

# ORACLE®

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## E-BUSINESS SUITE

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**Oracle EBS Web ADI Integrator  
selber erstellen**

2009  
**DOAG**  
Konferenz + Ausstellung

DOAG 2009 - Konferenz , Nürnberg, 17.11.2009

Dirk Blaurock, Dirk Blaurock IT Consulting, Pinneberg

# Agenda

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- Vorstellung
- Datenintegration
- Oracle ADI Integration definieren
  - Standard ADI Sheet
  - Eigene ADI Sheets erstellen
  - Einschränkungen/Besonderheiten
- Oracle ADI Integrator nutzen
  - Kundenimport via ADI
  - Kreditoren Rechnungs-Import via ADI

# Profil Dirk Blaurock



**Dirk Blaurock**  
Freiberuflicher  
Oracle EBS Berater

Telefon: ++49 (0) 171 49 23557  
Dirk.Blaurock@Dirk-Blaurock.de

## Ausbildung

- Büroinformationselektroniker
- Dipl. Ing. Produktionstechnik (FH)
- Dipl. Wirtschafts. Ing. (FH)

## Projekt Erfahrung

- > 12 Jahre Oracle EBS Berater
- Funktional mit hohen technischen Background
- > 7 Jahren freiberuflicher Oracle EBS Berater
- Leitung DOAG CC Lokalisierungen Business Software

## EBS Schwerpunkte

- Financials, Purchasing, Inventory, Distributions
- Modulübergreifendes Design
- Funktionale- und technische Lösungen
- Systemintegration
- Projektmanagement
- Quality Assurance von laufenden Projekten

## Projekt Referenzen (Auszug)

### Finanzdienstleister – R12 Migration

- Migration Oracle Financials von 11i auf R12.
- Funktionale und technische Beratung der Implementierung, Schnittstellendesign und Datenmigration

### Software Entwicklungshaus – Oracle ERP Unterstützung

- Berater für das interne Oracle ERP System (Financials, Projects, HR)
- Unterstützung der internen Anwendungsentwicklung in der Systemintegration

### Finanzdienstleister – R12 Migrationskonzept

- Erstellung Masterplans für Migration von 11i auf R12.

### Musiksoftware Unternehmen – Oracle R12 Einführung

- Berater für Oracle Financials, Oracle Projects, Data Migration und Schnittstellendesign bei der Implementierung der Oracle EBS R12

### Entsorgungsunternehmen – Oracle R12 Einführung

- Erstellung High Level Design Oracle E-Business Suite
- Prozessdokumentation und Mapping auf Standardfunktion
- Fachliche Erarbeitung System Architektur
- Vorbereitung der Implementierungsphase für R12

### Telekommunikationsunternehmen – Oracle ERP Lösung

- Anwendungsarchitektur Analyse, Erstellung von Systemanforderungen & Systemspezifikationen sowie Erstellung technischer Beschreibungen für das ERP System Oracle Applications, Schwerpunkt auf den Logistik Modulen OM, INV, PO, iProcurement, BOM und den Finanzmodulen GL, AP, AR, FA, CE
- Migration Tochtergesellschaften von SAP R/3 auf Oracle EBS

### Internationales Industrieunternehmen – Oracle EBS Einführung

- Beratung bei der Migration von SAP R/3 auf die Oracle E-Business Suite
- Unterstützung der internen Projektleitung bei diversen Fragestellungen gegenüber des Outsourcing Partner, Konzeptreview, Quality Assurance

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# Eigenschaften der „Standard“ EBS Integration

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## Standardintegration:

- Fest definierte Schnittstelle i.d.R. zwischen 2 Systemen

## Folgen:

- Meist hoher Spezifikation- und Entwicklungsaufwand
- Technische Entwicklung notwendig
- Festes Format beschränkt Flexibilität
- Fehlerhandling muss definiert und ermöglicht werden (z.B. neue GUI)

„Richtige“ Integration bei klar definierten Datenaustausch zwischen Systemen als permanente Schnittstelle

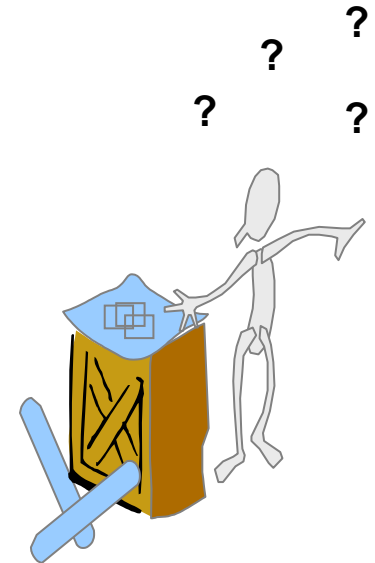
# Adhoc Datenintegration

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Und wenn es keine definierte Schnittstelle gibt, jedoch Daten vorliegen?

Beispiele:

- Neuer Kunde mit vielen Filialen, welche anzulegen sind
- Periodisch Wechselkurse laden
- Elektronische Eingangsrechnungen in verschiedenen Formaten
- Spesenabrechnungen
- Initiale Artikeldaten
- Kunden Zahlungen (Bankdaten, Kreditkarten)



# Adhoc Datenintegration Lösungsansätze

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- Lösung 1: Schnittstelle entwickeln lassen
  - Aufwendig
  - Meist zeitintensiv
  - Nach Entwicklung wieder starre Lösung
- Lösung 2: Manuell erfassen
  - Aufwendig
  - Fehlerträchtig durch manuelle Erfassung
- Lösung 3: Via WEB ADI laden
  - Standard Framework nutzen
  - Einfach und schnell umsetzbar



# Web ADI: Eigenschaften

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- Enterprise Framework for Desktop Integration
  - Meta Data Driven Client Side Application Generator
  - Zero Client Install
  - Reduced Bandwidth Requirements to Client
  - Processing Is Performed on the Middle-Tier
- 
- Implementations for Excel, Word and Projects
  - Enhancements Benefit All Users
  - First Released January 2001, 1 Solution
  - 11*i*10 Released With Over 100 Solutions by 18 Teams

