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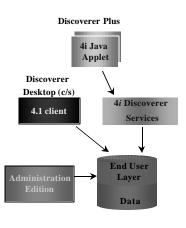# Oracle9*i* Application Server

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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.
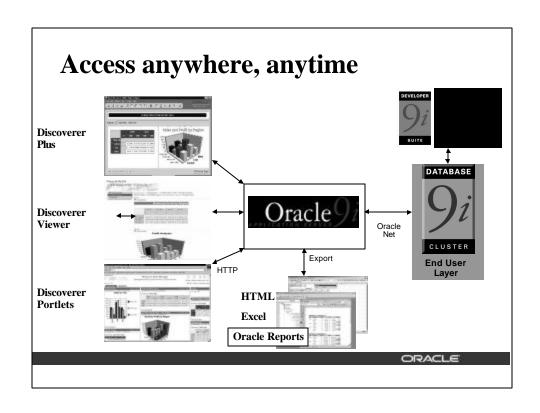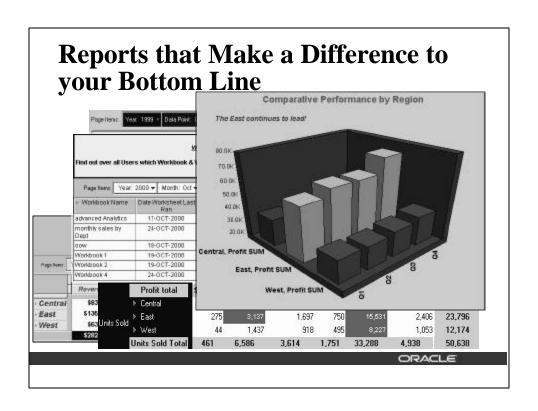
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Access Anywhere, Anytime

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

Discoverer Plus

4i Java Applet

Discoverer Desktop (c/s)

4.1 client

4*i* Discoverer Services

End User Layer

Administration Edition

Data

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Access anywhere, anytime

Discoverer Plus

Discoverer Viewer

Discoverer Portlets

DEVELOPER **9i** SUITE

DATABASE **9i** CLUSTER

Oracle Net

End User Layer

Export

HTTP

HTML

Excel

Oracle Reports

ORACLE

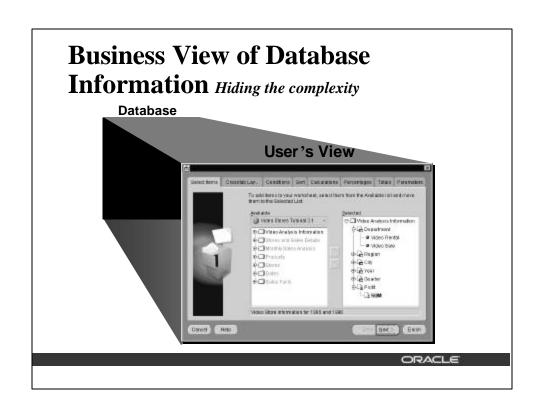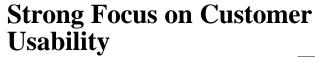# Reports that Make a Difference to your Bottom Line

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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*

Database

User's View

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Strong Focus on Customer Usability

1. **Test user interface design**

~~Code~~
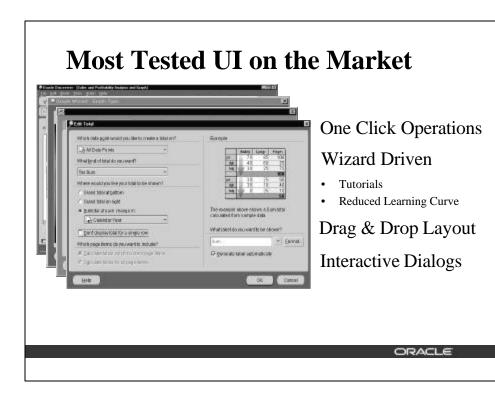
2. **Feedback from focus groups**
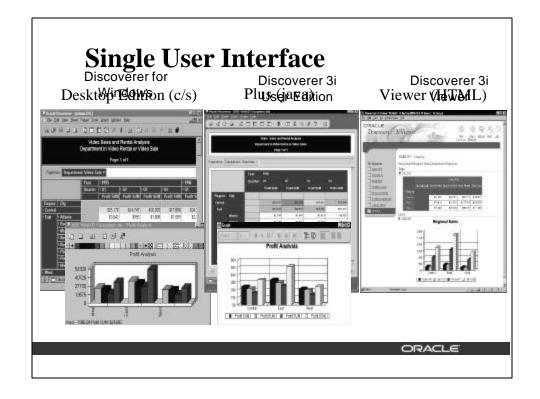
3. **Perform formal usability tests**

