

So Many Choices: Choosing the Right Business Intelligence Reporting Tool for Your Organization

Barry Markovic
IT Convergence

Melissa English
IT Convergence

In today's IT world, there are so many choices to make. What is the right software for our business? What database will best support the company infrastructure? How will we store and maintain the data files? And finally, which reporting tool will give us the flexibility and information we need?

Trying to make the right decisions can boggle the mind. In this paper, we discuss the pros and cons of some of the choices that are the most integrated with your Oracle Application reporting needs. Evaluating those pros and cons with respect to your organization's requirements will help you choose the right business intelligence reporting tool for your organization. While there are certainly technical issues involved in selecting and implementing any piece of software, this paper will focus on the functionality of each tool with respect to easily providing useful information.

Oracle has supplied several very integrated and focused reporting tools aimed at a specific reporting area such as Financial Statement Generator (FSG), Oracle Financial Analyzer (OFA), and Oracle Sales Analyzer (OSA). Our experience is that FSG is the most widely used of the single reporting area tools. Because of its inherent design to create reports in the accepted Financial Statement Format, FSG is still a good choice for this type of reporting. If a specific financial statement format is not required, we recommend using the other reporting tools covered later in this paper for several reasons. First, FSG, OFA and OSA do not easily allow the integration of data from a variety of the Oracle Applications. Ad Hoc reporting is not a strong point for these tools. Second, they are harder to integrate into the latest information delivery tools such as dashboards. Third, if an organization is using FSG, OFA and/or OSA, it will probably need a more flexible reporting tool which would require maintaining multiple reporting tool environments. This would require more hardware, technical resources, user training, etc.

For more flexible reporting tools that can be used across Oracle Application Modules, we will review and compare:

1. Oracle Business Intelligence Discoverer
2. Oracle Business Intelligence Applications
3. Noetix Reporting Tools

Overview

To some extent, each of these three reporting tools provides similar capabilities from an end user perspective. Canned reports can be scheduled and readily available in various summary or detail formats. A variety of visual displays is also available such as graphs, exception reporting, benchmarking, etc. They can be delivered via traditional paper reports, web display, Excel, and automatically e-mailed. All three tools can provide robust business intelligence reporting in an Oracle Applications environment.

Of course, each tool does have pros and cons. Below is a summary of some key features.

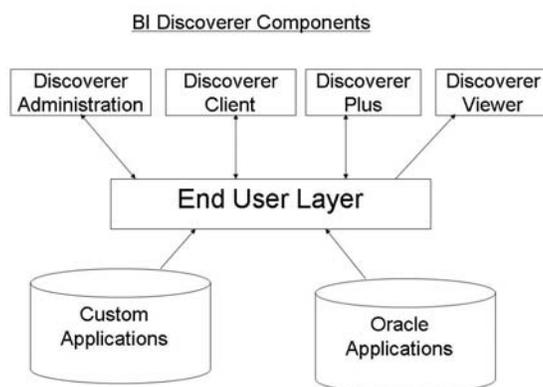
This summary is based on what we feel is a key strength of the product. With some additional effort, some of the features not checked could be made available.

Reporting Tool	Canned Reports	AD Hoc Reporting	Real Time Reporting	Dashboards
BI Discoverer		✓	✓	
BI Applications	✓			✓
Noetix Reporting Tools	✓	✓	✓	✓

Business Intelligence Discoverer

BI Discoverer is an ad hoc reporting tool that has reasonable report writing functionality. Executives, analysts and even casual end users find it easy to use. BI Discoverer is user-friendly enough that users with no technical background are able to write sophisticated reports through a graphical interface by clicking and dragging items for selection. Although the user interface is different, BI Discoverer is similar in functionality and complexity with Excel and MS-Access. Users can drag and drop row and column headings to manipulate the view and results of the reports, similar to Excel Pivot Tables.

Discoverer consists of an Administrative side as well as an End User side. From the administration side of Discoverer, there is a seamless interface between the database and the user called an End User Layer. This helps to manage the data elements used from the existing tables to make that data available to the user without exposing the unused data elements to the user. This helps to reduce the number of null columns available for the reports. The End User Layer has supplied folders from Oracle to help ease the development of table joins. These supplied folders are available to the user based on the user access provided through the security options in the Oracle applications. Security options in the apps can control what the user has the ability to view and report on. For instance, only HR employees can obtain permission to see SSN and other sensitive personal information for the staff.



From an End User side, Discoverer has three ways to access the tool; Discoverer Desktop, Plus and Viewer. Discoverer Desktop is accessed thru the client and is used to create and modify workbooks and worksheets. Discoverer Plus is accessed via the web and is used to create and modify workbooks and worksheets. Discoverer Viewer is accessed through the web and is used to only view workbooks and worksheets pre-defined by another user.

Regardless of the access method you choose for Discoverer, you will find that Discoverer provides robust functionality in an easy to use GUI interface. Users create a Discoverer Workbook which contains one or more Worksheets. Similar to Excel's Sheets, each Worksheet is a separate report. Typically, worksheets in a workbook are different views of the same data. One Worksheet may display detailed transactions while another Worksheet

may show transactions summarized by Sales Geography, Product Line, Time Periods, etc. Reports can easily be manipulated to produce targeted data results by using run time parameters, complex data filters and exception reporting. Users can also do on-the-fly custom calculations, totals and percentages. In addition, there is the table and crosstab functionality that has page item pivoting capabilities to make it easy to see the report in many different views without re-creating the report.

Below is a sample worksheet report using the Client version. There are Page Items with drop down lists to allow you to select specific dimensions to filter the displayed data (i.e. Cur Mon Year Parameter, User Login Name and Area). The user can select any combination of values from these drop-down lists. The below worksheet is using the cross tabular format which automatically summarizes data by the row and column values.

Select Area : 'A08, A01, A02, A05'

Page Items: Cur Mon Year Parameter: DEC-2007 | Parameter User Login Name: URMGR | Area: A02

Rep Number	Reps Assign User Name	Bus Unit	Py Month Net Sales	Cy Month Net Sales	Cymon To Pymon Net Sales Difference	PYTD Net Sales	CYTD Net Sales	CYTD To PYTD Net Sales Difference	Py Total Net Sales	CYTD To Py Total Difference
A02.001	John Doe	East	148,340.00	81,949.96	-66,390.10	2,240,606.43	1,751,722.21	-488,884.22	2,240,606.43	-488,884.22
		West	71,778.00	16,512.00	-55,266.00	539,319.00	526,059.00	-13,260.00	539,319.00	-13,260.00
		North	-1,274.86	9,435.22	10,709.88	241,842.39	180,058.10	-61,784.29	241,842.39	-61,784.29
		South	134,024.00	196,383.00	62,359.00	1,709,580.00	2,391,638.00	682,058.00	1,709,580.00	682,058.00
A02.002	Jane Smith	East	95,020.20	70,347.10	-24,673.10	1,526,747.32	1,041,029.95	-485,717.37	1,526,747.32	-485,717.37
		West	65,577.75	48,551.00	-17,026.75	484,806.00	641,606.75	156,800.75	484,806.00	156,800.75
		North	1,052.48	7,244.04	6,191.56	7,317.44	80,811.30	73,493.86	7,317.44	73,493.86
		South	96,211.00	4,435.00	-91,776.00	595,853.00	511,199.00	-84,654.00	595,853.00	-84,654.00
	Barry Markovic	East	95,020.20	70,347.10	-24,673.10	1,526,747.32	1,041,029.95	-485,717.37	1,526,747.32	-485,717.37
		West	65,577.75	48,551.00	-17,026.75	484,806.00	641,606.75	156,800.75	484,806.00	156,800.75
		North	1,052.48	7,244.04	6,191.56	7,317.44	80,811.30	73,493.86	7,317.44	73,493.86
		South	96,211.00	4,435.00	-91,776.00	595,853.00	511,199.00	-84,654.00	595,853.00	-84,654.00
A02.003	Melisaa English	East	34,236.02	19,783.65	-14,452.37	690,356.30	385,672.33	-304,683.97	690,356.30	-304,683.97
		West	31,714.00	35,997.00	4,283.00	290,748.00	492,770.00	202,022.00	290,748.00	202,022.00
		North	73,158.75	72,862.98	-295.77	876,911.48	824,953.80	-51,957.68	876,911.48	-51,957.68
		South	4,590.00	-781.00	-5,371.00	134,777.00	180,713.00	45,936.00	134,777.00	45,936.00
A02.004	Open territory	East	20,562.68	7,457.20	-13,105.48	466,384.63	241,089.63	-225,295.00	466,384.63	-225,295.00
		West	52,472.00	67,824.00	15,352.00	828,926.00	754,988.00	-71,938.00	828,926.00	-71,938.00
		North	862.92	1,279.08	416.16	10,503.92	9,865.00	-638.94	10,503.92	-638.94
		South	5,962.00	5,020.00	-942.00	87,695.00	61,926.00	-25,769.00	87,695.00	-25,769.00
Grand Total:			1,092,146.64	774,677.37	-317,471.27	13,345,097.67	12,360,749.15	-984,348.52	13,345,097.67	-984,348.52

