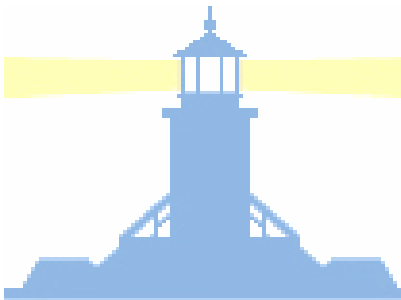


Oracle Diagnostics for Functional Users

Susan Behn





Objectives

- Gain familiarity with how to access Oracle Diagnostics and run the available tests
- Use diagnostic reports to proactively avoid problems
- Use diagnostic reports to analyze and correct issues
- Use diagnostic reports to validate setups and best practices
- Upload reports to Oracle Support





Agenda

- Navigation Paths
- Running Tests
 - Basic Tests
 - Advanced Tests/Example
 - Test Sets Example
- Setup and Administration
 - Diagnostic Test Groups
 - Security for Diagnostic Tests
 - Test Administration
 - Test Logs, Searching and Batch Processing
- Scheduling and Purging
- Examples for Functional Superusers, DBAs, Developers
- References



Navigation Paths to Diagnostics

- Oracle Applications Manager (OAM) → Diagnostics
- Oracle Diagnostics Tool Responsibility
- CRM HTML Administration Responsibility → Setup
→ Diagnostics
- http://<domain_name>/OA_HTML/jtflogin.jsp

Basic Tests

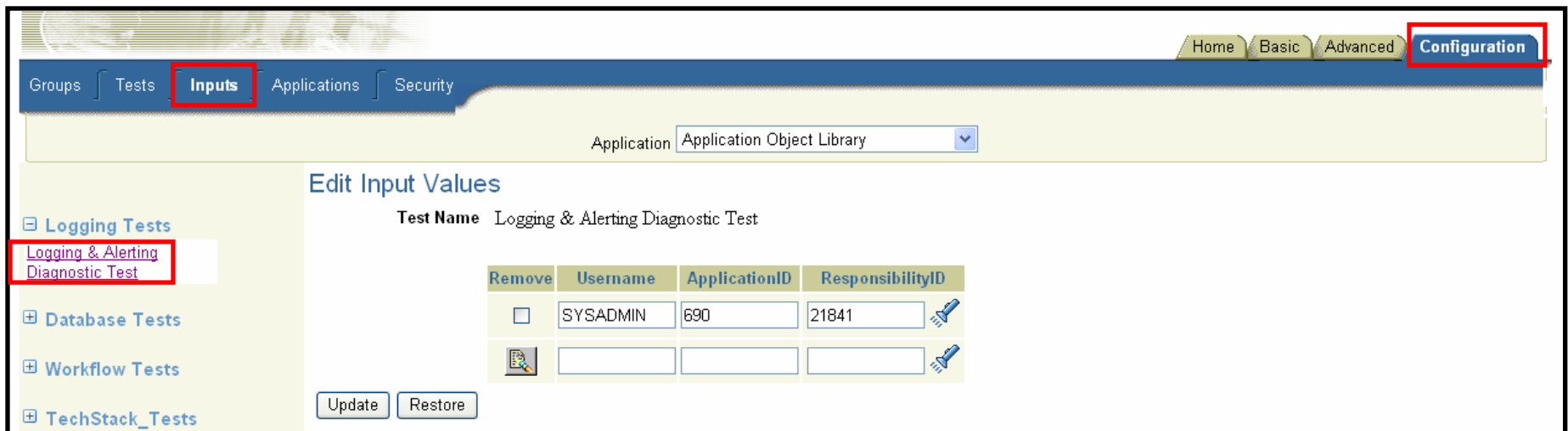
- Basic tests do not allow parameters at run time
 - Some tests require default parameters (next slide)
 - Basic tests do not exist for all applications
- Navigate to Basic Tab
- Choose Application
- *Run All Groups* to run all basic tests at one time for application
- Choose specific group to run individual tests

The screenshot shows the Oracle Diagnostics web interface. At the top left is the Oracle logo and the word "Diagnostics". On the right side of the top bar are icons for Home, Logout, and Help. Below this is a navigation menu with tabs for Home, Basic, Advanced, and Configuration. The "Basic" tab is highlighted with a red box. Below the navigation menu is a dropdown menu for "Application" currently set to "Application Object Library". On the left side, there are links for "RunAll", "EBusinessSecurity", and "Logging Tests". In the center, there is a section titled "All Groups Tests" with a "Run All Groups" button, both highlighted with red boxes.



Basic Test Seeded Input Values

- Update default input values for basic tests
- Configuration → Inputs
 - Select Test
 - Update values



The screenshot shows the Oracle Configuration interface. The 'Configuration' tab is selected in the top right. The 'Inputs' tab is selected in the top left. The 'Application' dropdown is set to 'Application Object Library'. The 'Edit Input Values' section is active, showing the 'Test Name' as 'Logging & Alerting Diagnostic Test'. A table lists the input values:

Remove	Username	ApplicationID	ResponsibilityID
<input type="checkbox"/>	SYSADMIN	690	21841

Buttons for 'Update' and 'Restore' are visible below the table. The 'Logging & Alerting Diagnostic Test' is highlighted in the left sidebar.



Basic Test Example

- Run Without Prerequisites
 - Runs all basic tests in the group

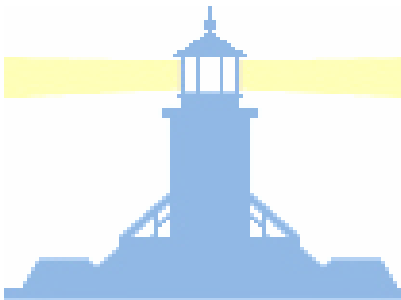
Application:

EBusinessSecurity Tests

Prerequisites:

Num	Test Name	Tested Component	Test Description
1	PLS Custom Authentication Check	Security	This test validates that the mod_plsql custom authentication setting is set to 'CUSTOM' by validating certain URLs are FORBIDDEN
2	Application Profile Options values related to ICX	Declarative Diagnostic Test	This is a declaratively constructed diagnostic test for DB setups
3	Best Practices : Database Security Tests	Declarative Diagnostic Test	This is a declaratively constructed diagnostic test for DB setups
4	Best Practices : E-Business Suite Security Tests	Declarative Diagnostic Test	This is a declaratively constructed diagnostic test for DB setups
5	Profile Option Tests for Framework Validation Modes	Declarative Diagnostic Test	This is a declaratively constructed diagnostic test for DB setups
6	TO ENSURE THAT GUEST USER HAS USERID=6	Declarative Diagnostic Test	This is a declaratively constructed diagnostic test for DB setups
7	Verification of Security Alert Patches	Declarative Diagnostic Test	This is a declaratively constructed diagnostic test for DB setups
8	Access Control Check	Declarative Diagnostic Test	This is a declaratively constructed diagnostic test for DB setups
9	Password Check - Profile Settings	Declarative Diagnostic Test	This is a declaratively constructed diagnostic test for DB setups
10	Remote Authentication - Validation	Declarative Diagnostic Test	This is a declaratively constructed diagnostic test for DB setups
11	Role Based Check	Declarative Diagnostic Test	This is a declaratively constructed diagnostic test for DB setups
12	Basic Database Check	Declarative Diagnostic Test	This is a declaratively constructed diagnostic test for DB setups
13	User Account Based Check	Declarative Diagnostic Test	This is a declaratively constructed diagnostic test for DB setups