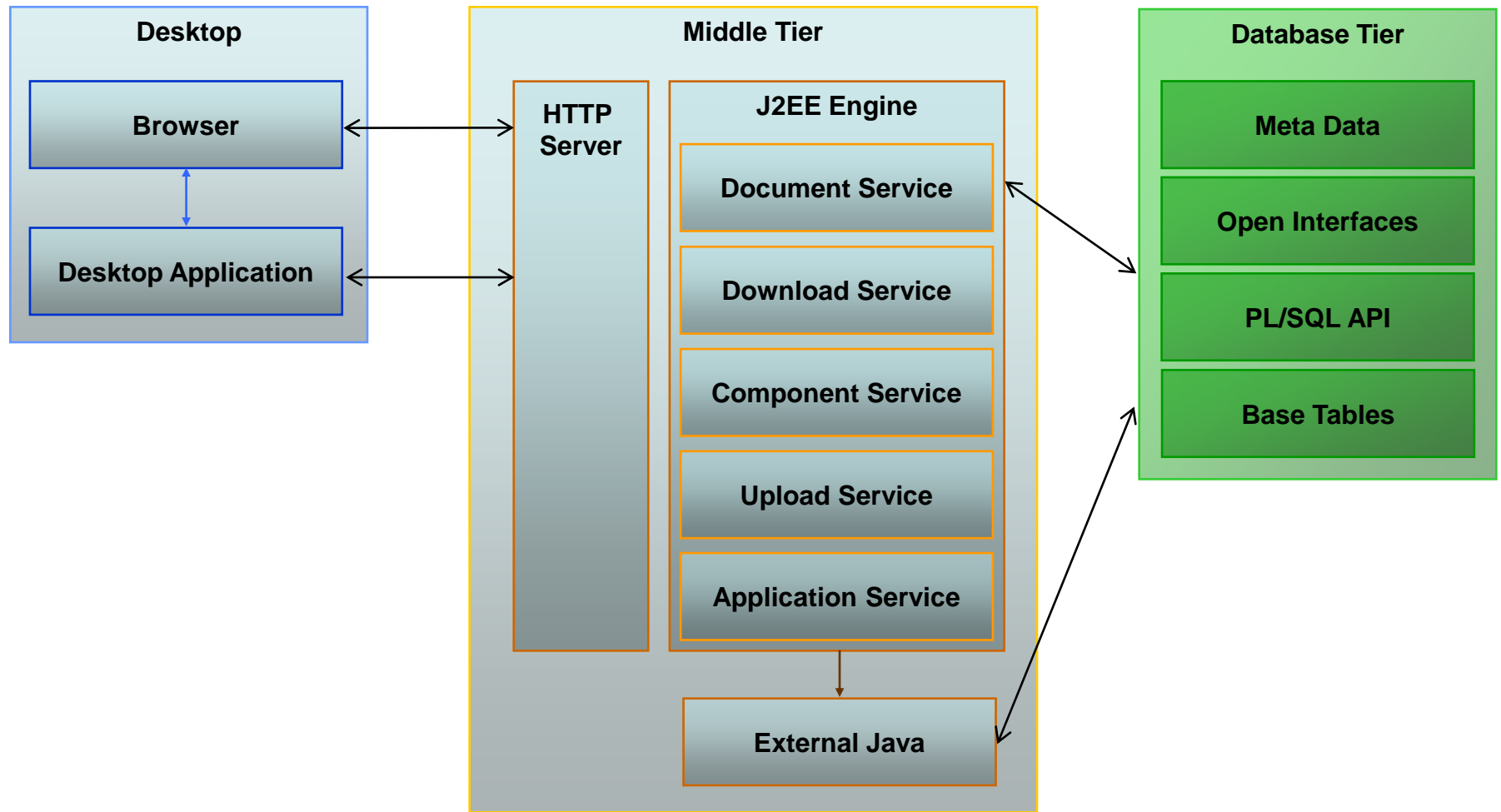


# Web ADI: Lösungsübersicht Datenintegration

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- Advanced Product Catalog
- Assets
- Financial Intelligence
- General Ledger
- Human Resources
- Incentive Compensation
- Internal Controls Manager
- Projects
- Public Sector Budgeting
- Public Sector Financials International
- Public Sector HR
- Public Sector Payroll
- Sales Offline
- Student Systems
- Territories
- Trade Management
- Training Administrator
- Web Applications Desktop Integrator

# Web ADI: Architektur



## Web ADI: Produkt Roadmap

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ADI Feature	Status	Owner	Base Release
Journal Wizard	Production	GL	12
Create Assets	Production	OFA	11i Financials.G
Record Physical Inventory	Production	OFA	11i Financials.G
Report Publishing	Production	FRM	11i.10 + Patchset G
Format Reports	Production	FRM	11i.10 + Patchset G

ADI Feature	Status	Devel Cmp	Owner	Release
Budget Wizard	In Progress	Q4CY2005	GL	11i & 12
Report Wizard	In Progress	Q4CY2005	GL	11i & 12
Analysis Wizard	In Progress	Q4CY2005	GL	11i & 12

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# Standard Web ADI: Starten



Oracle ADI direkt aus EBS aufrufen

# Standard Web ADI: Integrator auswählen

Select an Integrator and press Go.

Integrator	Applications Report Generator - Report Definition
	Enrollment Integrator
	Enterprise Performance Foundation: Balances Integrator
	Enterprise Performance Foundation: Factor Table 1 Rule Integrator
	Enterprise Performance Foundation: Factor Table 2 Rule Integrator
	Enterprise Performance Foundation: Factor Table 3 Rule Integrator
	Enterprise Performance Foundation: Hierarchy Integrator
	Enterprise Performance Foundation: Member Integrator
	FTP Historical Rate
	FTP Stochastic Parameter
	Financial Consolidation Hub : Intercompany Maps
	Financial Consolidation Hub: Dimension Hierarchies
	Financial Consolidation Hub: Value Set Mapping
	Financials Intelligence - Budget and Forecast
	Financials Intelligence - Company Cost Center Security
	General Ledger - Budgets
	General Ledger - Journals
	HR Upload Third Party Competences
	HR Upload Third Party Rating Levels
	HR Upload Third Party Rating Scales
	IE BIK Example Integrator
	Information Technology Audit - Import Recommendations
	Integrator for OPI WMS Operation Plan
	Intercompany - Single Batch Entry
	Internal Controls Manager-Ksr Test
	OPI: Integrator for OPI WMS Picks Exception
	OPI: Integrator for OPI WMS Receipt to Putaway
	Offering Integrator
	PER RI: Create Org Classification
	PER RI: Create Organization Information
Fertig	Projects - Budget (Non-Periodic)

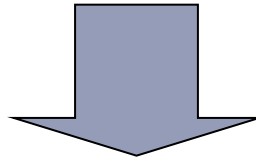
Aus vordefinierten ADI  
Templates auswählen

# Standard Web ADI: Angaben bestätigen

Select the application on your desktop that will be used to view the document. If Reporting is checked, the document you create will not allow upload.