Below is the same report displayed using the Viewer version.

Select Area : 'A01, A02, A05, A08, A03, A04, A06, A07, A09'

Parameters: Select values for the following parameters. * Indicates required field. * Select Area 'A01', 'A02', 'A05', 'A08', 'A03', 'A04', 'A06'

Crosstab: Rows: 100, Columns: 25

Page Items: Cur Mon Year Parameter: DEC-2007 | Parameter User Login Name: URMGR | Area: <All>

Rep Number	Reps Assign User Name	Bus Unit	Py Month Net Sales	Cy Month Net Sales	Cymon To Pymon Net Sales Difference	PYTD Net Sales	CYTD Net Sales	CYTD To PYTD Net Sales Difference	Py Total Net Sales	CYTD To Py Total Difference
A07.003	John Doe	East	190,644.02	99,200.53	-9,036.29	2,254,297.23	1,593,229.39	-661,067.84	2,254,297.23	-4
		West	85,824.00	67,485.00	-18,159.00	562,158.00	885,580.00	323,150.00	562,158.00	1
		North	12,509.00	6,171.61	-4,410.19	275,053.01	231,192.92	-44,600.09	275,053.01	-
		South	882,800.00	42,990.00	-940,790.00	912,854.00	129,291.00	-783,563.00	912,854.00	-3
A07.004	Jane Doe	East	65,058.84	49,536.76	-5,133.66	864,649.32	626,342.97	-237,686.35	864,649.32	-3
		West	71,802.00	27,030.00	-44,872.00	310,761.00	627,911.00	317,150.00	310,761.00	2
		North	21,038.93	9,439.73	-11,599.20	231,873.75	213,795.24	-18,078.51	231,873.75	-
		South								

It has the web look and feel. Users have less control over fitting the data within a screen but there is a good print format option to produce a printed report or PDF file.

Additional functionality consists of having Business Intelligence Excel spreadsheet add-ins, Business Intelligence Publisher and automated emailing of PDF formats of the reports. The BI Spreadsheet Add-in allows users to have their Excel Spreadsheet automatically updated by a Discoverer Query. BI Publisher allows Discoverer Reports to easily be included on the Web such as in a Corporate Portal.

The key to making BI Discoverer an effective user tool is in the way the End User Layer (EUL) is implemented. This requires resources with IT experience and knowledge of the Oracle Application relational database model. Oracle does provide an easy to use GUI interface with the Discoverer Administration component. This includes automatically creating Folders from the Oracle Tables and Views in the database using a point and click interface. These Folders are used to select the data that is reported within a Worksheet. Lists of Values, Data Hierarchies and Alternative Sorts are also easy to implement using a click and point interface. User Security and Privileges are also easily implemented with a point and click interface.

[Manage Security Options](#)

Security Alerts		
Last Updated: 28-Feb-2008 22:17:23		
Previous 1-3 of 3 Next		
Severity	New	Open
Critical	0	0
Error	0	0
Warning	0	0

Security Test Failures			
Last Updated: 28-Feb-2008 22:17:23			
Expand All Collapse All			
Focus Test Name	Failure Time	Diagnose	Schedule
[-] Failure Level			
[-] Error			
[-] Application Object Library			
Application Profile Options values related to ICX	06-Dec-2005 20:24:56		
Profile Option Tests for Framework Validation Modes	06-Dec-2005 20:24:57		
Verification of Security Alert Patches	06-Dec-2005 20:24:58		

Security Alerts

Details						
Data Retrieved: 12-Nov-2004 14:21:33						
Expand All Collapse All						
Focus Business Flows/Components	Health Metrics			Activity		
	Errored Alerts	Errored Work Requests	Errored Items	Concurrent Requests	Self Service Sessions	Active Work Items
[-] Order to Cash	0	0	0			
[-] Launch Workflow Background Process for Sales Order	0	0	0			
Workflow Background Process (Application Object Library - Concurrent Program)	0	0				
[-] Run Release Sales Order SRS	0	0	0			
Pick Selection List Generation - SRS (Shipping Execution - Concurrent Program)	0	0				
[-] Create Sales Order	0	0	0			
Quick Sales Orders (Order Management - Form)	0					
Sales Orders (Order Management - Form)	0					
[-] Ship Confirm Sales Order	0	0	0			
Shipping Transactions Form (Shipping Execution - Form)	0					
Automated Ship Confirm - SRS (Shipping Execution - Concurrent Program)	0	0				
[-] View Sales Order Invoice	0	0	0			
Transactions (Receivables - Form)	0					
Quick Sales Orders (Order Management - Form)	0					

Applications Dashboard – Business Flows Sample

Experience has shown that for typical complex reports that need to include data from numerous tables in the Oracle Relational database, creating a SQL script that becomes a Custom Folder is more effective than using the point and click interface. This allows the technical developer creating the folder to use the full functionality of SQL to access the data required. Developers should use the existing Oracle Views as a starting point to create the SQL used in Custom Folders. Unfortunately, rarely does a view provide the exact data needed so an experienced SQL developer

is required to modify and combine Views and tables into a new SQL script. Another task that should be completed when developing the EUL is to ensure that the data items have names that clearly identify their use in the Oracle Applications. For example, many tables have items with generic names like “Name”, “Attribute 1”, “Effective Start Date”, etc. Changing these names to an easy to understand business description allows users to select the data they need. The EUL even allows a description to be entered for each item that allows even more documentation for users.

Creating a well designed EUL is the most time consuming part of implementing a BI Discoverer environment. Luckily, creating the EUL is usually a one time set up process with minor enhancements as new releases of the Oracle Applications are implemented. Once good Custom Folders are developed, creating the actual Worksheet reports is the easy part.

