

## ConfigSnapshot Overview

### Managing E-Business Suite Setup and Configuration

Effective management of Oracle E-Business Suite setup is essential. Whether implementing or extending applications, performing support or undertaking patching and upgrades, organisations must ensure work can be done efficiently, accurately and with minimum risk – while maximising the benefit to the business.

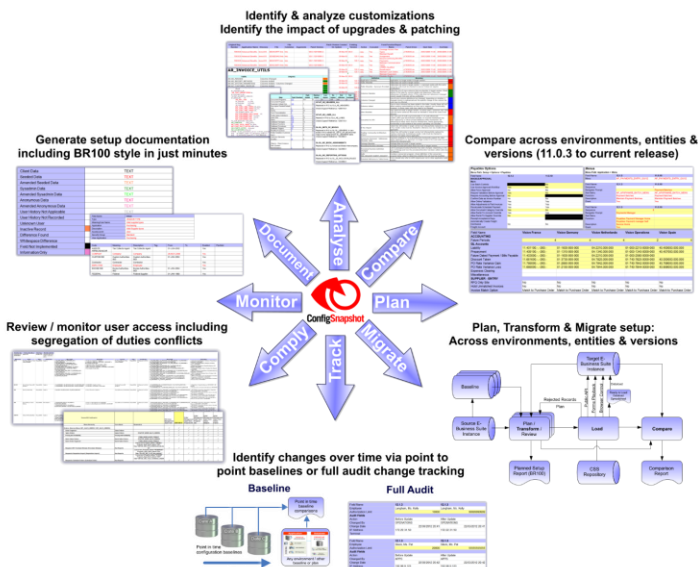
The complexity of the Oracle E-Business Suite, from both functional and technical perspectives, makes this a time consuming and costly process – and one that is highly prone to human error.

Too often we hear phrases such as “*It works on the test environment*” or “*It worked two weeks ago*” - usually heralding a “needle-in-a-haystack” hunt to work out either what is different between two environments or what has changed since a process last worked successfully.

As organisations implement functionality it is critical that the setup to support it is correctly managed across multiple environments.

Organisations have increasing requirements to better control setup; to ensure both access to data is properly secured and that any changes to setup have been properly authorised.

ConfigSnapshot has been developed to address exactly these types of problems. It is an easy to use application that dramatically reduces the time required for such tasks, increasing their accuracy and minimising the risks normally associated with them.



Field Name	Value
Type	ENDOR TYPE
Meaning/User Name	Valid supplier types
Application	Oracle Purchasing
Description	Valid Supplier types
Access Level	User
Security Group	Global

Seeded data is clearly highlighted to make it distinct from data set up for the implementation

Code	Meaning	Description	Tag	From	To	Enabled	Flexfield
Contractor	Contractor	Contractor				Yes	
EMPLOYEE	Employee	Employee				Yes	
FEDERAL	Federal	Federal Supplier		01-JAN-1990		Yes	
FOOD DISTRIBUTOR	Food	Food Supplier		28-JAN-2001		Yes	
ORG	Org						
GR_ABR	GR						
GR_INT	GR						
GR_PUB	GR						
GOV	Govt						
INSURANCE	Insur						
INSURER	Insur						
INTERNAL	Internal						
MEDICAL	Medical						
DISTRIBUTOR	Distrib						
MEDICAL	Medical						
MANUFACTURER	Manu						
NON-FED	Non-Fed						
One-Time	One-Time						
PHARMA	Pharm						
DISTRIBUTOR	Distrib						
PUBLIC SECTOR	Public						
COMPANIES	Comp						
SUPPLIES	Supp						
Service	Serv						
Sub-Contractor	Sub-Contr						
TAX AUTHORITY	Tax						
Utility	Util						
VENDOR	Vendor						

Field Name	Value	Field Name	Value
Receipt Date		Receipt Date	
Receipt Days Early	5	Receipt Days Early	5
Receipt Days Late	5	Receipt Days Late	5
Over Receipt Control	Warning	Over Receipt Control	Warning
Tolerance	5	Tolerance	5
Over Receipt Action	Warning	Over Receipt Action	Warning
Miscellaneous		Miscellaneous	
Allow Substitute Receipts	Yes	Allow Substitute Receipts	Yes
Allow Unordered Receipts	Yes	Allow Unordered Receipts	Yes
Allow Express Transactions	Yes	Allow Express Transactions	Yes
Allow Cascade Transactions	Yes	Allow Cascade Transactions	Yes
Allow Blind Receiving	No	Allow Blind Receiving	No
Validate Serial Numbers on RMA	Yes	Validate Serial Numbers on RMA	Yes
Receipt Routing	Direct Delivery	Receipt Routing	Direct Delivery
Enforce Ship-To	Warning	Enforce Ship-To	Warning
ASN Control Action	Warning	ASN Control Action	Warning
RMA Receipt Routing	Direct Delivery	RMA Receipt Routing	Direct Delivery
Validate Lots on RMA Receipts	Unrestricted	Validate Lots on RMA Receipts	Unrestricted
Receipt Number Options		Receipt Number Options	
Receipt Number Generation	Automatic	Receipt Number Generation	Automatic
Receipt Number Type	Numeric	Receipt Number Type	Numeric
Next Receipt Number	9610	Next Receipt Number	9610
Accounting		Accounting	
Receiving Inventory Account	01-000-1410-0000-000	Receiving Inventory Account	01-000-1410-0000-000
Retroactive Price Adjustment Account	01-000-5230-0000-000	Retroactive Price Adjustment Account	01-000-5230-0000-000
Clearing Account	01-000-1410-0000-000	Clearing Account	01-000-1410-0000-000

