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Oracle9i Application Server

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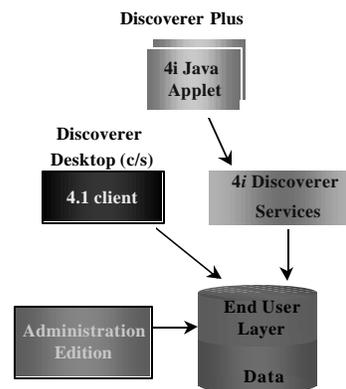
What is Discoverer 4i ?

An intuitive *ad-hoc query, reporting, analysis*, and *Web-publishing* tool that empowers business users to gain immediate access to information from *data marts, data warehouses*, and *online transaction systems*.

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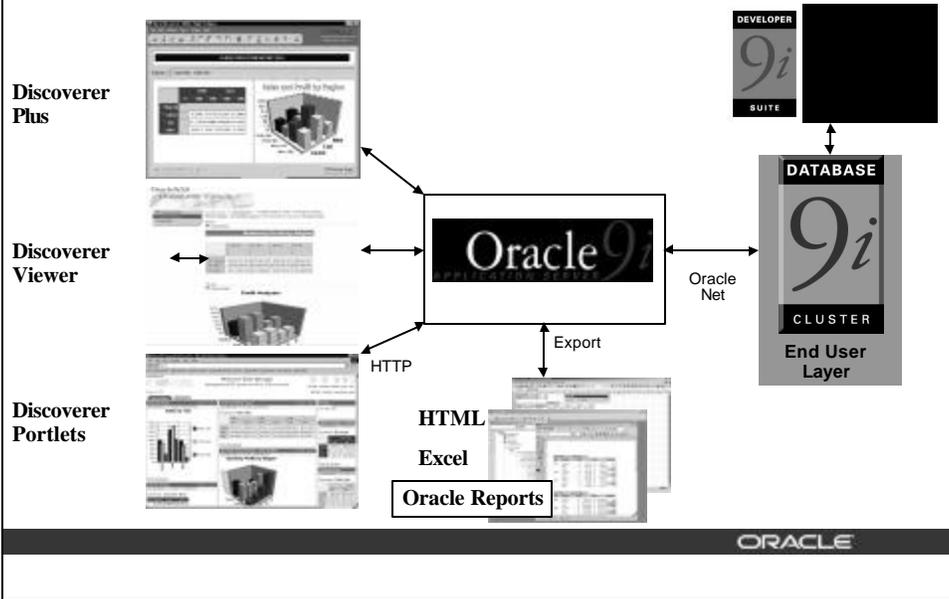
Access Anywhere, Anytime

- Discoverer Plus/Desktop
 - Build, modify, and format queries
 - Highly interactive
 - Dynamic drill, pivot

