

O2 Works

Putting Oracle to Work

Oracle E-Business Specialists

Extending Oracle WebADI

Putting Users in Control

NCOAUG Training Day

Winter 2009

Jake Walsh



3/5/2011



Introduction

Jake Walsh, Technical Consultant, O2Works

- Over 10 years of Application Development for Consulting Firms
- Specializing in Forms, Reports, Conversions and Interface along with Custom Application Development

Agenda

- Overview of WebADI
- Benefits of using WebADI
- Standard/Delivered Functionality
- Benefits of Expanding WebADI
- Business Case
- Summary
- Questions?

WebADI Overview

- What is WebADI?
 - Previously ADI (Application Desktop Integrator)
- Oracle Requirements
 - WebADI introduced in release 11.0
 - Compatible with RDBMS v7.1.6 or higher
- Client Requirements
 - Windows 95 or above
 - MS Excel 97 or above
 - IE 5 or above

Benefits of using WebADI

- Load data into database tables
- Load data using APIs
- Alleviates IT Interface Responsibilities
- Application User controls entire process
- Familiar medium (Excel)
- Low cost solution

Standard/Delivered Functionality

- Standard Integrators
 - HRMS/Payroll
 - General Ledger
 - Projects
 - Fixed Assets

Standard/Delivered Functionality

The screenshot shows the Oracle E-Business Suite web interface. The browser title is "Oracle Applications Home Page - Windows Internet Explorer". The address bar shows a URL starting with "http://erpptest.amccastle.com:8005/OA_HTML/OA.jsp?OAFunc=OAHOMEPAGE&akRegionApplicationId=08&navRespId=50149&navRespAppId=2318&navSecGrpId=0&transactionId=1526385492&oapc=2&oas=39jt". The page header includes "ORACLE E-Business Suite" and "Logged In As CONVERSION". The main content area is divided into a "Navigator" section on the left and a "Favorites" section on the right. The "Navigator" section contains a tree view of application areas, including "Application Developer", "Oracle Web ADI", "Order Management Super User", "Payables Manager", "Purchasing Super User", "Receivables Manager", "System Administrator", "US HRMS Manager", and "XML Publisher Administrator". The "Favorites" section contains the text: "You have not selected any favorites. Please use the 'Edit Favorites' button to set up your favorites." The footer of the page includes "Copyright (c) 2006, Oracle. All rights reserved." and "Privacy Statement". The Windows taskbar at the bottom shows the Start button, several open applications, and the system clock displaying "8:29 PM".

Standard/Delivered Functionality

Oracle Web ADI: Create Document - Windows Internet Explorer

http://erptest.amcastle.com:8005/oa_servlets/oracle.apps.bne.webui.BneApplicationService

File Edit View Favorites Tools Help

Microsoft Outlook Web Access Oracle Web ADI: Create ...

Home Feeds (J) Print Page Tools

Integrator

Viewer Integrator Layout Content Review

Viewer **Excel 2003 Reporting No**

Select Integrator

The Integrator determines the functional area of your document.

Integrator

- Castle Customer Items
- Create User Column Instance(Matrix)
- Download Statutory Situations
- EGO Bulkload Integrator
- EGO Item Org Assignment Integrator
- EGO-Item Category Assignment Integrator
- EGO-Item People Assignment Integrator
- Financials Intelligence - Budget and Forecast
- Full Settlement Report - Multiple Leavers
- Full Settlement Report - Single Leaver
- GSP Approval UI Download Employees
- General Ledger - Daily Rates
- General Ledger - Historical Rates
- General Ledger - Journals
- HR Assignment Detail
- HR Assignment Folder Detail
- HR Create Integrator Responsibility Restrictions
- HR Create Standalone Query
- HR Disable Integrator
- HR Integrator Setup
- HR KI Create Integration
- HR KI Create Topic Integration
- HR KI Update Integration
- HR KI Update Topic Integration
- HR Maintain Integrator Form Function Associations
- HR Maintain Integrator Responsibility Restrictions
- HR Maintain Standalone Query
- HR People Details
- HR People Folder Detail
- HR Student Employee Integrator
- HR Update Salary Proposals

Cancel Back Next

© Copyright 2001 Oracle Corporation. All rights reserved.

Done

start NCOAUG - Web... apps@world Reports Builder... 3 Microsoft O... 3 Internet Ex... Microsoft Powe... Oracle Applicati... 8:52 PM

Standard/Delivered Functionality

Microsoft Excel - Book1

File Edit View Insert Format Tools Data Oracle Window Help

List of Values
Upload
Monitor
About

View context View header

Balance Type
Database
Set of Books

Budget
COSXAOR0F.AMCASTLE.COM.TEST2
AMC US

Organization List-Text

Upl Category	Source	Currency	Budget Name	Period	Company Commercial	Uni Branch	Department	Account	SubAccount	Intercompany	Future Use	Debit	Credit
* List-Text	* List-Text	* List-Text	List-Text	List-Text	* List-Text							* Number	* Number
Totals:												0	0

Tip: This is not the end of the Template. Unprotect the sheet and insert as many rows as needed.