Fields not implemented on an environment are blacked out for clarity. This enables comparisons even when the environments are on different versions.

Differences clearly highlighted

### Features include

- Automatically create setup documentation - flexible formats and content including **BR100** style
- **Migrate setup** from one instance / entity to others- extract > transform / plan (even across different versions of the E-Business Suite) > load > compare
- **Directly compare** multiple environments, showing all fields or a summary of the differences
- Compare **operating units**, sets of books etc. within an environment and across environments
- Compare setup across **different versions** of the E-Business Suite when upgrading / reimplementing
- **Identify and analyse customizations** to determine impact and remediation during an upgrade / patching
- **Patch impact analysis** – prioritise testing on areas directly affect via patching
- Create date stamped copies of setup (**baselines**) enabling historic reporting and comparison over time
- **Full audit** change tracking
- **Differentiate** implementation and seeded data
- **Segregation of Duties** conflict reporting
- Present complex data in **simple context-based reports** simplifying system administration
- **Multiple reporting formats** including HTML, Word, Excel, XML as well as interactive screen-based
- **Extend** capabilities across any data areas

### Availability

ConfigSnapshot covers over 130 Oracle E-Business Suite modules and is available for Release 12, 11i and 11.0.3.



# ConfigSnapshot

The most **comprehensive & flexible** configuration management software available for the E-Business Suite

## Benefits For Functional Resources

### Implementing / Extending Modules

- Eliminate the need to manually maintain detailed setup documentation
  - Plan configurations prior to entering into the E-Business Suite
  - Automatically generate BR100 documents
  - Ensure documentation is free from error
  - Use baselines to capture setups at key points during the project to better control each stage
  - Audit setup to ensure it is complete / correct
  - Reduce document management time by > 90%; focus on delivering the optimum solution - rather than on administrative tasks
  - Compare planned setup with the environment
- Manage setup between environments
  - Documented setup information is known to be accurate – no need to manually recheck
  - Analyse setup on a source environment to identify exactly what should be configured
  - Integrate directly with tools such as DataLoad to help automate migration
  - Check setup has been correctly configured by comparing source and target environments
- Keep multiple environments synchronised
  - Regularly run comparisons across environments ensuring modifications are correctly applied
- Help resolve issues that arise
  - Quickly report on areas related to the issue
  - Identify changes that might cause the issue
  - Concentrate on determining the cause of the issue and fixing it – not just gathering data
- Roll out across operating units / sets of books etc.
  - Quickly plan setups based on existing entities
  - Ensure new entity is configured as planned
  - Check any differences are as expected due to local requirements
  - Better target testing across multiple entities

Field Name	Vision France	Vision Germany	Vision Netherlands	Vision Operations
<b>ACCOUNTING</b>				
Future Periods	4	4	4	3
Liability	11-4011000-000	01-1600-000-000	04-2210-000-000	01-000-2210-0000-000
Prepayment	11-409100-000	01-1110-000-000	04-1140-000-000	01-000-1140-0000-000
Future Dated Payment / Bills Payable	11-403000-000	01-1800-000-000	04-2210-000-000	01-000-2280-0000-000
Receipt Taxes	11-561000-000	01-3730-000-000	04-3825-000-000	01-740-7815-0000-000
PO Rate Variance Gain	11-760000-000	01-2600-000-000	04-7842-000-000	01-740-7842-0000-000
PO Rate Variance Loss	11-696000-000	01-2150-000-000	04-7844-000-000	01-740-7844-0000-000
Expense Clearing				
Miscellaneous				
Interest				
<b>SUPPLIER - ENTRY</b>				
PO Only Site	No	No	No	No
Hold Unmatched Invoices	No	No	No	No
Invoice Match Option	Match to Purchase Order	Match to Purchase Order	Match to Purchase Order	Match to Purchase Order
<b>Supplier Number</b>				
Number Entry	Automatic	Automatic	Automatic	Automatic
Number Type	Alphanumeric	Alphanumeric	Numeric	Numeric