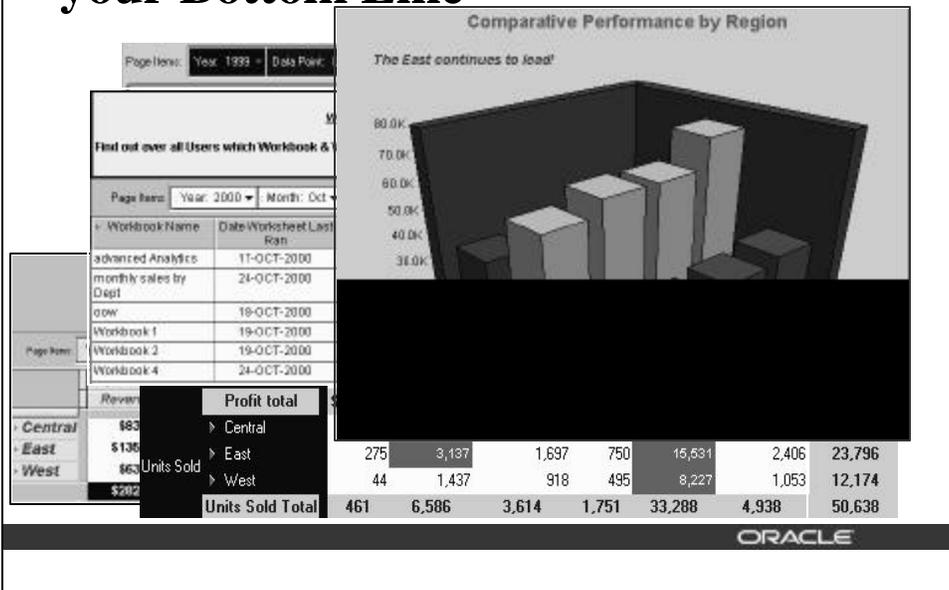


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Access anywhere, anytime



Reports that Make a Difference to your Bottom Line



Discoverer Strengths

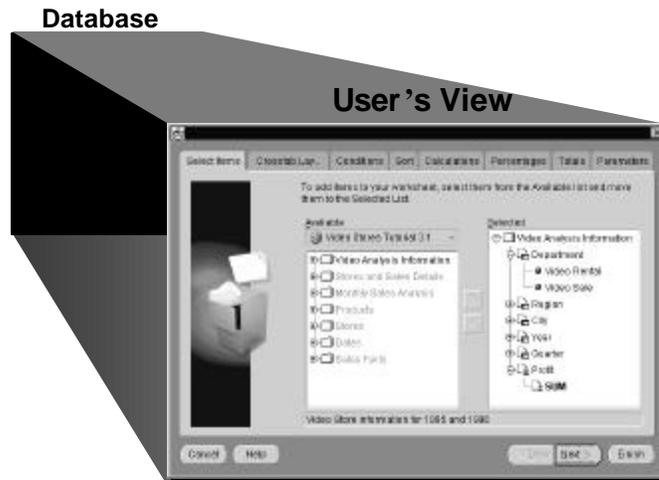
- Ease of Use
- Analytical Power
- Scalability and Performance
- Ease of Administration
- Integration and Customization

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Ease of Use

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Business View of Database Information *Hiding the complexity*



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Strong Focus on Customer Usability



1. Test user interface design



2. Feedback from focus groups

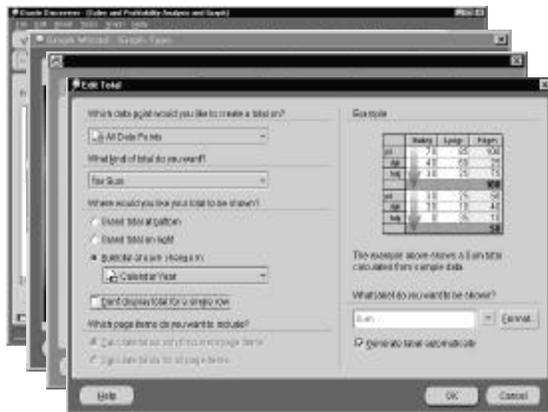


3. Perform formal usability tests



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Most Tested UI on the Market



One Click Operations

Wizard Driven

- Tutorials
- Reduced Learning Curve

Drag & Drop Layout

Interactive Dialogs

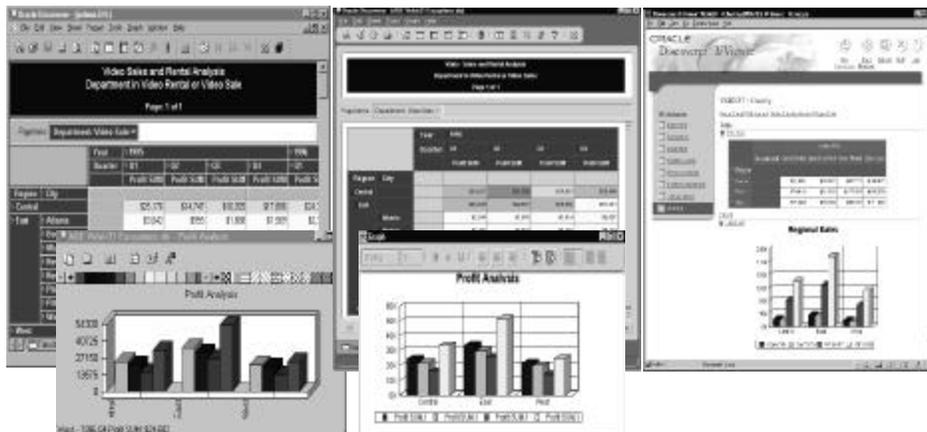
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Single User Interface