Basic Test Results

- Results
 - Click on icon for test results

Results

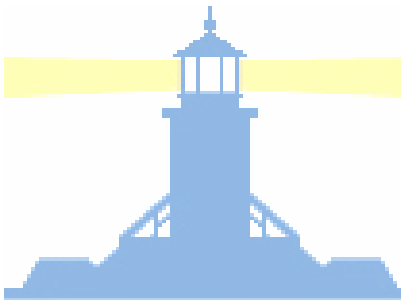
Errors occurred in test!

EBusinessSecurity

Test Name	Run#	Status	Time (mil sec)	Values	Report
PLS Custom Authentication Check	1	FAIL	1789		
Application Profile Options values related to ICX	1	FAIL	1294		
Best Practices : Database Security Tests.	1	FAIL	349		
Best Practices : E-Business Suite Security Tests	1	FAIL	422		
Profile Option Tests for Framework Validation Modes	1	FAIL	188		
TO ENSURE THAT GUEST USER HAS USERID=6	1	SUCCEED	15		
Verification of Security Alert Patches	1	FAIL	224		
Access Control Check	1	FAIL	4661		
Password Check - Profile Settings	1	FAIL	107		
Remote Authentication - Validation	1	SUCCEED	36		
Role Based Check	1	FAIL	132		
Basic Database Check	1	FAIL	58		
User Account Based Check	1	FAIL	182		

EBusinessSecurity Tests Have Some Errors





Basic Test Results

- Excerpt from Best Practices – [E-Business Suite Security Tests](#)

STEP NAME:

22: TIGHTEN LOGON AND SESSION PROFILE OPTION - SIGNON_PASSWORD_NO_REUSE.

STEP DESCRIPTION:

The profile option SIGNON_PASSWORD_NO_REUSE specifies the number of days that a user must wait before being allowed to reuse a password. Set Signon Password No Reuse to less than or equal to 180.

SQL QUERY EXECUTED:

```
select count(*) from fnd_profile_options a,fnd_profile_option_values b where a.PROFILE_OPTION_ID = b.PROFILE_OPTION_ID and upper(a.PROFILE_OPTION_NAME) = 'SIGNON_PASSWORD_NO_REUSE' and b.PROFILE_OPTION_VALUE is not NULL and lpad(b.PROFILE_OPTION_VALUE,8,'0') <= '00000180'
```

RETURNED VALUE:

0

EXPECTED RESULT:

Returned value must equal 1

ERROR MESSAGE:

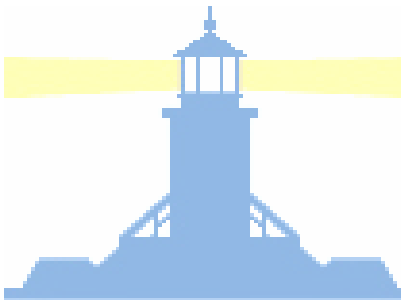
Signon Password No Reuse not set to less than or equal to 180 days at site level.

FIX INFO:

Use forms interface and log on as System Administrator and set the value of SIGNON_PASSWORD_NO_REUSE to less than or equal to 180 days.

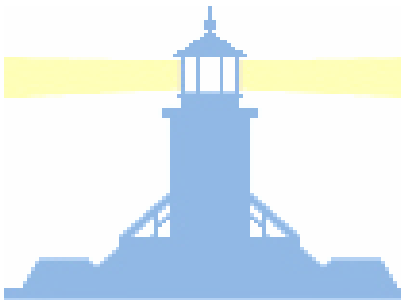
STATUS: Failed





Advanced Tests

- Navigate to *Advanced* tab
- Choose application from drop down
- Expand the group by clicking on the + next to the group name
- Select a test
 - All tests provide a brief description about the purpose of the test and details about required and optional parameters.
- Enter any parameters
- Click *Run Test* button



Advanced Tests – Example

- General Ledger → Setup → General

Application: General Ledger

Setup - General Setup

Description: This diagnostic test will collect and verify the general setup of General Ledger as outlined in the 'Setup' chapter of the General Ledger User's Guide. This diagnostic test should be used during initial implementation of General Ledger and when setup information is required.

Parameters
Responsibility ID is required.
Perform financial analyzer checks parameter is expecting a 'Yes' or 'No' value. If not entered, the default will be set to 'No'.

To resolve any issues with the execution of this test, please refer to the [Diagnostics FAQ](#).

Responsibility ID: 20434

Perform Financial Analyzer Checks:


Click + to expand

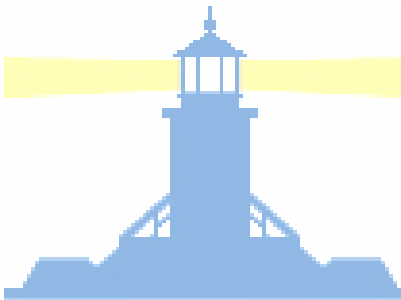
- Results will be returned to this page



Advanced Tests – Example

- Click on the [report icon](#) to view the report
 - Reports can be printed, saved or uploaded to support

Results					
▶ Test failed					
Test Name	Run#	Status	Time (mil sec)	Values	Report
▶ General Setup	1	FAIL	12018	Responsibility ID = 20434; Perform Financial Analyzer Checks = ;	



Advanced Tests – Example

General Report

Print Save Upload To Support

Current Execution

Date:2007-02-28 23:56:02.0 Time Consumed: 2892 milliseconds Status: Failed

Version Info:

oracle.apps.izu.base.diag.DBUtility 115.14
oracle.apps.izu.base.diag.DiagBase 115.18
oracle.apps.izu.base.diag.SessionHelper 115.6
oracle.apps.izu.base.diag.TextUtility 115.14
oracle.apps.izu.base.diag.YesHoLov 115.2
oracle.apps.izu.fnd.diag.FIUtility 115.25
oracle.apps.izu.general.diag.DiagnosticPackInfo 115.8
oracle.apps.izu.gl.diag.GLUtility 115.15
oracle.apps.izu.per.diag.PERUtility 115.12

Inputs:

Responsibility ID= 20434
Perform Financial Analyzer Checks= Yes
Diagnostic Test Executed By= SBFHM

Error:

1 error and 7 warnings were found.

