

# WebADI for R12 SubLedger Accounting

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Session 8620

- This is Revision 2 of the presentation
- New features are being released for Web ADI a quick pace, this presentation is based on 12.1.3
- Please check the OAUG papers database for updates
- I will also have updates on my web site:  
<http://jrpjr.com>  
Click on Paper Archives on the right hand side, then Collaborate11- WebADI for R12 SubLedger Accounting

# Agenda

- Introduction
- What is WebADI, Settings/Versions
- WebADI Processing of Data
- Custom SubLedger Accounting JE Interface
- Demo
- Steps To Create Custom WebADI Integrators
- Create the Integrator & Interface
- Create the Layout
- Save a Document as a Menu Function
- Recent Enhancements
- Additional Resources

# Introduction

- John Peters, JRPJR, Inc
- Independent Consulting in the San Francisco Bay Area
- I have been working with Oracle E-Business Suite since 1992, early days of Release 10 character mode
- I have presented many technical papers at numerous OUAG, IOUG and OpenWorld conferences
- Founding member of the Northern California OAUG GEO
- Current Coordinator for the Workflow SIG

# Introduction

- I have worked on multiple Journal Entry Interfaces into SubLedger Accounting for several R12 Clients
- The most recent one involved integrating various external accounting and transactional systems with R12.1.3 SLA
- The client was a large shipping services company that has gone through many mergers and acquisitions that did not fully integrate their information systems
- This was a new R12 implementation with a new COA and business processes all the way through Procure to Pay, Order to Cash and Fixed Assets

# Introduction

- SubLedger Accounting has a public PL/SQL API for integrating in Journal Entries

`XLA_JOURNAL_ENTRIES_PUB_PKG`

- What SubLedger Accounting does not have is a WebADI interface like GL has for interfacing in Journal Entries
- This presentation will go over the creation of a custom WebADI interface for SubLedger Accounting to support the integration of accounting transactions from the clients various external systems

# What is WebADI

# What is Web ADI?

- How many of you are now using Web ADI as opposed to Desktop ADI?
- Not the same old Desktop ADI (Client ADI)
- Nothing to pre-install on the PC, all downloaded from the web browser
- Works with current Microsoft Excel, Word, and Project (32 bit versions)
- Only ADI tool available in R12, but also works with 11i
- Only ADI tool available for Vista and Windows 7 OS's
- Good resource for supported versions and other info:  
ML Note: 417692.1 Installing, Configuring and Troubleshooting Web ADI

# Web ADI requires security setting changes

- ML Note: 1077728.1 Using Microsoft Office 2007 and 2010 with Oracle E-Business Suite 11i and R12
- These settings essentially loosen the security of your PC
- You can also now digitally sign your Desktop Integrators ML Note: 1095155.1, which allows you to keep your Excel security settings high

# IE Browser Settings

- Select 'Tools' -> 'Internet Options' -> 'Security' (Tab) from the browser menu
- Select the appropriate zone i.e. 'Trusted Sites' -> 'Custom Level' (button)
- Under the 'Downloads' section ensure 'File download' is enabled
- Set 'Allow Status bar updates via script' to 'Enable'
- I also identify the server as a Trusted Site

# Excel 2010 Settings

- Click File -> Options
- Click 'Trust Center' link in the 'Excel Options' window
- Click 'Trust Center Settings...' button
- In the 'Trust Center' window click 'Macro Settings' link from the menu on the left
- Under 'Macro Settings' check 'Disable all macros with notification'
- Under 'Developer Macro Settings' check 'Trust Access to the VBA project object model'
- Click 'OK' button to close the 'Trust Center' window
- Click 'OK' button to return to the spreadsheet

# Web Application Desktop Integrators

- It is a set of meta data in the DB that define an “Integrator”
- You can optionally specify “Contents” which are extracts of data to download into your spreadsheet template
- Various “Layouts” can be applied on top of one “Integrator” to create specific tools for different groups of users
- Ability to create the Web ADI “Document” from a user menu item and download it to the users desktop
- Web ADI Documents can be both
  - Data extracted from the E-Business Suite
  - Data interfaced into the E-Business Suite

# E-Business Suite Uses of Web ADI

- Web ADI Integrators are now used by many modules in the E-Business Suite, it has become a tool that all development groups use.
- Over 240 Integrators predefined by Oracle in 12.1.3

APPLICATION_NAME	COUNT(*)	APPLICATION_NAME	COUNT(*)
APAC Consulting Localizations	9	Operations Intelligence	3
Advanced Benefits	4	Oracle Price Protection	3
Advanced Product Catalog	5	Payroll	32
Application Report Generator	1	Projects	7
Assets	5	Public Sector Financials International	6
CRM Foundation	6	Public Sector HR	5
Custom Development	1	Public Sector Payroll	3
Enterprise Performance Foundation	6	Report Manager	2
Financial Consolidation Hub	11	Sales	2
Financial Intelligence	2	Sales Offline	1
Financials Common Modules	1	Scheduler	1
General Ledger	5	Site Management	2
Human Resources	83	Student System	9
Incentive Compensation	1	Supply Chain Intelligence	5
Information Technology Audit	1	Trade Management	4
Internal Controls Manager	9	Transfer Pricing	2
Learning Management	2	Web Applications Desktop Integrator	1
Marketing	3	iSupplier Portal	1



# WebADI Processing of Data

# Pre-Web ADI Method of Interfacing Data to E-Business Suite

- Perform Some Steps to create data
- Create a delimited file  
(comma, tab, pipe, etc)
- Upload file to server  
ftp, scp, custom OA Framework Upload Page
- SQL\*Loader Concurrent Program to load into table  
Handle SQL\*Loader Parsing Errors  
File Handling, good, discards, bad
- Concurrent Program to validate, derive and I/F data into the E-Business Suite

# Custom Web ADI Method of Interfacing Data

- Perform Some Steps to create data
- Cut and Paste data into Web ADI Template
- Upload from Excel
- Concurrent Program to validate, derive and I/F data into the E-Business Suite
- Web ADI eliminates the steps associated with:
  - Flat file transport
  - Parsing/loading
  - File handling after loading

# Overall Custom SLA JE Process

- Web ADI uploads Journal Entries from Excel to a custom staging table
- Custom concurrent program performs derivations and validations against the data in the staging table
- Then the Journal Entries are interfaced to the base Oracle E-Business Suite XLA tables using the PL/SQL API XLA\_JOURNAL\_ENTRIES\_PUB\_PKG



# Custom SubLedger Accounting JE Interface

# Business Requirement

- The client is a shipping services company, new R12.1.3 implementation, financial modules are being used, new COA
- The client has well over three dozen external systems that will continue to feed transactions and data into R12 in Legacy formats (COA, Customers, Suppliers, etc)
- Some data interfaces will be eventually automated with extracts, transfers and loads
- For now the JE interfaces need human intervention to “tweak” the data prior to load into R12

# Solution Design

- Custom staging table to hold Legacy data
- For now data will be uploaded from Excel to the staging table using a Custom WebADI process, eventually we can replace a WebADI process with a more traditional File or DB Link I/F
- Concurrent program is run to validate and convert to R12 then interface into SubLedger Accounting using a PL/SQL API
- Error correction form on the custom staging table to allow users to fix errors and resubmit

