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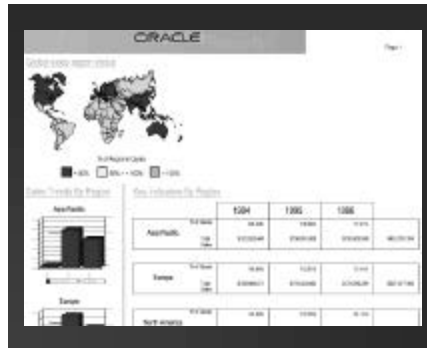
## **What is Oracle Reports ?**

A production reporting tool to dynamically  
retrieve, format and distribute database  
information.

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## Unlimited Data Formatting

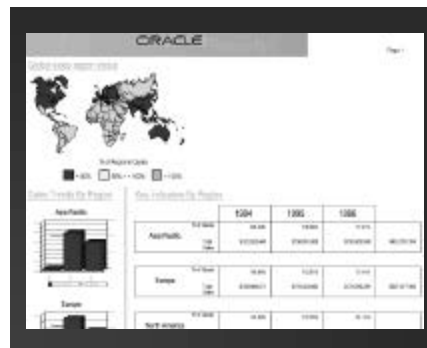
- Multiple report formats
  - Tabular, matrix, charts,...
- Multiple queries
- Data-driven graphics



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## High Quality Reports Via The Web

- High-Quality output
  - HTML CSS
  - Adobe's PDF
- Hyperlinks
- Animated GIFs
- Java components



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## Building Reports

- Wizard Driven Report Development
- Predefined Templates
- WYSIWYG Formatting
- Wizard Based Web generation
- Easy Report Navigation
- Report Parameters
- Openness

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## Report Wizard

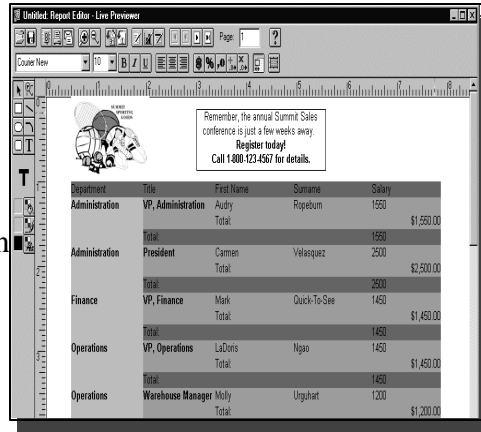
- Major Tasks Expedited Through Re-entrant Wizard Technology
- Reduce learning time
- Remove conceptual barriers
- NO code





# WYSIWYG formatting

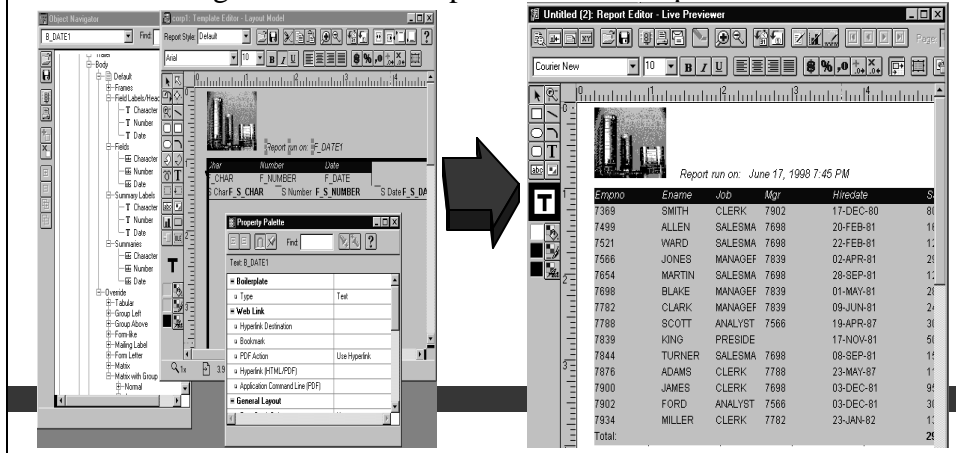
- Live Previewer
  - First page of report displayed
  - Format items in place
  - get instant feedback on report 'look & feel'



