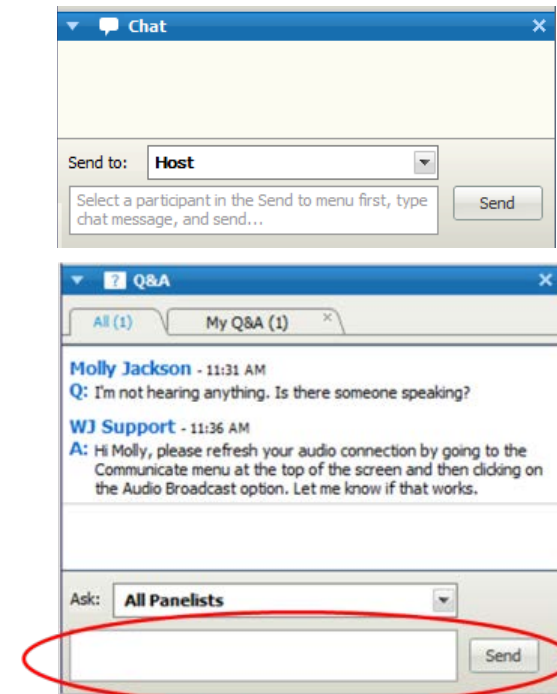
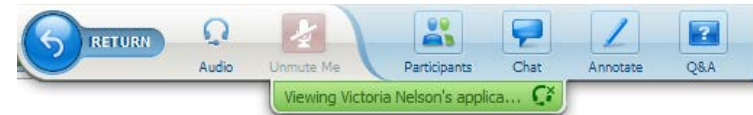


E-Business Suite Customization Impact Assessment



Webinar Mechanics

- Submit text questions.
- Q&A addressed at the end of the session. Answers will be posted within two weeks on our new LinkedIn Group, EBS Answers: <http://www.linkedin.com/groups/EBS-Answers-4683349/about>
- Everyone will receive an email with a link to view a recorded version of today's session.
- Polling questions will be presented during the session. If you want CPE credit for this webinar, you must answer all of the polling questions



Companies Need to Change Their Oracle® E-Business Suite Without Reimplementing

eprntise Can...

- ☐ Consolidate Multiple EBS Instances
- ☐ Change Underlying Structures and Configurations
 - Chart of Accounts, Other Flexfields
 - Merge or Split Ledgers or Sets of Books, Operating Units, Legal Entities, Inventory Organizations
 - Calendars, Currency, Costing Methods
 - Asset Revaluation, Inventory Valuation
- ☐ Separate Data for a Divestiture

...So Our Customers Can:

- ☐ Avoid a Reimplementation
- ☐ Reduce Operating Costs and Increase Efficiencies
- ☐ Adapt to Change
- ☐ Reduce Complexity and Control Risk
- ☐ Improve Business Continuity, Service Quality and Compliance
- ☐ Streamline Operations with Visibility to All Parts of the Business
- ☐ Establish Data Quality Standards and a Single Source of Truth

Finished But Not Done®

Learning Objectives

After completion of this presentation you will be able to:

Objective 1: Explain what a customization in Oracle® E-Business Suite is, and how customizations can be identified.