BUSINESS INTELLIGENCE APPLICATIONS

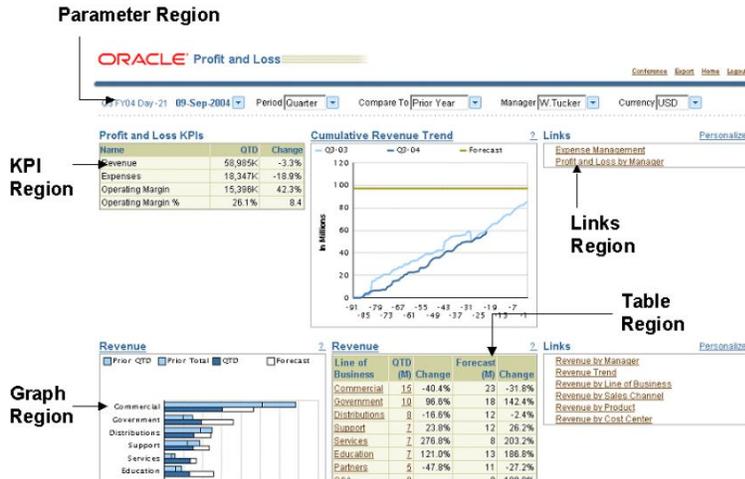
Business Intelligence Applications provide a set of predefined reports in dashboard format that are immediately available upon installation. The Business Intelligence Applications (BI Applications) are listed below:

1. Oracle Financial Analytics
2. Oracle HR Analytics
3. Oracle Order Management and Fulfillment Analytics
4. Oracle Supply Chain Analytics
5. Oracle Sales Analytics
6. Oracle Service Analytics
7. Oracle Contact Center Analytics
8. Oracle Marketing Analytics
9. Oracle Usage Accelerator Analytics for CRM

Each BI Application comes with a set of dashboards. Each dashboard consists of different regions each containing a specific type of content. There are five types of regions:

1. Parameter Region to allow the users to select run time parameters.
2. KPI Region to report on Key Performance Indicators.
3. Graph Region for graphic reporting.
4. Links Region to allow links to other Dashboards, company or external websites, etc.
5. Table Region to provide tabular reports.

Below is a sample dashboard with the regions identified.



The content for a region is based on a report that has more details than the dashboard region. Users are able to drill down from a region to the underlying report. Depending on the report, users may be able to drill into the actual Oracle Application the report is based on.

As shown in the following list, BI Applications provide dashboard reporting for many of the Oracle Application modules.

1. Daily Business Intelligence for Customer Support
 - 1.1. Customer Support Management Dashboard
2. Daily Business Intelligence for Depot Repair
 - 2.1. Depot Repair Management Dashboard
3. Daily Business Intelligence for Field Service
 - 3.1. Field Service Management Dashboard
4. Daily Business Intelligence for Financials
 - 4.1. Profit and Loss Dashboard
 - 4.2. Profit and Loss by Manager Dashboard
 - 4.3. Expense Management Dashboard
 - 4.4. Expense Analysis Dashboard
 - 4.5. Funds Management Dashboard
 - 4.6. Payables Management Dashboard
 - 4.7. Payables Status Dashboard
5. Daily Business Intelligence for Interaction Center
 - 5.1. Email Center Management Dashboard
 - 5.2. Inbound Telephony Management Dashboard
6. Daily Business Intelligence for iStore
 - 6.1. Store Management Dashboard
 - 6.2. Store Top Activity Dashboard
7. Daily Business Intelligence for Maintenance
 - 7.1. Maintenance Management Dashboard
8. Daily Business Intelligence for Marketing
 - 8.1. Marketing Management Dashboard
 - 8.2. Lead Management Dashboard
9. Daily Business Intelligence for Procurement
 - 9.1. Procurement Status Dashboard
 - 9.2. Procurement Performance Management Dashboard
 - 9.3. Procurement Management Dashboard
 - 9.4. Procure-to-Pay Management Dashboard
 - 9.5. Commodity Spend Management Dashboard

- 9.6. Commodity Supplier Management Dashboard
- 10. Daily Business Intelligence for Product Lifecycle Management
 - 10.1. Product Management - Engineering Dashboard
 - 10.2. Product Management Dashboard
- 11. Daily Business Intelligence for Projects
 - 11.1. Projects Profitability Management Dashboard
 - 11.2. Projects Operations Management Dashboard
 - 11.3. Capital Projects Cost Management Dashboard
 - 11.4. Contract Projects Cost Management Dashboard
- 12. Daily Business Intelligence for Quoting
 - 12.1. Quote Management Dashboard
- 13. Daily Business Intelligence for Sales
 - 13.1. Sales Forecast Management Dashboard
 - 13.2. Sales Management Dashboard
 - 13.3. Opportunity Management Dashboard
- 14. Daily Business Intelligence for Service Contracts
 - 14.1. Service Contracts Management Dashboard
 - 14.2. Service Renewals Management Dashboard
- 15. Daily Business Intelligence for Supply Chain
 - 15.1. Customer Fulfillment Management Dashboard
 - 15.2. Shipping Management Dashboard
 - 15.3. Inventory Management Dashboard
 - 15.4. Manufacturing Management Dashboard
 - 15.5. Product Cost Management Dashboard
 - 15.6. Plan Management Dashboard
 - 15.7. Product Revenue Bookings and Backlog Dashboard
 - 15.8. Warehouse Management Dashboard
 - 15.9. Transportation Management Dashboard

As an example of the dashboards and reports for one BI Application, the following list identifies the dashboards and reports available in the BI Procurement Application:

- 1. **Procurement Status Dashboard**
 - a. Unprocessed Requisitions
 - b. Unfulfilled Requisitions
- 2. **Procurement Performance Management Dashboard**
 - a. Processed Requisitions
 - b. Fulfilled Requisitions
- 3. **Procurement Management Dashboard**
 - a. Non-Contract Purchases
 - b. Contract Leakage
 - c. PO Purchases
 - d. Payables Leakage
- 4. **Procure-to-Pay Management Dashboard**
 - a. Manual Invoices
- 5. **Commodity Spend Management Dashboard**
 - a. Invoice Amount
 - b. PO Price Savings and Quantity Change
 - c. Contract Utilization
- 6. **Commodity Supplier Management Dashboard**
 - a. PO Price Change
 - b. Returns
 - c. Rejections on Inspection
 - d. Receipt Date Exceptions

Dashboards can be customized as needed but normally the customization would be done by IT technical staff. Each Dashboard can have as many regions as needed to provide the required reporting. Normally, there would be one Parameter Region but there could be multiples for the other region types.

There are several key concepts built into the BI Applications Dashboards.

- Responsibility – Identifies the data that a user can access. There are predefined responsibilities along with the capability of creating new ones.
- Date Parameters – Define the time period of the data being reported along with a time period for comparison purposes, such as current month to same month in the prior year.
- KPI or Key Performance Indicator – KPIs are defined for each Dashboard based on accepted “best practices”.

As an example, the KPIs for the Procurement Status Dashboard are used to see what volume of requisitions currently need processing into purchase orders or releases, including how many are processed late (past their expected date) and how long on average they have been in an unprocessed state. The actual KPIs are:

- **Unprocessed Requisition Lines:** Number of approved requisition lines that are not canceled, returned, or rejected, that are not on an approved purchase order or release.
- **Unprocessed Requisition Lines Past Expected Date:** Number of unprocessed requisition lines where the current date (specifically, the Data Last Updated date that displays at the bottom of each page) is past the Promised Date or Need-By Date on the purchase order or release shipment, or past the Need-By Date on the requisition line, whichever is available.
- **Unprocessed Requisitions Amount:** Price * Quantity. Sum of the amounts on each purchase order or release shipment corresponding to each unprocessed requisition line. If the requisition line has not yet been placed on a purchase order, then the requisition line amount (Price * Quantity) is used.
- **Unprocessed Average Age (Days):** Number of Days Pending / Unprocessed Requisition Lines.

Each Dashboard has a similar set of predefined KPIs available upon installation.

There is a key technical consideration when implementing BI Applications. Oracle Materialized Views are used as the source of data. These materialized views must be updated on a scheduled basis. Depending on the organization, this could be daily or even multiple times per day. Incremental updates are used to minimize processing time. For most BI reporting requirements, this snapshot of the data updated on an agreed upon schedule is sufficient.