Discoverer for
Desktop Edition (c/s)

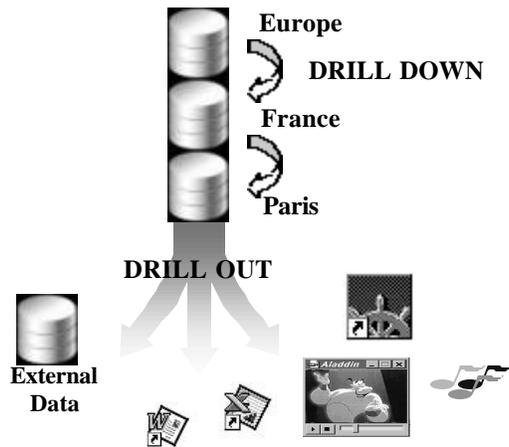
Discoverer 3i
Plus (java)

Discoverer 3i
Viewer (HTML)



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Drill Everywhere



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Analytical Power

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Power and Simplicity You Demand

Answers to Analytical Questions

- “What are my *top ten* products...”
- “What is the 3 month *moving average* ...”
- “What is the *cumulative sum* of my sales by Region...”
- “What is the *ranking* of my sales this year *compared* to sales last year?”

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Analytical Power at your fingertips !...

- Calculator functions (+ - * /)
- Intelligent (Sub)Totals & Percentages
- SQL functions
 - Financial, Arithmetic, Logical, Analytic
- Custom functions - PL/SQL registered
- Leverage Analytical Calculations: use for Conditions, Sort, Pivot, or other Analytical calculations

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Empower your users

Profit Analysis
Page 1 of 2
05-NOV-01

Page Items: Department: West Sub:

Year	Region	City	Sales SUM	Profit SUM	Profit Rate	Rank
1000	Central	Nashville	\$4,888	\$3,571	73%	1
		Chicago	\$7,488	\$5,564	72%	2
		Dallas	\$0,878	\$4,724	71%	3
		Minneapolis	\$0,438	\$8,028	71%	4
		St. Louis	\$18,118	\$11,511	71%	5
		Louisville	\$25,458	\$17,583	67%	6
		Cincinnati	\$20,154	\$18,742	94%	7
		Subtotal	\$90,238	\$47,084	68%	
	East	Atlanta	\$13,363	\$8,228	47%	8
		Washington	\$37,754	\$15,881	57%	7

Page 1 of 2 | 25 Rows per Page

Base by Department | Profit by Region | Profit by Ranking

Ratios

Rank

Subtotals

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Nesting Analytic Power

Nested Calculations:

1 sales yr ago : $lag(sales, 4)$

2 growth : $sales\ yr\ ago / sales\ this\ yr$

3 rank growth : $rank(growth)$

Page Items: Year: 1999

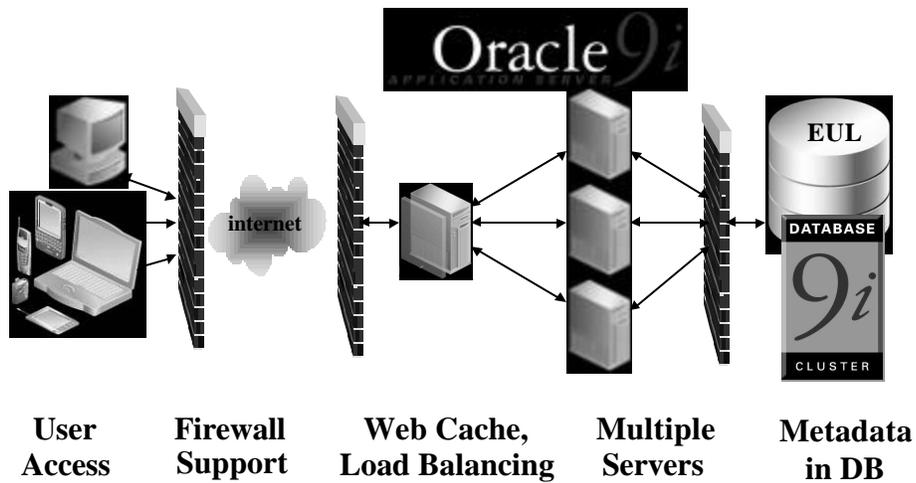
	Quarter	Q1				Q2			
		Sales	Qtr Year Ago	Growth	Rank Growth	Sales	Qtr Year Ago	Growth	R. Gr
Region									
West		\$52,346	\$44,597	17%	1	\$51,954	\$46,956	11%	
Central		\$60,474	\$54,623	11%	2	\$65,236	\$52,170	25%	
East		\$31,676	\$86,694	6%	3	\$99,442	\$91,083	9%	