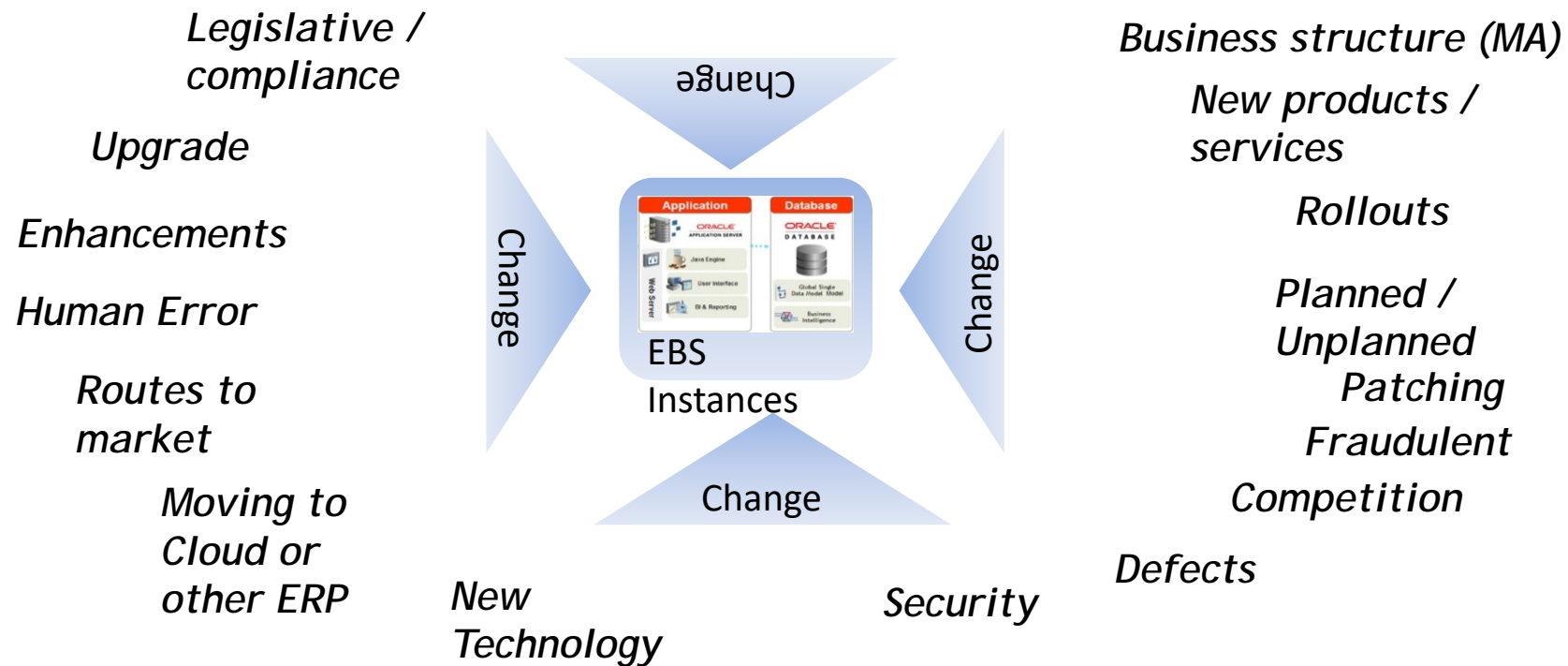
Objective 2: Determine how to assess the detailed impact on customizations of a change event.

Objective 3: Discover how to manage configuration change impacts.

- ❑ **Introductions**
- ❑ **Change and Challenges**
- ❑ **What is a customization and how to find them**
- ❑ **Customization Assessment**
- ❑ **Configuration Impact Assessment**
- ❑ **Q&A**

Sources of Change

Maintaining the integrity of your E-Business Suite deployment as it evolves – Lifecycle Management



Challenges

- Volumes of setups and key master data are too high to control manually
- Documentation is very time consuming to create / maintain
 - Documentation out of date / missing / incomplete / incorrect
- Identification and analysis of customisations
- Change is constant and impacts are difficult to identify and track
 - Patching / upgrades / projects / new users etc
- Validate the consistency of settings across environments & entities
- Deploying new & updated setups across multiple environments & entities
- Understanding of user access and how it is impacted by change

RICE Objects (Reports, Interfaces, Conversions and Extensions)

CEMLIs (Configuration, Extension, Modification, Localization and Integration)

❑ In 12.2 Vision Environment:

- 52,000+ Standard Packages
- 180+ Extensible Packages
- 52,000+ Views
- 25,000+ Tables
- 4,400+ Forms
- 330+ Procedures
- 3,000+ Functions
- 44,000+ Form Functions
- 2,800+ Registered DFFs
- 12,000+ Concurrent Programmes
- 13,800+ Menus
- 4,700+ Profile Options

Customization – Where Code Is Introduced

Database views
Database packages
Database functions
Database procedures
Database triggers
Workflow functions
Forms
Form Functions
Materialised views
Concurrent programs
Form Personalizations
HTML Personalizations
Custom Library
Discoverer folders
Profile option definitions

