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SOFTWARE POWERS THE INTERNET™

# Oracle9*i* OLAP

A Scalable Web-Base Business Intelligence Platform

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## Agenda

- Business Intelligence Market
- Oracle9i OLAP
- Business Intelligence Beans
- Express Direction and Migration
- Questions/Answers

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## Business Intelligence

- Business Intelligence Applications are now a driving force within leading organizations
  - A competitive necessity
  - Data warehouses
  - Internet

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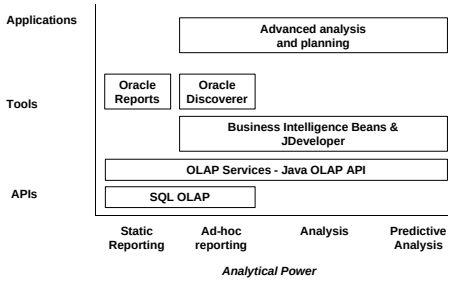
## Business Intelligence Market

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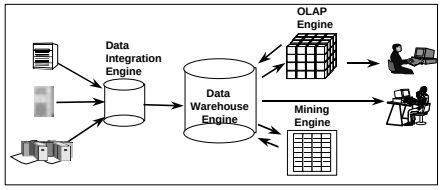
## Traditional Analytic Servers

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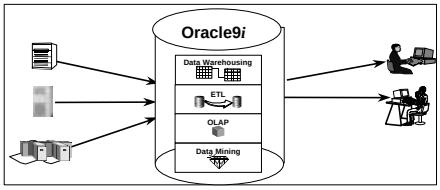
## Oracle9*i* Analytic Platform

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# Oracle 9*i*

**The new platform for business intelligence applications**

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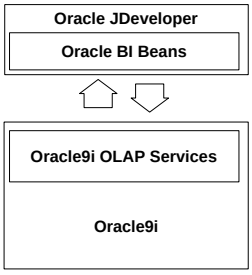
## BI Application Platform




**Rapid application development**
**Analysis ready**

**Java OLAP API**
**Predictive analysis functions**

**Scaleable data store**
**Integrated metadata**
**Summary management**
**SQL analytic functions**

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## Supporting Enterprise Applications

- Improved scalability
- An open data store
- Reduce or eliminate replication
- A single security model
- A single set of management tools
- Availability features of the database
- Pure Internet

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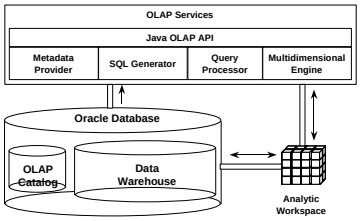
## Oracle9i OLAP Services

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## Java OLAP API

- Designed for OLAP on the Internet
  - Java, object-oriented
  - Multidimensional calculations
  - Multidimensional cursors
  - Insulates application developer from SQL
  - Insulates application from physical data store

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## Oracle Relational Database

- High performance cell access
  - Parallel query
  - Bitmap join indexes
  - Grouping sets & partition pruning
  - Automatic memory tuning
  - OLAP Calculations
- Summary Management

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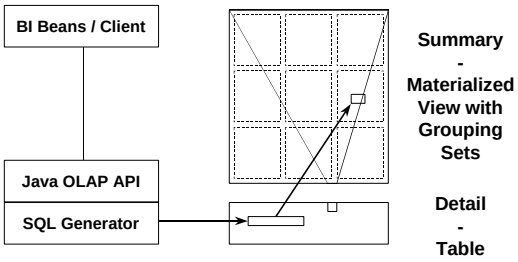
## Summary Management

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## Management

- Oracle Enterprise Manager
  - Data modeling
  - Job scheduling
  - Performance monitoring
  - Users
  - Security

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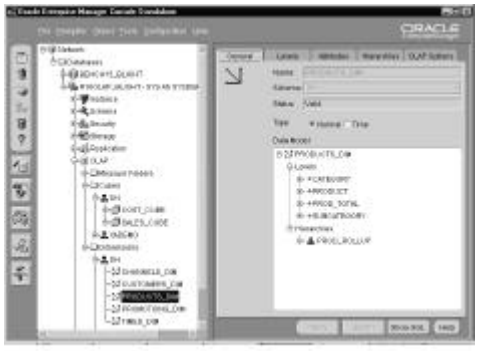

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## Business Intelligence Beans

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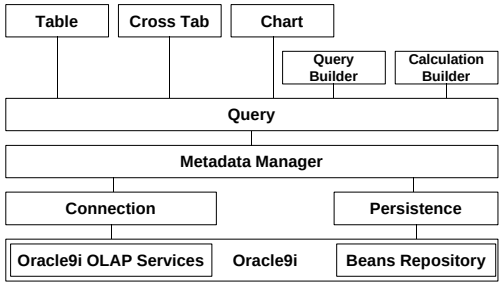
## Business Intelligence Beans

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## Common UI for Oracle BI

- Provides common user interface across Oracle products
  - Discoverer
  - Reports
  - Portal
  - Etc.