Viewer Excel 2007

☐ Reporting



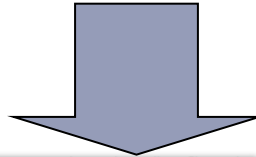
The Layout determines the arrangement of fields in your document.

Layout Budgets - Multiple

- Budgets - Multiple
- Budgets - Single
- Encumbrances - Multiple
- Encumbrances - Single
- Foreign Actuals - Multiple
- Foreign Actuals - Single
- Functional Actuals - Multiple
- Functional Actuals - Single

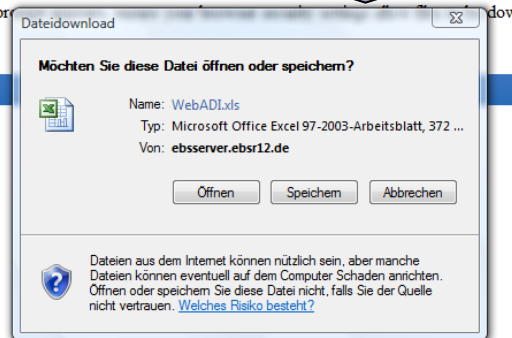
Cancel

Copyright 2005, Oracle Corporation. All rights reserved.



A file will be downloaded to your desktop.

When prompted, choose to open the file and to enable macros. If no prompt is displayed, the file was downloaded to your desktop.

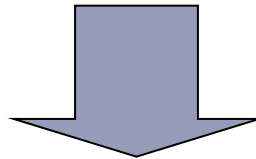


# Standard Web ADI: Excel Datenerfassung und Upload

Upl	Co	Acco	Cos	Product	Debit	Credit	Line Description	Messages
Re	01	1200	000	000	120		DOAG 2009	
Re	01	4730	000	000		120	DOAG 2009	
Totals:					120	120		

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

Daten in Excel erfassen  
bzw. aus Excel kopieren



**Upload Parameters**

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

☐ Upload Unbalanced Journals  
To import unbalanced journals, you must define a suspense account for actual journals and a reserve for encumbrance account for encumbrance journals

☒ Do Not Import

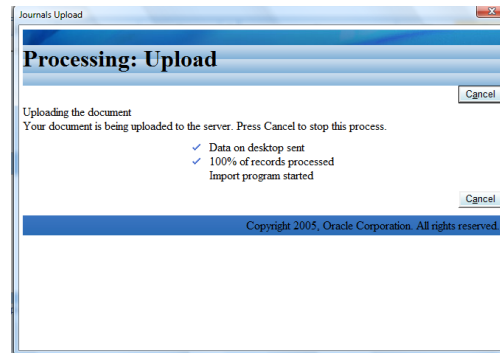
Descriptive Flexfields: ☒ Import With Validation, ☐ Import Without Validation

Successful Journal Import will load the descriptive flexfields.

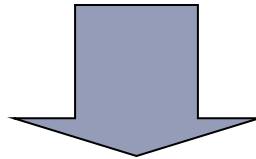
Daten in EBS laden



# Standard Web ADI: Daten sind geladen



Daten werden validiert und geladen



Journals (Vision Germany) - Manual A 1543009 5809770

Journal	Other EUR	Conversion	Currency	EUR	Reverse	Date	
Description	DOAG Import		Date	14.10.2008		Period	
Ledger	Vision Germany	Category	Type	User		Method	Switch Dr/Cr
Period	10-08	Effective Date	Rate	1		Status	Not Reversed
Balance Type	Actual	Document Number				<button>Reverse</button>	
Clearing Company		Tax					
Journal Type	Standard	Control Total					

Lines Other Information

Line	Account	Debit (EUR)	Credit (EUR)	UOM	Qty	Description
1	01-1200-000-000	120,00				DOAG 2009
2	01-4730-000-000		120,00			DOAG 2009

# Vorteile/Nachteile Web ADI

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## Vorteile:

- Einfache Integration mit Validierung der Daten
- Benutzer können bekannte Tools nutzen
- Nutzung von externen Daten mit Umformatierung
- Layout Anpassung (Excel Layout und Felder) vom ADI leicht machbar

## Nachteile:

- Nur begrenzte Standard Integratoren verfügbar
  - GL Journals
  - Projects
  - Konsolidation Hub und Intercompany

Somit gibt es lizenzpflichtige Zusatztool für Excel:

- More4APPS (AP Invoice Wizard)
- Excel4APPS (GL Wand)
- Burleson Consulting (Excel-DB)

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## Eigene ADI Sheets

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Wozu Zusatztools kaufen, wenn die Oracle EBS auch weitere ADI Sheets unterstützt?

Mit ein paar einfachen „Klicks“ können ADI Integratoren selber neu erstellt werden.

