

ORACLE®

9iAS and Discoverer 4i Plus

A How To Guide

Paper #30097

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- **Oracle Certified Solutions Partner and authorized software reseller**
- **Professional services company providing business solutions to international and domestic clients based on Oracle technologies.**
- **Creator of the first Oracle 9i Business Intelligence and Analytics tool.**
- **Our core competencies include certified designers, developers, and implementers**
- **Nationally recognized technical authors, speakers and publishers.**

Agenda



- **Setup and Connectivity for Discoverer 4i Plus**
- **Portal concepts**
- **Building and Executing a Query**
- **Viewlets**
- **Summary**

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)**
- **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 non-authenticated users**

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 → new 250
 - | Temp old 20 → new 100
 - Modify init.ora
 - | Open_cursors = 75
 - | Shared_pool_size = 80000000
 - | Large_pool_size = 1228800
 - | Java_pool_size = 3000000
- **Stop and Restart OracleServiceORCL**

Oracle DBA Studio

File View Object Tools Help

ORACLE

EXTPROC_CONNECTION_DATA
INST1_HTTP
ORCL - system
 Instance
 Schema
 Security
 Storage
 Controlfile
 Tablespaces
 DRSYS
 INDX
 RBS
 SYSTEM
 TEMP
 Datafiles
 C:\ORACLE\ORADATA\ORCL\TEMP01.DBF
 Rollback Segments
 TOOLS
 USERS
 Datafiles
 C:\ORACLE\ORADATA\ORCL\USERS01.DBF
 Rollback Segments
 Datafiles
 Rollback Segments
 Redo Log Groups
 Archive Log

Name	Size (M)	Used (M)
C:\ORACLE\ORADATA\ORCL\USERS01.DBF	244.141	223.258

UltraEdit-32 - [C:\oracle\admin\ORCL\pfile\init.ora]

File Edit Search Project View Format Column Macro Advanced Window Help

init.ora

```
# db_files = 1500 # LARGE

control_files = ("C:\oracle\oradata\ORCL\control01.ctl", "C:\oracle\oradata\ORCL\control02.c

open_cursors = 75
max_enabled_roles = 30
db_file_multiblock_read_count = 8 # INITIAL
# db_file_multiblock_read_count = 8 # SMALL
# db_file_multiblock_read_count = 16 # MEDIUM
# db_file_multiblock_read_count = 32 # LARGE

db_block_buffers = 3764 # INITIAL
# db_block_buffers = 100 # SMALL
# db_block_buffers = 550 # MEDIUM
# db_block_buffers = 3200 # LARGE

shared_pool_size = 40000000 # INITIAL
# shared_pool_size = 3500000 # SMALL
# shared_pool_size = 5000000 # MEDIUM
# shared_pool_size = 9000000 # LARGE

large_pool_size = 45000000
java_pool_size = 32768000

log_checkpoint_interval = 10000
log_checkpoint_timeout = 1800

processes = 150 # INITIAL
```

For Help, press F1 Ln 59, Col. 1 DOS Mod: 4/4/2002 1:47:03PM File Size: 7387 INS

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
 - 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**

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



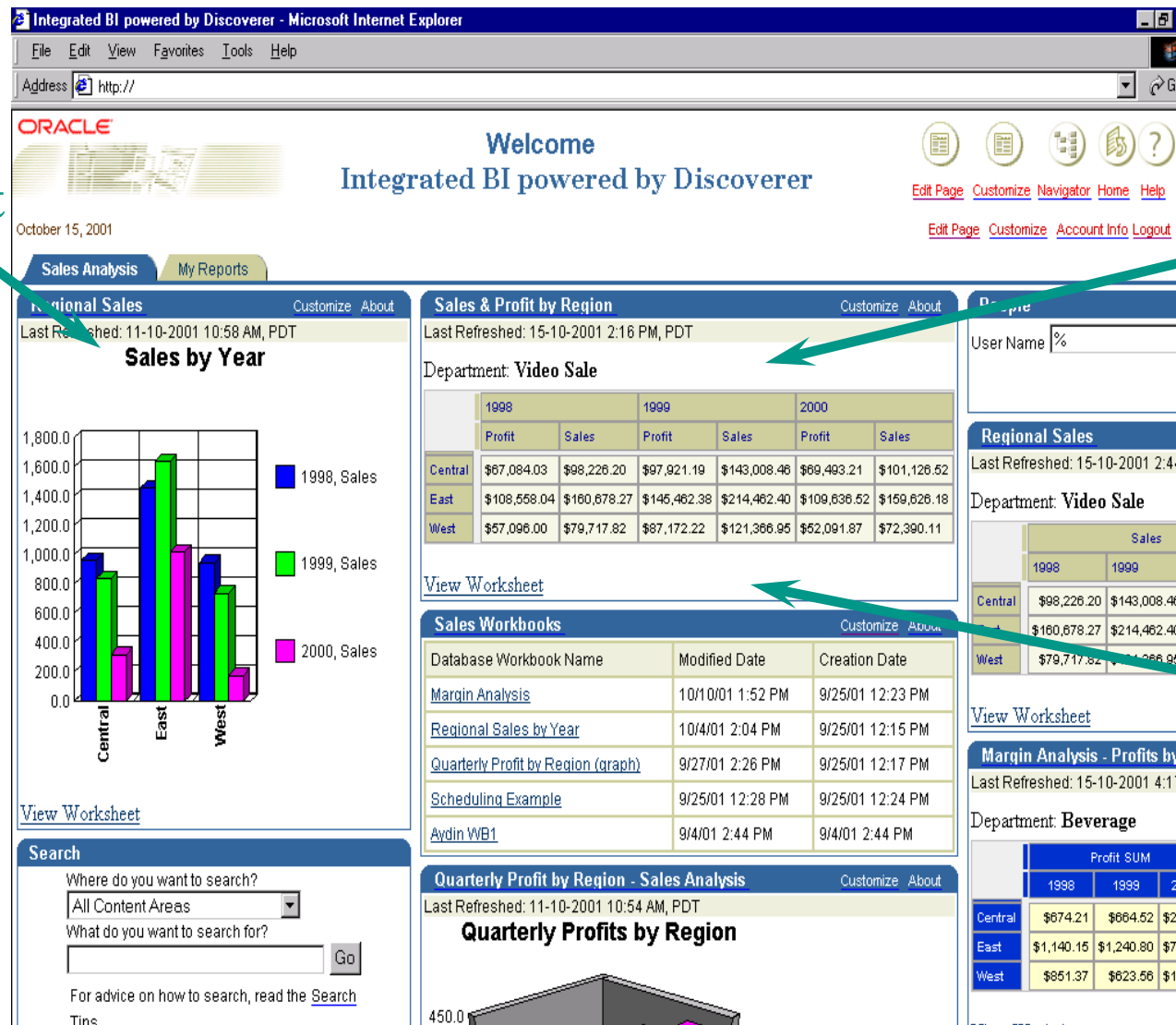
- **For Oracle 9iAS 1.0.2.2.2a**
 - **No Discoverer Portlet available**
 - **Build as either**
 - | **an Item in a Folder Portlet**
 - | **or as HTML Portlet**