Standard/Delivered Functionality

The screenshot displays a Microsoft Excel window titled "Microsoft Excel - Book1". The main spreadsheet area shows a budget template with columns for "UpI Category", "Source", and "Currency". A "Journals Upload" dialog box is open, titled "Upload Parameters". The dialog box contains the following options:

- Rows to Upload:
 - All Rows
 - Flagged Rows
 - Validate Before Upload
 - Automatically Submit Journal Import
Journal Import will be automatically submitted on successful completion of the upload
 - Create Summary Journals
Journal Import will summarize all transactions that share the same account, period and currency
- Descriptive Flexfields:
 - Do Not Import
 - Import With Validation
 - Import Without Validation
Specify how Journal Import will handle descriptive flexfields

The dialog box also features "Close" and "Upload" buttons. The background spreadsheet includes a "Totals" row with a tip: "Tip: This is not the end of the Template. Unprotect the sheet". The Windows taskbar at the bottom shows the system tray with the time 9:24 PM and the text "NUM".

Standard/Delivered Functionality

The screenshot displays the Oracle Applications interface for Salary Management. The main window is titled "Salary Management" and contains a table with the following columns: Full Name, Assignment Number, Salary Basis, Approved Date, and App. The table is currently empty. Below the table, there is an "Approve" button. The interface also includes a menu bar (File, Edit, View, Folder, Tools, Window, Help) and a toolbar with various icons. The Oracle logo is visible in the top right corner. The Windows taskbar at the bottom shows the start button, several open applications, and the system tray with the time 8:35 PM.

Full Name	Assignment Number	Salary Basis	Approved Date	App

Standard/Delivered Functionality

The screenshot shows a Microsoft Excel spreadsheet with a data table. The table has the following columns: Upl CHANGE_DATE, BUSINESS_GROUP_ID, ASSIGNMENT_ID, COMPONENT_REASON_1, APPROVED_1, COMPONENT_REASON_2, APPROVED_2, COMPONENT_REASON_3, APPROVED_3, and COMPONENT_REASON. The data rows show a date of 2/4/2008 and various assignment IDs and component reasons, all with 'JOEV' as the component reason and 'LOAD' as the reason type. The spreadsheet is titled 'Microsoft Excel - Book1' and has a 'List of Values' menu open over the 'Upl CHANGE_DATE' column.

Upl CHANGE_DATE	BUSINESS_GROUP_ID	ASSIGNMENT_ID	COMPONENT_REASON_1	APPROVED_1	COMPONENT_REASON_2	APPROVED_2	COMPONENT_REASON_3	APPROVED_3	COMPONENT_REASON
2/4/2008		0	3725 COL		JOEV		LOAD		MKAD
		0	5699 COL		JOEV		LOAD		MKAD
		0	3175 COL		JOEV		LOAD		MKAD
		0	2601 COL		JOEV		LOAD		MKAD
		0	6216 COL		JOEV		LOAD		MKAD
		0	305 COL		JOEV		LOAD		MKAD
		0	2504 COL		JOEV		LOAD		MKAD
		0	6553 COL		JOEV		LOAD		MKAD
		0	3106 COL		JOEV		LOAD		MKAD
		0	3840 COL		JOEV		LOAD		MKAD
		0	3705 COL		JOEV		LOAD		MKAD
		0	1058 COL		JOEV		LOAD		MKAD
		0	3988 COL		JOEV		LOAD		MKAD
		0	5254 COL		JOEV		LOAD		MKAD
		0	6854 COL		JOEV		LOAD		MKAD
		0	7280 COL		JOEV		LOAD		MKAD
		0	2669 COL		JOEV		LOAD		MKAD
		0	3735 COL		JOEV		LOAD		MKAD
		0	352 COL		JOEV		LOAD		MKAD
		0	4842 COL		JOEV		LOAD		MKAD
		0	77 COL		JOEV		LOAD		MKAD
		0	3751 COL		JOEV		LOAD		MKAD
		0	2670 COL		JOEV		LOAD		MKAD
		0	4752 COL		JOEV		LOAD		MKAD
		0	809 COL		JOEV		LOAD		MKAD
		0	5328 COL		JOEV		LOAD		MKAD
		0	4242 COL		JOEV		LOAD		MKAD
		0	844 COL		JOEV		LOAD		MKAD
		0	1016 COL		JOEV		LOAD		MKAD
		0	5984 COL		JOEV		LOAD		MKAD
		0	3001 COL		JOEV		LOAD		MKAD
		0	3107 COL		JOEV		LOAD		MKAD
		0	7142 COL		JOEV		LOAD		MKAD
		0	3108 COL		JOEV		LOAD		MKAD
		0	313 COL		JOEV		LOAD		MKAD
		0	6872 COL		JOEV		LOAD		MKAD