Diese Möglichkeit ist ein von Oracle undokumentiertes Feature des Web ADI

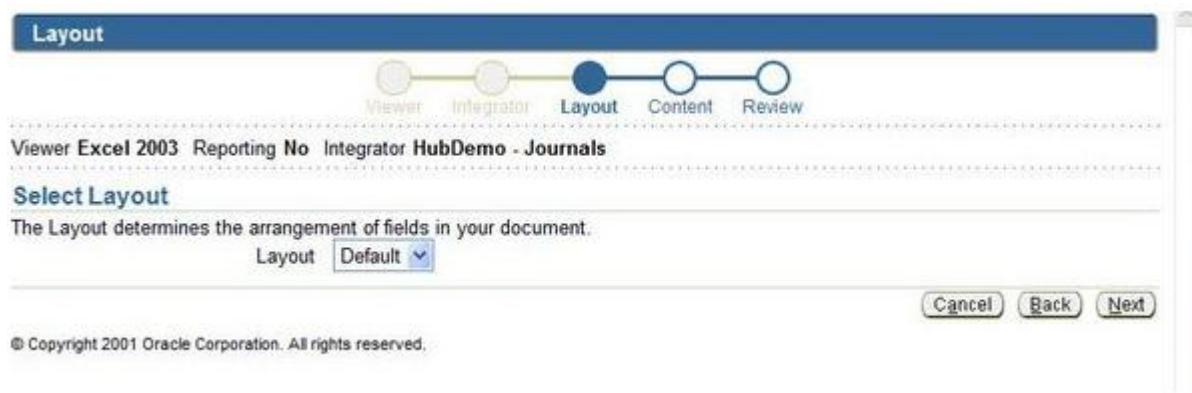
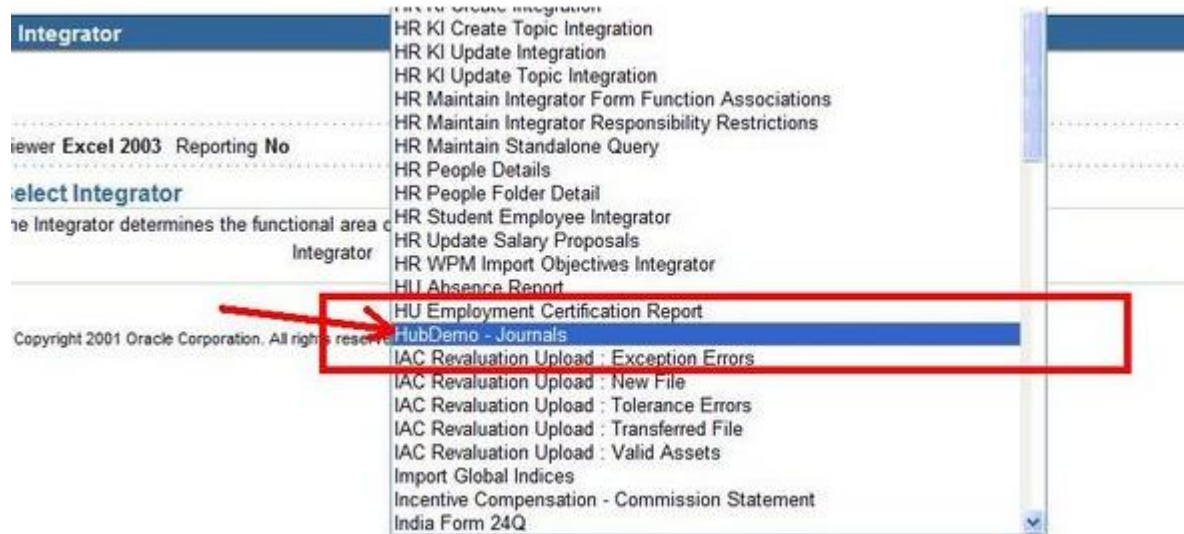
# Eigene ADI Sheets definieren: Registrieren Custom ADI Integrator

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```
P_INTEGRATOR_CODE      VARCHAR2(30);
P_INTERFACE_CODE       VARCHAR2(30);
P_LAYOUT_CODE          VARCHAR2(30);
P_APPLICATION_ID        NUMBER(15);
P_OBJECT_CODE          VARCHAR2(20);
P_INTEGRATOR_USER_NAME VARCHAR2(240);
P_LANGUAGE              VARCHAR2(4);
P_SOURCE_LANGUAGE       VARCHAR2(4);
P_USER_ID               NUMBER(15);
P_INTERFACE_TABLE_NAME  VARCHAR2(50);
P_INTERFACE_USER_NAME   VARCHAR2(240);
P_FORCE                BOOLEAN;
P_ALL_COLUMNS           BOOLEAN :=FALSE;

BEGIN
-- Define Constants
-- Application ID of the product that will own this Integrator
P_APPLICATION_ID      := 101;
P_LANGUAGE             := 'US';
P_SOURCE_LANGUAGE     := 'US';
-- Applications Database User ID that owns this Integrator
P_USER_ID             := 1005; --replace with your id or fnd_global.user_id
P_OBJECT_CODE         := 'HUBDEMO_JOURNALS'; -- Object Code is used to generate the codes :
---ADI details
P_INTEGRATOR_USER_NAME := 'HubDemo - Journals'; -- Name of the Integrator that will be disp.
P_INTERFACE_TABLE_NAME := 'GL_INTERFACE'; -- Name of the Database table that data from the c
P_INTERFACE_USER_NAME  := 'General Ledger Journals Open Interface'; -- Name of the table tha
P_FORCE                := FALSE; -- When TRUE - all existing layout data will be removed be:
```

# Eigene ADI Sheets definieren: Neuen Integrator auswählen



# Eigene ADI Sheets definieren: Layout bearbeiten I

**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
STATUS	Header ▾		None ▾
SET_OF_BOOKS_ID	Lines ▾		None ▾
ACCOUNTING_DATE	Lines ▾		None ▾
CURRENCY_CODE	Lines ▾		None ▾
DATE_CREATED	Lines ▾		None ▾
CREATED_BY	Lines ▾		None ▾
ACTUAL_FLAG	Lines ▾		None ▾
USER_JE_CATEGORY_NAME	Lines ▾		None ▾
USER_JE_SOURCE_NAME	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 type="checkbox"/> CURRENCY_CONVERSION_DATE	Lines ▾		None ▾
<input type="checkbox"/> ENCUMBRANCE_TYPE_ID	Lines ▾		None ▾
<input type="checkbox"/> BUDGET VERSION ID	Lines ▾		None ▾

Done

Internet 100%

# Eigene ADI Sheets definieren: Layout bearbeiten II

## 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
STATUS	Header ▾	NEW	Constant ▾
SET_OF_BOOKS_ID	Context ▾		Constant ▾
ACCOUNTING_DATE	Header ▾	select sysdate from dual	SQL ▾
CURRENCY_CODE	Header ▾	SGD	Constant ▾
DATE_CREATED	Header ▾	select sysdate from dual	SQL ▾
CREATED_BY	Header ▾	select user_id from fnd_user	SQL ▾
ACTUAL_FLAG	Context ▾	Actual	Constant ▾
USER_JE_CATEGORY_NAME	Header ▾	Sales Channel	Constant ▾
USER_JE_SOURCE_NAME	Header ▾	WebADI	Constant ▾

#### Optional Fields

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

<a href="#">Select All</a>   <a href="#">Select None</a>			
Select Field Name	Placement	Default Value	Default Type
<input type="checkbox"/> CURRENCY_CONVERSION_DATE	Lines ▾		None ▾
<input type="checkbox"/> ENCUMBRANCE_TYPE_ID	Lines ▾		None ▾
<input type="checkbox"/> BUDGET VERSION ID	Lines ▾		None ▾





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# Einschränkungen/Besonderheiten

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- Via WEB-ADI nur Daten in Standard Interfaces einladen
  - Niemals in Applikationstabellen
- Kein Oracle Support
  - API zur Registrierung ist undokumentiert bei Oracle
- „Flache“ Oracle Interfacetabellen
  - Leicht in ADI einbindbar
- Master-/Detailtabellen
  - Workaround denormalisieren -> Flache Vortabelle erstellen
  - Kleines SQL Script zum automatischen Kopieren Vortabelle -> Master-/Detailtabellen

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# Kunden Import via Web ADI

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Import von debitorischen Stammdaten eines Kunden, z.B.:

- Kundenanlage
- Adressimport
- Verwendungszweck

Typische Beispiel:

- Neuer Kunde mit vielen Adressen, welche anzulegen ist
- Kunde, welcher in vielen Operating Units genutzt werden soll
  - Somit nach EBS Logik mehrmals zugeordnet/angelegt werden muss

# Kunden ADI Import: Integrator registrieren

---