Noetix Tools

Noetix Corporation offers Business Intelligence Reporting tools that work well with Oracle Applications. These tools include:

- Noetix Views
- Noetix Generator
- Noetix WebQuery
- Noetix Answers
- Noetix Platform
 - Noetix Dashboards
 - Noetix QueryServer

Noetix Views is a set of custom Oracle Views each designed to provide specific business information. Data items in these views have been set to commonly understood business terms. This includes all of the flexfields an organization uses. The views and their data items are well documented. There is also a list of “hints” that ask typical business questions and then direct the user to a specific Noetix View to find the needed information.

The following screen shots show the on-line Help available in Noetix Views.

NoetixViews Help, Noetix Corporation

File Edit Bookmarks Options Help

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NoetixViews Help Contents

NoetixViews is a set of database views for looking at the data in Oracle Applications (Financials, Manufacturing, Distribution, Human Resources, AOL and Projects). To see the Oracle data, access these views with a [client/server query/reporting tool](#) connected to Oracle.

Roles (similar to responsibilities) manage the views. To see the data, you must have permission to access the appropriate role. Each application (AP,PO,...) within each set of books, business group, operating unit or organization has a separate role.

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Help File generation information:

Schema:	NOETIX_SYS
Database:	PILOT
Noetix Administrator:	5.6.1.317
Scripts Version:	5.6.1.317
Metadata Version:	5.6.1.317
Oracle Applications Release:	11.5.10.2
Help Code:	ALL

Classic Roles

- [XXNAO_NOETIX_ADMIN](#) Noetix Administration Objects

Business Group: ITC Global Business Group

- [GBLHR_HR_EXTRA_INFO_TYPES](#) Human Resources Extra Information Inquiries
- [GBLHR_HR_MANAGER](#) Human Resources (Confidential)
- [GBLHR_HR_SALARY_MANAGER](#) Human Resources (Confidential Salary)
- [GBLHR_HR_SPECIAL_INFO_TYPES](#) Human Resources Special Information Type Inquiries
- [GBLHR_HR_USER](#) Human Resources (Non-Confidential)
- [GBLHR_HUMAN_RESOURCES](#) Human Resources (View All)

Business Group: ITC_INT_BG (Old)

- [INCHR_HR_EXTRA_INFO_TYPES](#) Human Resources Extra Information Inquiries
- [INCHR_HR_MANAGER](#) Human Resources (Confidential)
- [INCHR_HR_SALARY_MANAGER](#) Human Resources (Confidential Salary)
- [INCHR_HR_SPECIAL_INFO_TYPES](#) Human Resources Special Information Type Inquiries
- [INCHR_HR_USER](#) Human Resources (Non-Confidential)
- [INCHR_HUMAN_RESOURCES](#) Human Resources (View All)

Business Group: Setup Business Group

- [HR_HR_EXTRA_INFO_TYPES](#) Human Resources Extra Information Inquiries
- [HR_HR_MANAGER](#) Human Resources (Confidential)
- [HR_HR_SALARY_MANAGER](#) Human Resources (Confidential Salary)
- [HR_HR_SPECIAL_INFO_TYPES](#) Human Resources Special Information Type Inquiries
- [HR_HR_USER](#) Human Resources (Non-Confidential)
- [HR_HUMAN_RESOURCES](#) Human Resources (View All)

Set of Books: ITC Arg USGAAP

Noetix Available Views

NoetixViews Help, Noetix Corporation

File Edit Bookmarks Options Help

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NoetixViews AR01G_RECEIVABLES Views List

Roles manage access to views. Ask your DBA to grant you access to the roles you need. Your client/server query tool may also provide a way to turn specific roles on or off.

Set of Books: ITC United States
Operating Unit: ITC USA Operating Unit
INV/MFG Organization: ITC_USA_INV_ORG

[Examples](#)

Views

- [AR01G_Addresses](#) AR Basic - Customer Address Information.
- [AR01G_Adjustment_GL_Je_Dist](#) AR Cross Functional - Invoice Adjustment GL JE Distribution Information.
- [AR01G_Adjustment_Taxes](#) AR Value Added - Taxes due on adjustments to each taxing authority
- [AR01G_Adjustments](#) AR Basic - Invoice Adjustment
- [AR01G_Bank_Cash_Flows](#) AR Cross Functional - Cash in and out of bank accounts by day
- [AR01G_Cash_Receipts](#) AR Basic - Payment Receipt information
- [AR01G_Cash_Receipts_Combined](#) AR Basic - Payment Receipt information
- [AR01G_Collectors](#) AR Basic - Collector Information.
- [AR01G_Cons_Invoice_Summary](#) AR Value Added - Consolidated Billing Invoices
- [AR01G_Contact_Addresses](#) AR Basic - Contact Address Information.
- [AR01G_Contacts](#) AR Basic - Customer Contact Information.
- [AR01G_Correspondences](#) AR Basic - Customer Correspondence and Dunning Letters.
- [AR01G_Credit_Histories](#) AR Basic - Credit History information
- [AR01G_Credit_Memo_Lines](#) AR Basic - Line detail of credit memos
- [AR01G_Cust_Pymt_GL_Je_Dist](#) AR Cross Functional - Cash Receipts - Customer Payments GL JE Distribution.
- [AR01G_Cust_Tran_GL_Je_Dist](#) AR Cross Functional - Customer Transaction GL JE Distribution Information.
- [AR01G_Customer_Account_Summary](#) AR Value Added - Current balance for each customer
- [AR01G_Customer_Addresses](#) AR Basic - Customer Site Address information
- [AR01G_Customer_Balance_Aging](#) AR Value Added - Balances of invoices, credit memos, Bills Receivable and Recei
- [AR01G_Customer_Bank_Accounts](#) AR Basic - Customer Bank Accounts and Branch Addresses
- [AR01G_Customer_Calls](#) AR Value Added - Calls made to customers for collections
- [AR01G_Customer_Contacts](#) AR Basic - Customer Contacts and their roles
- [AR01G_Customer_Credit_Profiles](#) AR Basic - Current Profile of customer credit
- [AR01G_Customer_Phones](#) AR Basic - Phone numbers for customer and customer contacts
- [AR01G_Disputes](#) AR Basic - Dispute History information
- [AR01G_Invoice_Activities](#) AR Value Added - Credit memos and receipts for an invoice
- [AR01G_Invoice_Activity_Lines](#) AR Value Added - Credit memo lines applied to invoice lines
- [AR01G_Invoice_Lines](#) AR Basic - Invoice Line information
- [AR01G_Invoice_Taxes](#) AR Value Added - Taxes on invoices for each taxing authority
- [AR01G_Letters](#) AR Basic - Dunning Letter history
- [AR01G_Margins](#) AR Cross Functional - Margin between cost and invoiced price
- [AR01G_Misc_Cash_Distributions](#) AR Basic - Account distributions for miscellaneous cash receipts
- [AR01G_Misc_Pymt_GL_Je_Dist](#) AR Cross Functional - Cash Receipts - Misc Payments GL JE Distribution.
- [AR01G_Period_Closed_Stats](#) AR Value Added - Statistics on receivables by GL Closed Date periods
- [AR01G_Period_Created_Stats](#) AR Value Added - Statistics on receivables by GL Date periods
- [AR01G_Period_Due_Stats](#) AR Value Added - Statistics on receivables by Due Date periods

Noetix AR Views

[NoetixViews Help](#), [Noetix Corporation](#)
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Noetix Views AR01G_Customer_Account_Summary View Description

[Columns](#) [See Also](#) [Examples](#)

AR Value Added – Current balance for each customer

The Customer Account Summary view shows the current balances for each customer. This summary includes the Outstanding Balance, the Past Due Balance, the Over Credit Limit Amount, the Open Invoice Amount, the Open Receipt Amount, the Credit Amount, the On Account Amount, the In Dispute Amount and the Earned and Unearned Discounts Taken. Year-to-date and month-to-date invoice and receipt amounts show the recent customer activity. Seven buckets show a summary of the aging of payments due from this customer. The Outstanding balances include all transaction types including Deposits and Guarantee type of transactions. If the customer has profiles set up for several locations (sites), then this view summarizes the data for each location. If there is a profile set up for the customer without being attached to a location, it summarizes all data except what was included in the location specific summaries. In Release 10 each Currency for which this customer has a customer credit profile is reported separately.

