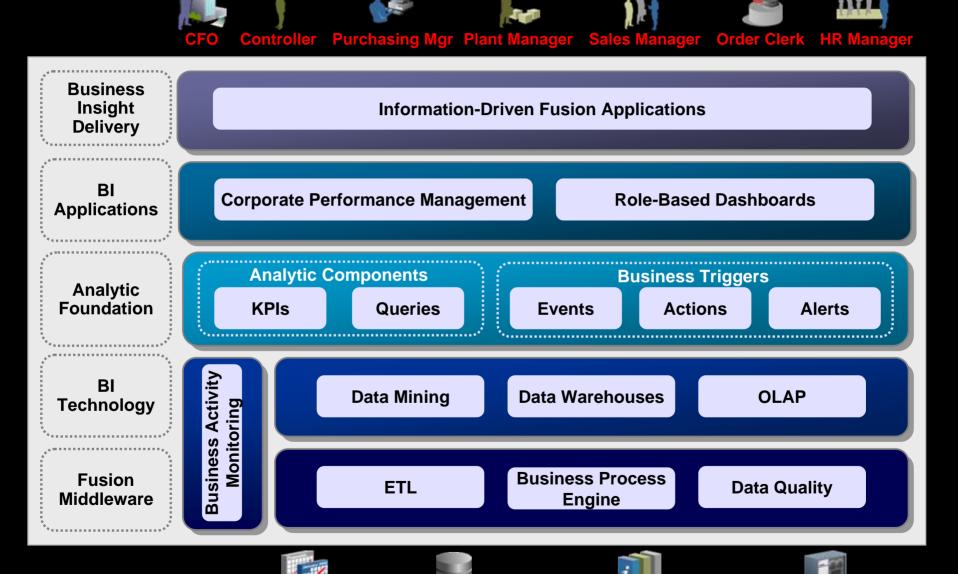
Fusion Objectives

Greater Business Insight

Deep and Adaptive Industry Processes

Superior Ownership Experience

BI on the Fusion landscape



What Is Greater Business Insight?

A level of business insight where every user throughout the organization is guided by relevant, timely, consistent, and accurate information to make the most informed decision at the moment that action should be taken.

Greater Business Insight Challenges

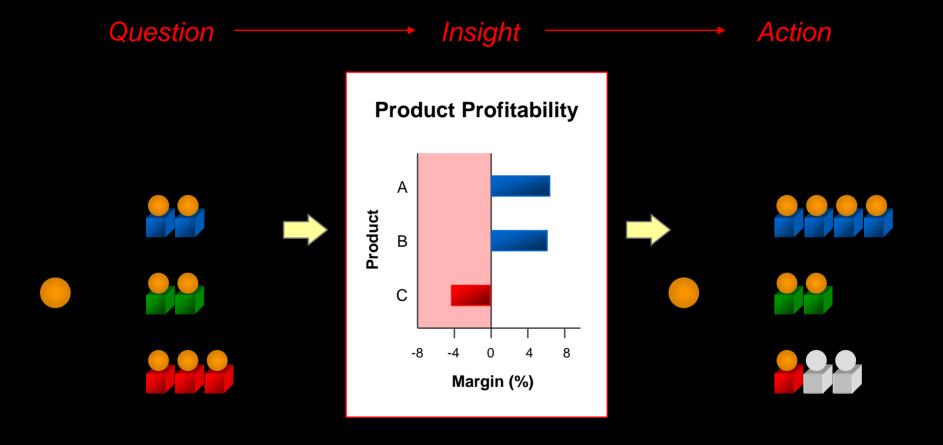
- Information fragmentation no enterprise view
- Inability to incorporate external data
- Latency in decision making process
- Lack of alignment between strategy and operations
- Inability to continually monitor operational performance

Delivering Greater Business Insight

- Aligning Operational Decisions with Strategic Objectives
- Embedding Actionable Intelligence within Transactions
- Creating a Trusted Source of Business Information

Greater Business Insight in Action

Example: Production Management



Oracle's Strategy for Business Insight Applications

Role-Based Dashboards



Applications that enable users to monitor business performance, and drill down on exceptions to diagnose problems and take action