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# Predefined Templates

- Promotes Reusability and Standardization
- Leverage the Skills of Experienced Developers



# Web Wizard

- Automatic generation of reports for the Web
  - HTML and HTMLCSS
  - PDF

**CIR Associates** Company Retirement Plan  
Quarterly Statement  
02-JUN-98 13:07:06

Client: Jeff K  
SSN: 59-01-4203  
Total Balance: \$14,919.87  
Loan Amt. Available: \$7,459.94  
Deferral Percentage: 2%  
Vested Percentage: 100%

| INVESTMENT FUND ELECTIONS |                  |                |            |             |             |
|---------------------------|------------------|----------------|------------|-------------|-------------|
|                           | Ancia Industrial | Anderson Trust | Boston GIC | Delta Index | Johnson GIC |
|                           | 20%              | 20%            | 20%        | 20%         | 20%         |

**ACCOUNT SUMMARY**

|                                 | Ancia Industrial  | Anderson Trust    | Boston GIC        | Delta Index       | Johnson GIC       | Total Funds        |
|---------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| <b>Employee Contributions</b>   |                   |                   |                   |                   |                   |                    |
| Contributions                   | \$1,215.74        | \$1,218.00        | \$1,216.91        | \$1,217.28        | 0.00              | \$4,867.93         |
| Fund Income                     | \$210.55          | \$210.74          | \$212.55          | \$110.55          | 0.00              | \$744.39           |
| Transfers                       | 0.00              | 0.00              | -\$333.33         | 0.00              | 0.00              | -\$333.33          |
| Subtotal                        | \$1,426.29        | \$1,428.74        | \$1,096.13        | \$1,327.83        | \$0.00            | \$5,279.99         |
| <b>Company Matching Account</b> |                   |                   |                   |                   |                   |                    |
| Contributions                   | \$3,212.74        | 0.00              | \$3,214.74        | 0.00              | \$3,213.40        | \$9,640.88         |
| Subtotal                        | \$3,212.74        | 0.00              | \$3,214.74        | 0.00              | \$3,213.40        | \$9,640.88         |
| <b>GRAND TOTAL:</b>             | <b>\$4,639.03</b> | <b>\$1,428.74</b> | <b>\$4,310.87</b> | <b>\$1,327.83</b> | <b>\$3,213.40</b> | <b>\$14,919.87</b> |

Loan amount available as of 5/1/98 is 50% of your total balance. Also note that all matching account funds are non fully vested.

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# Easy Report Navigation

**Technology Stocks**

| Symbol | Volume | High 365 | Low 365 | Div | P/E | Yield |
|--------|--------|----------|---------|-----|-----|-------|
| IBM    | 47.94  | 16.50    | 0.77    |     |     |       |
| MSFT   | 1264   | 31       | 8       | 24  | 13  | 4     |
| ORCL   | 10587  | 45       | 23      | 44  | 4   | 0     |
| MSFT   | 22000  | 37       | 12      | 8   | 16  | 5     |
| ORCL   | 84943  | 84       | 23      | 1.2 | 21  | 9     |