Set of Books: ITC United States
Operating Unit: ITC USA Operating Unit
INV/MFG Organization: ITC_USA_INV_ORG

Noetix Views – AR Customer Account Summary View

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Noetix Views AR01G_Customer_Account_Summary Column List [Help](#)

A\$Customer Customer name – [Indexed](#) column identifier. Use the Customer column for querying.
A\$Customer_Number Customer number – [Indexed](#) column identifier. Use the Customer_Number column for querying.
A\$Z ***** WARNING ***** Each query must use a SEARCH BY column! The columns preceding this separator column (they start with "A\$") are the SEARCH BY columns. To ensure an efficient query – one that uses indexes – limit the query with a SEARCH BY column in the search criteria.
Available_Credit_Amount Available credit for this customer, that is, the difference between the total credit limit and the current balance due in entered/foreign currency units. If no available credit, then zero.
Available_Credit_Amount_Base Available credit for this customer in the functional (base) currency; that is, the difference between the total credit limit and the current balance due. If no available credit, then zero.
Average_Days_Late Averages days late. This is calculated as the average of the difference between the gl closed date (or today for open invoices) and the due date. Partial payments are ignored.
Average_Weighted_Days_Late This weighted sum of days late is calculated as the (sum ((gl closed date - due date) * amount)) divided by total amount. Partial payments are ignored.
Balance_Due The current amount due remaining from this customer in foreign/entered currency units.
Balance_Due_Base The current amount due remaining from this customer in the functional (base) currency.
Base_Currency_Code The base currency code is the baseline currency used for accounting purposes in a specific set of books. Also known as the functional currency code. Partial list of possible values (descriptions are only in the help and are not returned by the view): "ADP" (Andorran Peseta), "AED" (UAE Dirham), "AFA" (Afghani), "ALL" (Lek), "AMD" (Armenian Dram), "ANG" (Netherlands Antillian Guilder), "AOA" (Kwanza), "AOK" (Kwanza (Obsolete)), "AON" (New Kwanza), "ARA" (Austria), "ARS" (Argentine Peso), "ATS" (Schilling), "AUD" (Australian Dollar), "AWG" (Aruban Guilder), "AZM" (Azerbaijanian Manat), "BAM" (Convertible Marks), "BBD" (Barbados Dollar), "BDT" (Taka), "BEF" (Belgian Franc), "BGL" (Lev), "BGN" (Bulgarian Lev), "BHD" (Bahraini Dinar), "BIF" (Burundi Franc), "BMD" (Bermudian Dollar (Bermuda Dollar)), "BND" (Brunei Dollar), "BOB" (Boliviano), "BOV" (Mvoti), "BPC" (Cruzado), "BRL" (Brazilian Real), "BSD" (Bahamian Dollar), "BTN" (Ngultrum), "BUK" (Kyat (Obsolete)), "BWP" (Pula), "BYB" (Belarusian Ruble (Obsolete)), "BYR" (Belarusian Ruble), "BZD" (Belize Dollar), "CAD" (Canadian Dollar), "CDF" (Franc Congoleais), "CHF" (Swiss Franc), "CLP" (Unidades de fomento), "CLP" (Chilean Peso), "CNY" (Yuan Renminbi), "COP" (Colombian Peso), "CRC" (Costa Rican Colon), "CSK" (Koruna), "CUP" (Cuban Peso), "CVE" (Cape Verde Escudo), "CYP" (Cyprus Pound), "CZK" (Czech Koruna), "DEM" (Deutsche Mark), "DJF" (Djibouti Franc), "DKK" (Danish Krone), "DOP" (Dominican Peso), "DZD" (Algerian Dinar), "ECS" (Sucre), "ECV" (Unidad de Valor Constante (LVC)), "EEK" (Kroon), "EGP" (Egyptian Pound), "ERN" (Nakfa), "ESB" (Convertible Peseta Accounts), "ESP" (Spanish Peseta), "ETB" (Ethiopian Birr), "EUR" (Euro), "FIM" (Markka), "FJD" (Fiji Dollar), "FKP" (Falkland Islands Pound), "FRF" (French Franc), "GBP" (Pound Sterling), "GEL" (Lari), "GHC" (Cedi), "GIP" (Gibraltar Pound), "GMD" (Dalasi), "GNF" (Guinea Franc), "GRD" (Drachma), "GTO" (Quetzal), "GWP" (Guinea-Bissau Peso), "GYD" (Guyana Dollar), "HKD" (Hong Kong Dollar), "HNL" (Lempira), "HRD" (Croatian Dinar), "HRK" (Croatian kuna), "HTG" (Gourde), "HUF" (Forint)

Bucket_181_To_360_Days Amount between 181 and 360 days overdue in entered/foreign currency units.
Bucket_181_To_360_Days_Base Amount between 181 and 360 days overdue, displayed in the functional (base) currency.
Bucket_1_To_30_Days Amount between 1 and 30 days overdue in entered/foreign currency units.
Bucket_1_To_30_Days_Base Amount between 1 and 30 days overdue, displayed in the functional (base) currency.
Bucket_31_To_60_Days Amount between 31 and 60 days overdue in entered/foreign currency units.
Bucket_31_To_60_Days_Base Amount between 31 and 60 days overdue, displayed in the functional (base) currency.
Bucket_361_Plus_Days Amount more than 360 days overdue in entered/foreign currency units.
Bucket_361_Plus_Days_Base Amount more than 360 days overdue, displayed in the functional (base) currency.
Bucket_61_To_90_Days Amount between 61 and 90 days overdue in entered/foreign currency units.
Bucket_61_To_90_Days_Base Amount between 61 and 90 days overdue, displayed in the functional (base) currency.
Bucket_91_To_180_Days Amount between 91 and 180 days overdue in entered/foreign currency units.
Bucket_91_To_180_Days_Base Amount between 91 and 180 days overdue, displayed in the functional (base) currency.
Bucket_Current Amount not yet due in entered/foreign currency units.
Bucket_Current_Base Amount not yet due, displayed in the functional (base) currency.
Closed_Invoice_Amount Total amount originally due on invoices (and debit memos) for this customer that are now closed in entered/foreign currency units.
Closed_Invoice_Amount_Base Total amount originally due on invoices (and debit memos) for this customer that are now closed, displayed in the functional (base) currency.
Closed_Receipt_Amount Total amount of closed (applied) receipts for this customer in entered/foreign currency units.
Closed_Receipt_Amount_Base Total amount of closed (applied) receipts for this customer in the functional (base) currency.
Collector_Name Name of collector responsible for this customer
Count_Late_Invoices Count of all Closed invoices that were paid late and all open invoices that are past due
Count_On_Time_Invoices Count of all closed invoices that were paid on time
Currency_Code The entered and/or foreign currency code. Partial list of possible values (descriptions are only in the help and are not returned by the view): "ADP" (Andorran Peseta), "AED" (UAE Dirham), "AFA" (Afghani), "ALL" (Lek), "AMD" (Armenian Dram), "ANG" (Netherlands Antillian Guilder), "AOA" (Kwanza), "AOK" (Kwanza (Obsolete)), "AON" (New Kwanza), "ARA" (Austria), "ARS" (Argentine Peso), "ATS" (Schilling), "AUD" (Australian Dollar), "AWG" (Aruban Guilder), "AZM" (Azerbaijanian Manat), "BAM" (Convertible Marks), "BBD" (Barbados Dollar), "BDT" (Taka), "BEF" (Belgian Franc), "BGL" (Lev), "BGN" (Bulgarian Lev), "BHD" (Bahraini Dinar), "BIF" (Burundi Franc), "BMD" (Bermudian Dollar (Bermuda Dollar)), "BND" (Brunei Dollar), "BOB" (Boliviano), "BOV" (Mvoti), "BPC" (Cruzado), "BRL" (Brazilian Real), "BSD" (Bahamian Dollar), "BTN" (Ngultrum), "BUK" (Kyat (Obsolete)), "BWP" (Pula), "BYB" (Belarusian Ruble (Obsolete)), "BYR" (Belarusian Ruble)