Collection elements
User defined queries
Object instance sets
Alerts
Value sets - table validated
Custom labels
Warehouse rules
Discoverer folders
Data definitions (XML
Publisher)
GRC form rules
GRC flow rules
Concurrent programs SQL
Parameters
Table validated DFFs
Object metadata
Extensions
Approval groups (AME)
Transaction types - items
classes
Transaction types - attributes

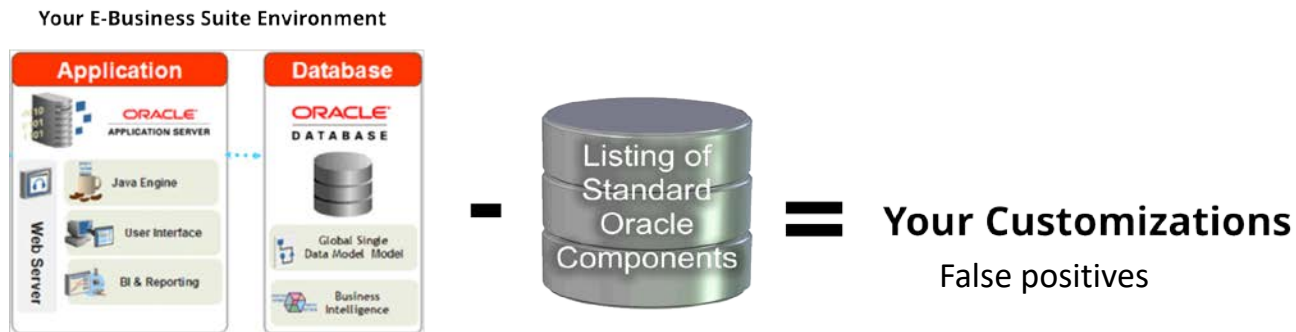
Object metadata
Spreadtable metadata
Business Rules
Declarative components
Declarative components
parameters
Profile variables
Audit statements
Security profiles
Dynamic triggers
Template queries
Scoring components
Delete constraints
Relationships (iStore)
Criteria categories
Data source attributes
Contract data model
Fast formulae

Coding Standards

- ❑ CEMLI / RICE Objects etc get blurred / lost over time, following Oracle coding standards makes them much easier to identify and avoid code being overwritten in upgrades / patching.
- ❑ Some suggestions include:
 - Save customizations in a custom schema
 - Use naming conventions that are unlikely to be use by Oracle (common notation xx)
 - Do not create components with generic user accounts such as Sysadmin – especially in R12!
 - References to table owner – 12.2
 - Oracle Support Knowledge Document [1577661.1](#), "Developing and Deploying Customizations in Oracle E-Business Suite Release 12.2"

Customization – How can they be identified?

- Naming conventions
- Use of custom schemas
- Existing documentation
- Create scripts – beware of FNDLOAD (Sysadmin, Autoinstall)
- Compare against a blank environment / Vision environment:



Modification = a change to seeded behaviour

Is any customization now obsolete – can we check?

❑ What are you looking for?

❑ Upgrade Impact:

- References to obsolete or modified objects
- Synonym provided?
- References to table owner (12.2)

❑ Patch Impact:

- References to impacted DB objects
- Dependency Analysis

❑ Other Impact: (CoA change, rollouts, multi-language etc):

- Hard coding (ledger IDs, Inv Org IDs)

❑ Tables with Translations column


Did we make the same updates in Dev > Test > UAT > Prod??

Modification – time to address these!