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Performance & Scalability

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Discoverer Architecture



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Discoverer Viewer support for Web Cache

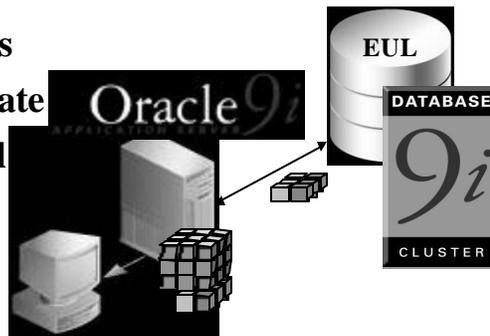


- **Faster Response Time**
- **Reduced Number of Server hits**
- **Faster Download by compression techniques**
- **Load Balancing**

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Cubic Client Cache

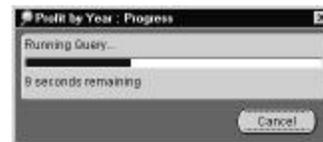
- **Re-using cache**
- **OLAP type access**
- **Rapid drill & rotate**
- **Incremental Drill**



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Advanced Query Prediction

- **Reactive Query Governor**
 - Stops queries after a pre-set time
- **Predictive Query Governor**
 - Predicts time a query takes before execution
 - Does not waste valuable resources



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Batch Scheduling



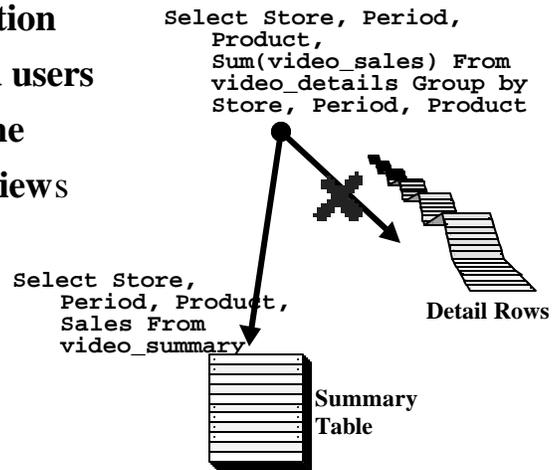
- **Wizard Driven**
- **User friendly scheduling**
- **Easy management**
- **Automatic notice when result set ready**



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Summary Redirection

- Automatic Redirection
- Transparent to end users
- Faster response time
- Use Materialized Views



Ease of Administration

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Discoverer Administrator

Easy Administration	Oracle9i Discoverer Administrator
Security Access Privileges Bulk Load Wizard EUL Management Wizard Tutorial Installation Granular Import/Export	Database or Applications security Easy setup for granular access
	Populate Business Area <ul style="list-style-type: none"> • Hierarchies • Joins • Default Aggregates • LOVs
	Create/Delete EULs
	Sample schema and EUL for Training
	Single or any group of EUL items

Administrative Reporting

- Which Folders are users querying most? Which Items?
- Where are my long running queries?
- Who owns what workbooks? When were they last used?
- What are my users privileges?