Code

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Page 5

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) User Edition

Discoverer 3i Viewer (HTML) Viewer

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Drill Everywhere

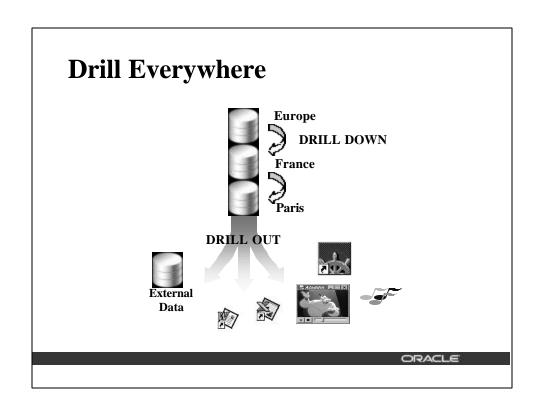Europe

DRILL DOWN

France

Paris

DRILL OUT

External
Data
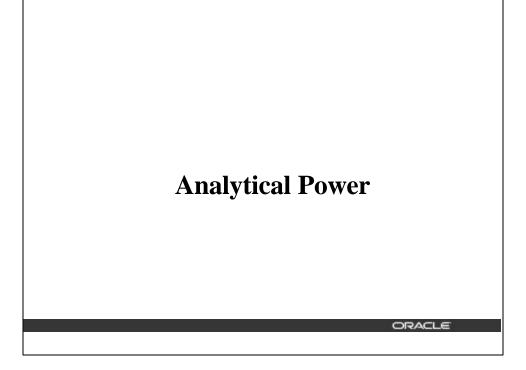
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Analytical Power
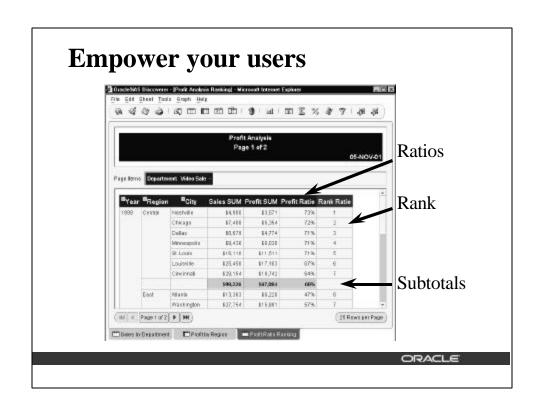
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Power and Simplicity You Demand

Answers to Analytical Questions
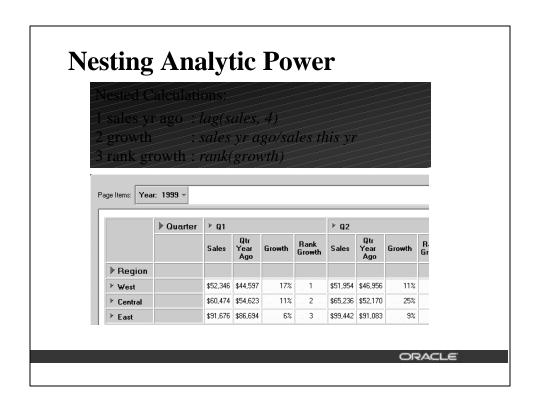
- "What are my *top ten* products..."