Detect Business Issues and Opportunities

Diagnose Problems

Decide Course of Action















Mfg & Maintenance

Purchasing

Service

Human Resources

Finance

Continually Monitor Performance

Next-Generation Dashboards

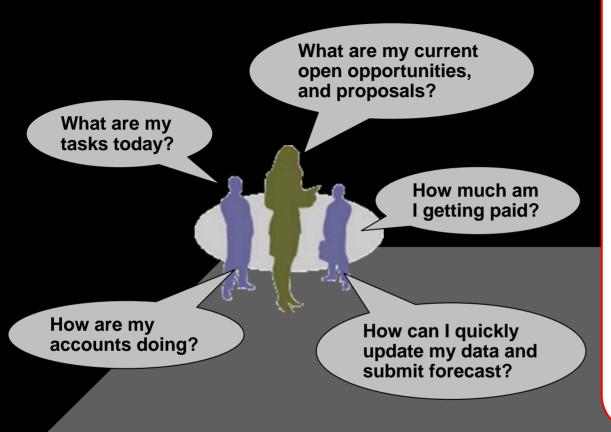
Today

Delivers daily information to management so they can stay informed and develop insight about the performance of their business

Next-Generation

Expands beyond information delivery to prescribe actions that users should take to improve performance

The Information Gap



Sales Rep Pain Points

- X Cannot identify the immediate actions and records to focus on
- X Lengthened and delayed data entry due to cumbersome navigation path
- X No easy way to track progress of leads, opportunities, and proposals
- X Require assistance from IT to generate reports (data security and sensitivity)

Reduced Productivity

Decreased Customer Satisfaction

Diminished Decision Making

Closing the Gap



Provide Dashboards With:

- ✓ Tight integration with transaction applications
- Quick links to overviews of sales actions and daily tasks
- Ability to track progress of leads and opportunities
- ✓ Role-relevant analytics spanning entire sales cycle
- ✓ Easily personalized data views

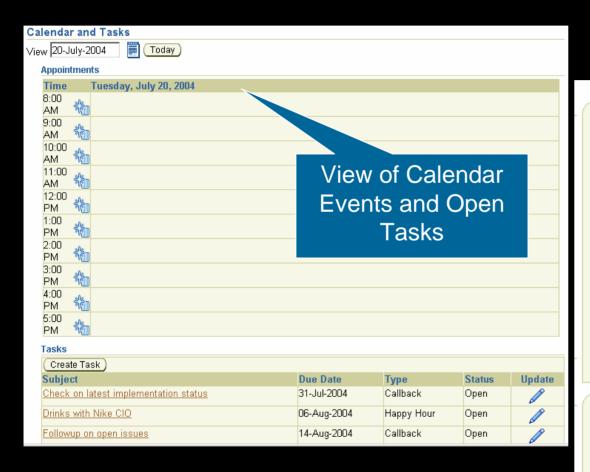
Improved Sales
Effectiveness

Increased Customer Value

Empowered Sales Force

Oracle Sales Dashboard

Quick access to what you need to KNOW and what you need to DO



Quick Links to Critical Sales Actions

Shortcuts

- Calendar
- Customers
- Contacts
- Leads
- Opportunities
- Quotes
- Proposals
- Sales Ca ripaigns
- Forecast
- Reports
- Tasks
- Commission Statement
- Commission Year to Date
 Summary