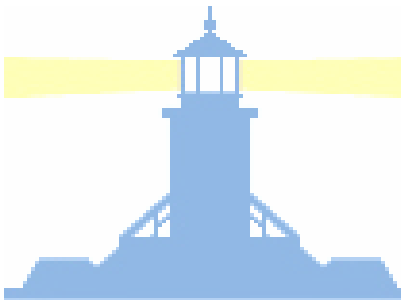
Help:

Please review the test summary for more information.

Summary:

Oracle Diagnostics Information	Product Installation Status and Patchset Level	Parameters
Key Profile Options	Set of Books ⚠	Chart of Accounts = Operations Accounting Flex (Id = 100) ✖
Accounting Calendar	Functional Currency	Budgetary Control Details
Budgets	Oracle Financial Analyzer Setup	Global Intercompany System (GIS) Details ⚠
Miscellaneous General Ledger Details ⚠	General Ledger Profile Options	FSG Profile Options
ADI Profile Options ⚠	References	





Advanced Tests – Example

- Use hyperlink to drill down to section in error
 - Error/Action provided
 - MetaLink notes to support action referenced

ERROR - There are overlapping child ranges and/or children with multiple parents

ACTION - Review the following table to identify the overlapping child ranges. For further information refer to note: [118130.1](#)

Overlapping child ranges							
Value Set Name	Rollup Group Parent	Immediate Parent	Low	High	Immediate Parent	Low	High
Progress_Object	40000	41210	41211	41299	41200	41220	41299
Progress_Object	41200	41210	41211	41299	41200	41220	41299
Progress_UK_Account	00002	44199	41000	42400	41999	42000	42002
Progress_UK_Account	00002	44400	44421	44422	44420	44421	44422
Progress_UK_Account	00200	44199	41000	42400	41999	42000	42002
Progress_UK_Account	00200	44400	44421	44422	44420	44421	44422

6 rows retrieved



Advanced Tests – Example

- Also check *References* section for each report

References [\[Top\]](#)

- Note [131471.1](#) Self Service Tool Kit for General Ledger
- Note [116495.1](#) FSG PRT Financial Statement Generator Printing
- Note [136633.1](#) General Ledger Budgets FAQ
- Note [136685.1](#) General Ledger Document Sequencing FAQ
- Note [149019.1](#) How can I define my first MRC Period?
- Note [108236.1](#) FSG Financial Statement Generator FAQ
- Note [135433.1](#) General Ledger Open/Close Period FAQ

Advanced Tests Example 2

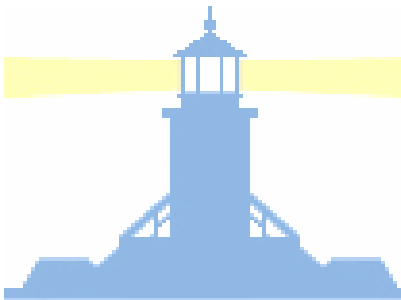
- Troubleshoot requisition approval including approvals management
 - Purchasing → Data Collectors → [PO Approval](#)

The screenshot displays the Oracle Diagnostics web interface. At the top, the Oracle logo and 'Diagnostics' title are visible. Navigation links for Home, Logout, and Help are in the top right. A breadcrumb trail shows Home > Basic > **Advanced** > Configuration. A dropdown menu for 'Application' is set to 'Purchasing'. The main content area is titled 'Data Collectors - Po Approval'. It includes a 'Description' section explaining that the test collects approval data for purchasing documents, and a 'Parameters' section listing required fields: Document Type (PURCHASE), Document Number (5641), and Release Number. A 'Run Test' button is located at the bottom of the parameter section. A left-hand navigation pane lists various diagnostic categories, with 'Data Collectors' expanded to show 'Po Approval' as the selected item.

Generate Test Sets

- Generate new test sets for cycle tests
- Example – create a test set of period close reports for all licensed applications at your site

The screenshot shows the Oracle Test Sets interface. At the top, there are navigation tabs: Home (circled in red), Basic, Advanced, and Configuration. Below the tabs is a breadcrumb trail: Summary > LogViewer > Search > Batch Process > Test Sets. The main content area has a dropdown menu for 'Application' set to 'HTML Platform'. Under the 'Test Sets' heading, there is a 'Description' section. Below that, the 'Upload and Run Test Set' section contains a 'Test Set' input field, a 'Browse...' button, and an 'Upload and Run' button. A link labeled 'Generate Test Set' is circled in red. Below this is the 'Search Predefined Test Sets' section, which includes a search box and a 'Search' button.



Generate Test Sets

- Check the applications for the tests to be executed in the test set

Home Basic Advanced Configuration

Summary LogViewer Search Batch Process Test Sets

Application HTML Platform

Batch Processing

Description: Select the applications in which you want to execute the tests.

Select	Application Name
<input type="checkbox"/>	HTML Platform
<input type="checkbox"/>	Advanced Pricing
<input type="checkbox"/>	Alert
<input type="checkbox"/>	Application Object Library
<input type="checkbox"/>	Applications DBA
<input checked="" type="checkbox"/>	Assets
<input type="checkbox"/>	CRM Foundation
<input type="checkbox"/>	Cash Management
<input type="checkbox"/>	Collections
<input type="checkbox"/>	Contracts Core

Selected applications include:

- Assets
- General Ledger
- Payables

Generate Test Sets

- For each application selected, choose the tests to be executed and click the *Continue* button

Home Basic Advanced Configuration

Summary LogViewer Search Batch Process Test Sets

Application HTML Platform

Batch Processing

Description: Select the tests you want to execute.

Assets

Setup

General

Activity

Account Generator

Mass Addition

Period Closing

Data Collection

RXi Report

Continue

Generate Test Sets

- For each test selected, provide the static parameters (e.g. Responsibility)

The screenshot shows the Oracle Batch Processing Test Sets configuration page. The page is titled "Batch Processing" and has a navigation bar with "Home", "Basic", "Advanced", and "Configuration" tabs. The "Batch Process" tab is selected. The "Application" dropdown is set to "HTML Platform".

Description: Please enter the parameters for selected tests.