EBS Data Model Comparison Report Overview (Doc ID 1290886.1)

Product: AP (Payables)

- [Regular Tables](#) (73 differences found)
- [Partitioned Tables](#) (0 differences found)
- [Queue Tables](#) (0 differences found)
- [Index Orgnized Tables](#) (0 differences found)
- [Global Temporary Tables](#) (5 differences found)
- [Indexes](#) (30 differences found)
 - [New Indexes on Existing Tables & Columns](#) (15 differences found)
 - [New Indexes on new Tables & Columns](#) (4 differences found)
 - [other Index Changes](#) (11 differences found)
- [Views](#) (53 differences found)
- [Sequences](#) (10 differences found)
- [Materialized Views](#) (0 differences found)
- [Materialized View Logs](#) (0 differences found)
- [Advanced Queues](#) (0 differences found)
- [Triggers](#) (0 differences found)
- [Packages](#) (93 differences found)
- [Types](#) (0 differences found)
- [Security Object](#) (0 differences found)

 Regular Tables: (73 differences found)

Regular Tables	Object Definition Differences Between 12.1.3 and 12.2.7
AP_AUD_AUDIT_REASONS_ARC	Attribute Changes between 12.1.3 and 12.2.7 initial_extent-0 => 131072
AP_CC_TRX_DETAILS_ARC	Objects Added in 12.2.7 col-ARRIVAL_CITY_CODE col-ARRIVAL_DATE col-CARRIER_CODE col-CONJUNCTION_TICKET_NUMBER col-DEPARTURE_CITY_CODE col-DEPARTURE_DATE col-DOMESTIC_FLAG col-FARE_BASIS_CODE col-LEG_NUMBER col-SERVICE_CLASS_CODE col-STOPOVER_CODE Attribute Changes between 12.1.3 and 12.2.7 initial_extent-0 => 131072

Custom Versions of Standard Components

- ❑ Example:
- ❑ Custom version of a standard form
- ❑ Standard version of form is replaced as part of patching / upgrade
 - **Option 1:** Apply form customisation to the new version of the form
 - **Option 2:** Review updated form and apply changes made by Oracle to your customized version

Configuration

❑ How are things configured currently?

- BR100
- BR110
- DS030
- MC50

❑ How are they useful?

Client Data	TEXT
Seeded Data	TEXT
Amended Seeded Data	TEXT
Sysadmin Data	TEXT
Amended Sysadmin Data	TEXT
Anonymous Data	TEXT
Amended Anonymous Data	TEXT
User History Not Applicable	TEXT
User History Not Recorded	TEXT
Unknown User	TEXT
Inactive Record	
Difference Found	N/A
Whitespace Difference	N/A
Field Not Implemented	
Information Only	



1.17 Purchasing Lookups

Menu Path: Setup > Lookups > Purchasing

Field Name	Value
Type	VENDOR TYPE
Meaning/User Name	Valid supplier types
Application	Purchasing
Description	Valid Supplier types
Access Level	User
Security Group	Standard
View Application	Purchasing

Code	Meaning	Description	Tag	From	To	Enabled	Flexfield
AGENTE	Tax Collector Agent	Tax Collector Agent		01-JUN-2002		Yes	
ARRECADADOR							
COMPANY	Company	Company		28-NOV-2006		Yes	
CUSTOM IND	Custom Authorities-IND	Custom Authorities-IND		01-JAN-2004		Yes	
Contractor	Contractor	Contractor				Yes	
EMPLOYEE	Employee	Employee				Yes	
EXCISE IND	Excise Authorities-IND	Excise Authorities-IND		01-JAN-2004		Yes	
FEDERAL	Federal	Federal Supplier		01-JAN-1990		Yes	
FOOD DISTRIBUTOR	Food Supplies	Food Supplies Distributor		25-JAN-2001		Yes	
GPO	Group Purchasing Organization	Group Purchasing Organization		25-JAN-2001		Yes	
GR_ABR	GR_ABR	Vendors outside of Greece		01-JAN-2003		Yes	
GR_INT	GR_INT	Vendors in Greece		01-JAN-2003		Yes	
GR_PUB	GR_PUB	Vendors - Public Sector		01-JAN-2003		Yes	
Government	Government	Government				Yes	
INDIA CUSTOMS AUTHORITY	India Customs Authority	India Customs Authority		12-AUG-2005		Yes	
INSURANCE	Insurance Company	Insurance Company				Yes	
INSURER	Insurance Provider	Insurance Provider		08-NOV-2002		Yes	
IRC_JOB_AGENCY	Job Agency	Job Agency		09-NOV-2004		Yes	
Internal	Internal	Internal				Yes	
MAINTENANCE	Maintenance Supplier	Maintenance Supplier		12-SEP-2003		Yes	
MEDICAL DISTRIBUTOR	Medical Supplies Distributor	Medical Supplies Distributor		25-JAN-2001		Yes	
MEDICAL MANUFACTURER	Medical Manufacturer	Medical Manufacturer		25-JAN-2001		Yes	
Manufacturing	Manufacturing	Manufacturing				Yes	
NON-FED	Non-Federal	Non-Federal Supplier		01-JAN-1990		Yes	