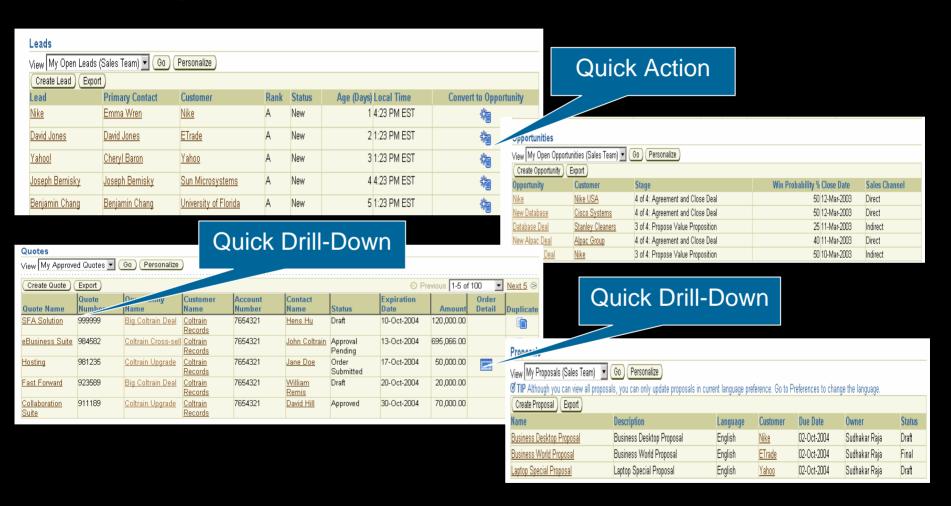
Latest Submitted Forecast

Last Submitted 12-Mar-04 19:42:25

- Best Case: 125,000.00
- Forecast: 120,000.00
- Worst Case: 15,000.00

Oracle Sales Dashboard

Tracking and drill-down into transactional details



Oracle Sales Dashboard

High Tech

Annual California California della

Business World

Relevant analytics that span the entire sales cycle, plus integration with DBI for additional analytics

Leads by	r Age												
Create Le	ead												
Rank	Total Leads Open Lo	ess or Equal to 2 Days	Open 3-7 Days	Open 8-30 Day	s Open 31+	Days Close	d Converted	Converted %					
A Leads	39	<u>0</u>	0		0	<u>26</u>	<u>6</u> 7	17.95					
B Leads	46	<u>0</u>	0		0	<u>24</u>	9 <u>13</u>	28.26					
C Leads	47	<u>0</u>	0		0	<u>13</u> <u>1</u>	<u>16</u>	34.04					
D Leads	65	<u>0</u>	0		0	<u>20</u> <u>1</u>	<u>27</u>	41.54					
E Leads	7/0	n	n	13	2	AEQ 11	O 54	7 01					
F Leads	Top Customers (Organization)												
Order By Total Ordered													
	(Full List) (Create Customer)												
	Customer	Industry	Total Unde		Total Ordered	Lotal (pportunity Am	Open Opportunities					
	<u>Nike</u>	Apparel		517,500.00	17,500,000.00		535,00	1					
	Big 4 Rental	Equipment		777,500.00	1,100,000.00	•		00.00 US Dollars	2				
	Ryland Homes	Construction		505,000.00	750,000.00	275,000.00 US I			1				
	AT+T Universal Car	d Financial Services		525,000.00	635,000.00	840,000.00 US Dol			2				
	Z-D Now	High Tech		350,000.00	500,000.00	170,000.00 US Dolla		0.00 US Dollars	<u>1</u>				
	<u>Total Internet</u>	High Tech		225,000.00	413,000.00		600,00	0.00 US Dollars	1				
	<u>Bigmart</u>	Retail		127,000.00	275,000.00		360,00	0.00 US Dollars	1				
	Home Depot Inc.	Retail		105,000.00	225,000.00		1,000,00	0.00 US Dollars	1				

95,000.00

Cross Sell/Up Sell Campaigns												
	Leads			Opportunities								
Sales Campaign	No Action	In Progress	Dead	Converted %	In Progress	Lost	Won	Won %				
Cross Sell 9iAS to Database Customers	<u>Z</u>	<u>10</u>	<u>12</u>	50.0	<u>10</u>	<u>11</u>	8	18.9				
eBusiness Suite UpRank	<u>20</u>	<u>32</u>	<u>5</u>	38.7	<u>12</u>	<u>6</u>	<u>18</u>	6.5				
iStore Cross Sell to Order Management Customer	<u>10</u>	<u>21</u>	<u>15</u>	9.8	2	1	1	2.4				

150,000.00

2,500,000.00 US Dollars







ENTERPRISE PLATFORM FOR

Business Intelligence

Oracle Business Intelligence Vision

Oracle approach ...