```
-- Created Dirk Blaurock 20.05.2009
-- Goal: Creating of Custom ADI Integrator
-- Change History
-- Date      Version      User      Comment
-- 20.05.2009 1.0         Blaurock  init version
```

```
-----
DECLARE
P_INTEGRATOR_CODE  VARCHAR2(30);
P_INTERFACE_CODE   VARCHAR2(30);
P_LAYOUT_CODE      VARCHAR2(30);
P_APPLICATION_ID    NUMBER(15);
P_OBJECT_CODE       VARCHAR2(20);
P_INTEGRATOR_USER_NAME VARCHAR2(240);
P_LANGUAGE          VARCHAR2(4);
P_SOURCE_LANGUAGE   VARCHAR2(4);
P_USER_ID           NUMBER(15);
P_INTERFACE_TABLE_NAME VARCHAR2(50);
P_INTERFACE_USER_NAME VARCHAR2(240);
P_FORCE             BOOLEAN;
P_ALL_COLUMNS       BOOLEAN := FALSE;

BEGIN
-- Define Constants
-- Application ID of the product that will own this Integrator
P_APPLICATION_ID := 222;
P_LANGUAGE       := 'US';
P_SOURCE_LANGUAGE := 'US';
-- Applications Database User ID that owns this Integrator
P_USER_ID := 2045; -- replace with your id or find global user_id
P_OBJECT_CODE := 'DIRK_TEST4'; -- Object Code is used to generate the codes for Integrator, Interface
and Layout
--- ADI details
P_INTEGRATOR_USER_NAME := 'Kundenimport DOAG 2009'; -- Name of the Integrator that will be displayed in the
User Interface
P_INTERFACE_TABLE_NAME := 'RA_CUSTOMERS_INTERFACE_ALL'; -- Name of the Database table that data from
the desktop application will be uploaded to.
P_INTERFACE_USER_NAME := 'Kundenimport DOAG 2009'; -- Name of the table that will be displayed in
P_FORCE := FALSE; -- When TRUE - all existing layout data will be removed before recreating. Set to
FALSE as there will be no layout data at this point
P_ALL_COLUMNS := FALSE; -- All columns will be included in the layout when TRUE (otherwise only required
columns are included)
```

# Kunden ADI Import: Layout bearbeiten

**ORACLE® E-Business Suite**

Oracle Applications Home Page

**Navigator**

- Application Diagnostics
- Approvals Management Administrator
- Approvals Management Business Analyst
- Asset Inquiry Vision Germany
- Assets Vision Germany
- Bill Presentment Super User, Vision Germany
- Cash Management Vision Germany
- Cost Management - SLA Vision Germany
- Credit Management Super User
- Credit Scheduler
- CRM Resource Manager, Vision Germany
- Customers Online Data Librarian, Germany
- Customers Online Superuser, Germany
- Daily Commodity Intelligence
- Daily Financials Intelligence
- Daily Payables Intelligence
- Daily Procurement Intelligence
- Daily Procurement Spend Intelligence
- Daily Sourcing Intelligence
- Daily Supply Chain Intelligence Germany
- DBI Incremental Request Sets
- DE HRMS Manager
- DE HRMS Intelligence
- Desktop Integration
- Desktop Integrator, Germany**
- e-Commerce Gateway, Vision Germany

**Desktop Integrator, Germany**

- Create Document
- Define Layout
- Define Mapping
- Manage Document Links
- Setup Options
- Define Style Sheet

Select an Integrator and press Go.

**Integrator** Kundenimport DOAG 2009

- Financials Intelligence - Company Cost Center Security
- General Ledger - Budgets
- General Ledger - Journals
- HR Upload Third Party Competences
- HR Upload Third Party Rating Levels
- HR Upload Third Party Rating Scales
- IE BIK Example Integrator
- Information Technology Audit - Import Recommendations
- Integrator for OPI WMS Operation Plan
- Intercompany - Single Batch Entry
- Internal Controls Manager-Ksr Test
- Kundenimport DOAG 2009**
- OPI: Integrator for OPI WMS Picks Exception
- OPI: Integrator for OPI WMS Receipt to Putaway
- Offering Integrator
- PER RI: Create Org Classification
- PER RI: Create Organization Information
- Projects - Budget (Non-Periodic)
- Projects - Budget (Periodic)
- Projects - Forecast (Non-Periodic)