### Supporting the E-Business Suite

- Simplify resolving issues
  - View setups via reports or interactive forms
  - Identify and resolve issues more effectively
  - Compare setup against environments or entities where the issue does not occur
  - Identify changes that may have caused the issue
- Improve system management / administration
  - Create regular configuration baselines to audit changes over time; ensure they were authorised
  - Implement tighter control on application security areas including user access, function accessibility, report accessibility, segregation of duties reporting etc.
  - Quickly create reusable reports to assist with system management – without coding; ensure policies are enforced, look for exceptions etc.

User	Employee	Accounting (Web)	General Ledger (Web)	General Ledger (Web)	General Ledger (Web)	General Ledger (Web)	General Ledger (Web)	General Ledger (Web)	General Ledger (Web)	General Ledger (Web)	General Ledger (Web)	General Ledger (Web)	General Ledger (Web)	General Ledger (Web)	General Ledger (Web)	General Ledger (Web)	General Ledger (Web)	General Ledger (Web)	General Ledger (Web)	General Ledger (Web)	
DPHILLIP	Phillip, Mr. Don																				
DREEVES	Reeves, Doctor Don																				
DRICSS	Ross, Mr. Don																				
DRUANE																					
DRYAN	Ryan, Mr. Andrew David (Drew)																				
DSOUTH	South, Mr. David																				
DSPEED																					
DSUTHERLAND	Sutherland, Mr. Daniel																				
DTHORNTON	Thornton, Mrs. Dale																				
DTRIPPE																					
DVLPT	Zaro, Mrs. Deborah																				
DZANE	Zeigler, Ms. Dianne																				
EBBA																					
EBBINS	Bennis, Ms. Elaine																				
EBRANNON																					
EBUSINESS	Taylor, Phillip Charles																				
EBUSINESS-MFG	Barton, Jeffrey M.																				
EBUSINESS-MANUFACTU	Barton, Jeffrey M.																				
EDAVIS	Davis, Mr. Ed J.																				

### Upgrading / Patching

- Identify any setup affected by the upgrade / patch
  - Identify any existing setup changed
  - Identify new seed data introduced - to better assess the impact on business processes
- Identify components (forms, functions, workflows etc.) affected by the patch
  - Focus testing on modified areas
  - Minimise unnecessary testing
  - Reduce risk of missing affected components
- Ensure all setup steps are accurately repeated during each iteration of the process
  - Identify steps previously completed but not documented
  - Check steps completed correctly as planned

Contact the ConfigSnapshot team on:  
 +44 208 133 4490 / +1 (646) 652 6650  
 Or email: [info@rookerysoftware.com](mailto:info@rookerysoftware.com)  
[www.configsnapshot.com](http://www.configsnapshot.com)



## Benefits For Technical Resources

ConfigSnapshot supports technical development of extensions to the Oracle E-Business Suite in several ways, including:

- Automatically provide a “Technical Reference Manual” for bespoke database objects, including:
  - Tables
  - Views
  - Indexes
  - Packages
  - Triggers
- Document application setup steps required to support bespoke extensions, including:
  - Concurrent Programs
  - Executables
  - Forms
  - Functions
  - Menus
  - Request Groups
  - Request Sets
  - Value Sets
- Document other technical setup areas, including:
  - Payroll fast formulae
  - Alert definitions

Field Name	Value
Name	CL_EARN_POTENTIAL
Type	Oracle Payroll
Description	HRMS Vision Custom Library Earnings Potential Formula
Date From	01-JAN-1997
Date To	31-DEC-4712
Formula	<pre> /* This formula was created as part of the Release 11 Vision work to show how it is possible to link user defined business rules ( recorded in Oracle FastFormulas ) to OLTP forms ( via the Custom Library ).  In Release 11 of the Oracle HRMS Application, FastFormulas create PL/Sql. This therefore means that any interface that can access PL/Sql can now execute FastFormulas.  FastFormulas defined business rules can also be linked in to server side core procedures by using API User Hooks ( another new feature in Release 11 Oracle HRMS ).  */ Default for PER_AGE is 0 Default for current_earn is 0 Inputs are current_earn  IF PER_AGE was defaulted then (EARN_POTEN= EARN_MESG='Persons age not recorded. Unable to work out future earnings potential') ELSE (IF PER_AGE &gt;= 30 then (EARN_POTEN=current_earn * 4.5 EARN_MESG='Earnings potential is 4.5 times Current Earnings') ELSE (EARN_POTEN=current_earn * 1.5 EARN_MESG='Earnings potential is 1.5 times Current Earnings')) </pre>