Workbook Query Statistics (Query Statistics)

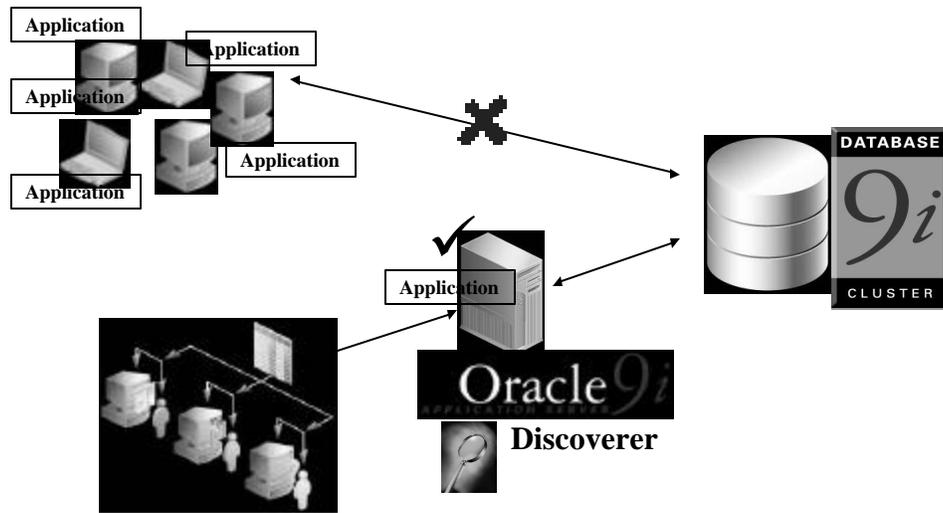
Find out over all Users which Workbook & Worksheets are the most popular.

Page/Item: Year: 2000 Month: Oct

Workbook Name	Date Worksheet Last Run	Worksheet Usage	Time taken to run Worksheet (H:MM:SS)	No of Queries
advancedAnalytics	17-OCT-2001	1	00:00:11	1
monthly sales by Dept.	24-OCT-2001	1	00:00:11	1
pow	18-OCT-2001	1	00:00:00	1
Workbook-1	19-OCT-2001	1	00:00:01	1
Workbook-2	19-OCT-2001	2	00:00:02	1
Workbook-4	24-OCT-2001	1	00:00:00	1

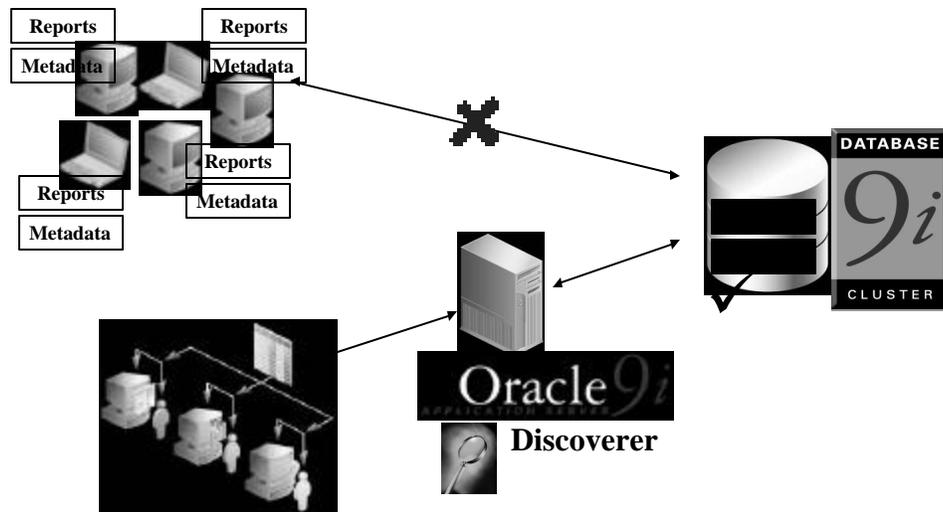
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Simplified Deployment



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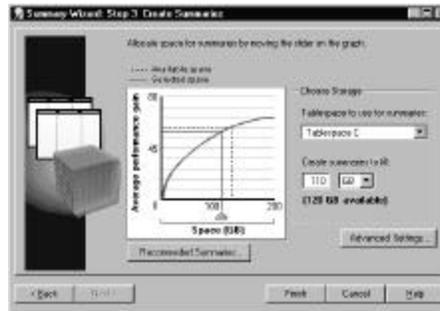
Centralized Metadata



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Automated Summary Management

- **100% Automated**
Automated summary policies
- **Easy to use**
No need to be a DBA
- **Graphical**
Performance gain estimate
- **Customize**
Fine tune algorithm for different policies



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Easy User Access

- **OEM Configuration Management** 
 - Public and user defined connections, locale, SSO and security.
- **Single Sign On** 
 - Multiple databases/End User Layers and
 - Other SSO compliant applications, such as Oracle9iAS Portal, without logging again during the same browser session.
- **Change Password** 
 - Users to change their database passwords either on demand or on expiration for any database they have access to.