- Single database
- Single server
- Tight Security
- Standard interfaces
- Simplified environment
- "Analytical Database"
- Fast conversion of data to information

Business Intelligence

Query and Reporting

OLAP

Data Mining

Extraction of detailed and roll up data

Summaries, trends and forecasts Knowledge discovery of hidden patterns

"Information"

"Analysis"

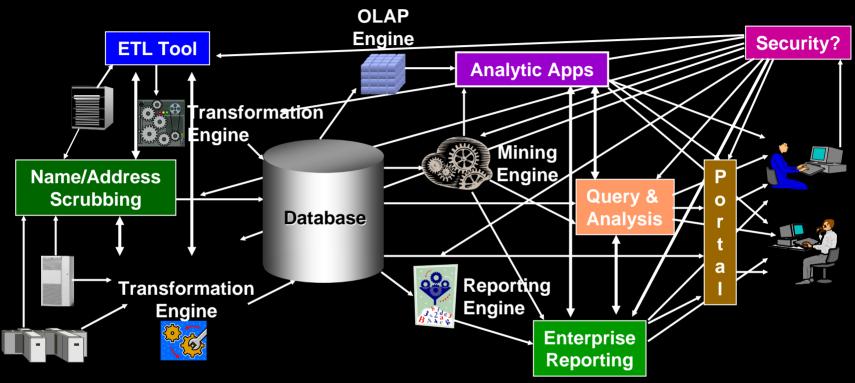
"Insights & Prediction"

Who are buying homes these days?

What is the average income of the home buyer, by region, by year?

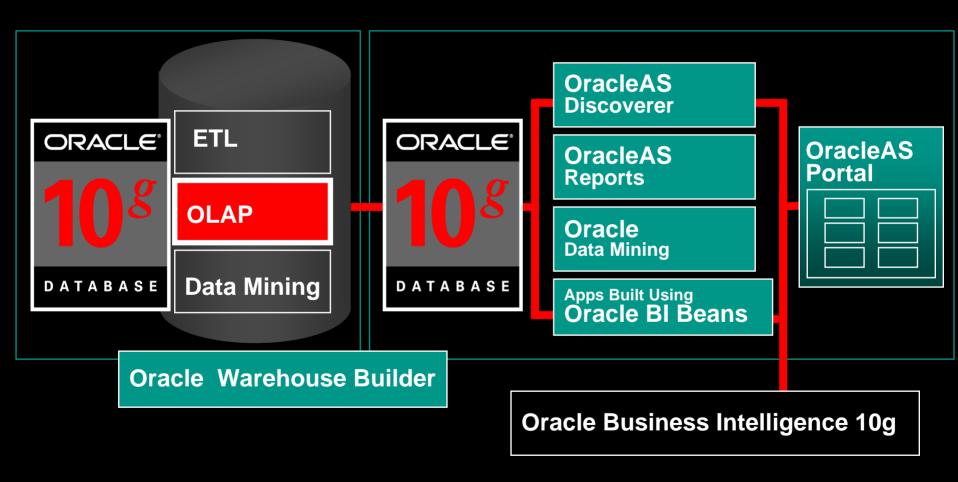
Who will reconsolidate loans in the next 6 months and why?

Common Customer Environment Multi-Vendor, Un-integrated



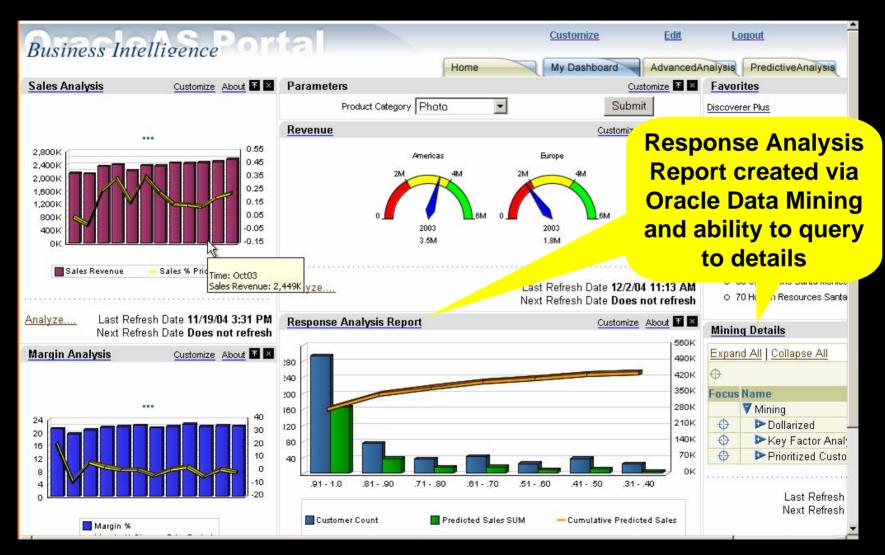
- Protracted and complex implementation
- Escalating maintenance costs
- Poor and incomplete BI solution
 - Promotes information silos