Noetix Views – AR Customer Account Summary Columns

NoetixViews Help, Noetix Corporation

File Edit Bookmark Options Help

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NoetixViews
AR01G_Customer_Account_Summary View Description

Columns See Also Examples

NoetixViews
AR01G_Customer_Account_Summary Examples

Here are typical questions people have about the data within the view AR01G_Customer_Account_Summary. Select a question to see a hint on how you can answer these questions using NoetixViews

[Hint: Can I see receivables aging buckets for the customers sorted by the customer category?](#)
[Hint: What is the best method in the AR_Customer_Account_Summary view to determine if an exchange rate will be necessary to convert the entered transaction amount to the base currency units?](#)
[Hint: Which customers are over their credit limits and by how much?](#)
[Hint: What are the accounts receivable aging buckets in functional currency?](#)
[Hint: What do our customers owe us?](#)
[Hint: Which customers have a percent collectable in their customer profile which differs substantially from their history?](#)

Noetix Views – AR Customer Account Summary Examples

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Can I see receivables aging buckets for the customers sorted by the customer category?

View: [AR01G_Customer_Account_Summary](#)

Hint: There are seven buckets that show the agings of the receivables for each customer. To see this aging, select for display these buckets along with the A\$Customer, Customer_Category, Customer_Location and Currency_Code. The usual case is that each customer has one Account Summary row. This is true if there is only one customer profile set up for the customer. If, however, customer profiles have been set up in more than one currency or for individual Customer_Locations, the customer may have several Account Summary rows. This can be a little tricky if, for instance, the customer has profiles set up for one location (say Boston), but not for others (say Miami and Seattle). In this oddball case the receivable activity billed to Miami and Seattle is summarized with a blank location. The blank location does not include the data from location Boston. The Boston data is on a second summary record.

Noetix Views – AR Customer Account Summary Hint

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NoetixViews
AR01G_Customer_Account_Summary Related Views

See also these related views:

[AR01G_Credit_Histories](#) AR Basic - Credit History information
Hint: The Credit Histories view shows the credit rating of the customer in the past and in the present.

[AR01G_Customer_Calls](#) AR Value Added - Calls made to customers for collections
Hint: The Customer Calls view shows the collection calls that have been made to a customer.

[AR01G_Customer_Credit_Profiles](#) AR Basic - Current Profile of customer credit
Hint: The Customer Credit Profile shows the current credit information on a customer: credit rating, risk and credit limits.

[AR01G_Disputes](#) AR Basic - Dispute History information
Hint: The Disputes view shows a history of the disputes with this customer over invoices and payments.

[AR01G_Letters](#) AR Basic - Dunning Letter history
Hint: The Letters view shows the dunning letters that have been sent to a customer.

[AR01G_Period_Closed_Stats](#) AR Value Added - Statistics on receivables by GL Closed Date periods
Hint: The Period Closed Stats shows how many invoices and receipts were closed in each Period.

[AR01G_Period_Created_Stats](#) AR Value Added - Statistics on receivables by GL Date periods
Hint: The Period Created Stats shows how many invoices and receipts were created in each Period.

[AR01G_Period_Due_Stats](#) AR Value Added - Statistics on receivables by Due Date periods
Hint: The Period Due Stats shows one perspective on the history of your dealings with a customer. Mainly, how many invoices and receipts from this customer were due in each period.

[AR01G_Receivables_Balances](#) AR Basic - Balances of invoices and credit memos
Hint: The Customer Account Summary view shows the current balances for each customer. This summary includes the Outstanding Balance, the Past Due Balance, the Over Credit Limit Amount, the Open Invoice Amount, the Open Receipt Amount, the Credit Amount, the On Account Amount, the In Dispute Amount and the Earned and Unearned Discounts Taken. Year-to-date and month-to-date invoice and receipt amounts show the recent customer activity. Seven buckets show a summary of the aging of payments due from this customer. If the customer has profiles set up for several locations (sites), then this view summarizes the data for each location. If there is a profile set up for the customer without being attached to a location, it summarizes all data except what was included in the location specific summaries. In Release 10 each Currency for which this customer has a customer credit profile is reported separately.

[AR01G_Customers](#) AR Basic - Information about customers including their addresses.
Hint: The Customers view tells about the customer, for instance, Address, Salesrep, and Sales Channel. The Customer Account Summary summarizes the status of the customer account. To join these views, match the column Customer Number.

Noetix Views – AR Customer Account Summary Related Views

The on-line Help included with Noetix Views is the key to enabling users to quickly understand the data available to them. Noetix provides views for the following Oracle Application modules:

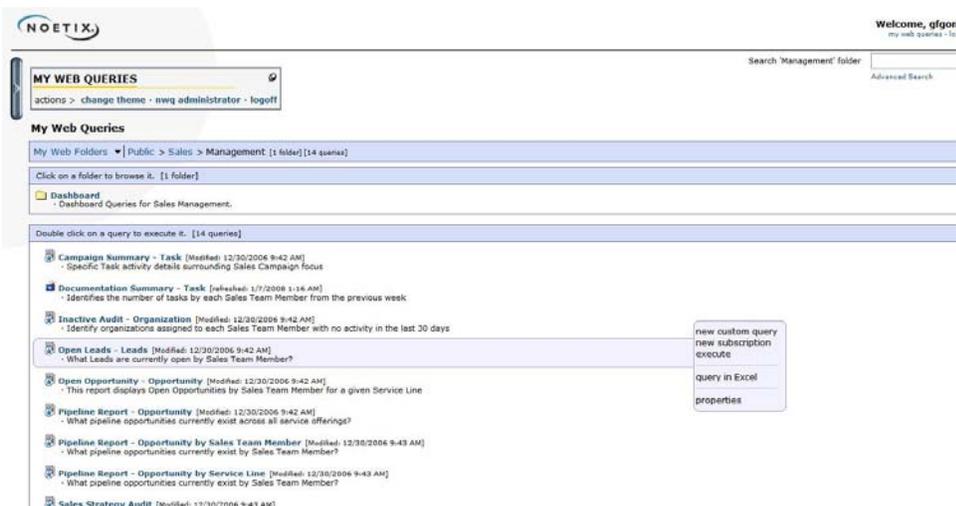
- Oracle Financials
- Order Management
- Procurement
- Projects
- Discrete and Process Manufacturing
- Human Resources
- Payroll
- Grants
- Service

Noetix Views are the foundation for all of the other Noetix products to easily access the data within Oracle Applications.

Noetix Generator uses the Noetix Views to create an EUL within BI Discoverer. This greatly reduces the start-up time for implementing a BI Discoverer environment as most of the EUL is automatically created. It is worth noting that although the views are well designed, there are usually a few business requirements in each organization that require enhancement of specific Noetix views. However, even before these enhancements are made the views can provide much of the required reporting right out of the box.