- "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 !...
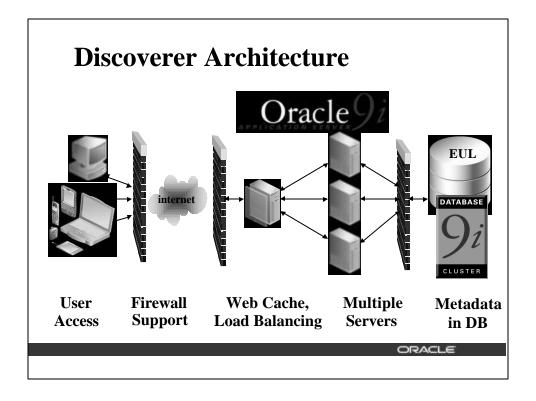
- Calculator functions (+ - * /)

- Intelligent (Sub)Totals & Percentages

- SQL functions

    – Financial, Arithmethic, 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

Ratios

Rank

Subtotals

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			$91,676	$86,694	6%	3	$99,442	$91,083	9%	

Performance & Scalability

Discoverer Architecture

Oracle 9i
APPLICATION SERVER

internet

EUL

DATABASE

9i

CLUSTER

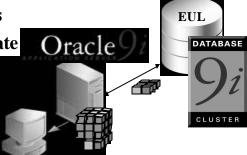| User Access | Firewall Support | Web Cache, Load Balancing | Multiple Servers | Metadata in DB |

10

Discoverer Viewer support for [New]
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**

Oracle9i

EUL

DATABASE
9i
CLUSTER

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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
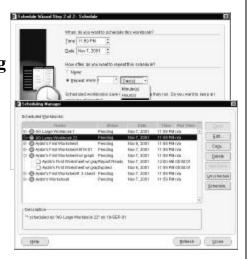 - Does not waste valuable resources

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Batch Scheduling

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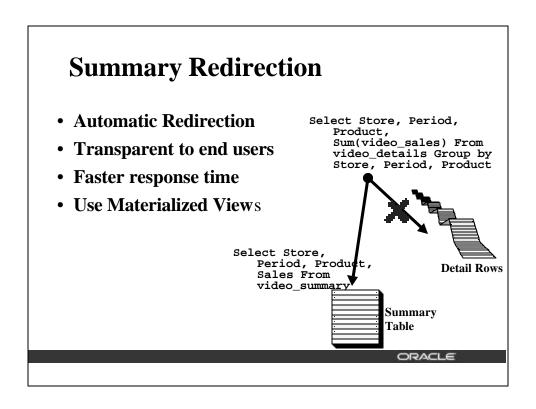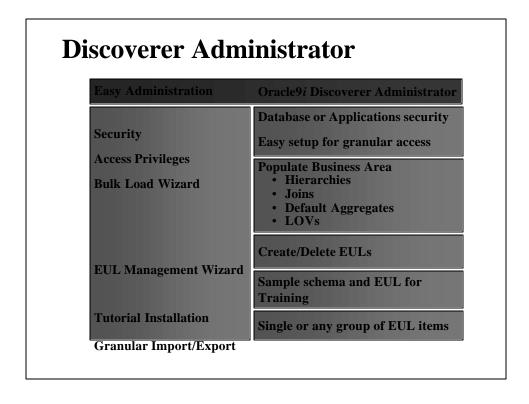
- Wizard Driven
- User friendly scheduling
- Easy management
- Automatic notice when result set ready

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Summary Redirection

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

```
Select Store, Period,
    Product,
    Sum(video_sales) From
    video_details Group by
    Store, Period, Product
```

```
Select Store,
    Period, Product,
    Sales From
    video_summary
```

Detail Rows

Summary Table

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Ease of

Administration

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1.