- Projects - Forecast (Periodic)
- Projects - Organization Forecast
- RRS Bulkload Integrator
- RRS Cluster Integrator
- Ship And Debit Batch Integrator

# Kunden ADI Import: ADI Sheet mit Daten füllen

---

Select an Integrator and press Go.

Integrator

## Select Layout

Select Item    |

Select **Name**

☒ Default



# Kunden ADI Import: Definition der Excel Felder

## Required Fields

Choose the placement for required fields in your document.

Field Name	Placement	Default Value	Default Type
ORIG_SYSTEM_CUSTOMER_REF	Header 1 ▾		None ▾
INSERT_UPDATE_FLAG	Header 1 ▾	I	Constant ▾
CUSTOMER_NAME	Header 1 ▾		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"/>	SITE_USE_CODE	Line ▾		None ▾
<input checked="" type="checkbox"/>	ORIG_SYSTEM_ADDRESS_REF	Line ▾		None ▾
<input checked="" type="checkbox"/>	INTERFACE_STATUS	Line ▾	I	Constant ▾
<input type="checkbox"/>	REQUEST_ID	Line ▾		None ▾
<input type="checkbox"/>	VALIDATED_FLAG	Line ▾		None ▾
<input type="checkbox"/>	CUSTOMER_NUMBER	Header 1 ▾		None ▾
<input type="checkbox"/>	CUSTOMER_STATUS	Line ▾		None ▾
<input type="checkbox"/>	CUSTOMER_TYPE	Line ▾		None ▾
<input type="checkbox"/>	ORIG_SYSTEM_PARENT_REF	Line ▾		None ▾
<input type="checkbox"/>	PRIMARY_SITE_USE_FLAG	Line ▾		None ▾
<input type="checkbox"/>	LOCATION	Line ▾		None ▾
<input checked="" type="checkbox"/>	ADDRESS1	Line ▾		None ▾

“Kopfdaten” konfigurieren:

- Sichtbarkeit
- Konstanten
- Validierung

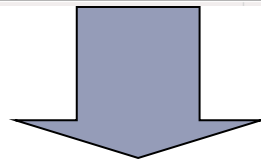
“Positionen” konfigurieren:

- Sichtbarkeit
- Konstanten
- Validierung

# Kunden ADI Import: ADI Sheet starten



Oracle ADI direkt aus EBS aufrufen



## Select Integrator

The Integrator determines the functional area of your document.

Integrator

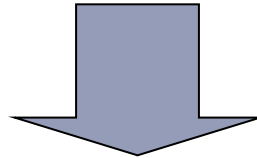
# Kunden ADI Import: ADI Sheet starten

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Select the application on your desktop that will be used to view the document. If Reporting is checked, the document you create will not allow upload.

Viewer Excel 2007 ▼

☐ Reporting



The following parameters will be used to create your document. The Viewer will automatically launch when you press the Create Document button. Press the Back button to make changes. Press the Save button to save these selections to a Create Document Shortcut.

Integrator Kundenimport DOAG 2009

Viewer Excel 2007

Reporting No

Layout Default

Content None

[Cancel](#)

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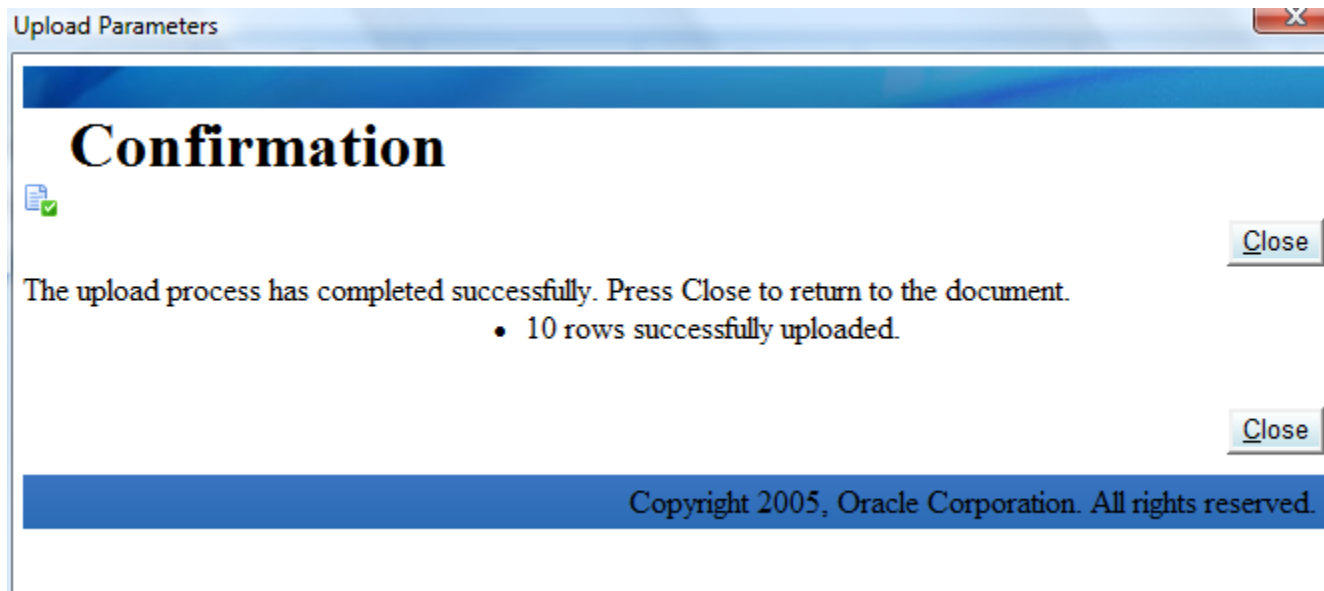
[Save](#)

[Create Document](#)

## Kunden ADI Import: ADI Sheet starten

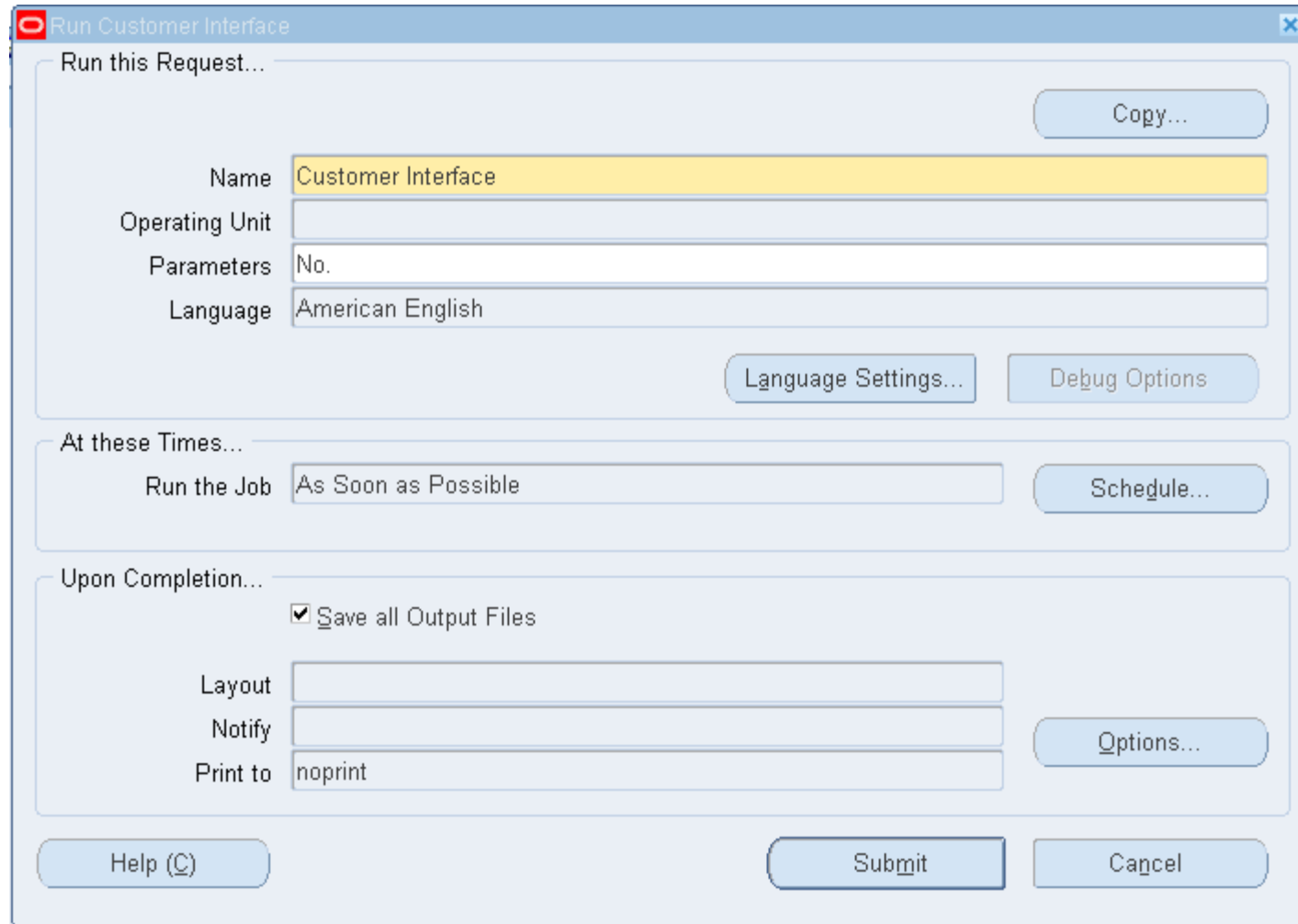
A	B	C	D	E	F	G	H	I	J	K
View Header		View Line								
ORIG_SYSTEM_CUSTO				DOAG_12345						
INSERT_UPDATE_FLAG				I						
CUSTOMER_NAME				DOAG_2009						
	Up	SITE_USE_CODE	ORIG_SYSTEM_AI	INTERFACE_STAT	ADDRESS1	ADDRESS2	ADDRESS3	ADDRESS4	CITY	STATE
	B	BILL_TO	DOAG1	I	Hauptstraße	1			Hamburg	
	B	BILL_TO	DOAG2	I	Langer Weg	2			Bonn	
	B	BILL_TO	DOAG3	I	Kieler Straße	78			Neumünster	
	B	BILL_TO	DOAG4	I	Hamburger Straße	165			Hamburg	
	B	BILL_TO	DOAG5	I	Dorfstraße	75			Rinden	
	B	BILL_TO	DOAG6	I	Pappel Allee	43			München	
	B	BILL_TO	DOAG7	I	Am Stadtpark	335			Hamburg	
	B	BILL_TO	DOAG8	I	Marktplatz	34			Papen	
	B	BILL_TO	DOAG9	I	Lohstraße	26			Elmshorn	
	B	BILL_TO	DOAG10	I	Bringberg	34			Witsch	

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



# Kunden ADI Import: Kundeninterface starten

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The image shows a Windows-style dialog box titled "Run Customer Interface". It is divided into three main sections: "Run this Request...", "At these Times...", and "Upon Completion...".