Noetix WebQuery is an ad hoc query reporting tool using a web interface. While the look and feel is different, the basic functionality is very similar to what the BI Discoverer Plus ad hoc query reporting tool provides. Users can easily select data, filter data, use run time parameters, sort and pivot data and create custom calculations. Scheduling reports and interfacing into Excel is also available.

Noetix Answers are predefined reports for Oracle Applications that are available “out of the box”. These reports are customizable so new calculations can be created, filters can be applied, columns can be hidden, etc. Data can be seamlessly integrated into Excel. The following screen shots show how Noetix WebQuery and Noetix Answers work together to deliver reports to users via a web interface.



Noetix WebQuery Menu showing available reports (Answers)

NOETIX | Welcome, gfgp
My Web Queries | MY WEB QUERIES CUSTOMIZE EXECUTE | actions > save - properties - re-execute - subscribe

Search 'Management folder' | Advanced Search

My Recent Queries

Open Leads - Leads by Sales Team Member

Options | Data Rows: 146 | Displaying: 1 to 26

Owner	Organization	Service	Lead Name	Lead Status	Time Frame	Budget Status	Date Entered	Last Task
Bajaj, Vikas Purshotam	SHOC (ATHDC)	Support Services	Windows Server System Administrat	New	Undefined	Pending	15-Feb-07	15-Feb
Bajaj, Vikas Purshotam	AMPEX CORPORATION	Support Services	Windows Server System Administrat	New	Undefined	Pending	15-Feb-07	15-Feb
Bajaj, Vikas Purshotam	CALIBER HOLDINGS CORPORATION	Support Services	Windows Server System Administrat	New	Undefined	Pending	15-Feb-07	15-Feb
Bajaj, Vikas Purshotam	Credwatch Services LP.	Support Services	Windows Server System Administrat	New	Undefined	Pending	15-Feb-07	15-Feb
Bell, Kimberly A. (Kim)	COEUR D'ALENE MINES CORP	Support Services	Migration of OS from Unix to Linux	New	Undefined	Pending	13-Feb-07	6-Mar
Bell, Kimberly A. (Kim)	COEUR D'ALENE MINES CORP	Support Services	Set up CDE Australia into MultiOr	New	3 - 6 Months	Pending	13-Feb-07	6-Mar
Bell, Kimberly A. (Kim)	COEUR D'ALENE MINES CORP	Support Services	Upgrade server GOLD1 OS from H	New	3 - 6 Months	Pending	13-Feb-07	6-Mar
Bell, Kimberly A. (Kim)	COEUR D'ALENE MINES CORP	Support Services	-UX 11.00 to 11.11	New	6 -12 Months	Pending	13-Feb-07	6-Mar
Bell, Kimberly A. (Kim)	COEUR D'ALENE MINES CORP	Support Services	Migration of Cerro Bayo to MultiOr	New	6 -12 Months	Pending	13-Feb-07	6-Mar
Rignoli Alfons, Federico	SYNACOM TECHNOLOGY INC.	Recruitment Services	PeopleSoft, functional consultant,	New	Within 1 Week	Pending	13-Apr-07	13-Apr
Chari, Rashtra	SILICON GRAPHICS, INC.	Consulting Services	Latin America Projects	New	1 - 3 Months	Pending	9-Jan-07	9-Jan
Cohen, Matthew Louis	AETNA INC.	Consulting Services	ID Management	New	Within 1 Week	Pending	16-Oct-07	16-Oct
Cohen, Matthew Louis	COMCAST CORPORATION	Education Services	GLAP FA Inventory Training	New	1 - 3 Months	Pending	5-Dec-07	5-Dec
Cohen, Matthew Louis	COMCAST CORPORATION	Support Services	Support	New	1 - 3 Months	Pending	19-Oct-07	26-Oct
Cohen, Matthew Louis	CYSTIC FIBROSIS FOUNDATION	Web Services	Portal Call Campaign	New	Undefined	Pending	17-Oct-07	19-Dec
Cohen, Matthew Louis	UNIFI, INC.	Web Services	Portal Call Campaign	New	Undefined	Pending	17-Oct-07	19-Dec
Cohen, Matthew Louis	VOCOLLECT, INC.	Hosting	Hosting	New	1 - 3 Months	Pending	26-Oct-07	29-Oct
Cohen, Matthew Louis	WINBER RESEARCH INSTITUTE	Web Services	Portal Call Campaign	New	Undefined	Pending	17-Oct-07	17-Oct
Crapper, Matias Felipe	MC DONALD'S DE MEXICO, S.A. DE C.V.	Consulting Services	(F) Health Check	New	Within 1 Week	Pending	12-Feb-07	21-Feb
Duval, Jerome (Jerome)	ATHENAIUM HEALTH INC.	Web Services	Portal Call Campaign	New	Undefined	Pending	17-Oct-07	17-Oct
Duval, Jerome (Jerome)	BUREAU OF NATIONAL AFFAIRS (BNA)	Web Services	Portal Call Campaign	New	Undefined	Pending	17-Oct-07	17-Oct
Duval, Jerome (Jerome)	E COM VENTURES INC	Web Services	Portal Call Campaign	New	Undefined	Pending	17-Oct-07	17-Oct
Duval, Jerome (Jerome)	FCCI INSURANCE GROUP	Web Services	Portal Call Campaign	New	Undefined	Pending	17-Oct-07	17-Oct
Duval, Jerome (Jerome)	FORDHAM UNIVERSITY	Web Services	Portal Call Campaign	New	Undefined	Pending	17-Oct-07	17-Oct
Duval, Jerome (Jerome)	FRANKE USA HOLDING, INC.	Web Services	Portal Call Campaign	New	Undefined	Pending	17-Oct-07	17-Oct
Duval, Jerome (Jerome)	GEORGESON SHAREHOLDER COMMUNIC	Web Services	Portal Call Campaign	New	Undefined	Pending	17-Oct-07	17-Oct

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Noetix Answers Sample Report

Noetix Platform is an overall platform that integrates the various Noetix components to provide a complete BI Reporting Environment. Components include:

- Noetix Views
- Noetix WebQuery
- Noetix Answers
- Noetix Dashboards
- Noetix QueryServer
- Noetix Platform

Some of these components can be installed as standalone solutions but to have the complete BI Reporting capability, Noetix Platform provides the overall technical framework to ensure all of the components work together.

Noetix QueryServer is the component within Noetix Platform that manages user queries with respect to the actual sources of data. Users can generate queries that include data from various sources such as Oracle Applications and custom applications both on different hardware platforms. Noetix QueryServer provides the following:

1. Breaks down the original query into the format needed by each separate data source
2. Passes the query to the data source
3. Collects the data from each data source
4. Combines the data from different data sources as needed
5. Delivers the final query data output to the Noetix component requesting it such as Noetix Dashboards or Noetix WebQuery.

Noetix Dashboards provide interactive graphical reports with drill down capabilities similar to the dashboards in BI Applications. Noetix provides Dashboards for a variety of business functions including:

1. Accounts Payable
2. Banking
3. Call Center
4. Finance
5. Human Resources
6. Sales
7. Sales & Marketing for Siebel CRM

As an example, below is a description of the Financial Dashboards:

1. Financials Dashboards

1.1. CFO Dashboard

1.1.1. KPIs covering GL, AP, AR and OM. Examples of KPIs are Total Revenue, Total Expenses, EBIT, COGS, Operating Income, Working Capital, Cash on Hand, Total AR, Total AP, Total Cash Receipts and Past Dues.

1.1.2. The CFO dashboard also provides sample financial reports such as Balance Sheet, Income Statement, Rolling Quarterly Income Statement, Cash Flow, Capital Spending, Equity Analysis and Stock Options Summary.

1.2. Sales Dashboard

1.2.1. The contents include Sales by Region by Period, Number of New Customers, Average Order Size and Top/Bottom 5 Products, Top/bottom 5 Sales Persons and DSO. Reports included are Pipeline by Region, Sales and Product Sales.