# SubLedger Accounting JE PL/SQL API Calls

- Create an SLA JE Header using:  
`XLA_JOURNAL_ENTRIES_PUB_PKG.CREATE_JOURNAL_ENTRY_HEADER`
- Create an SLA JE Line(s) using:  
`XLA_JOURNAL_ENTRIES_PUB_PKG.CREATE_JOURNAL_ENTRY_LINE`
- Complete the SLA JE Header using:  
`XLA_JOURNAL_ENTRIES_PUB_PKG.COMPLETE_JOURNAL_ENTRY`

# Custom Staging Table

- Custom Header Level Data Table  
XXPAG\_XLA\_JE\_HEADERS\_IF
- Custom Line Level Data Table  
XXPAG\_XLA\_JE\_LINES\_IF
- Custom Errors Table  
XXPAG\_XLA\_JE\_IF\_ERRORS



# Demo

# Steps To Create Custom WebADI Integrators

# Steps to Create the Custom Web ADI

1. Create an Integrator  
(Resp = Desktop Integration Manager)  
Table or API to insert into
  - Integrator, Interface, Content, Uploader, Importer
2. Create a Component (optional)  
(Resp = Desktop Integration Manager)  
List of Values to be used by the Integrator
3. Create a Layout  
(Resp = Desktop Integration)  
The display characteristics of the columns from the Integrator
4. Create a Document  
(Resp = Desktop Integration)  
This is the actual Web ADI Template  
Optionally Save as a Menu Function

# Creating Custom Web ADI

- You can use the old PL/SQL API method to define your Integrator

- PL/SQL Procedure BNE\_INTEGRATOR\_UTILS
  - ✓ CREATE\_INTEGRATOR
  - ✓ CREATE\_INTERFACE\_FOR\_API
  - ✓ CREATE\_DEFAULT\_LAYOUT
  - ✓ UPDATE\_INTERFACE\_COLUMN\_TEXT
  - ✓ CREATE\_TABLE\_LOV

or

- You can use the new User Interface (Wizards)
  - **Integrator & Interface**  
Responsibility: Desktop Integration Manager
  - **Layout**  
Responsibility: Desktop Integration

# Create the Integrator & Interface

# Create the Integrator & Interface

- I will show the wizard based UI method of creating these
- The Integrator is the essentially the name that holds all of the meta data together for you spreadsheet integration
- The Interface is how the data is uploaded from the desktop application to the Oracle E-Business Suite
  - Table
  - PL/SQL API Procedure
  - PL/SQL API Function

# Create the Integrator

The screenshot shows a web browser window titled "WebADI Development Framework - Windows Internet Explorer". The address bar shows the URL: `http://pagcrp4.ports.corp:25000/OA_HTML/OA.jsp?page=/oracle/apps/bne/wdf/`. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The toolbar contains various icons for navigation and actions like Save, Generate, and Sync. The main content area displays the "ORACLE Desktop Integration Manager" interface. A navigation bar at the top of the application has tabs for "Integrator", "Interfaces", "Contents", "Uploader", and "Importer", with "Integrator" being the active tab. Below the navigation bar, there are links for "Home", "Logout", "Preferences", and "Help". The main content area is titled "Integrator Information" and includes a progress indicator showing "Step 1 of 5". A "Cancel" button is visible. The "Enter Integrator Information" section contains the following fields:

- \* Integrator Name:
- Internal Name:
- Application:
- Enabled:
- Display in Create Document Page

Below this is a section for "Integrator parameters" which is currently collapsed. The "Security Rules" section is expanded, showing a "Function" dropdown menu with a search icon and an "Add" button. The "Selected Functions" list includes:

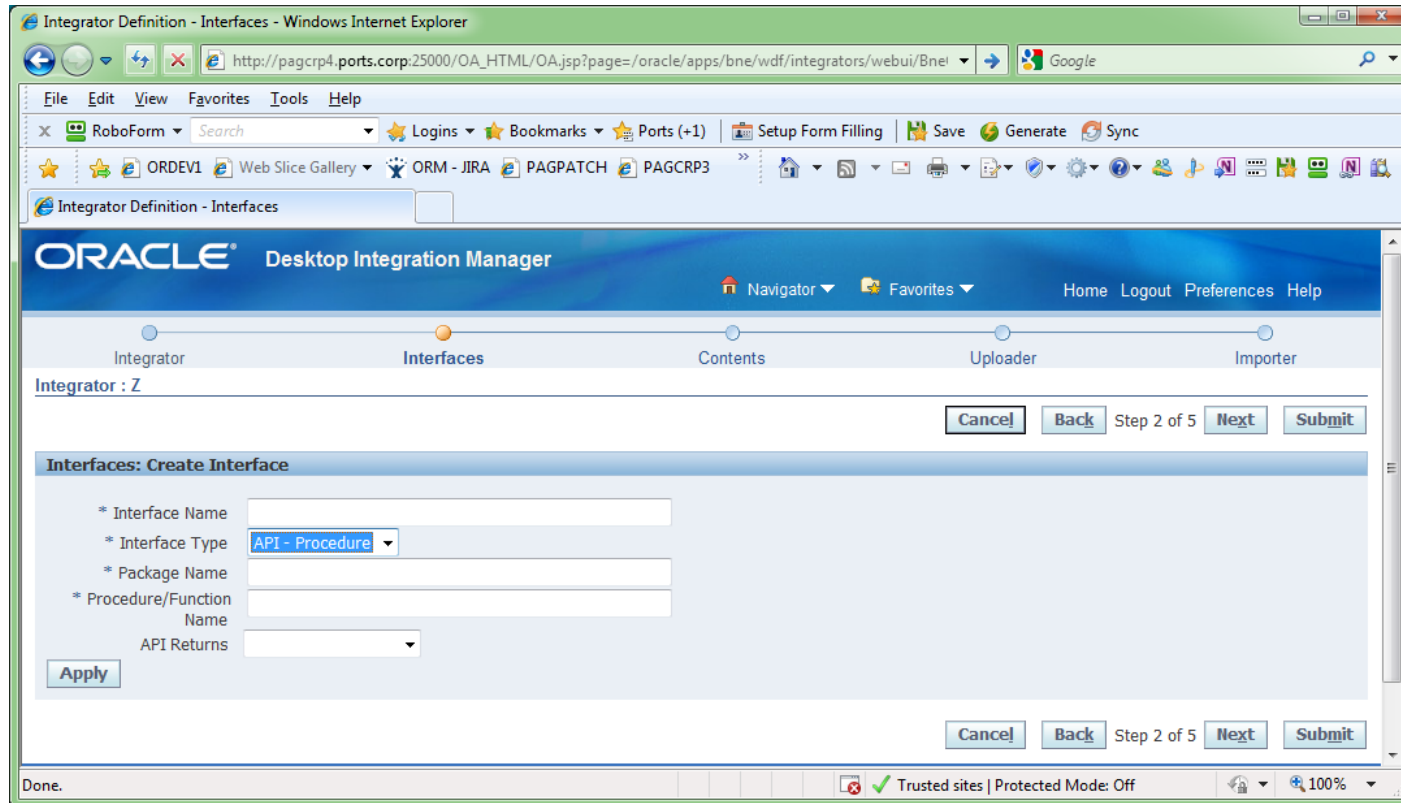
- Desktop Integration - Create Document
- XXPAG SubLedger Accounting WebADI Create Document

At the bottom of the "Security Rules" section, there are "Cancel" and "Next" buttons. The footer of the application contains "Privacy Statement", "Home", "Logout", "Preferences", and "Help" links, along with the copyright notice "Copyright (c) 2006, Oracle. All rights reserved." The browser's status bar at the bottom shows "Done", "Trusted sites | Protected Mode: Off", and a zoom level of "100%".