**Run this Request...**

- Name:** Customer Interface (highlighted in yellow)
- Operating Unit:** (empty text box)
- Parameters:** No.
- Language:** American English

Buttons in this section: Copy... (top right), Language Settings... (bottom right), Debug Options (bottom right).

**At these Times...**

- Run the Job:** As Soon as Possible

Button in this section: Schedule... (bottom right).

**Upon Completion...**

- ☒ Save all Output Files
- Layout:** (empty text box)
- Notify:** (empty text box)
- Print to:** noprint

Buttons in this section: Options... (bottom right).

**Global Buttons:** Help (C) (bottom left), Submit (bottom center), Cancel (bottom right).

# Kunden ADI Import: Ergebnis in AR

Transactions (Vision Germany : EUR)

**Transaction**

Source: MANUAL-OTHER  
Date: 06.08.2009  
Balance Due: Line  
Number:   
GL Date: 06.08.2009  
Tax  
Class: Invoice  
Currency: EUR  
Freight  
Type: Invoice  
Document Num  
Reference  
Transaction  
Legal Entity: Vision Germany  
☐ Confirm

**Bill To Locations**

Find: DOAG%

Location	Primary
DOAG1	Yes
DOAG10	No
DOAG2	No
DOAG3	No
DOAG4	No
DOAG5	No
DOAG6	No
DOAG7	No
DOAG8	No
DOAG9	No

**Main** More Notes Commitment Reference Information

**Ship To**

Name  
Number  
Location  
Address  
Contact

**Bill To**

DOAG\_2009  
5820  
DOAG1  
Hauptstraße  
1  
Hamburg, 22306 Germany

Commitment  
Payment Term: N30  
Invoicing Rule  
Due Date: 05.09.2009

Instrument Number  
Select Instrument

Line Items Tax Freight Distributions Sales Credits Incomplete

# Agenda

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- Vorstellung
- Datenintegration
- Oracle ADI Integration definieren
  - Standard ADI Sheet
  - Eigene ADI Sheets erstellen
  - Einschränkungen/Besonderheiten
- Oracle ADI Integrator Beispiele
  - Kundenimport via ADI
  - Kreditoren Rechnungs-Import via ADI

# Kreditoren Rechnungen Import via Web ADI

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Import von kreditorischen Transaktionen via Web ADI, z.B.:

- Elektronischen Eingangsrechnungen
- Tankkartenabrechnungen
- Spesenabrechnungen
- Allgemeine elektronische Belege

## Besonderheit beim Web ADI:

Rechnungsimport spricht 2 Oracle Interface Tabellen an, welche im Web ADI nicht direkt angesprochen werden können.

## Lösungsansatz:

„Flache Tabelle“ (Felder aus beiden) anlegen, in EBS registrieren und Trigger in Interface Tabelle einrichten.



# AP ADI Import: „Flache“ Tabelle anlegen

File Edit View Navigate Execute Source Versioning Migration Extras Help

Verbindu... EBS 12.1 zu Hause **XX\_DIRK\_AP\_INTERFACE**

Spalten Daten Constraints Zugriffsberechtigungen Statistiken Trigger Flashback Abhängigkeiten Details Indizes SQL

Aktionen...

Column Name	Data Type	Nullable	Data Default	COLUMN ID	Primary Key	COMMENTS
INVOICE_ID	NUMBER	Yes	(null)	1	(null)	(null)
INVOICE_NUM	VARCHAR2(50 BYTE)	Yes	(null)	2	(null)	(null)
INVOICE_TYPE_LOOKUP_CODE	VARCHAR2(25 BYTE)	Yes	(null)	3	(null)	(null)
INVOICE_DATE	DATE	Yes	(null)	4	(null)	(null)
VENDOR_NUM	VARCHAR2(30 BYTE)	Yes	(null)	5	(null)	(null)
VENDOR_SITE_CODE	VARCHAR2(15 BYTE)	Yes	(null)	6	(null)	(null)
INVOICE_AMOUNT	NUMBER	Yes	(null)	7	(null)	(null)
INVOICE_CURRENCY_CODE	VARCHAR2(15 BYTE)	Yes	(null)	8	(null)	(null)
TERMS_NAME	VARCHAR2(50 BYTE)	Yes	(null)	9	(null)	(null)
DESCRIPTION	VARCHAR2(240 BY...	Yes	(null)	10	(null)	(null)
SOURCE	VARCHAR2(80 BYTE)	Yes	(null)	11	(null)	(null)
INVOICE_RECEIVED_DATE	DATE	Yes	(null)	12	(null)	(null)
ORG_ID	NUMBER	Yes	(null)	13	(null)	(null)
GL_DATE	DATE	Yes	(null)	14	(null)	(null)
LAST_UPDATE_DATE	DATE	Yes	(null)	15	(null)	(null)
LAST_UPDATED_BY	NUMBER	Yes	(null)	16	(null)	(null)