Oracle Business Intelligence Solution Complete, Integrated, and Open



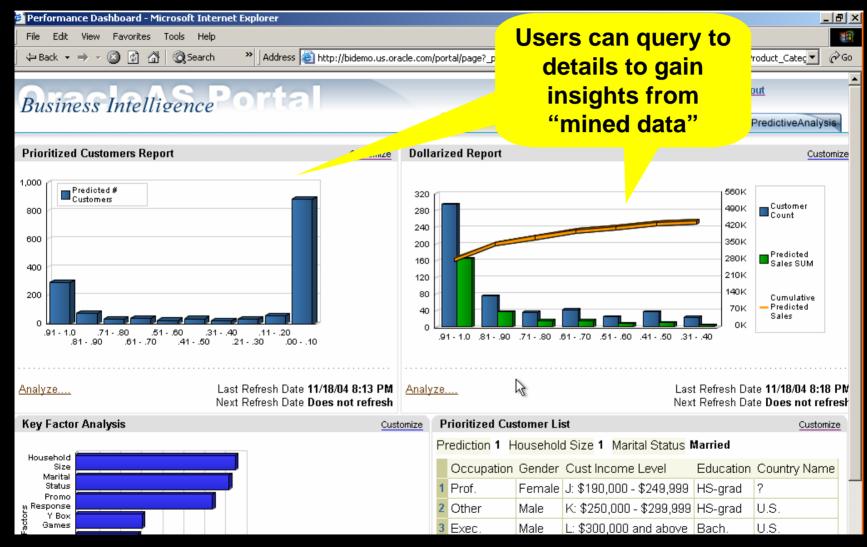
Oracle Business Intelligence

"Predictive Insights Reports"



Oracle Business Intelligence

"Predictive Insights Reports"



Components of Oracle BI Platform

- OWB
- Discoverer/Oracle Reports/XML Publisher
- Siebel Analytics Dashboard
- Portal
- OLAP
- Data Mining
- BI Beans

(clips)