# Integrator Fields

- **Integrator Name** – name you will see if the forms
- **Internal Name** – keep this name short
- **Application** – create under your custom application name
- **Enabled** – this appears to be the only way to disable an integrator
- **Display in Create Document Page** – I allow this, more on this later
- **Integrator Parameters** – you can create a parameters page required to specify constraints on a download document
- **Security Rule** – I create my own function and assign this, along with the seeded 'Desktop Integration – Create Document' which allows the users to use the Create Document Page
  
- Click **Next**

# Create the Interface – step 1



# Interface Fields – step 1

- **Interface Name** – name you will see if the forms, keep this name short (6 to 8 characters) since it is used by the wizard (or PL/SQL API) to autocreate column definitions
- **Interface Type** – select an interface type
  - Table
    - Table Name
  - API – Procedure
    - Package Name
    - Procedure/Function Name
    - API Returns
  - API – Function
    - Package Name
    - Procedure/Function Name
    - Returns error information
    - API Returns
- Click **Apply**

# Interface Caveats

- Oracle currently only supports one interface per integrator
- Oracle currently only supports interfaces to a single level data structure
  - Example: there are only lines, no header and lines
- This is kind of frustrating because the Excel Spreadsheet has Header and Line data structures. WebADI combines them when uploading the data.
- To get around this you have to create a PL/SQL Procedure that:
  - ✓ The parameters must be header columns, then line columns
  - ✓ Procedure finds the header record
  - ✓ If not found it creates the header record
  - ✓ Then insert a line record referencing the existing header
  - ✓ Repeat for each row

# My Interface PL/SQL

- PL/SQL Procedure to insert New COA data  
`XXPAG_XLA_JE_IF.WEBADI_INSERT_NEW_COA`
- PL/SQL Procedure to insert Legacy COA data  
`XXPAG_XLA_JE_IF.WEBADI_INSERT_LEG_COA`
- Both of these insert records into the custom staging table using a common routine. This was done to narrow down the parameters to just those that are required for each type of action.
- For each row of data we need to check if there is a header record if not create it for the first row

# Create the Interface – step 2

The screenshot shows the Oracle Desktop Integration Manager interface. The breadcrumb trail is: Integrator > Interfaces > Contents > Uploader > Importer. The current page is 'Interfaces', and the selected integrator is 'XXPAG SubLedger Accounting JE I/F - Legacy COA'. The interface configuration is for 'XLALEG'. A red arrow points to the 'Create Interface' button and the selected interface name 'XLALEG' in the table below.

Select Interface Name	Type	Entity Name	Delete
<input checked="" type="radio"/> XLALEG	Procedure	XXPAG_XLA_JE_IF.WEBADI_INSERT_LEG_COA	

Interface : XLALEG

API Returns:

**Interface Attributes**

Attribute Name	Prompt Left	Data Type	Enabled	Displayed	Default Type	Default Value	Attribute Type	Update	Delete
P_COA_USE_JOB_NUMBER_FUNCTION	COA Use Job Numb Func	String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Real		
P_COA_USE_JOB_NUMBER_COMMODITY	COA Use Job Numb Com	String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Real		
P_COA_USE_JOB_NUMBER_SERVICE	COA Use Job Numb Servi	String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Real		
P_COA_USE_JOB_NUMBER_SITE	COA Use Job Numb Site	String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Real		
P_COA_SEGMENT8	COA Legacy Segment8	String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Real		
P_COA_SEGMENT7	COA Legacy Segment7	String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Real		

# Interface Fields – step 2

- You must select the Interface Name
- Wait a few seconds for the bottom region to become visible
- I have found this form only works in IE, when ever I try to use it in Firefox it is way too slow to be usable

# Interface Fields – step 2

- **Attribute Name** – RO the PL/SQL Parameter, or table column name
- **Prompt Left** – left hand prompt in the document
- **Data Type** – RO from the parameter or column definition
- **Enabled** – should the attribute be used
- **Displayed** – should the attribute be displayed
- **Default Type** – Constant, Environment Variable, Parameter, Profile Option, SQL Query, Lookup
- **Attribute Type** – RO describing where it originated from
  
- Click **Update**

# Create the Interface – step 2

The screenshot shows the Oracle Integrator Definition - Interfaces tool. The main window displays a list of attributes with columns: Attribute Name, Prompt Left, Data Type, Enabled, Displayed, Default Type, Default Value, Attribute Type, Update, and Delete. A red circle highlights the 'Interface Attribute Definition' dialog box, which is used for defining validation rules for an attribute. The dialog includes a 'Validation' section with the following fields:

- Validation Type: Table
- Group Name: (empty)
- Id Column: LOOKUP\_CODE
- Meaning Column: LOOKUP\_CODE
- Desc Column: MEANING
- Validation Entity: XXPAG\_FND\_LOOKUP\_VALUES\_V
- Where Clause: LOOKUP\_TYPE = 'XLA\_ACCOUNTING\_CLASS'
- Component Name: Component for XLALEG\_XINTG\_INT
- Low Type: Standard

The 'Display Texts' section is also visible but empty. The background table shows attributes like P\_COA\_USE\_JOB\_NUMBER\_FUNCTION, P\_COA\_SEGMENT8, and P\_ACCOUNTING\_CLASS\_CODE.

# Interface Fields – step 2

- **Required** – Should this attribute be included in all layouts
- **Enabled for Mapping** – left hand prompt in the document
- **Available for Summary** –
- **Not NULL** – Prevent leaving the attribute NULL
- **Read Only** – Prevent the attribute from being changed
- **Validation Type** – Descriptive FlexField, Descriptive FlexField Context, Descriptive FlexField Segment, Group, Java, Key FlexField, Key FlexField Segment, Table
- **Group Name** –

# Interface Fields – step 2

## Table Validation

- **ID Column** – LOOKUP\_CODE
  - **Meaning Column** – MEANING
  - **Desc Column** – DESCRIPTION
  - **Validation Entity** – View you want query against
  - **Where Clause** – Your where clause for the view
  - **Component Name** – Prior defined component name
  - **LOV Type** – None, Pop List, Standard
- 
- Click **Save**
  - Click **Submit**

# Create Validations Using the PL/SQL APIs

- I found that the UI was way too cumbersome to create the WebADI LOV's that show up in the spreadsheet.
- So I used the old PL/SQL API's for defining the WebADI LOV's.