Assets
Activity-Period Closing

Responsibility ID	50555		
Asset Book			
Period Name			
Check Multiple Active Book Records	Yes		

General Ledger
Activity-Period Closing

Responsibility ID	20434		
Period Name			

Payables
Activity-Period Closing

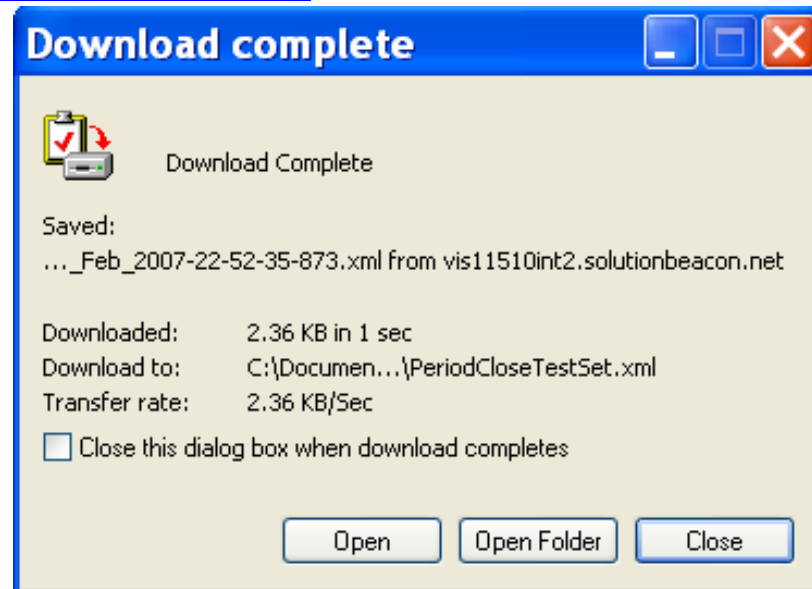
Responsibility ID	20639		
Period Name			

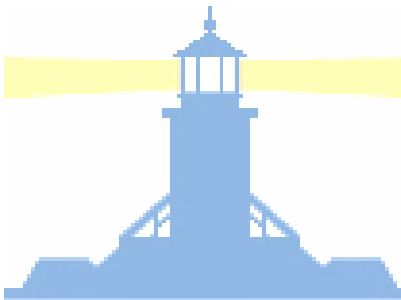
Buttons: Run Tests, Save Test Set



Generate Test Sets

- Save the test set to be used again via the batch process using the *Save Test Set* button
 - The test set is saved in a local directory
 - Choose a meaningful name for the test set
 - Create [XML Test set](#)





Generate Test Sets

- Enter the remaining runtime parameters, then execute the test using the *Run Tests* button

Description: Please enter the parameters for selected tests.

Assets
Activity-Period Closing

Responsibility ID

Asset Book

Period Name

Check Multiple Active Book Records

General Ledger
Activity-Period Closing

Responsibility ID

Period Name

Payables
Activity-Period Closing

Responsibility ID

Period Name





Generate Test Sets

- Page will continue to refresh until entire test set completes

Batch Processing

Description: Please review the test results.

Log Files Summary

Application Name	Group Name	Test Name	Status	Execution Date	Time(mil sec)	Details	Save
Assets	Depreciation	Period Closing	Succeeded	Thu Jul 19 16:33:12 CDT 2007	8541		
General Ledger	Period	Period Closing	Failed	Thu Jul 19 16:34:12 CDT 2007	67901		
Payables	Accounting	Period Closing	Succeeded	Thu Jul 19 16:33:23 CDT 2007	19290		

[View All Reports](#) [Save All Reports](#) [Upload to Support](#)



Generate Test Sets

- General Ledger

- Error – Journals must be posted to close the period
- Warning – Recurring batches have not been processed

ERROR - There are Journals which have yet to be posted
ACTION - Please use Journal Post program to post the following journals before attempting to close this period

Batch Name	Batch Id	Batch Period	Batch Status	Approval Status Code	Journal Header Name	Journal Header Period	Journal Header Status
test approval 1	117684	Apr-06	Unposted	Approved	test approval 1	Apr-06	Unposted
test approval 2	118684	Apr-06	Unposted	Approved	test approval 2	Apr-06	Unposted
AR 41500 Receivables 2632970: A 41500	117100	Dec-03	Unposted	N/A	Trade Receipts USD	Dec-03	Unposted
AR 41500 Receivables 2632970: A 41500	117100	Dec-03	Unposted	N/A	Sales Invoices USD	Dec-03	Unposted
AR 41500 Receivables 2632970: A 41500	117100	Dec-03	Unposted	N/A	Credit Memos USD	Dec-03	Unposted
Monthly 07-AUG-2002 16:24:33	47976	Dec-02	Invalid or no JE lines	N/A	Monthly	Dec-02	Z

6 rows retrieved

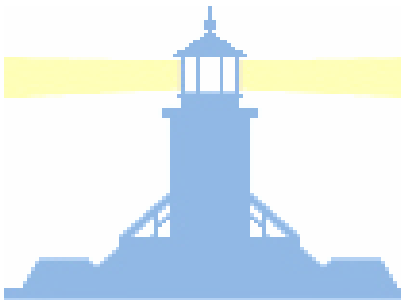
- There are no journals to be reversed in the next period 'Mar-07'

WARNING - Some Recurring batches have not yet been processed for this month
ACTION - Please review the following recurring batches and process if appropriate

Recurring Batch Name	Last Executed Period Name
Recurring Expenses Journal	Dec-98
Eliminate Intercompany Profit	Feb-98
Departmental Expense Journal	Dec-02
Recurring Rent Re-Allocation	Feb-02
Monthly Consulting Revenue	Sep-00
Revenue - Vision Master (01)	May-02
Utility Expense Allocation	Jan-99
Variable Costs - Vision Master	Feb-02
Stat Entries for Allocation	Dec-02
DBI COGS Adjustment	Dec-03

10 rows retrieved





Generate Test Sets

- Payables

- Unaccounted transactions must be accounted
- Note the hyperlink to *See SQL* – this can further assist the support team in resolving problems

ERROR - There are 45 unaccounted rows in AP_INVOICE_DISTRIBUTIONS_ALL (Org Id = 204). All these invoice distribution lines must be accounted and transferred to GL before period 'Feb-07' can be closed.

ACTION - Run the 'Accounting Process' to create accounting entries. Next, run 'Transfer to GL' to transfer these accounting entries to GL.

Unaccounted Payments [\[Top\]](#)

- There are no unaccounted payments
- [See SQL](#) ←


Unaccounted Payment History [\[Top\]](#)

AP_PAYMENT_HISTORY_ALL										
Organization ID	Payment History ID	Accounting Date	Posted Flag	Transaction Type	Check ID	Check Number	Check Supplier ID	Check Supplier Name	Check Amount	Check Date
204	19997	26-FEB-2007	N	PAYMENT CLEARING	21471	101	21	Advanced Network Devices	11685.25	21-FEB-2003

1 row retrieved

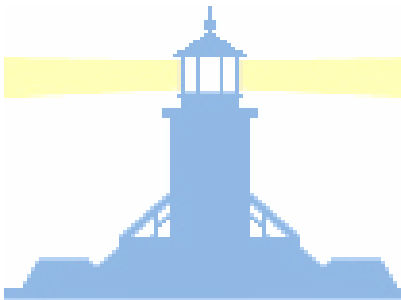
- [See SQL](#)