CREATION_DATE	DATE	Yes	(null)	17	(null)	(null)
CREATED_BY	NUMBER	Yes	(null)	18	(null)	(null)
LINE_NUMBER	NUMBER	Yes	(null)	19	(null)	(null)
LINE_AMOUNT	NUMBER	Yes	(null)	20	(null)	(null)
LINE_ACCOUNTING_DATE	DATE	Yes	(null)	21	(null)	(null)
LINE_DESCRIPTION	VARCHAR2(240 BY...	Yes	(null)	22	(null)	(null)
LINE_AMOUNT_INCLUDE_TAX	VARCHAR2(1 BYTE)	Yes	(null)	23	(null)	(null)
LINE_TAX_CODE	VARCHAR2(15 BYTE)	Yes	(null)	24	(null)	(null)
LINE_CODE_CONC	VARCHAR2(250 BY...	Yes	(null)	25	(null)	(null)

UK\_EMPLOYEES  
UTL\_RECOMP\_BACKUP\_JOBS  
UTL\_RECOMP\_COMPILED  
UTL\_RECOMP\_INVALID  
UTL\_RECOMP\_LOG  
UTL\_RECOMP\_SORTED  
VIPAN\_GATHERSTATS  
VIPAN\_GATHERSTATS\_ERR  
W2\_TEMP\_B17  
W2\_TEMP\_B18  
W2\_TEMP\_B20  
W2\_TEMP\_B21  
WMS\_ELS\_EXP\_RESOURCE\_G  
XLA\_AE\_LINES\_BAK  
**XX\_DIRK\_AP\_INTERFACE**  
  INVOICE\_ID  
  INVOICE\_NUM  
  INVOICE\_TYPE\_LOOKUP\_  
  INVOICE\_DATE  
  VENDOR\_NUM  
  VENDOR\_SITE\_CODE  
  INVOICE\_AMOUNT  
  INVOICE\_CURRENCY\_CO  
  TERMS\_NAME  
  DESCRIPTION  
  SOURCE  
  INVOICE\_RECEIVED\_DAT  
  ORG\_ID  
  GL\_DATE  
  LAST\_UPDATE\_DATE  
  LAST\_UPDATED\_BY  
  CREATION\_DATE  
  CREATED\_BY  
  LINE\_NUMBER

Erweiterte Suche

# AP ADI Import: „SQL“ zum Kopieren in Interface

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Registrieren der Tabelle und Spalten:

- Mittels AD\_DD Package die „flache“ Tabelle und deren Spalten in Oracle EBS registrieren

Kleines SQL Programm (z.B. Trigger, eigenes Concurrent Program, Oracle Alert) zum

- Kopieren der Daten von flacher Tabelle in Oracle Standard Interface
  - Z.B. XX\_DIRK\_AP\_INTERFACE in ap\_invoices\_interface und ap\_invoice\_lines\_interface

# AP ADI Import: Integrator registrieren

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```
P_INTEGRATOR_CODE VARCHAR2(30);
P_INTERFACE_CODE  VARCHAR2(30);
P_LAYOUT_CODE     VARCHAR2(30);
P_APPLICATION_ID   NUMBER(15);
P_OBJECT_CODE     VARCHAR2(20);
P_INTEGRATOR_USER_NAME VARCHAR2(240);
P_LANGUAGE        VARCHAR2(4);
P_SOURCE_LANGUAGE  VARCHAR2(4);
P_USER_ID         NUMBER(15);
P_INTERFACE_TABLE_NAME VARCHAR2(50);
P_INTERFACE_USER_NAME VARCHAR2(240);
P_FORCE          BOOLEAN;
P_ALL_COLUMNS     BOOLEAN := FALSE;

BEGIN
-- Define Constants
-- Application ID of the product that will own this Integrator
P_APPLICATION_ID := 200;
P_LANGUAGE      := 'US';
P_SOURCE_LANGUAGE := 'US';
-- Applications Database User ID that owns this Integrator
P_USER_ID       := 2045; --replace with your id or fnd_global.user_id
P_OBJECT_CODE   := 'DIRK_TEST2'; -- Object Code is used to generate the codes for
Integrator, Interface and Layout
---ADI details
P_INTEGRATOR_USER_NAME := 'Dirk Kreditoren Import'; -- Name of the Integrator that will be
displayed in the User Interface
P_INTERFACE_TABLE_NAME := 'XX_DIRK_AP_INTERFACE'; -- Name of the Database table that data
from the desktop application will be uploaded to.
P_INTERFACE_USER_NAME  := 'Dirk Kreditoren Import'; -- Name of the table that will be displayed
in
P_FORCE               := FALSE; -- When TRUE - all existing layout data will be removed before
recreating. Set to FALSE as there will be no layout data at this point
```

# AP ADI Import: Rest Analog Web ADI Konzept

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- Definieren des Layouts des ADI Sheet
- ADI Sheet ausfüllen
- ADI Daten laden
- Standard Interface starten

## Bei Fragen und Anmerkungen

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Mobil: ++49 (0) 171 49 23557



E-Mail-Adresse: Dirk.Blaurock@Dirk-Blaurock.de



Xing Oracle EBS Group: <https://www.xing.com/net/oracleebs/>

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