# Create Validations Using the PL/SQL APIs

- I found that the UI was way too cumbersome to create the WebADI LOV's that show up in the spreadsheet.
- So I used the old PL/SQL API's for defining the WebADI LOV's.
- First create the required views:

```

create or replace view XXPAG_FND_FLEX_VALUES_V as
  SELECT ffvs.FLEX_VALUE_SET_NAME,
         ffv.FLEX_VALUE_SET_ID,
         to_char(ffv.FLEX_VALUE) flex_value,
         to_char(ffvtl.DESCRPTION) description
  FROM FND_FLEX_VALUES_TL ffvtl,
       FND_FLEX_VALUES ffv,
       FND_FLEX_VALUE_SETS ffvs
 WHERE ffvtl.LANGUAGE = 'US'
       AND ffv.FLEX_VALUE_ID = ffvtl.FLEX_VALUE_ID
       and ffv.ENABLED_FLAG = 'Y'
       and SYSDATE between nvl(ffv.START_DATE_ACTIVE, SYSDATE)
 and nvl(ffv.END_DATE_ACTIVE, SYSDATE)
       AND ffvs.FLEX_VALUE_SET_ID = ffv.FLEX_VALUE_SET_ID;
  
```

# Create Window LOV's

```
declare
```

```
  v_interface_code varchar2(200) := 'XLANEW_XINTG_INTF1';
```

```
begin
```

```
  BNE_INTEGRATOR_UTILS.CREATE_TABLE_LOV
  (P_APPLICATION_ID           => 20003,
   P_INTERFACE_CODE          => v_interface_code,
   P_INTERFACE_COL_NAME      => 'P_SOURCE_SYSTEM',
   P_ID_COL                   => 'FLEX_VALUE',
   P_MEAN_COL                 => 'FLEX_VALUE',
   P_DESC_COL                 => 'DESCRIPTION',
   P_TABLE                    => 'XXPAG_FND_FLEX_VALUES_V',
   P_ADDL_W_C                 => 'FLEX_VALUE_SET_NAME = ''XXPAG_SOURCE_SYSTEMS''',
   P_WINDOW_CAPTION           => 'Source Systems',
   P_WINDOW_WIDTH             => 400,
   P_WINDOW_HEIGHT            => 500,
   P_TABLE_BLOCK_SIZE         => 10,
   P_TABLE_SORT_ORDER         => 'FLEX_VALUE',
   P_USER_ID                  => 1110,
   P_POPLIST_FLAG             => 'N',
   P_TABLE_COLUMNS            => 'FLEX_VALUE,DESCRIPTION');
```

```
end;
```

# Create Pop-List LOV's

```
declare
```

```
  v_interface_code varchar2(200) := 'XLANEW_XINTG_INTF1';
```

```
begin
```

```
  BNE_INTEGRATOR_UTILS.CREATE_TABLE_LOV
```

```
  (P_APPLICATION_ID          => 20003,
```

```
   P_INTERFACE_CODE         => v_interface_code,
```

```
   P_INTERFACE_COL_NAME     => 'P_PRODUCT_CODE',
```

```
   P_ID_COL                  => 'PRODUCT_CODE',
```

```
   P_MEAN_COL                => 'PRODUCT_CODE',
```

```
   P_DESC_COL                => 'APPLICATION_NAME',
```

```
   P_TABLE                   => 'XXPAG_XLA_PRODUCT_CODES_V',
```

```
   P_ADDL_W_C                => NULL,
```

```
   P_WINDOW_CAPTION         => 'Product Codes',
```

```
   P_WINDOW_WIDTH           => 400,
```

```
   P_WINDOW_HEIGHT          => 500,
```

```
   P_TABLE_BLOCK_SIZE       => 10,
```

```
   P_TABLE_SORT_ORDER        => 'PRODUCT_CODE',
```

```
   P_USER_ID                 => 1110,
```

```
   P_POPLIST_FLAG            => 'Y',
```

```
   P_TABLE_COLUMNS           => 'PRODUCT_CODE,APPLICATION_NAME');
```

```
end;
```

# Optional Elements

- **The following are optional elements. You don't have to define them to get your Integrator working. Play with them later once you have defined your first Integrator.**
- **Contents**  
The definition of what data the integrator should initially populate the desktop document with. Effectively the query.
- **Uploader**  
The definition of what parameters the user should be prompted for during the upload action.
- **Importer**  
The definition of what to do once the data is uploaded, example, run a concurrent program.



# Create the Layout

# Create the Layout

- Layouts define how the Integrator will look in the Desktop Document
  - An Integrator can have multiple Layouts, this allows you to create user business process specific Web ADI's
- Examples:
- ✓ One for Payables SubLedger Accounting Journal Entries
  - ✓ One for Receivables SubLedger Accounting Journal Entries
  - ✓ One for a each External System
- You can easily duplicate an existing Layout then make the changes you need
  - This is can easily be done by a non-technical user
  - Use the responsibility:  
Desktop Integration

# Create the Layout

- This can also be accessed from the Integrators page

The screenshot shows the Oracle Desktop Integration Manager web interface. The browser title is "Web ADI Extension Framework - Windows Internet Explorer". The URL is "http://pagpatch.ports.corp:26000/OA\_HTML/OA.jsp?page=/oracle/apps/bne/wdf/inti". The page title is "ORACLE Desktop Integration Manager". The navigation bar includes "Navigator", "Favorites", "Home", "Logout", "Preferences", and "Help".

The main content area is titled "Integrators". It features a search section with the following fields and controls:

- Note that the search is case insensitive
- Integrator Name:
- Internal Name:
- Application:
- Source:
- Enabled:
- Buttons: Go, Clear

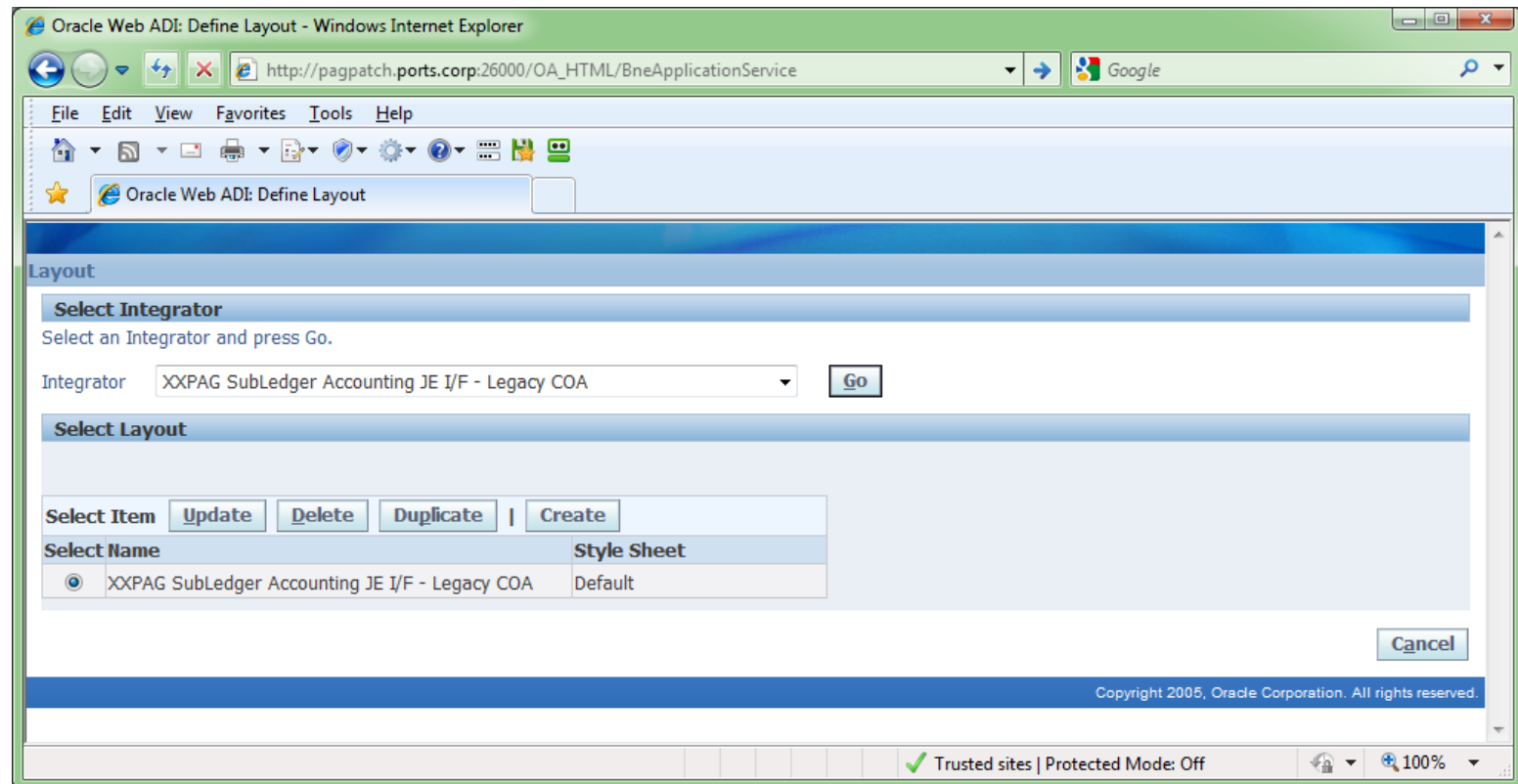
Below the search section is a "List of Integrators" section with tabs: "Select Integrator", "Define Layout", "Define Mapping", "Preview", and "Create Integrator". The "Select Integrator" tab is active, showing a table of integrators:

Select	Integrator Name	Internal Name	Application Name	Enabled	Source	Update	Delete
<input type="radio"/>	<a href="#">XXPAG SubLedger Accounting JE I/F - Legacy COA</a>	XLALEG	XXPAG Custom Application	Yes	Custom		
<input type="radio"/>	<a href="#">XXPAG SubLedger Accounting JE I/F - New COA</a>	XLANEW	XXPAG Custom Application	Yes	Custom		

The footer of the page includes "Home Logout Preferences Help", "Privacy Statement", and "Copyright (c) 2006, Oracle. All rights reserved." The browser status bar shows "Trusted sites | Protected Mode: Off" and "100%".

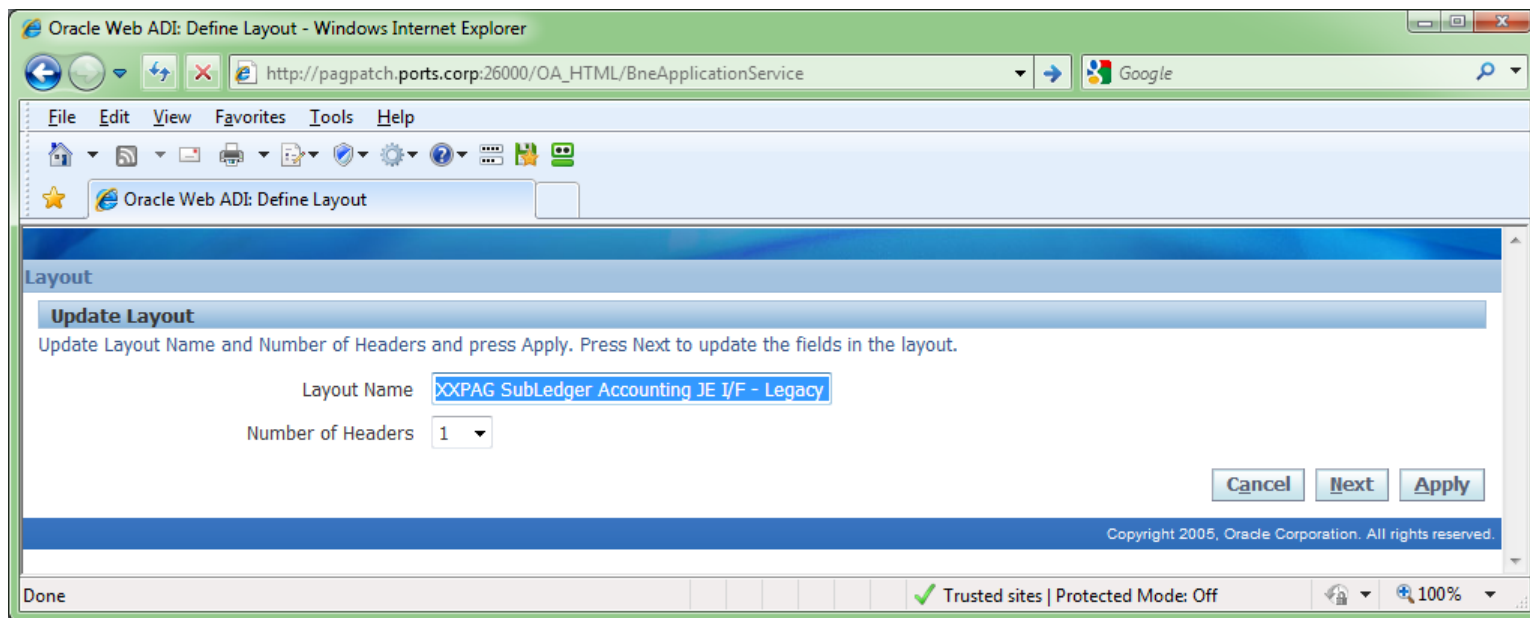
# Create the Layout

- Menu Item: Manage Layout
- Select the Integrator, then an existing Layout and Action, or Create



# Create the Layout

- Name the Layout
- Specify the Number of Header sections in the spreadsheet



# Create the Layout

- Specify which Fields of the Interface go in which section of the document HeaderN or Lines
- Specify the Default Values and Default Type

**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
Source System	Header 1		None
Source SubSystem	Header 1		None
Orig System Ref	Header 1		None
Product Code	Header 1		None
GL Ledger	Header 1		None
GL Date	Header 1		None
JE Header Desc	Header 1		None
User JE Category	Header 1		None
JE Line Number	Line		None
Job Number	Line		None
Cust Acct Num	Line		None
Line Desc	Line		None

Done

Trusted sites | Protected Mode: Off

100%

# Create the Layout

- Should the sheet be protected when downloaded
- Style Sheet identifies the colors and fonts in the spreadsheet
- Order of Header Fields and if they are Read Only or Hidden