Configuration Impact Assessment

- ❑ Compare settings pre / post event
- ❑ EBS ATG Seed Data Comparison Report (Doc ID [1327399.1](#))
- ❑ iSetup

EBS ATG Seed Data Comparison Report

Reference: Please refer to MOS Note: [1327399.1](#)

FAMILY: Applications Technology (ATG) ▼

Summary statistics of Differences

Generated on: 14-Aug-2017

Summary of differences across Releases

Product	12.2.7 Vs 12.2.6			12.2.7 Vs 12.2.5			12.2.7 Vs 12.2.3			12.2.7 Vs 12.1.3			12.2.7 Vs 11iM		
	Added in 12.2.7	Removed in 12.2.7	Changed in 12.2.7	Added in 12.2.7	Removed in 12.2.7	Changed in 12.2.7	Added in 12.2.7	Removed in 12.2.7	Changed in 12.2.7	Added in 12.2.7	Removed in 12.2.7	Changed in 12.2.7	Added in 12.2.7	Removed in 12.2.7	Changed in 12.2.7
AD	-	-	-	-	-	2	-	-	4	3	-	27	7	2	-
AK	-	-	-	-	-	5	1	-	13	1	-	14	5	-	-
ALR	-	-	-	-	-	5	-	2	6	-	-	6	2	-	-
AZ	-	-	-	1	-	5	1	-	35	2	-	38	340	4385	-
BINE	12	-	58	69	-	66	98	-	72	154	-	73	483	5	-
EC	-	-	-	-	-	1	-	-	1	-	-	1	6	6	-
ECX	-	-	-	-	-	1	-	-	1	2	-	1	12	-	-
FND	287	3	72	1392	5	150	2871	7	236	3299	6	317	4626	181	-
FRM	1	-	1	4	-	12	58	-	13	92	-	11	100	13	-
IZU	-	-	-	-	-	1	-	-	1	-	-	1	2	-	-
JIT	2	-	815	15	2	823	22	4	831	44	3	49	1479	93	-
JTS	-	-	-	-	-	1	-	-	2	-	-	3	2	-	-
SHT	-	-	-	-	-	1	-	-	1	-	-	1	2	-	-
XDO	-	-	-	-	-	6	-	-	8	26	-	15	38	3	-
ALL	95	-	22	192	2	46	357	2	113	702	-	254	1150	29	-
TOTAL	397	3	968	1673	9	1125	3408	15	1337	4325	9	811	8254	4717	-

** Total count of non-striped seed entities (Printer Styles, Request Sets and Value Sets) across all EBS products.

You are here: ATG > FND > 12.2.7 Vs 12.2.6 > Profiles: Seed Data Differences

Statistics of differences

Matching rows: 213
Added in 12.2.7: 13
Removed in 12.2.7: 0
Changed in 12.2.7: 14

Summary of items Changed in 12.2.7

12.2.7	12.2.6
Profile 'APPS_DATABASE_ID'	Profile 'APPS_DATABASE_ID'
Profile 'APPS_FRAMEWORK_AGENT'	Profile 'APPS_FRAMEWORK_AGENT'
Profile 'APPS_JSP_AGENT'	Profile 'APPS_JSP_AGENT'
Profile 'APPS_SERVLET_AGENT'	Profile 'APPS_SERVLET_AGENT'
Profile 'APPS_SSO_HINT_COOKIE_NAME'	Profile 'APPS_SSO_HINT_COOKIE_NAME'
Profile 'APPS_WEB_AGENT'	Profile 'APPS_WEB_AGENT'
Profile 'FND_ATTACHMENT_URL_VALIDATION'	Profile 'FND_ATTACHMENT_URL_VALIDATION'
Profile 'FND_SHOW_INSTANCE_NAME'	Profile 'FND_SHOW_INSTANCE_NAME'
Profile 'FND_SOLNET_ACCESS'	Profile 'FND_SOLNET_ACCESS'
Profile 'HELP_WEB_BASE_URL'	Profile 'HELP_WEB_BASE_URL'
Profile 'SITEVAME'	Profile 'SITEVAME'
Profile 'TFC_HOST'	Profile 'TFC_HOST'
Profile 'TWO_TASK'	Profile 'TWO_TASK'
Profile 'UMX_PWD_RESET_TIMEOUT'	Profile 'UMX_PWD_RESET_TIMEOUT'