Discoverer Portlets 9iAS release 2

Worksheet
Portlet:
Graph

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**

Discoverer 4i Viewer Customizations

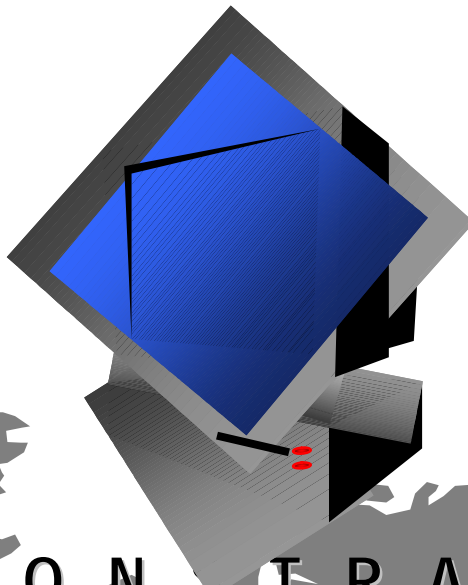


- **Four levels of customization**
 - **User level modification**
 - **“Look and Feel”**
 - **Viewer Appearance**
 - | **Logo, text color, headings, fonts, styles, links, and images**
 - **Custom Application**
 - | **Control of interface, knowledge of HTML and XML, modify XSL files, servlet structure**

Discoverer 4i Limitations



- **Discoverer does not do forecasting, what-if analysis, write-back, ad-hoc queries.**
- **You will need to use command line, OFA, VSS Business Analyzer, or wait until Discoverer takes advantage of BIBeans.**



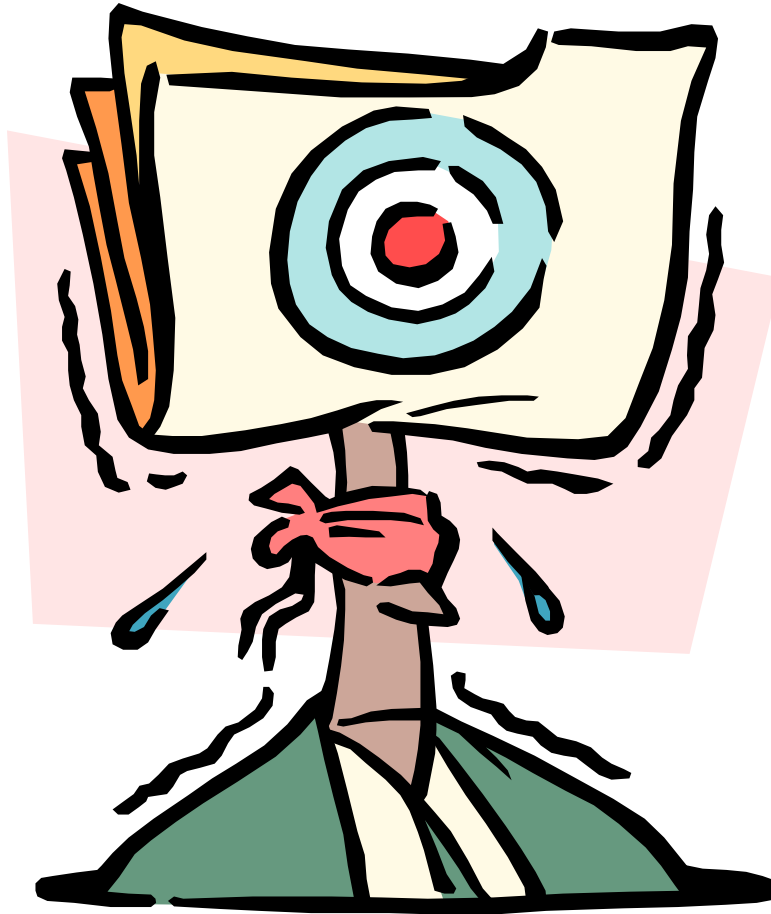
D E M O N S T R A T I O N

Discoverer Viewlets

Compliments of Aydin Gencler
Principal Product Manager
Business Intelligence Tools

Oracle Corporation

QUESTIONS?



Vlami Software Solutions, Inc.

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