Benefits of Expanding WebADI

- Standard Interfaces
 - Load Interface Tables
 - Call APIs
- Custom Interfaces
 - Load Custom Tables
- Conversions

Business Case-Customer Items

- Customer Item Interface
 - Load Custom Table
 - Submit Concurrent Process
- Create Integrator
 - Create Custom Table
 - Register Custom Table
 - Create Integrator using standard APIs
 - BNE_INTEGRATOR_UTILS API

Business Cast-Customer Items

Oracle Web ADI: Define Layout - Windows Internet Explorer

http://erptest.amcastle.com:8005/oa_servlets/BneApplicationService

File Edit View Favorites Tools Help

Creating custom Web ADI In... Oracle Web ADI: Define L...

Home Feeds (0) Print Page Tools

Layout

Update Layout

Determine the fields to be included in the Layout, their placement and default values.

Required Fields

Choose the placement for required fields in your document.

Field Name	Placement	Default Value	Default Type
Action	Lines		None
Cust Acct Num	Lines		None
Cust Item Number	Lines		None
Internal Part Num	Lines		None
Rank	Lines		None

Optional Fields

Select the optional fields to include in your document and their placement.

[Select All](#) | [Select None](#)

Select Field Name	Placement	Default Value	Default Type
<input checked="" type="checkbox"/> Context	Lines		None
<input checked="" type="checkbox"/> Cut Shape	Lines		None
<input checked="" type="checkbox"/> Cut Width-Inches	Lines		None
<input checked="" type="checkbox"/> Cut Length-Inches	Lines		None
<input checked="" type="checkbox"/> Cust Item Description	Lines		None
<input type="checkbox"/> PROCESS_FLAG	Lines		None
<input type="checkbox"/> REQUEST_ID	Lines		None
<input type="checkbox"/> PROGRAM_UPDATE_DATE	Lines		None
<input type="checkbox"/> LAST_UPDATED_BY	Lines		None
<input type="checkbox"/> ERROR_MESSAGE	Lines		None

Cancel Apply

Done

Internet 100%

start NCOAUG - Web... apps@test Reports Builder... 3 Microsoft O... 3 Internet Ex... Microsoft Powe... Oracle Applicati... 9:06 PM

Business Case-Customer Items

The screenshot shows a web browser window titled "Oracle Web ADI: Create Document - Windows Internet Explorer". The address bar displays the URL: http://erptest.amcastle.com:8005/oa_servlets/oracle.apps.bne.webui.BneApplicationService. The browser interface includes a menu bar (File, Edit, View, Favorites, Tools, Help) and a toolbar with navigation and utility icons. The main content area is titled "Integrator" and features a progress bar with five steps: Viewer, Integrator (highlighted), Layout, Content, and Review. Below the progress bar, the text reads "Viewer Excel 2003 Reporting No". A section titled "Select Integrator" contains the instruction "The Integrator determines the functional area of your document." and a dropdown menu labeled "Integrator" with "Customer Items" selected. At the bottom right of this section are buttons for "Cancel", "Back", and "Next". The footer of the page states "© Copyright 2001 Oracle Corporation. All rights reserved." The Windows taskbar at the bottom shows the Start button, several open applications (including Microsoft Office and Adobe Reader), and the system clock displaying 9:58 PM on 11.5.10.

Business Case-Customer Items

The screenshot shows a Microsoft Excel spreadsheet with a table template. The table has the following columns: Upd Action, Cust Acct Num, Cust Item Number, Internal Part Num, Rank, Context, Cut Shape, Cut Width-Inches, Cut Length-Inches, Cust Item Descriptor, and Messages. A dropdown menu is open for the 'Upd Action' cell, showing options: CREATE, INACTIVATE, and UPDATE. Below the table, a tip reads: "Tip: This is not the end of the Template. Unprotect the sheet and insert as many rows as needed." The Excel interface includes the menu bar (File, Edit, View, Insert, Format, Tools, Data, Oracle, Window, Help), the toolbar, and the Windows taskbar at the bottom.

Upd Action	Cust Acct Num	Cust Item Number	Internal Part Num	Rank	Context	Cut Shape	Cut Width-Inches	Cut Length-Inches	Cust Item Descriptor	Messages
*List - Text				Rank=0 Inactivates	*List - Text	*List - Text				

Tip: This is not the end of the Template. Unprotect the sheet and insert as many rows as needed.

Unexplored Potential

- Lists of Values
 - Used 'Table' Dropdown.
 - JAVA, DFF, KFF, Expanded SQL
- Call a Concurrent Program after data loaded
- Comprehensive Validation

Questions

Questions/Comments

Slides Available

O2Works – Knowledge Base:

www.o2works.com

Jake Walsh

Technical Consultant

773-750-1894

jwalsh@o2works.com

O2Works LLC

Dallas – Chicago - Denver