Summary of items Added in 12.2.7

- Profile 'FND_CONTENT_SECURITY_POLICY_LEVEL'
- Profile 'FND_CSP_INLINE_SCRIPTING'
- Profile 'FND_ENABLE_GLOBE_TRANSLATION'
- Profile 'FND_ENABLE_JAVA_WEB_START'
- Profile 'FND_ENABLE_LIST_SEARCH'
- Profile 'FND_ENABLE_SIMPLIFIED_SEARCH'
- Profile 'FND_SEC_ALLOWED_RESOURCES'
- Profile 'FND_SEC_AUDIT_RESOURCES'
- Profile 'FND_SEC_LOG_RESOURCES'
- Profile 'FND_SEC_RESOURCES_LAST_UPDATE'
- Profile 'FND_SEC_RESOURCES_METADATA'
- Profile 'FND_USER_THEME'
- Profile 'WF_DISABLE_REASSIGN_SUBMITTER'

Details of Differences in 12.2.7

12.2.7	12.2.6
BEGIN PROFILE 'APPS_DATABASE_ID'	BEGIN PROFILE 'APPS_DATABASE_ID'
20010705	20010705
APPLICATION_SHORT_NAME = 'FND'	APPLICATION_SHORT_NAME = 'FND'
USER_PROFILE_OPTION_NAME = 'Applications Database ID'	USER_PROFILE_OPTION_NAME = 'Applications Database ID'
DESCRIPTION = 'Override database id generated from current instance'	DESCRIPTION = 'Override database id generated from current instance'
USER_CHANGEABLE_FLAG = 'N'	USER_CHANGEABLE_FLAG = 'N'
USER_VISIBLE_FLAG = 'Y'	USER_VISIBLE_FLAG = 'Y'
READ_ALLOWED_FLAG = 'Y'	READ_ALLOWED_FLAG = 'Y'
WRITE_ALLOWED_FLAG = 'Y'	WRITE_ALLOWED_FLAG = 'Y'
SITE_ENABLED_FLAG = 'Y'	SITE_ENABLED_FLAG = 'Y'
SITE_UPDATE_ALLOWED_FLAG = 'Y'	SITE_UPDATE_ALLOWED_FLAG = 'Y'
APP_ENABLED_FLAG = 'Y'	APP_ENABLED_FLAG = 'Y'
APP_UPDATE_ALLOWED_FLAG = 'Y'	APP_UPDATE_ALLOWED_FLAG = 'Y'
RESP_ENABLED_FLAG = 'Y'	RESP_ENABLED_FLAG = 'Y'
RESP_UPDATE_ALLOWED_FLAG = 'Y'	RESP_UPDATE_ALLOWED_FLAG = 'Y'
USER_ENABLED_FLAG = 'Y'	USER_ENABLED_FLAG = 'Y'
USER_UPDATE_ALLOWED_FLAG = 'Y'	USER_UPDATE_ALLOWED_FLAG = 'Y'
START_DATE_ACTIVE = '20010101'	START_DATE_ACTIVE = '20010101'
HIERARCHY_TYPE = 'SECURITY'	HIERARCHY_TYPE = 'SECURITY'
SERVER_ENABLED_FLAG = 'N'	SERVER_ENABLED_FLAG = 'N'
SERVER_UPDATE_ALLOWED_FLAG = 'N'	SERVER_UPDATE_ALLOWED_FLAG = 'N'
ORG_ENABLED_FLAG = 'N'	ORG_ENABLED_FLAG = 'N'
ORG_UPDATE_ALLOWED_FLAG = 'N'	ORG_UPDATE_ALLOWED_FLAG = 'N'
SERVERRESP_ENABLED_FLAG = 'N'	SERVERRESP_ENABLED_FLAG = 'N'
SERVERRESP_UPDATE_ALLOWED_FLAG = 'N'	SERVERRESP_UPDATE_ALLOWED_FLAG = 'N'
BEGIN FND_PROFILE_CATEGORY_OPTIONS 'FND_DATABASE_FND'	BEGIN FND_PROFILE_CATEGORY_OPTIONS 'FND_DATABASE_FND'
DISPLAY_SEQUENCE = '9'	DISPLAY_SEQUENCE = '9'
20050920	20050920
END FND_PROFILE_CATEGORY_OPTIONS	END FND_PROFILE_CATEGORY_OPTIONS
BEGIN FND_PROFILE_OPTION_VALUES '10001'	BEGIN FND_PROFILE_OPTION_VALUES '10001'
END FND_PROFILE_OPTION_VALUES	END FND_PROFILE_OPTION_VALUES