1.3. Financial Ratios Dashboard

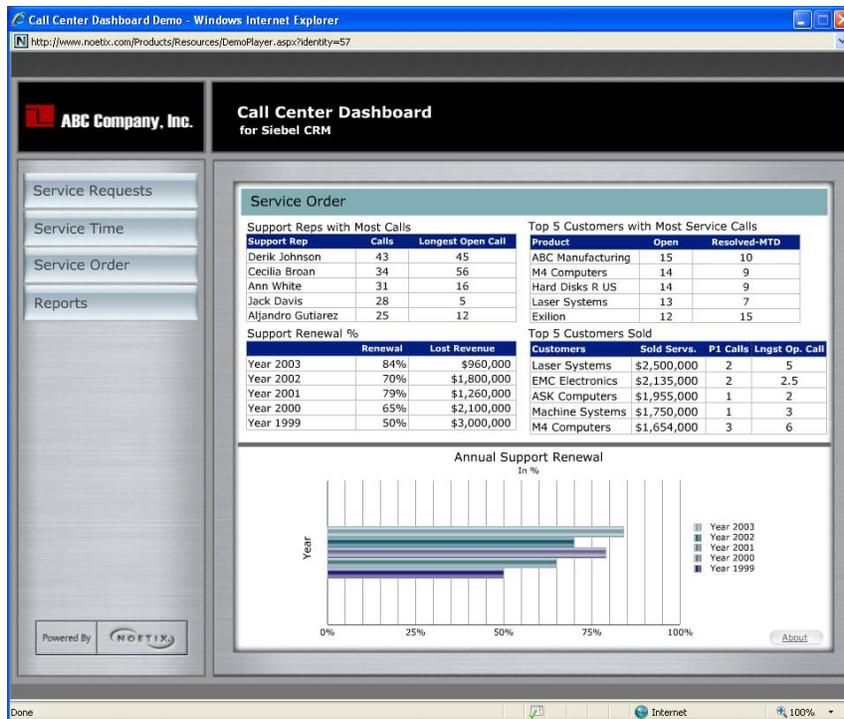
1.3.1. Contains major financial ratios used by executives including:

- Activity Ratios—AR Turnover, Asset Turnover and Inventory Turnover
- Liquidity Ratios—Current, Quick, Days Sales in Inventory and Days Sales in Receivables
- Capital Ratios—Debt, Debt/Equity, and Interest Coverage
- Profitability Ratios—ROA, ROE, Average Total Assets, Profit Margin and Earning Per Share

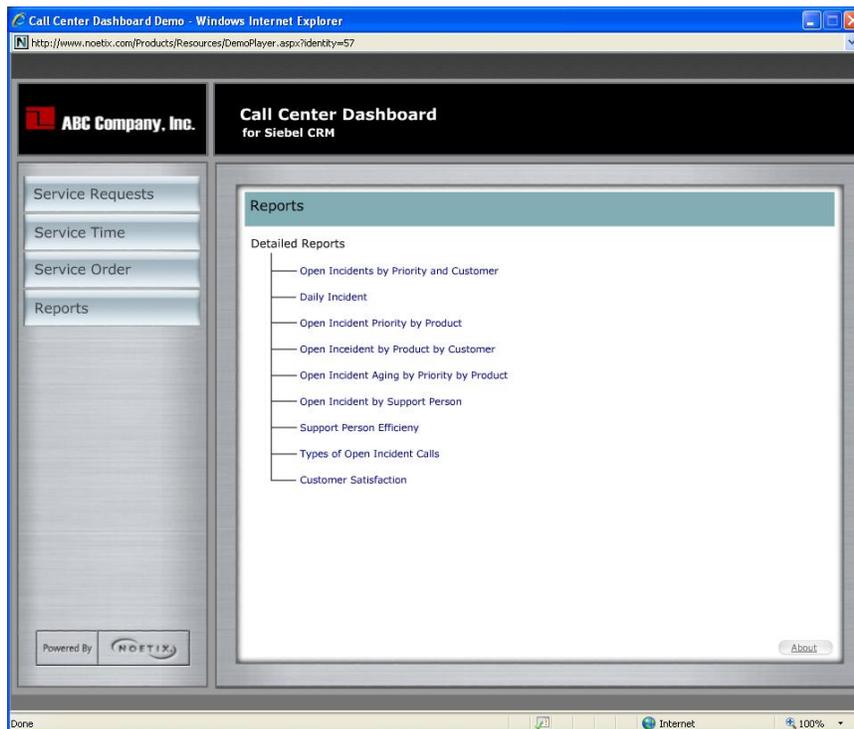
Below is a sample Noetix Dashboard with several options that display different data related to the purpose of that Dashboard.



Noetix Dashboard Sample – Screen 1



Noetix Dashboard Sample – Screen 2



Noetix Dashboard Sample – Screen 3

Conclusions and Recommendations

All of the tools reviewed in this presentation are good products. They can enhance BI Reporting depending on an organization’s requirements. The chart below summarizes some of the key points for each tool.

BI Tool	Pros	Cons
BI Discoverer	<ul style="list-style-type: none"> • Least expensive • Works well for organizations just needing limited BI reporting 	<ul style="list-style-type: none"> • No pre-built reports • Creating the EUL requires time and good technical resources • No seamless dashboard capability
BI Applications	<ul style="list-style-type: none"> • Many “canned reports” available • Many dashboards available • Using materialized views will minimize performance impact for Oracle Applications users 	<ul style="list-style-type: none"> • Does not access data in real time • Set up is more complicated than the other options
Noetix	<ul style="list-style-type: none"> • Noetix Views make this the easiest option for ad hoc reporting • Many “canned reports” available • Many dashboards available 	<ul style="list-style-type: none"> • Multiple vendors • Another technology to support

BI Tool Comparison

Choosing the right BI Reporting tool for an organization depends on the reporting needs of that organization. Some organizations may just need some limited ad hoc reporting while other organizations want a complete BI solution. The table below summarizes some recommendations based on the “overall” reporting requirements.

Organization Requirements	Recommendations
Ad hoc data access tool for a limited number of data requirements	BI Discoverer with help from technical resources experienced with creating an effective EUL.
Ad hoc reporting across a number of Oracle Application modules without the need for dashboard reporting	Noetix Views with either of the following options: <ol style="list-style-type: none"> 1. BI Discoverer 2. Noetix WebQuery and Noetix Answers <p>The option picked depends on reviewing the canned reports provided by Noetix Answers and determining how well they meet the organization’s requirements.</p>
Complete BI reporting environment including: <ol style="list-style-type: none"> 1. Ad hoc reporting 2. Management summary reporting using a Dashboard framework 3. Various Oracle Application Modules 	One of the following options <ol style="list-style-type: none"> 1. BI Applications and BI Discoverer 2. Noetix Platform with all of its components <p>The option picked depends on comparing each option’s available canned dashboards and reports to the organizations BI Reporting requirements. This requires reviewing the actual reports available in each dashboard for the Oracle Application modules in use.</p>

BI Tool Recommendations

Of course there are other issues that will influence the BI Reporting Tool decision. These usually involve technical issues and comparable costs. However, these technical issues may not be that significant when compared with the following benefits:

1. Quick implementation of a BI solution to improve immediate decision making.
2. Long term benefits of having a tool that is flexible and allows reporting to easily change as the organization changes.

Answering the question of which reporting software is right for you, we can’t do. What we have provided in this paper is the overview of each of the most popular reporting tools for your Oracle data. The information herein should assist your decision making process and help you compare the pros and cons against your needs. It is now up to you to determine the best tool, or the best combination of tools, to provide your organization’s users with the reporting mechanism they need to be more effective and efficient in their roles.