Oracle Web ADI: Define Layout - Windows Internet Explorer

http://pagpatch.ports.corp.26000/OA\_HTML/BneApplicationService

File Edit View Favorites Tools Help

Layout

**Create Layout**

Protect Sheet  ▾

Style Sheet  ▾

Apply Filters  ▾

**XXPAG SubLedger Accounting JE I/F - Legacy COA**

Title  Prompt Span

Hint Span  Data Span

Field Name	Move Up	Move Down	Read Only	Hide
Source System	<input type="button" value="▲"/>	<input type="button" value="▼"/>	<input type="checkbox"/>	<input type="checkbox"/>
Source SubSystem	<input type="button" value="▲"/>	<input type="button" value="▼"/>	<input type="checkbox"/>	<input type="checkbox"/>
Orig System Ref	<input type="button" value="▲"/>	<input type="button" value="▼"/>	<input type="checkbox"/>	<input type="checkbox"/>
Product Code	<input type="button" value="▲"/>	<input type="button" value="▼"/>	<input type="checkbox"/>	<input type="checkbox"/>
GL Ledger	<input type="button" value="▲"/>	<input type="button" value="▼"/>	<input type="checkbox"/>	<input type="checkbox"/>
GL Date	<input type="button" value="▲"/>	<input type="button" value="▼"/>	<input type="checkbox"/>	<input type="checkbox"/>
JE Header Desc	<input type="button" value="▲"/>	<input type="button" value="▼"/>	<input type="checkbox"/>	<input type="checkbox"/>
User JE Category	<input type="button" value="▲"/>	<input type="button" value="▼"/>	<input type="checkbox"/>	<input type="checkbox"/>

Done Trusted sites | Protected Mode: Off 100%

# Create the Layout

- Number of rows for user data entry (users can insert and delete)
- Order of Line Fields, if they are Read Only, Width
- Identify where the Frozen Pane ends

Oracle Web ADI: Define Layout - Windows Internet Explorer

http://pagpatch.ports.corp:26000/OA\_HTML/BneApplicationService

File Edit View Favorites Tools Help

Oracle Web ADI: Define Layout

GL Date	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
JE Header Desc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
User JE Category	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Line**

All fields before the Frozen Pane will be fixed in the spreadsheet. Select the first field in the list if you do not want a frozen pane.

Data Entry Rows

Field Name	Move Up	Move Down	Read Only	Width	Frozen Pane
JE Line Number	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15	<input type="radio"/>
Job Number	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15	<input type="radio"/>
Cust Acct Numb	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15	<input type="radio"/>
Line Desc	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15	<input type="radio"/>
Acct Class	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15	<input type="radio"/>
Curr Code	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10	<input type="radio"/>
Entered DR	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15	<input type="radio"/>
Entered CR	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15	<input type="radio"/>
COA Legacy Map Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	20	<input type="radio"/>
COA Legacy Conc Segs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	30	<input type="radio"/>
COA Conc Segs Delimiter	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	20	<input type="radio"/>

Done

Trusted sites | Protected Mode: Off

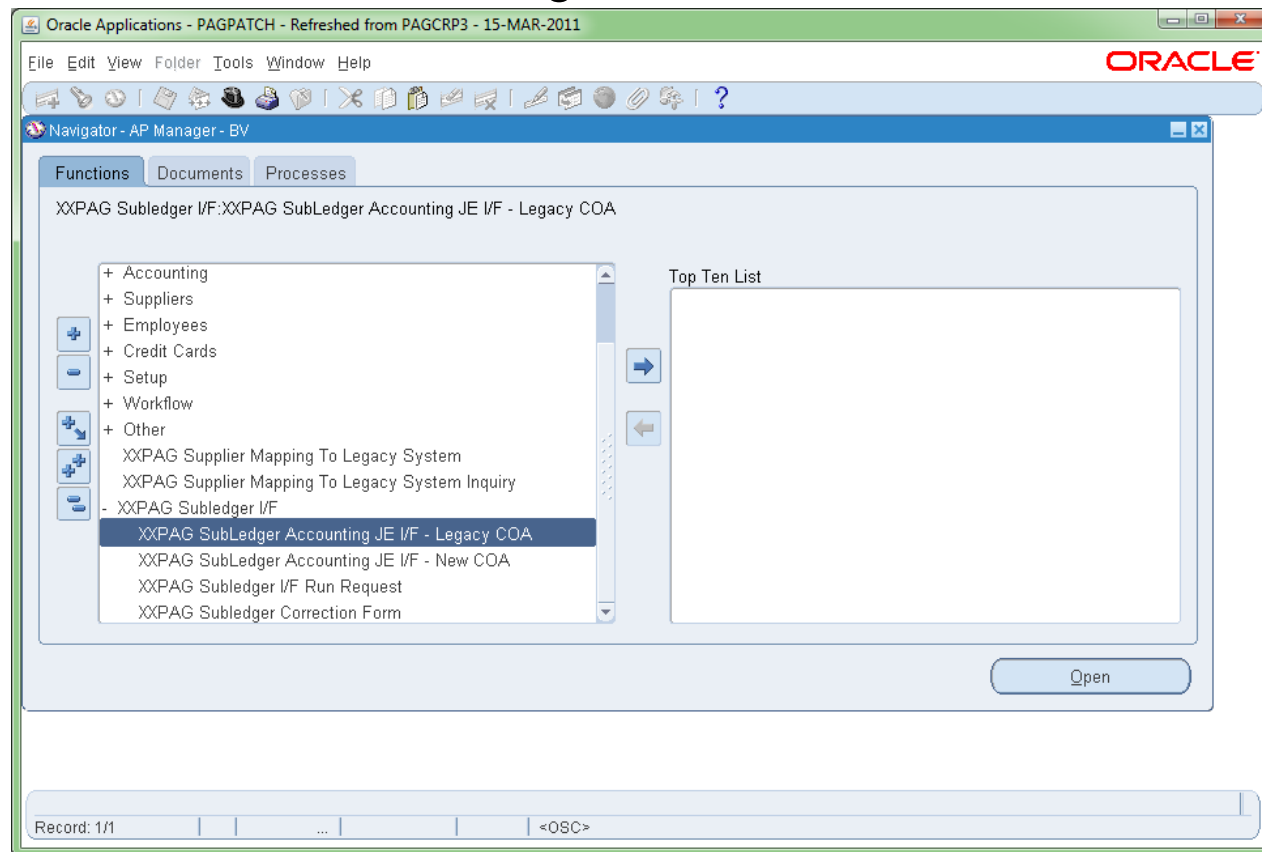
100%



# Save a Document as a Menu Function

# Save a Document as a Menu Function

- You can assign a function to the user's menu to allow them to download a specific WebADI Layout Template Spreadsheet
- Makes it far easier for the users to get the WebADI Document Template



# Save a Document as a Menu Function

- Select Integrator, Click on Preview

The screenshot shows the Oracle Desktop Integration Manager web interface. The browser address bar displays the URL: `http://pagpatch.ports.corp:26000/OA_HTML/BneTemplateRedirectService?bne:documentId=A4CFZ5QDZ2V1`. The page title is "ORACLE Desktop Integration Manager".

The "Integrators" section includes a search form with the following fields:

- Integrator Name:
- Internal Name:
- Application:
- Source:
- Enabled:

Buttons for "Go" and "Clear" are present below the search fields.

