## 9iAS and Discoverer 4i Plus

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### Vlamis Software Solutions, Inc.

- Oracle Beta Tester for numerous programs, such as Applications 11i,
  Reports 6i, OWB, 9iAS, Oracle 9i OLAP
- Designs and implements databases/data marts/data warehouses using RDBMS and Multidimensional tools for Business Intelligence
- Specializes in Oracle Applications 11i implementations for middle market manufacturers and distributors, including custom development for competitive advantage
- Creator of the first Oracle 9i OLAP Business Intelligence and Analytics tool, VSS Business Analyzer.
- Our competencies include certified designers, developers, and implementers
- Nationally recognized technical authors, speakers, and publishers

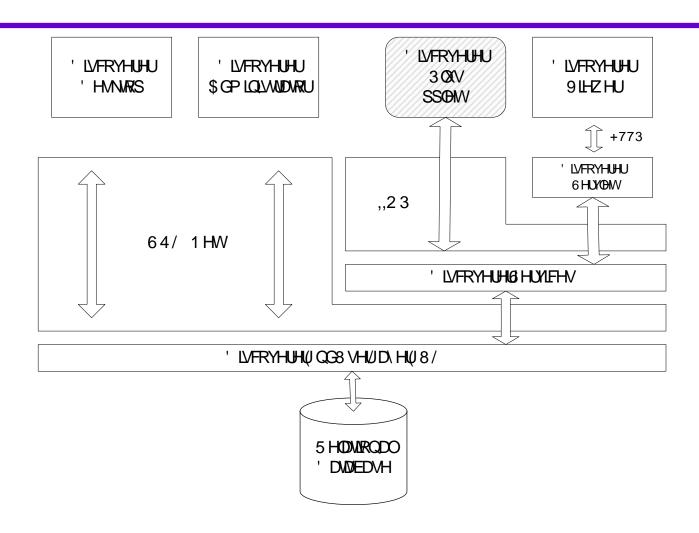
## Agenda



- 9iAS and Discoverer 4i Plus Overview
- Setup and Connectivity for Discoverer 4i Plus
- Oracle Portal concepts
- Building and Executing a Query
- Demonstration
- Summary

### Oracle 9iAS Overview





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### Discoverer 9iAS Overview



- Discoverer 4i Java client
- Discoverer 4i viewer
- Discoverer Admin edition

### Discoverer 9iAS Overview



- Install as Standalone BI tool, integrated into website or portal, or with Applications 11i (metalink note 146468.1, MKS Toolkit 6.1a or higher, and Discoverer 4i patches 2175703 and 2177640)
- Region on portal page = portlet
- Data source registered with 9iAS Portal = portlet provider
- 9iAS Discoverer = portlet provider to 9iAS Portal

### Discoverer 9iAS Overview



- 2 types of Discoverer Portlets
  - list of workbooks portlet
  - Results portlet
- Results portlets may be data only (table or crosstab), graph only, or both data and graph
- Portlets may distinguish between authenticated users and nonauthenticated users