Date as of July 25, 1997, 12:08

**Bookmarks automatically generated**

**Hyperlinks created to drill down on detailed information**

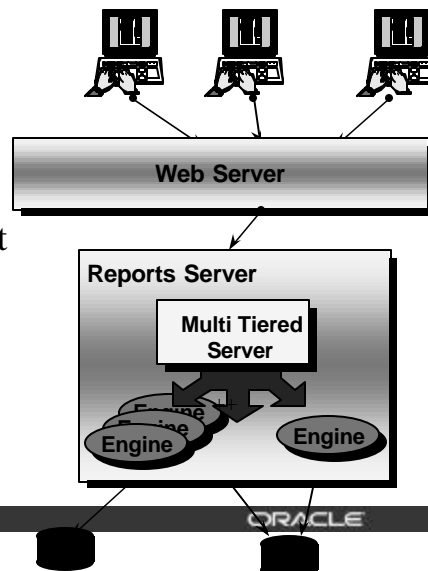
## Openness

- ODBC aware
- Translate to 40+ languages
- Embed in 3rd Party applications

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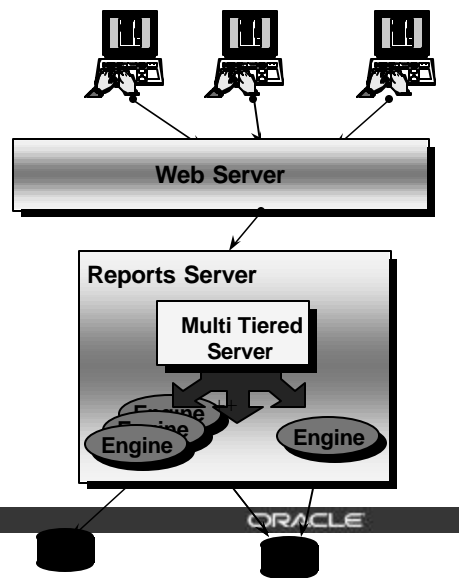
## Multi Tiered Reports Server

- Able to service multiple user report submissions simultaneously
- Manages handoff to report engines
- Supplies report output to users



## Report Caching

- Report output can be cached on the Application Server
- Requests then reuse reports from cache
- Set cache time-out and refresh



## XML Output



Report run on: March 6, 2003 4:27 PM

| Employee Name | Dept | Salary  |
|---------------|------|---------|
| SMITH         | 20   | 4900    |
| ALLEN         | 30   | \$1,600 |
| WARD          | 30   | \$1,250 |
| JONES         | 20   | \$2,975 |
| MARTIN        | 30   | \$1,250 |
| BLAKE         | 30   | \$2,850 |
| CLARK         | 30   | \$2,450 |
| SCOTT         | 20   | \$3,000 |
| KING          | 30   | \$5,000 |
| TURNER        | 30   | \$1,500 |
| ADAMS         | 30   | \$1,300 |
| JAMES         | 30   | 4950    |
| FORD          | 20   | \$1,000 |
| MILLER        | 30   | \$1,300 |



```

- <!--
Generated by Oracle Reports version 6.0.8.3.5
->
- <EMP>
- <LIST_G_ENAME>
- <G_ENAME>
<ENAME>SMITH</ENAME>
<DEPTNO>20</DEPTNO>
<SAL>800</SAL>
</G_ENAME>
- <G_ENAME>
<ENAME>ALLEN</ENAME>
<DEPTNO>30</DEPTNO>
<SAL>1600</SAL>
</G_ENAME>
- <G_ENAME>

```

- Business to Business data exchange
- Combine with XSL to output to XML/XSL enabled browsers (IE 5)

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## Oracle Reports Summary

- Unlimited data formatting
- Distributes high fidelity reports via the Web
- Application server based reporting engine
- Compliments DSS offerings

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## New Features - Summary

### DEVELOPMENT

- JSP and XML-based Report Definition
- XML, JDBC, Oracle9i Olap, Text Files
- Pluggable Data Sources
- PL/SQL to Java Bridge
- Integration with Oracle9i JDeveloper
- Integration with Oracle9i SCM
- Graphing
- Oracle9iAS Portal Report Import
- Edit Oracle9iAS Discoverer Worksheet

### DEPLOYMENT

- Servlet and JSP Runtime Architecture
- Open API's – Pluggable Facilities
- Oracle9iAS Reports Services Clustering
- Reports as Portlets
- PDF 1.4
- Enhanced Email support
- Event-driven publishing
- Enhanced Report Bursting / Distribution
- OEM Integration
- SSO Integration

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