Diagnostic Test Groups

- End User Applications (e.g. General Ledger)
 - Setup – Tests to Validate Application Setups
 - Activity (e.g. Period Closing Tests)
 - Invalid account segments preventing posting
 - Period statuses
 - Invalid preferences (e.g. email delivery preference with no email address)
 - Data Collection – Application and System Data
 - Validate conversions and upgrades
 - Identify integrity issues
- Other Groups (e.g. Application Object Library)
 - Workflow Tests/Mailer Tests
 - Security
 - Database Tests
 - XML Gateway Tests
- Customization/Extension Tests – Develop custom tests



Diagnostics Catalog

- See MetaLink Note 179661.1 to view the entire catalog and for links to other diagnostic documents

METALINK

Headlines **Knowledge** Service Request Configuration Support Manager Patches & Updates Forums Certify

Knowledge Browser **Advanced Search** Bug Search Secure Enterprise Search

[Quick Find](#) Knowledge Base [Secure Enterprise Search](#) [Advanced](#) [Saved Searches](#)

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[TIP](#): Click [help](#) for a detailed explanation of this page. [Bookmark](#) [Go to End](#)

Subject: **eBusiness Support Diagnostics Test Catalog for 11i**
Doc ID: [Note:179661.1](#) Type: **DIAGNOSTIC TOOLS**
Last Revision Date: **11-JUL-2007** Status: **PUBLISHED**

eBusiness Suite Support - Diagnostic Tools 11i

Support Diagnostics Reference Menu

Overview	Installation Guide	FAQ	Training	R12 Catalog	11i Catalog	Metalink Forum	Submit Feedback
--------------------------	------------------------------------	---------------------	--------------------------	-----------------------------	-----------------------------	--------------------------------	---------------------------------





Diagnostic Catalog – Page 1


Release 11.5 Diagnostics

Applications Core Technology	Distribution/Supply Chain	Financials
<ul style="list-style-type: none">• Alert• Application ObjectLibrary• Applications DBA• XML Gateway	<ul style="list-style-type: none">• Configurator• Inventory• Warehouse Management• OM Suite (Order Management)• Procurement (Purchasing)• Release Management• Shipping• Advanced Pricing	<ul style="list-style-type: none">• Assets• Cash Management• Collections• General Ledger• Global Accounting Engine• Internal Controls Manager• Payables• Receivables
Human Resource Management Systems	Manufacturing	Projects Suite
<ul style="list-style-type: none">• Advanced Benefits• Time and Labor• Human Resources• iRecruitment	<ul style="list-style-type: none">• Advanced Supply Chain Planning• Bill Of Materials• Cost Management• e-Commerce Gateway• Enterprise Asset Management• Process Manufacturing• Work in Process	<ul style="list-style-type: none">• Project Foundation• Project Billing• Project Costing• Project Intelligence• Project Management







Diagnostic Catalog – Drill Down

- Click on the  icon or the Revised link for detailed instructions and FAQs for a specific report

Oracle Assets

Title	Current Release	November 2006 Release	Command Line Diagnostic	Last Updated
Setup				
General		⊕		23-May-07
Assets				
Account Generator				15-Oct-04
Account Generator	<u>Revised</u>	⊕		23-May-07
Depreciation				
Period Closing	<u>Revised</u>	⊕		23-May-07
Mass Additions				
Mass Addition Data	<u>Revised</u>	⊕		23-May-07
RXi				
Report Data	<u>Revised</u>	⊕		23-May-07



Diagnostic Catalog – Drill Down

Oracle Assets (OFA): Period Closing Activity Diagnostic Test

Usage Quick Reference

Diagnostics Tab
Advanced

Application Name
Oracle Assets

Test Group
Depreciation

Test Name
Period Closing

Description

This diagnostic test will analyze the depreciation status of a given book for a given period.

Run this test to verify or troubleshoot depreciation issues. If the period is closed the test will check if all transactions in this book and period have been posted to General Ledger. If the period is open the test will analyze data in this book and period for known issues that cause depreciation to fail. Integrity of the data related to this book and period is checked in both cases. The depreciation status of corresponding reporting books will also be analyzed.

Error and warning messages, followed by suggested actions, identify possible problem areas.

Details

Input (* required)

- Responsibility Id (LOV) *
- Asset Book (LOV) *
- Period Name (LOV) *
- Check Multiple Active Book Records (LOV)

Output

- Product Installation Status and Patchset Level
- Key Profile Options
- System Controls
- Primary Asset Book
- Depreciation Calendar Period
- Data Integrity Analysis
- Depreciation Status of Primary Book
- Reporting Asset Books
- Depreciation Status of Reporting Book - Set of books



Security for Diagnostics

- Security by Responsibility
 - Valid Responsibility required to run test for application
 - General Ledger responsibility required for GL Tests
 - System Administrator responsibility required for AOL Tests
- Security by Role
 - Sensitivity established by developer of test (Low, Medium, High)
 - See sensitivity @ Configuration → Groups
 - Assign responsibility to role @ Configuration → Security

Diagnostics Role Name	Description
Super User	Can execute, configure, view reports and setup security for all groups of all applications
Application Super User	Can execute, configure inputs and view reports for all groups of its application. Can execute, configure inputs and view reports for groups of low sensitivity of other applications
Application End User	Can execute, configure inputs and view reports for groups of low sensitivity of all applications

Security for Diagnostics – Roles

- Assign Responsibility to Role

The screenshot shows the Oracle Security configuration interface. The top navigation bar includes 'Home', 'Basic', 'Advanced', and 'Configuration' (circled in red). Below this, the 'Security' tab is selected and circled in red. The 'Application' dropdown is set to 'HTML Platform'. The main heading, 'Application Super User Role Responsibility Assignment', is circled in red. A description explains that administrators can manage responsibility assignments for the Application Super User Diagnostic Role. The 'Super User for Application' dropdown is set to 'General Ledger'. The interface features two lists: 'Available Responsibilities' and 'Selected Responsibilities' (circled in red). The 'Available Responsibilities' list includes roles like 'General Ledger Restricted (Ops)', 'General Ledger Super User (Process Operations)', and 'General Ledger Super User Germany'. The 'Selected Responsibilities' list contains 'General Ledger Super User'. Navigation buttons '>>', '>', '<', and '<<' are positioned between the lists. At the bottom, there are 'Back', 'Save', and 'Restore' buttons.