Discoverer Administrator

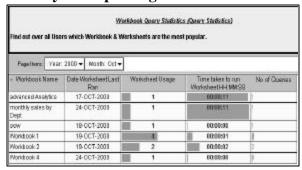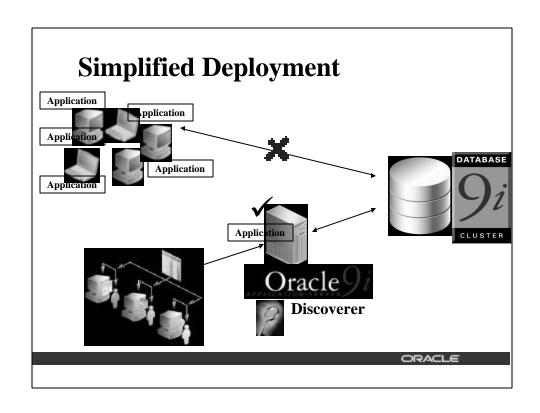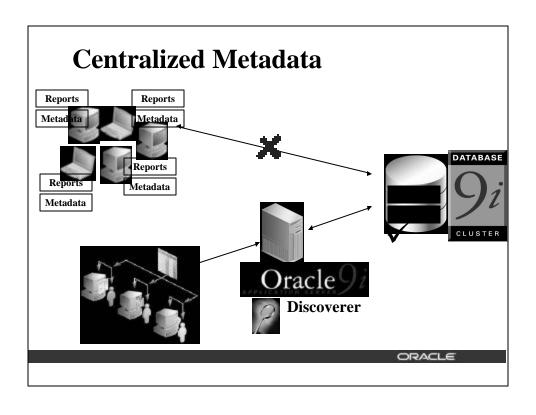| Easy Administration	Oracle9*i* Discoverer Administrator
Security	Database or Applications security
	Easy setup for granular access
Access Privileges	Populate Business Area
Bulk Load Wizard	• Hierarchies
	• Joins
	• Default Aggregates
	• LOVs
	Create/Delete EULs
EUL Management Wizard	Sample schema and EUL for Training
Tutorial Installation	Single or any group of EUL items
Granular Import/Export	

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?**

Simplified Deployment

Application

Application

Application

Application

Application

✓

Application

Oracle 9i

Discoverer

DATABASE 9i CLUSTER

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Centralized Metadata

Reports

Metadata

Reports

Metadata

Reports

Reports

Metadata

Metadata

Oracle 9i

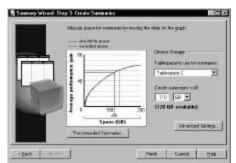Discoverer

DATABASE 9i CLUSTER

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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** *New*
  – Public and user defined connections, locale, SSO and security.

- **Single Sign On** *New*
  – Multiple databases/End User Layers and
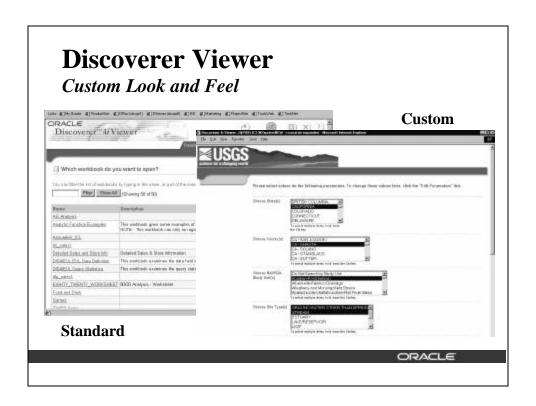
  – Other SSO compliant applications, such as Oracle9iAS Portal,
  without logging again during the same browser session.

- **Change Password** *New*
  – Users to change their database passwords either on demand or on
  expiration for any database they have access to.

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Customization &
Integration

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Discoverer Viewer
Custom Look and Feel

Custom

Standard

ORACLE

1

Complete and Integrated BI – New Features

Integration Features	Oracle9*i*AS Discoverer	
Oracle9*i*AS OEM	Creating Connections	*New*
Oracle9*i*AS Reports	Export to Reports in XML	*New*
Oracle9*i*AS Portal	Discoverer Portlets	*New*
Oracle9*i*AS Web Cache	Discoverer Viewer support	*New*
Oracle Single Sign On Server	Support for SSO	*New*
Oracle9*i* Warehouse Builder	Lineage and Impact Analysis	
Oracle e-Business Suite	Zero-setup, Easy Access	

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Complete and Integrated BI

New Features	Oracle9*i*AS Discoverer	
Scheduling from Plus	Alert at Login	*New*
Enhanced Data Aggregation	Use of 'Rollup' for Totals	*New*
Viewer	Sorting	*New*
Administration	Miscellaneous Enhancements	*New*
Graphing	Support for Pareto analysis	*New*

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1

Discoverer Portlets

- **List of Workbooks Portlet**
  - Customizable
  - Scheduled
  - Drill out to Viewer

- **Worksheet Portlet**
  - Customizable
  - Data or graph
  - Scheduled
  - Drill out to Viewer

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Discoverer Portlets

Worksheet Portlet: Graph

Worksheet Portlet: Crosstab

List of Workbooks Portlet

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Page 19

XML export to Reports

Imported SQL

Preserved Formatting

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