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### Discoverer 9iAS Install

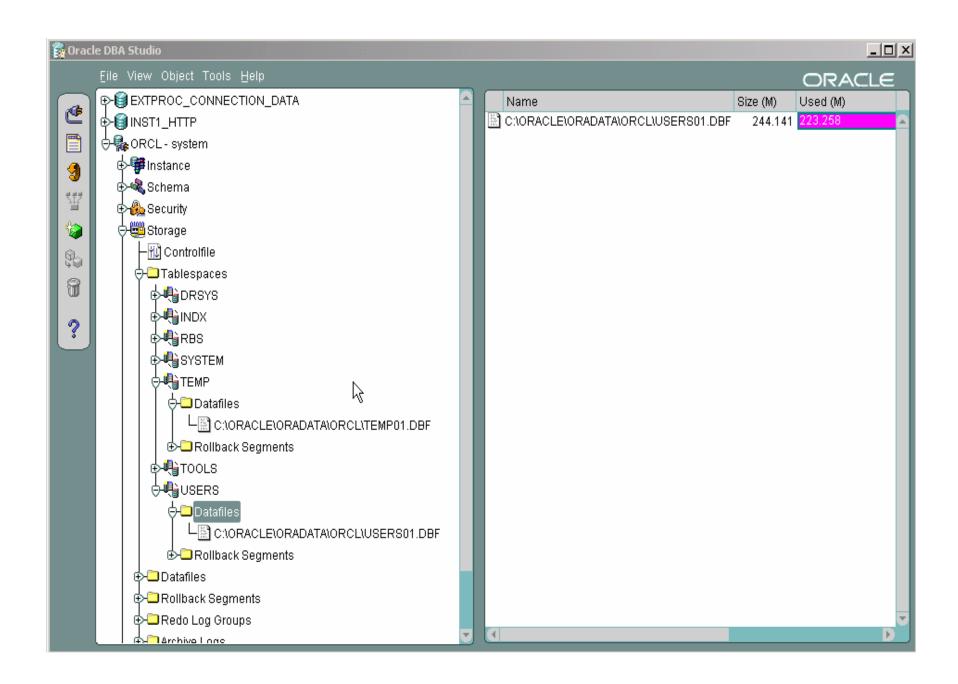


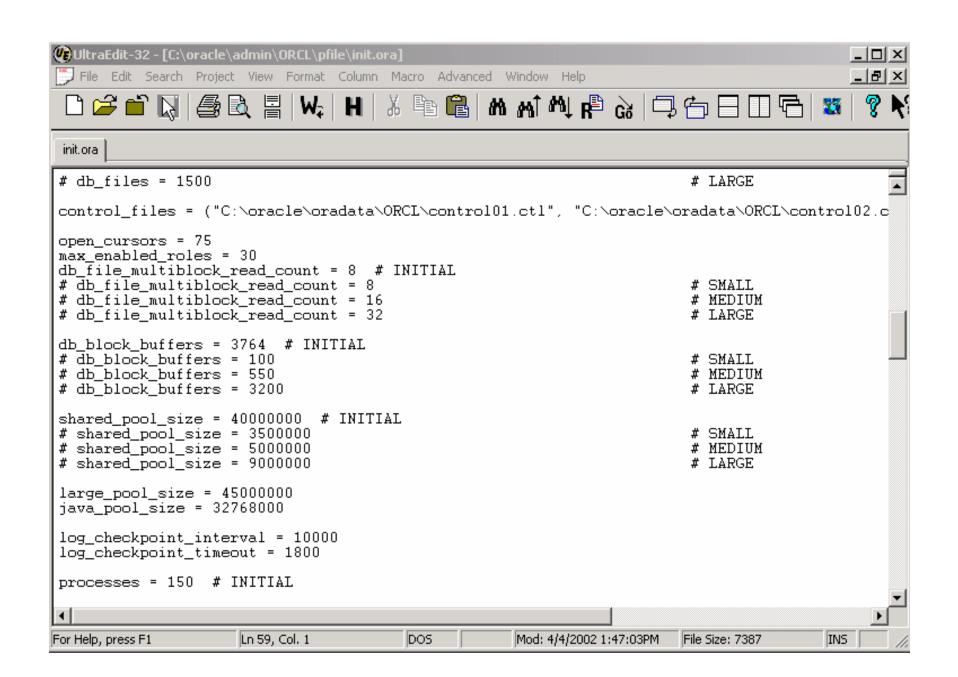
- First (Enterprise) Install
  - 9iAS 1.0.2.2.2a
  - Oracle 8.1.7.0.0
  - HTTP Server 3.19.0.0a
  - Discoverer 4i Viewer 4.1.38.16.0c
- Second Install
  - Oracle 9i Developer Suite 1.0.2.4
  - Discoverer Admin Edition 4.1.37
  - Discoverer Plus
  - Post-install patches

### Discoverer 9iAS Install -- Step 0



- 8.1.7 Release 3 Post Install recommendations
  - De-install HTTP server service
  - Modify tablespaces
    - Users old 20  $\rightarrow$  new 250
    - Temp old 20 → new 100
    - System  $xx \rightarrow new 500$
  - Modify init.ora
    - Open\_cursors = 75
    - Shared\_pool\_size = 80000000
    - Large\_pool\_size = 1228800
    - Java pool size = 3000000
- Stop and Restart OracleServiceORCL





### Discoverer 9iAS Install -- Step 1



- 9iAS Enterprise Edition installation recommendations
  - Use iSetup.exe on Disk 1, not the OUI from the 8.1.7 disk
  - Enterprise Edition requires 3115 MB
    - iSuites HTTP server\*
    - Forms Server\*
    - Reports Server\*
    - Discoverer 4i Plus
    - Discoverer 4i Viewer
    - Discoverer 4i Server
      - \*created via new Oracle homes
  - Manually modify the following:
    - httpd.conf
    - Bug #1775370

### Discoverer 9iAS Install -- Step 2



- Discoverer Admin Install \*
  - 9i Developer suite 1.0.2.4
  - XSL stylesheet settings in disco4iv.xml
    - xsl\_pool old false → new true
    - xsl\_pool\_capacity old 32000 → new 4
    - xsl\_pool\_minimum old 0 → new 2
    - xsl\_pool\_optimize\_period old 5000 → new 10000
    - \* in new 806 home created by step 1

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### **Oracle Portal Concepts**



- Oracle Portal provides the framework for creating and maintaining Enterprise Information Portals. It can be used to define business portals consisting of a number of different portlets.
- Portlets provide at-a-glance views of information from various sources both inside and outside of the corporate network.

# Oracle Portal Concepts (contd.)



- A portlet provider is an entity that provides one or more portlets that can be added to a Portal page.
- Portlet providers can be of 2 types :
  - Database Provider.
  - Web Provider Oracle9iAS Discoverer

## **Oracle Portal Integration**



- For Oracle 9iAS 1.0.2.2.2a
  - No Discoverer Portlet available
  - Build as either
    - an Item in a Folder Portlet (URL)
    - or as HTML Portlet

### Discoverer Portlets 9iAS release 2



Worksheet **Portlet:** Crosstab

List of Workbooks **Portlet** 



### Discoverer Portlets Personalization



- Allows users to use their own connection to view a given portlet.
- Allows users to specify parameter values for a worksheet portlet.
- Allows users to change portlet properties: title, workbook filter, workbook sort column.
- Renders using user's selected page style.