Test Group Security and Administration

- Configuration → Groups
- Most test groups set to Low by default (Groups below were changed for demo purposes)

Groups Administration

Remove	Sequence	Group Name	Number of Tests	Sensitivity
<input type="checkbox"/>	1	Setup	2	Medium
<input type="checkbox"/>	2	Activity	5	High
<input type="checkbox"/>	3	Data Collection	2	Low

TIP

- High: Super User and Application Super User Role for General Ledger can execute and setup input values for tests in this group
- Medium: Super User and Application Super User Roles can execute and setup input values for tests in this group
- Low: Super User, Application Super User, and End User roles can execute and setup input values for tests in this group

Buttons: Create, Update, Restore

Tests Administration

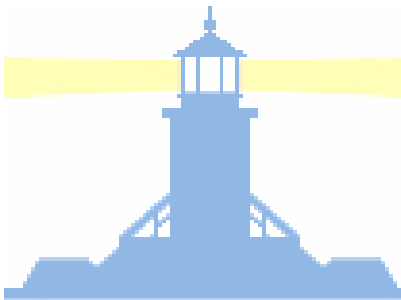
- Configuration → Tests (Drill Down from Group hyperlink on previous slide)
 - Add/Delete Tests, Create New Tests, Add Alerts

The screenshot shows the Oracle Diagnostics Tests Administration page. The 'Tests' tab is selected and circled in red. A 'Create' button is highlighted with a red box and labeled 'Create New Test'. A table of tests is shown with a red box and arrow pointing to the 'Remove' column, labeled 'Delete Test'. Another red box and arrow point to the 'Alert Information' column, labeled 'Add/Update Alerts'. The table contains the following data:

Remove	Sequence	Name	Class Name	Alert Information
<input type="checkbox"/>	1	Code Combination	oracle.apps.izu.gl.diag.GLCCIDDiag	
<input type="checkbox"/>	2	Duplicate Rows	oracle.apps.izu.gl.diag.GLDuplicatesDiag	
<input type="checkbox"/>	3	Journal	oracle.apps.izu.gl.diag.GLJournalDiag	
<input type="checkbox"/>	4	Misclassified Accounts	oracle.apps.izu.gl.diag.GLMisclassAccountsDiag	
<input type="checkbox"/>	5	Period Closing	oracle.apps.izu.gl.diag.GLClosing	

Below the table, there are three tips and two buttons: 'Update' and 'Restore'.

- TIP Hyperlinked tests are declarative tests and contain sub tests
- TIP A colored 'Alert Information' icon indicates that the test has alert information defined.
- TIP Click on the 'Alert Information' icon to configure the alert information for the test



Diagnostics Home Page

- # of tests is a hyperlink to the tests
- Drop down list of values displays tests
- Failures for the past week are shown

Summary LogViewer Search Batch Process Test Sets

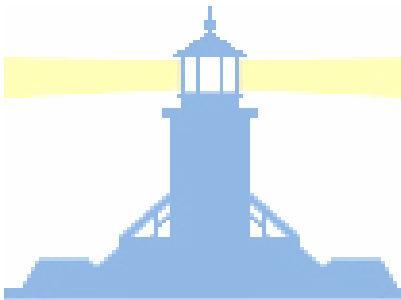
Application: Application Object Library

Diagnostics Summary

Description: This is a summary of all the registered tests for each application. Tests in the basic mode run with default input values, and in advanced mode prompt the user for input values.

Test Summary		Failures in Past Week			
Application	Registered Tests	Application	Group	Test	Date
HTML Platform	9	Application Object Library	EBusinessSecurity	Access Control Check	2007-04-25 23:02:58.0
Advanced Pricing	3	Application Object Library	EBusinessSecurity	Application Profile Options values related to ICX	2007-04-25 23:02:54.0
Advanced Supply Chain Planning	1	Application Object Library	EBusinessSecurity	Basic Database Check	2007-04-25 23:03:00.0
Alert	1	Application Object Library	EBusinessSecurity	Best Practices : Database Security Tests.	2007-04-25 23:02:55.0
Application Object Library	92	Application Object Library	EBusinessSecurity	Best Practices : E-Business Suite Security Tests	2007-04-25 23:02:55.0
Applications DBA	12	Application Object Library	EBusinessSecurity	Password Check - Profile Settings	2007-04-25 23:02:59.0
Assets	5	Application Object Library	EBusinessSecurity	Profile Option Tests for Framework Validation Modes	2007-04-25 23:02:56.0
Bills of Material	10	Application Object Library	EBusinessSecurity	Role Based Check	2007-04-25 23:02:59.0
CRM Foundation	41	Application Object Library	EBusinessSecurity	User Account Based Check	2007-04-25 23:03:01.0





Home → LogViewer

- Use LogViewer to search and view previously executed reports

The screenshot shows the LogViewer interface with the following elements:

- Navigation tabs: Summary, **LogViewer** (circled in red), Search, Batch Process, Test Sets.
- Application: Application Object Library
- Section: Diagnostics LogViewer
- Description: This is a summary of the history of log records generated during diagnostics. The data can be filtered by different options.
- LogViewer Filter Criteria:
 - * From: 2007-05-02
 - * To: 2007-05-03
 - Application Name: Application Object Library
 - Status: Successes (annotated with a red box and arrow: "Search successes, failures, warnings")
 - Group Name: All Groups
 - Test Class Name: All Tests
 - Buttons: Search Log Records, Reset
 - * From date should be prior to the To date
- Section: Summary of Logs
- Table with columns: Select, Application Name, Group Name, Test Class Name, Total Runs, Successes, Warnings, Failures.
- Buttons: Details, Delete

Annotations:

- Red box: "Search successes, failures, warnings" with an arrow pointing to the Status dropdown.
- Red box: "Hyperlink to report" with an arrow pointing to the Successes column in the table.



Home → Search

- Search for test names or keywords by application or for all applications

Search

Description: Finds diagnostic tests based on the test names or predefined keywords. Predefined keywords are shipped by product teams for their tests. For search results, you can select the test(s) to run.

Application: Application Object Library

Search: APPROVE

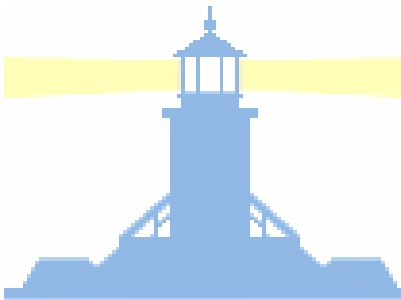
all applications (Note - May take longer to search)
 test names
 predefined keywords

Find Tests

Matching Tests In All Application

<input type="checkbox"/>	Application Name	Group Name	Test Name	Metalink Note	Description	Usage
<input type="checkbox"/>	Marketing	Setup	List Management	371096.1	This test verifies list management setup.	Use this test to check the list management setup of a particular list is complete and correct. This test should be executed also in case of a list management issue which can be caused by wrong or missing setup. Parameters: List Header Id is required
<input type="checkbox"/>	Public Sector Financials International	Check Setup	Exchange Protocol	248711.1	This diagnostic test will collect and verify the general setup for Exchange Protocol as outlined in the Public Sector Financials (International) Users Guide.	This diagnostic test should be used during initial implementation of Exchange Protocol and when setup information is required.
<input type="checkbox"/>	Self-Service Web Applications	Activity	Requisition Approval Workflow Status	224583.1	This diagnostic test will check the approval workflow status of a requisition created in iProcurement.	This test can be used proactively and reactively to check the approval workflow status of a requisition that originates from iProcurement.