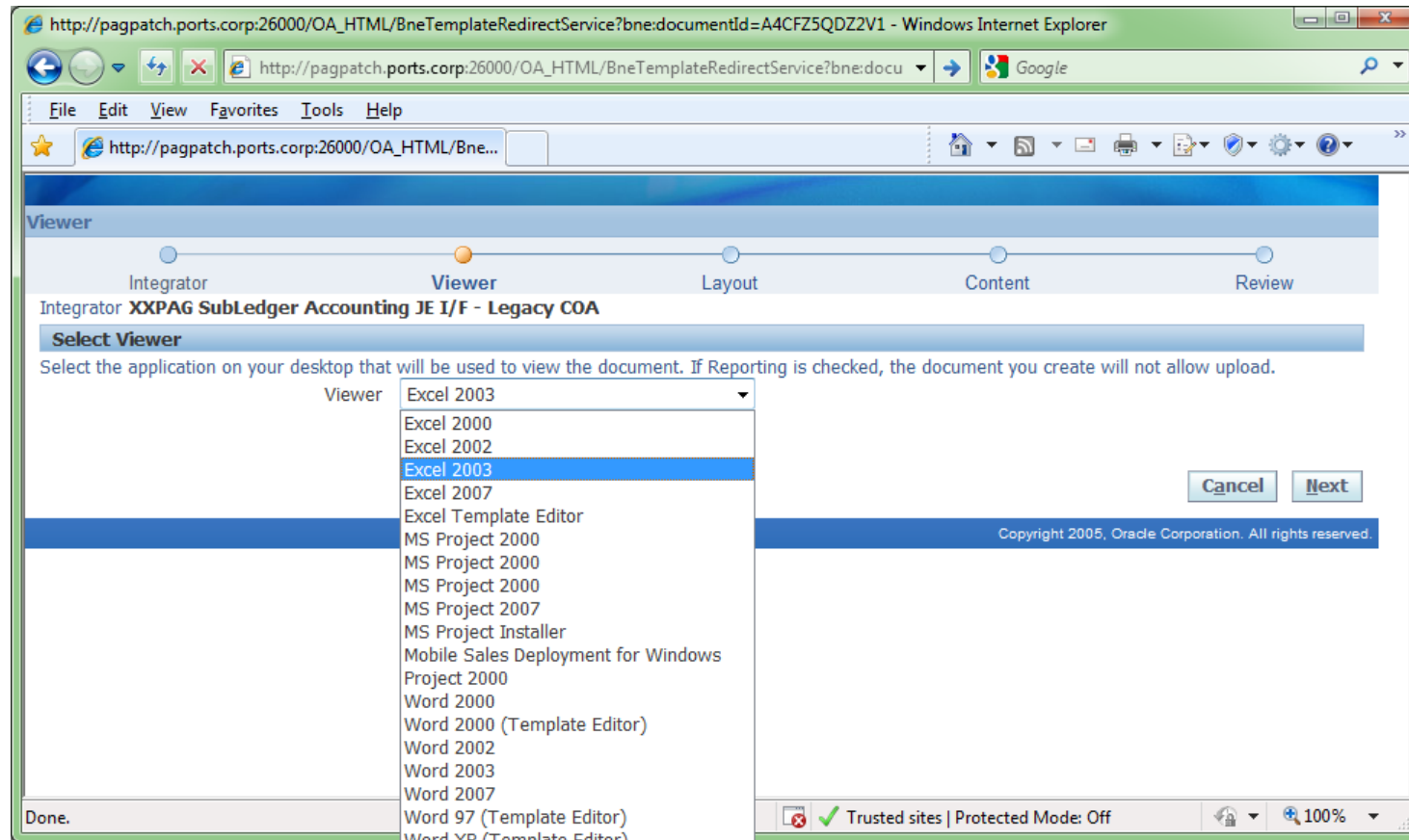
The "List of Integrators" section contains a table with the following data:

Select	Integrator Name	Internal Name	Application Name	Enabled	Source	Update	Delete
<input checked="" type="radio"/>	<a href="#">XXPAG SubLedger Accounting JE I/F - Legacy COA</a>	XLALEG	XXPAG Custom Application	Yes	Custom		
<input type="radio"/>	<a href="#">XXPAG SubLedger Accounting JE I/F - New COA</a>	XLANEW	XXPAG Custom Application	Yes	Custom		

At the bottom of the page, there is a footer with "Privacy Statement" on the left and "Copyright (c) 2008, Oracle. All rights reserved." on the right. The browser status bar shows "Done." and "Trusted sites | Protected Mode: Off".