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Complete and Integrated BI – New Features

Integration Features	Oracle9iAS Discoverer	
Oracle9iAS OEM	Creating Connections	
Oracle9iAS Reports	Export to Reports in XML	
Oracle9iAS Portal	Discoverer Portlets	
Oracle9iAS Web Cache	Discoverer Viewer support	
Oracle Single Sign On Server	Support for SSO	
Oracle9i Warehouse Builder	Lineage and Impact Analysis	
Oracle e-Business Suite	Zero-setup, Easy Access	

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Complete and Integrated BI

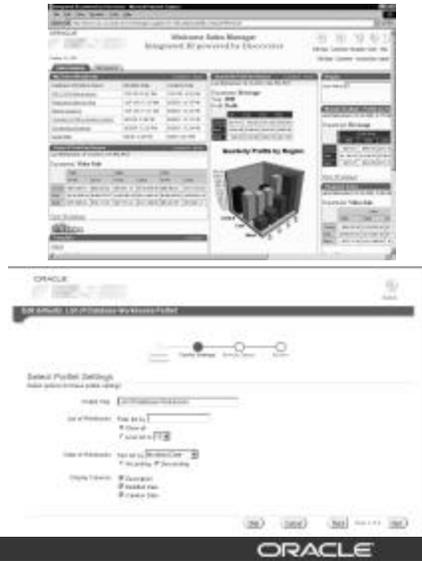
New Features	Oracle9iAS Discoverer	
Scheduling from Plus	Alert at Login	
Enhanced Data Aggregation	Use of 'Rollup' for Totals	
Viewer	Sorting	
Administration	Miscellaneous Enhancements	
Graphing	Support for Pareto analysis	

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Discoverer Portlets



- List of Workbooks Portlet
 - Customizable
 - Scheduled
 - Drill out to Viewer
- Worksheet Portlet
 - Customizable
 - Data or graph
 - Scheduled
 - Drill out to Viewer



Discoverer Portlets



Worksheet Portlet: Graph

Worksheet Portlet: Crosstab

List of Workbooks Portlet



XML export to Reports



The screenshot shows the Oracle Reports interface. On the left, a tree view displays a hierarchy of objects, with 'Imported SQL' highlighted. An arrow points from this label to the tree view. On the right, a report is displayed with two tables. The top table has columns for Department, Employee, Profit, Sales, and Margin%. The bottom table has columns for Department, Quarter, Profit, Sales, and Margin%. An arrow points from the 'Preserved Formatting' label to the report content.

Department	Employee	Profit	Sales	Margin%
1980	Control	\$ 874.21	\$ 909.22	0.76
	Exec	\$ 1,460.82	\$ 1,457.83	0.79
	Mgr	\$ 881.37	\$ 854.85	0.88
1980	Control	\$ 888.92	\$ 882.80	0.79
	Mgr	\$ 223.58	\$ 743.60	0.88
	Exec	\$ 1,240.88	\$ 1,642.85	0.75
2000	Control	\$ 210.82	\$ 322.41	0.68
	Mgr	\$ 172.78	\$ 177.32	0.88
	Exec	\$ 749.88	\$ 1,629.35	0.73

Department	Quarter	Profit	Sales	Margin%
1980	Control	\$ 19,831.28	\$ 25,629.85	0.75
	Mgr	\$ 20,282.81	\$ 22,350.40	0.88
	Exec	\$ 26,850.46	\$ 42,008.80	0.68
1990	Control	\$ 14,380.84	\$ 19,217.03	0.75
	Mgr	\$ 15,814.88	\$ 18,847.85	0.88
	Exec	\$ 22,110.42	\$ 30,626.00	0.68

Imported SQL

Preserved Formatting

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