Run Tests



Home → Batch Processing

- Run multiple tests through batch processing

The screenshot shows the Oracle Batch Processing web interface. At the top, there is a navigation bar with tabs for 'Home', 'Basic', 'Advanced', and 'Configuration'. Below this is a secondary navigation bar with links for 'Summary', 'LogViewer', 'Search', 'Batch Process' (highlighted with a red circle), and 'Test Sets'. The main content area is titled 'Batch Processing' and includes a dropdown menu for 'Application' set to 'HTML Platform'. A 'Description' section states: 'Please enter the parameters for selected tests.' There are two sections for configuring parameters:

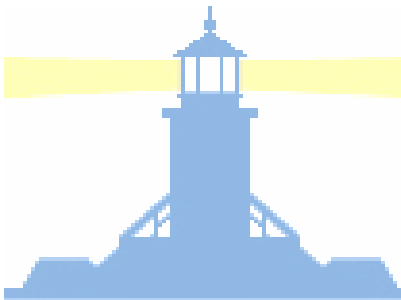
- Assets**
Activity-Period Closing
 - Responsibility ID: 50555
 - Asset Book: ADB STATE
 - Period Name: Nov-95
 - Check Multiple Active Book Records: Yes
- General Ledger**
Activity-Period Closing
 - Responsibility ID: 20434
 - Period Name: Nov-95



Home → Test Sets

- Execute existing test sets periodically
- Search for tests
 - Navigate to Home → Test Sets
 - Click the *Search* button

















A screenshot of a web application interface for 'Test Sets'. The top navigation bar includes 'Home', 'Basic', 'Advanced', and 'Configuration', with 'Home' circled in red. Below the navigation bar is a menu with 'Summary', 'LogViewer', 'Search', 'Batch Process', and 'Test Sets', where 'Test Sets' is circled in red. The main content area has a dropdown menu for 'Application' set to 'HTML Platform'. The title 'Test Sets' is followed by a description: 'Diagnostic Test Sets are XML files containing the definition of multiple Diagnostic tests. Test Sets can be downloaded from Metalink, shipped by Product Teams, or generated from "Batch Process" page.' Below this is a section 'Upload and Run Test Set' with a 'Test Set' input field, a 'Browse...' button, and an 'Upload and Run' button. A link 'Generate Test Set' is also present. The next section is 'Search Predefined Test Sets' with a note: 'Predefined Test Sets can be shipped by a variety of Product Teams. Note: leaving the search text box empty will return all Test Sets.' At the bottom, there is a search bar with the text 'Set Name, Description or Usage Contains' and a 'Search' button circled in red.



Seeded Test Sets

- Click the [View](#) icon to see XML code
- Click the *Run* icon to run the test set
- Click the *Reference* link for the MetaLink note

Predefined Test Sets: Search Result

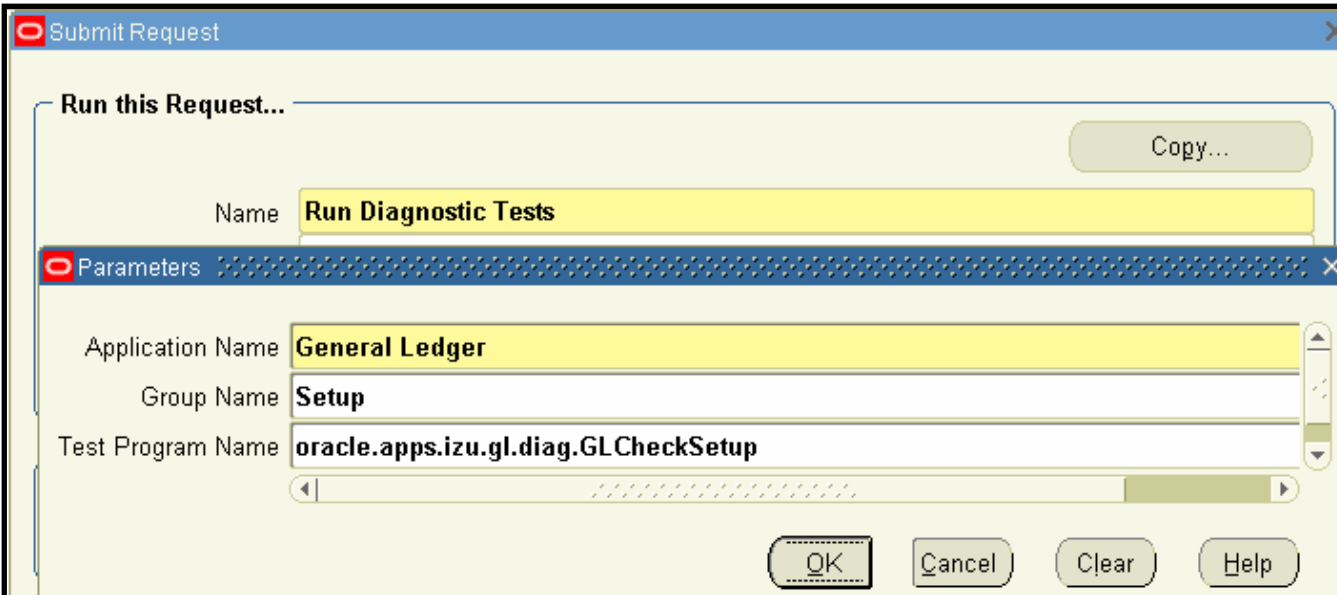
View	Run	Set Name	Description	Reference	Usage	Version
		IZU_AP_1099	Oracle Payables 1099 Processing Test Set	390789.1	Provide the output from this test set to Oracle Support to troubleshoot 1099 Processing issues within Oracle Payables.	115.6
		IZU_AP_ACCTNG	Oracle Payables Accounting 11i Test Set	390790.1	Provide the output from this test set to Oracle Support to troubleshoot Accounting 11i issues within Oracle Payables.	115.6
		IZU_AP_BANKSETUP	Oracle Payables Bank Setup Test Set	390792.1	Provide the output from this test set to Oracle Support to troubleshoot Bank Setup issues within Oracle Payables.	115.6
		IZU_AP_GLBACCTNG	Oracle Payables Global Accounting Test Set	390791.1	Provide the output from this test set to Oracle Support to troubleshoot Global Accounting issues within Oracle Payables.	115.6
		IZU_AP_INTRNTEXP	Oracle Payables Internet Expense Test Set	390793.1	Provide the output from this test set to Oracle Support to troubleshoot Internet Expense issues within Oracle Payables.	115.6
		IZU_AR_RECPTWKB	Oracle Receivables Receipt Workbench Test Set	390794.1	Provide the output from this test set to Oracle Support to troubleshoot Receipt Workbench issues within Oracle Receivables.	115.6
		IZU_AR_TRNSWKB	Oracle Receivables Transaction Workbench Test Set	390797.1	Provide the output from this test set to Oracle Support to troubleshoot Transaction Workbench issues within Oracle Receivables.	115.6
		IZU_WMS	Oracle Warehouse Management System Test Set	390798.1	Provide the output from this test set to Oracle Support to troubleshoot Warehouse Management System issues within Oracle Receivables.	115.7





Scheduling Diagnostic Reports

- Apply patch 5495057 (MetaLink note 395060.1)
- Submit Concurrent Request *Run Diagnostic Tests*
- No test parameters allowed at run time
 - Enter default parameters at Configuration → Inputs



Submit Request

Run this Request... Copy...