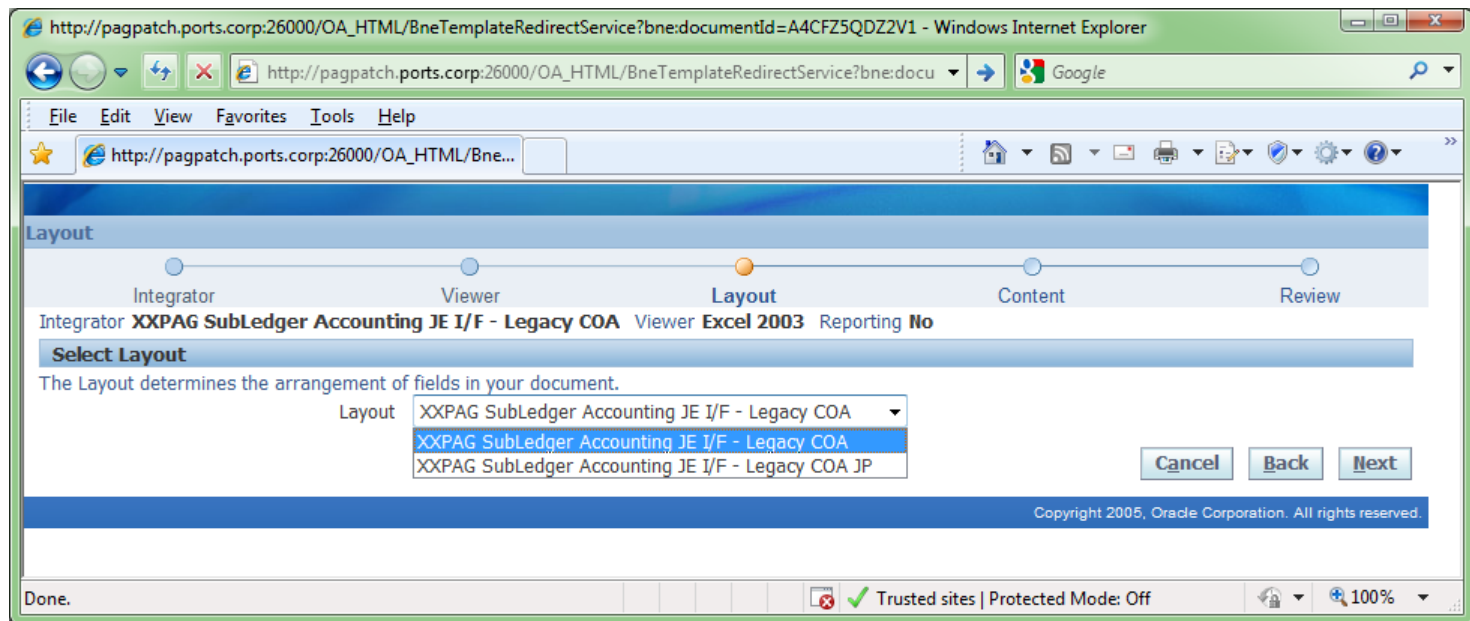
# Save a Document as a Menu Function

- Select the Viewer you wish to create a Document for



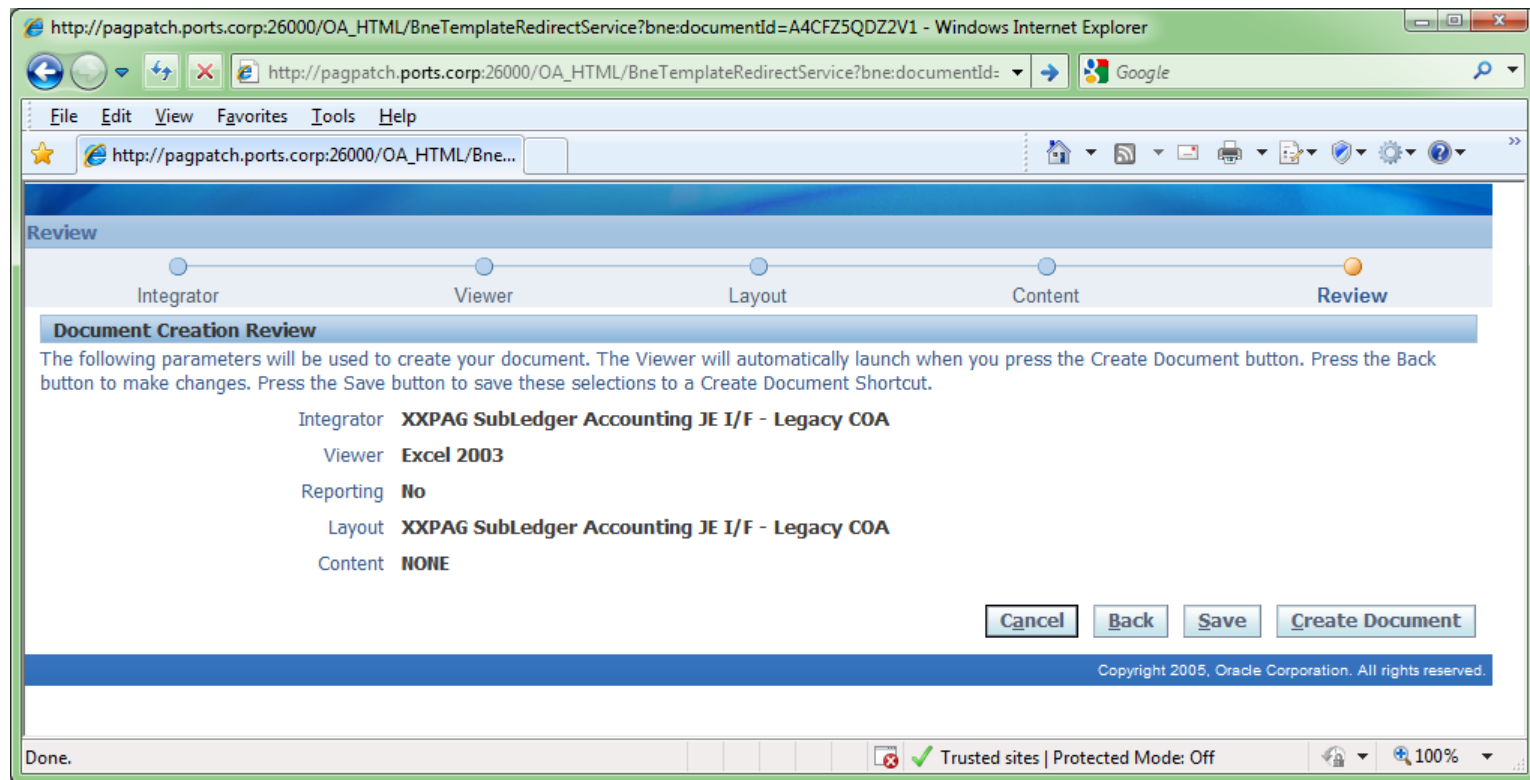
# Save a Document as a Menu Function

- Select the Layout
- Optionally select a Content



# Save a Document as a Menu Function

- Click on Save to create Menu Function
- Click on Create Document to actually view the WebADI Document



# Save a Document as a Menu Function

- Provide the Shortcut Name, Select Save to Form Function, Apply

http://pagpatch.ports.corp:26000/OA\_HTML/BneTemplateRedirectService?bne:documentId=A4CFZ5QDZ2V1 - Windows Internet Explorer

File Edit View Favorites Tools Help

http://pagpatch.ports.corp:26000/OA\_HTML/Bne...

### Save

**Select Shortcut**  
Save your selections to a shortcut that will appear at the beginning of the Create Document Page Flow. Steps in the page flow containing these selections will be skipped when the shortcut is used.

**Shortcut Name**  
Enter the name of your shortcut.  
Shortcut Name

**Shortcut Locations**  
Your shortcut can be saved to a shortcut list that appears on the first page of the Create Document Page Flow. If you have the system administrator responsibility, you can save these selections to a form function that can be attached to Self Service menu.

Save to Shortcut List  
 Save to Form Function

**Settings**  
Choose the Settings to be saved. Settings not saved will need to be chosen in the page flow when the shortcut is used.

Integrator  **XXPAG SubLedger Accounting JE I/F - Legacy COA**  
Viewer  **Excel 2003**  
Reporting  **No**  
Layout  **XXPAG SubLedger Accounting JE I/F - Legacy COA**  
Content  **NONE**  
Do Not Display Review Page

Cancel Back Apply

Done. Trusted sites | Protected Mode: Off 100%

# Save a Document as a Menu Function

- Function was created with the Shortcut Name as the User Function Name

The screenshot shows the Oracle Applications interface. The main window is titled "Oracle Applications - PAGPATCH - Refreshed from PAGCRP3 - 15-MAR-2011". The "Form Functions" window is open, displaying a table with the following data:

Function	User Function Name	Description
BNE_JP_TEST	JP_TEST	Created by Web ADI Create Document Process

The status bar at the bottom indicates "Record: 1/1" and "<OSC>" navigation options.



# Recent Enhancements

## 12.1.2 Enhancements

- **Oracle E-Business Suite Desktop Integration Framework**
  - User Interface placed on top of the WebADI API's to provide the starting functionality for creating a Custom WebADI.
  - Wizard based setup
  - You will still have to jump out to the API's for some tasks.

## 12.1.3 Enhancements

- **Oracle E-Business Suite Desktop Integration Framework Enhancements**
  - Upload parameters support
  - Importer rules support
- **Digital Signature Support**
  - You can lock down those risky Excel settings

## 12.2 Enhancements

- **Oracle E-Business Suite Desktop Integration Framework Enhancements**
  - Links to common pages (home, logout, diagnostics, preferences, help)
  - Logo on Spreadsheets
  - Expanders/Compressors on Spreadsheet
  - Ability to switch responsibilities prior to upload
  - Upload commit granularity on validations
  - Compress upload
- **Microsoft Office 2010 32bit and 64bit Certification**
- **WebADI Diagnostics**

# Additional Resources

- **Oracle E-Business Suite Desktop Integration Framework Developer's Guide**  
Release 12.1, Part No. E15877-02
- **Oracle Web Applications Desktop Integrator Implementation and Administration Guide**  
Release 12.1, Part No. E12902-04
- **ML Note: 396181.1, Oracle Web Applications Desktop Integrator Documentation Resources, Release 12**  
Transfer of Information OnLine Training



# Questions and Answers

# My Contact Information

**This was session # 8620, please complete the surveys**

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**This paper is posted on my web site along with many others I have done over the years:**

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WebADI for R12 SubLedger Accounting**