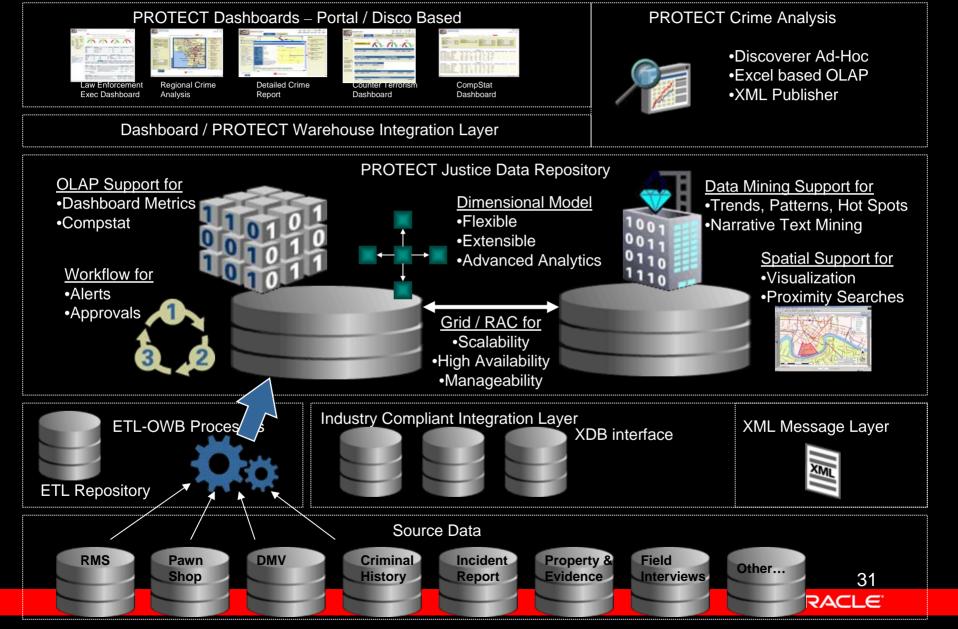




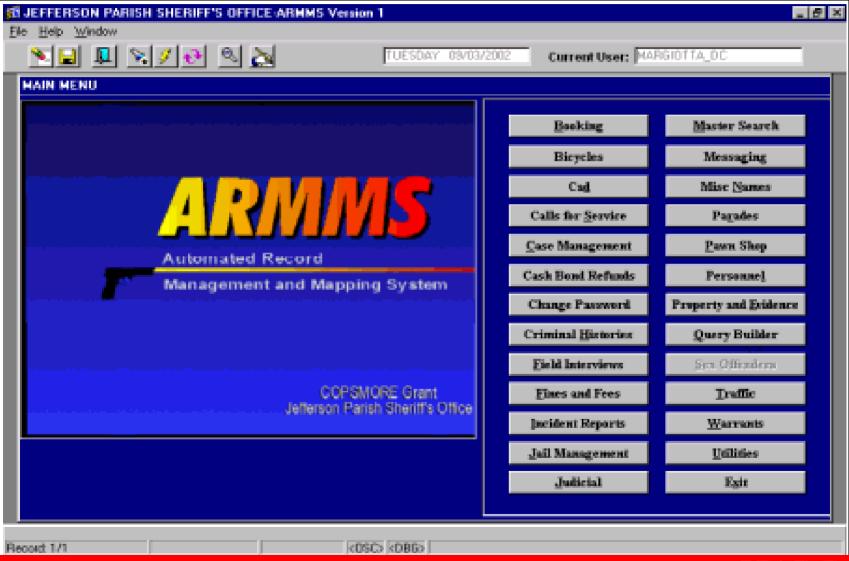
A Case Study of

Business Intelligence based Solution

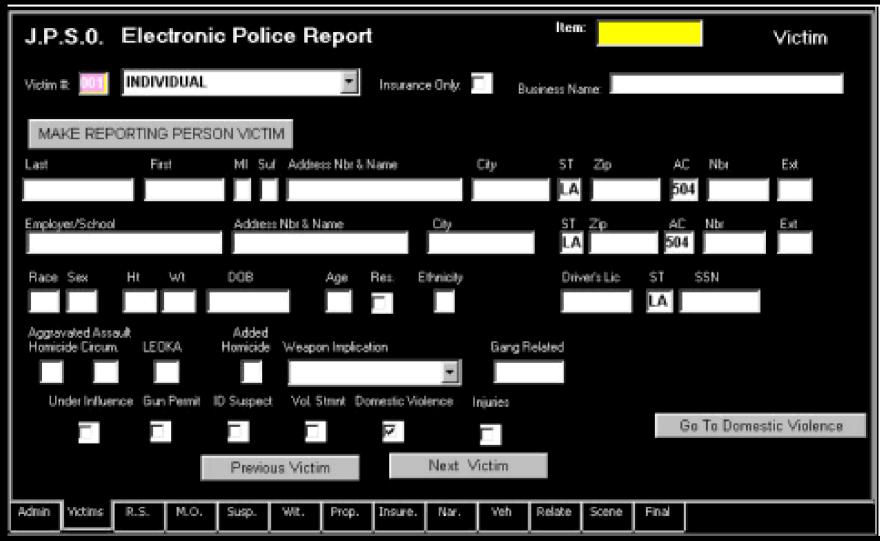
Oracle Protect Architecture Overview



Transactional (Records Management) v/s BI System



...Police Report of the Incident



BI Application Demo slides



Contact information:
Shyam.Nath@Oracle.com
(954) 609 2402 cell