Name **Run Diagnostic Tests**

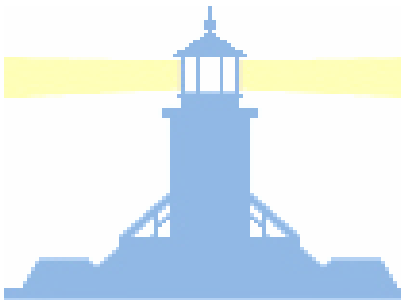
Parameters

Application Name **General Ledger**

Group Name **Setup**

Test Program Name **oracle.apps.izu.gl.diag.GLCheckSetup**

OK Cancel Clear Help



Purging Diagnostic Data

- Concurrent request *Delete Diagnostic Logs*
 - Deletes log and test data
 - Schedule to purge at least every 30 days
 - Parameters
 - Days Expire – age of log files to be deleted
 - Apps Shortname – application to delete logs
- Concurrent request *Delete Diagnostic Statistics*
 - Deletes statistical data
 - Keep 30 days minimum



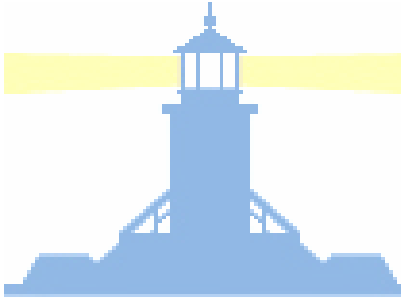
Examples for Superusers

- Use period close reports to anticipate activities that could delay closing
- Setup – Flexfield (Descriptive) and (KEY)
 - Validates setups/consistencies for specific DFF or KFF
- Workflow
 - Use account generator and approval tests for troubleshooting
 - Use Workflow Status and Purgeable items to keep workflow clean
- Payables Trial Balance – Troubleshoot out of balance issues with the payables trial balance



Examples for DBAs

- Become familiar with all reports in AOL and Applications DBA
- Run key security reports monthly
 - [Best Practices: Database Security Tests](#)
 - Reports passwords still set to installation default values
 - [Best Practices: E-Business Security Tests](#)
 - Compares settings to Oracle Best Practices white paper
 - [Verification of Security Alert Patches](#)
 - Reports security patches that should be applied
- Setup – Concurrent Manager
 - Validates tables, objects, profile options and more
- Use workflow tests to troubleshoot mailer and other issues



Examples for Developers

- Use data collection reports to validate data conversions
- Workflow
 - [Workflow Definition](#) – Reports data about a specific workflow– processes, attributes, notifications, etc.
- Interfaces
 - [Purchasing Documents Open Interface](#) – verifies data in open interface table
 - [Requisition Import](#) – verifies data for requisitions
 - [Open Interface Invoice](#) – verifies data in payables open interface



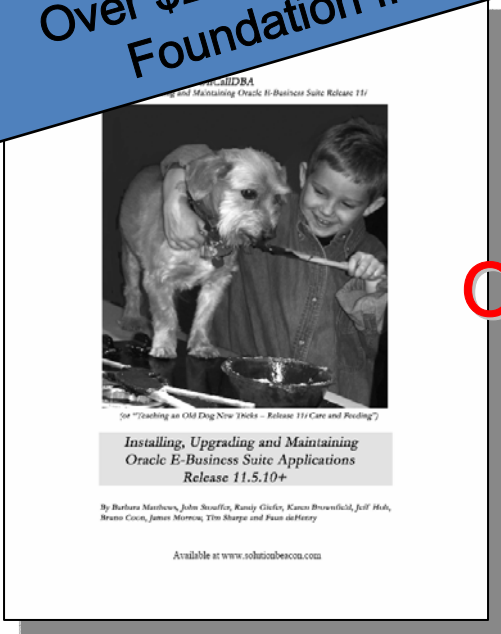
References

- How to download support diagnostic tools
 - The latest version of currently available support diagnostic tools can be downloaded from the [MetaLink Doc ID: 167000.1](#)
- How to install support diagnostic tools
 - Installation instructions are available in the [MetaLink Doc ID: 167000.1](#) and in step-by-step demos and on-line training available in the [MetaLink Doc ID: 232116.1](#)
- How to execute support diagnostic tools
 - Execution instructions can be available in the [MetaLink Doc ID: 167000.1](#) and in step-by-step demos and on-line training available in the [MetaLink Doc ID: 232116.1](#)
- Oracle Applications Supportability Guide



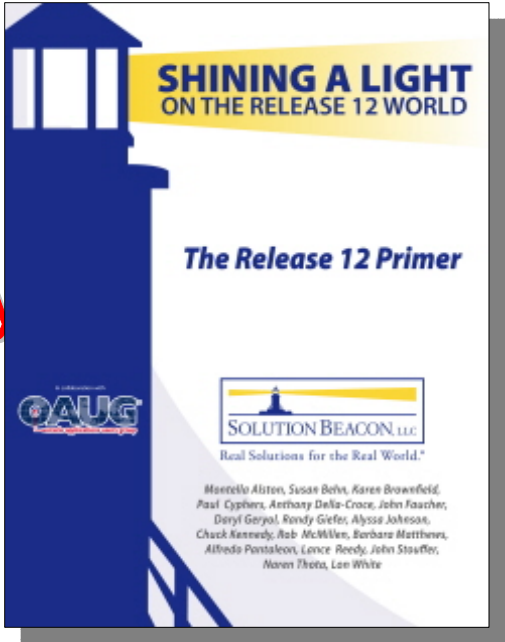
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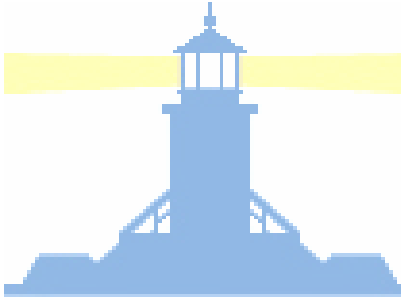
Registration Early Bird Deadline

March 13, 2008

Exhibitor Showcase Sales

Now open

For additional information and to register visit
<http://oaug.collaborate08.com>



Questions and Answers

Thank You!

Susan Behn

sbehn@solutionbeacon.com

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