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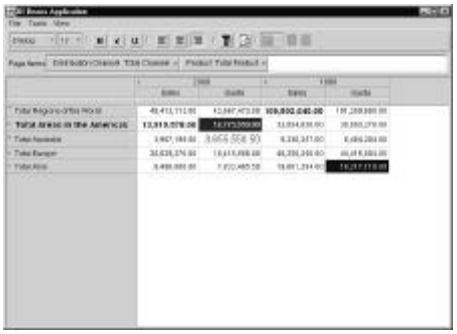

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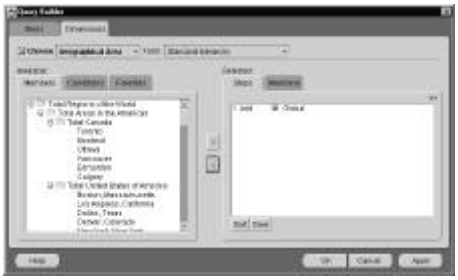

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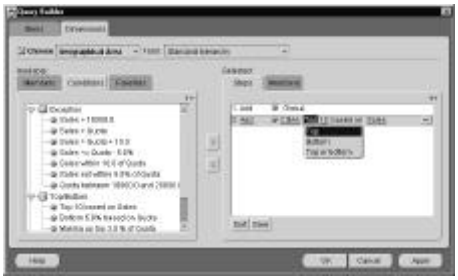

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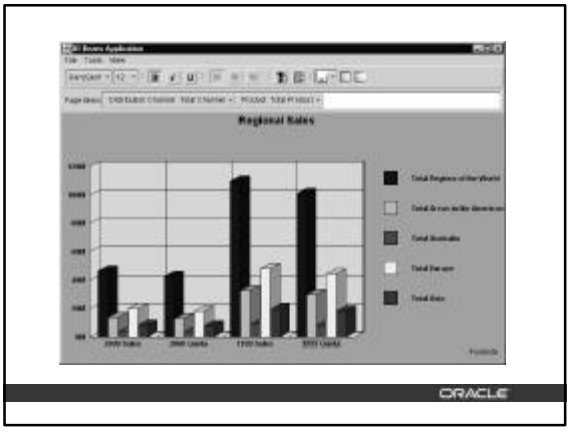
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Business Intelligence
Create or Open a View
Beans Repository
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Business Intelligence
Regional Performance
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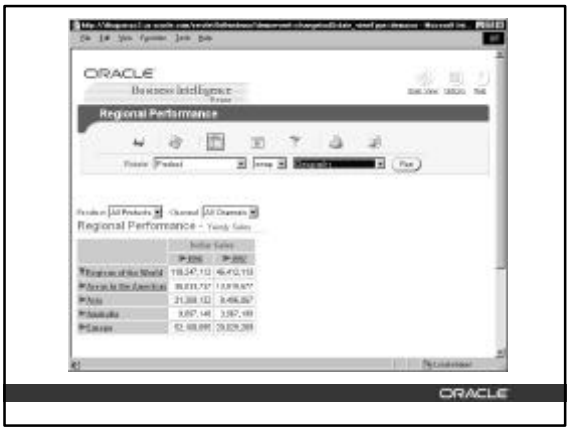
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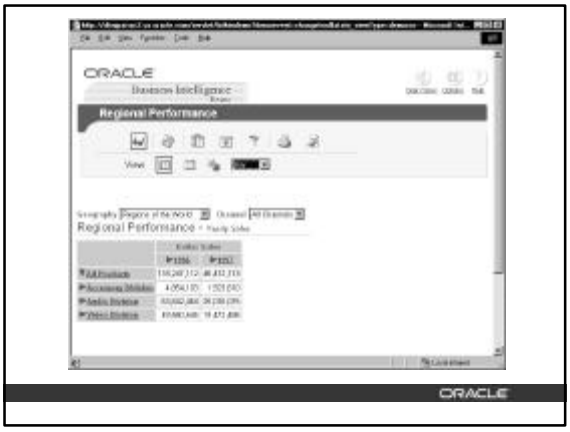
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Business Intelligence
Regional Performance
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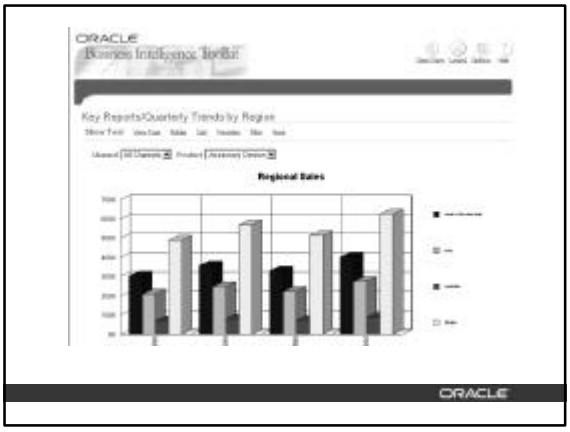
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Business Intelligence Toolkit
Key Reports/Quarterly Trends by Region
Regional Sales
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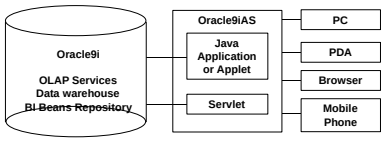
## Application Deployment