ConfigSnapshot – Configuration Automation & Control

Client Data	TEXT
Seeded Data	TEXT
Amended Seeded Data	TEXT
Sysadmin Data	TEXT
Amended Sysadmin Data	TEXT
Anonymous Data	TEXT
Amended Anonymous Data	TEXT
User History Not Applicable	
User History Not Recorded	
Unknown User	
Inactive Record	
Difference Found	
Whitespace Difference	
Field Not Implemented	
Information Only	

Code	Meaning	Description	Tag	From	To	Enrolled	Perfected
ADMIN-ADMIN-CHOICE	Tax Collector Agent	Tax Collector Agent		01-JUN-2002		Yes	
ADMIN-CONTRACTOR	Contractor	Contractor		20-JUN-2002		Yes	
CUSTOM-IND	Custom Authorities-IND	Custom Authorities-IND		01-JUN-2004		Yes	
CONTRACTOR	Contractor	Contractor				Yes	Yes
EMP-EMPLOYEE	EMPLOYEE	EMPLOYEE				Yes	Yes
EXCISE-IND	Excise Authorities-IND	Excise Authorities-IND		01-JUN-2004		Yes	
FEDERAL	Federal	Federal Supplier		01-JUN-1990		Yes	

[illegible][illegible]

```

graph LR
    Baseline[(Baseline)] --> Plan[Plan / Transform / Review]
    Source[(Source E-Business Suite Instance)] --> Plan
    Plan --> Load[Load]
    Load --> Target[(Target E-Business Suite Instance)]
    Load --> CSS[(CSS Repository)]
    Load --> Compare[Compare]
    Compare --> Report[Comparison Report]
    Compare --> Load
    Load --> Plan
    Plan -- "Rejected Records Plan" --> Load
    Plan -- "Upload / Download" --> Excel[Excel]
    Plan -- "Upload / Download" --> BR100[Planned Setup Report BR100]
  
```

Baseline

Point in time baseline comparisons

Any environment / other baseline or plan

Full Audit

Field Name	12.1.0	12.1.0
Admiration Last	Amphipus Vn. Kufly	Amphipus Vn. Kufly
Admiration Last	10000	10000
Audit Events		
Access	Before Update	After Update
Access	08/10/2012 10:41	08/10/2012 10:41
Change	Before Update	After Update
Change	17/22 31 30	17/22 31 30
Delete	Before Update	After Update
Delete	08/10/2012 10:41	08/10/2012 10:41
Field Name	12.1.0	12.1.0
Enterprise	Amphipus Vn. Kufly	Amphipus Vn. Kufly
Enterprise	10000	10000
Audit Events		
Access	Before Update	After Update
Access	08/10/2012 10:41	08/10/2012 10:41
Change	Before Update	After Update
Change	17/22 31 30	17/22 31 30
Delete	Before Update	After Update
Delete	08/10/2012 10:41	08/10/2012 10:41

[illegible]

Thank You!

Gordon Halley

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