## Discoverer Portlets Security



- Allows portlet publisher to control the connections that authenticated and unauthenticated users should use to display data.
- Allows different Portal users to see data using different database connections, very useful for row-level security.

## Discoverer Portlets Refreshing Data



- Allows publisher to specify a rate at which portlet content should be refreshed.
- Users don't have to run a query when they access the portal.

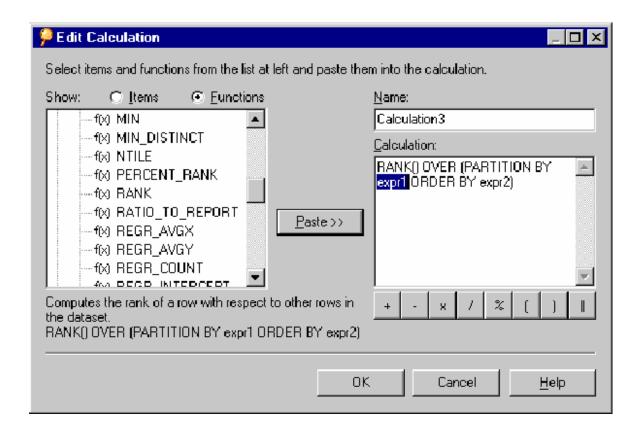
### Discoverer 4i Enhancements



- Support for 8i/9i Analytic Functions
- Support for 8i/9i materialized views
- Enhanced import/export including ability to export workbooks saved in database
- Multiple schema support
- EULs for Oracle Apps Support
- 4i Plus Applet

## SQL Analytic Support





### Discoverer 4i Viewer Customizations



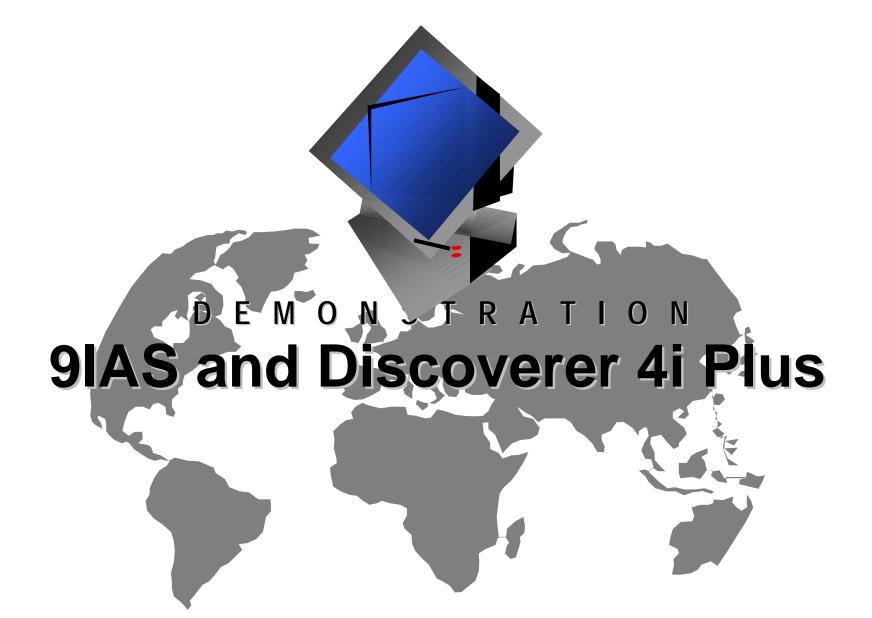
#### Four levels of customization

- User level modification
- "Look and Feel"
- Viewer Appearance
  - Logo, text color, headings, fonts, styles, links, and images
- Custom Application
  - Control of interface, knowledge of HTML and XML, modify XSL files, servlet structure

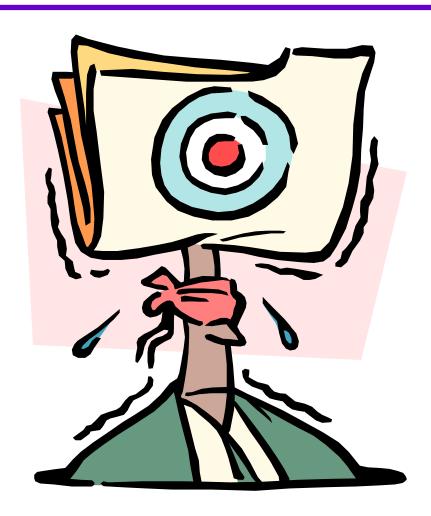
### **Discoverer 4i Limitations**



- Discoverer does not do forecasting, models, what-if analysis, write-back, or advanced custom formula ad-hoc queries.
- Discoverer works in read only batch mode
- You will need to use command line, Oracle Financial Analyzer, VSS Business Analyzer, or wait until Discoverer takes advantage of BIBeans.



## QUESTIONS?



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