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## Developing with JDeveloper

- Automatic code generation wizards
- Live connections to Oracle9i and OLAP Services
- Live connection to BI Beans repository

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## Define application objects

Wizard-driven definition of objects

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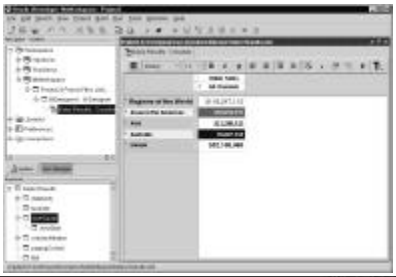
## Edit application objects

Designers enable editing of data-aware objects



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## Export to run-time repository

Deployed objects accessible to end users

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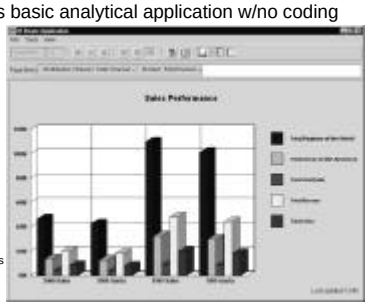
## Java applet wizard

Generates basic analytical application w/no coding



Open/save views
Define queries
Define calculations
Export
Format views

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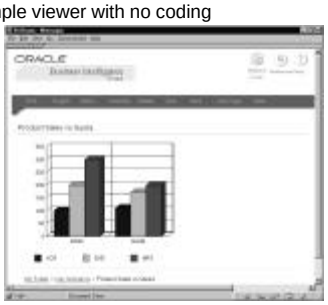
## Servlet wizard

Generates simple viewer with no coding



Open/save presentations
Export to spreadsheet
Change view type
Drill/rotate
Apply favorite selections

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## 9*i* OLAP vs Express

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## Comparison with Express

| Feature | Express | Oracle 9i |
|---|---|---|
| Relational data | RAM | Native |
| Multidimensional data | Native | Native |
| Data manipulation language | SPL | SPL |
| Query API | SNAPI | Java |
| Authentication | Op. Sys | Database |
| Administration | Stand-alone | Integrated |
| Development Tools | Client-server | Internet |

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## Express Server

- New versions of Express Server 6.x to be released
  - AGGREGATE enhancements
  - Web Agent enhancements
- Express Server will maintained and supported for 4-5 years
- New versions of tools and applications to be released on Express Server 6.x

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## Express Migration

- Data
  - Keep in Analytic Workspace or load into Oracle
- Applications (OSA, OFA, ODP)
  - Upgrade to Oracle Enterprise Planning & Budgeting
- Express Objects
  - Replace with BI Beans applications
- Web Agent
  - Replace with BI Beans applications

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## For more information:

- www.oracle.com/
  - White papers and data sheets
  - Oracle Technical Network (OTN)
  - Oracle Learning Network (OLN)

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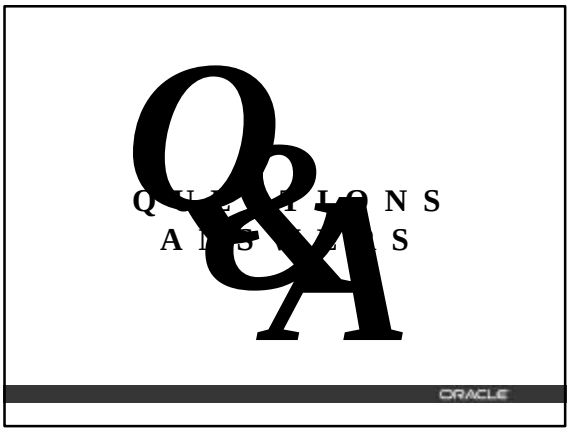
Q&A
QUESTIONS
ANSWERS
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