- Workflows
  - Reduce development time by simplifying understanding of existing workflows
  - Document customisations
- Document / compare personalisations
  - Common Framework Personalisation
  - Forms Personalisation
  - HTML Personalisation

- Report on file system components
  - Review contents of files
  - Compare files contents across environments; ensure they have been migrated correctly
  - Identify files missing from any environment
- Create backup versions of technical setup in case previous details need to be reapplied
- Help check that extensions have been completed according to standards
- Ensure components are configured correctly across all environments
- Assess the impact of upgrades / patches
  - Identify customisations
  - Identify changes to standard Oracle technical components that may impact custom versions
  - Impact analysis of customisation due to upgrade

**XXX Unbooked Sales Orders (XXX Custom Applications)**

Program Type: Oracle Reports

Object	Impact	Number of References
AR_HZ_LOC_ASSIGNMENTS	Table Obsolete - Synonym Provided	7
AR_HZ_LOCATIONS	Columns Added	7
AR_HZ_PARTIES	Columns Added	8
AR_HZ_PARTY_SITES	Columns Added	7
AR_RA_SITE_USES_ALL	Synonym Removed - References Obsolete Table	3
AR_RA_CONTACTS	Synonym Removed - References Obsolete Table	3
APPS_RA_SITE_USES	View Obsolete	3
FND_FND_CONCURRENT_REQUESTS	Columns Added	5
FND_FND_DOCUMENTS_SHORT_TEXT	Columns Changed	3
FND_FND_PRODUCT_GROUPS	Columns Added	4
GL_GL_SETS_OF_BOOKS	Table Obsolete - Synonym Provided	8
APPS_GL_CURRENCY_API_CONVERT_AMOUNT	Procedure/Function Definition Changed	12
APPS_GL_CURRENCY_API_GET_DERIVE_TYPE	Procedure/Function Definition Changed	11
ONT_OE_ORDER_LINES_ALL	Columns Added / Columns Changed	4
ONT_OE_PRICE_ADJUSTMENTS	Columns Added	9
APPS_OE_ORDER_LINES	Converted to VPD / Columns Added	1
APPS_OE_ORDER_HEADERS	Converted to VPD	2
WSH.WSH_CARRIERS	Columns Added	2

- Highlights affected objects in custom code and how to remediate

```

                                per_unreceived,
                                comp,
                                gsb.name,
                                fnd_date.date_to_chardt(sysdate) today,
                                (poll.quantity*pol.unit_price) amount_ordered,
                                (poll.quantity_received*pol.unit_price) amount_received,
                                (poll.quantity_billed*pol.unit_price) amount_billed
from
PO_VENDORS                                vnd,
GL_SETS_OF_BOOKS                          gsb,
po_line_types                              polt,
hr_employees                              hra,
hr_locations                              hrl,
FINANCIALS_SYSTEM_PARAMETERS fsp,
PO_RELEASES                                porel,
PO_LINES                                  AR.AR_LOCATION_RATES
PO_HEADERS                                AR.AR_LOCATION_VALUES
where
gsb.set_of_books = vnd.set_of_books
and porel.po_release = vnd.po_release
and poll.po_line_type = polt
and pol.po_header = hrl
and polt.line_type = hrl.location
and vnd.vendor = hrl.location

```

Oracle's E-Business Tax module in R12 replaces the tax setup in 11i subledger. Tax rates are primarily stored in ZX\_RATES\_B and ZX\_ACCOUNTS.

In R12 values from AR\_LOCATION\_VALUES are migrated to the table HZ\_GEOGRAPHIES. A view call AR\_LOCATION\_VALUES has been introduced in R12 that looks over the following tables:

- HZ\_GEOGRAPHIES
- HZ\_RELATIONSHIPS
- FND\_SEGMENT\_ATTRIBUTE\_VALUES
- FND\_ID\_FLEX\_SEGMENTS

Code may continue to work correctly due to the view being introduced but it is recommended that it is checked to ensure the context remains consistent.

Oracle Support Reference: 1283524.1



# ConfigSnapshot

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## Benefits For Database Administrators

ConfigSnapshot provides support for database administration of Oracle E-Business Suite in several ways, including:

- Documentation for key database settings, including
  - Database objects
  - Database parameters
  - SP File parameters
  - Database registry
  - Tablespace
  - Undo / Rollback segments
  - NLS parameters
  - Database files

Name	Type	Value	Description	Default Value	Session Modifiable	System Modifiable	Adjusted	Comment
OF_DICTIONARY_ACCESSIBILITY	1	FALSE	Version 7 Dictionary Accessibility Support	Yes	No	No	No	
a_tree_bitmap_plans	1	FALSE	enable the use of bitmap plans for tables w. only 8-tree indexes	No	Yes	IMMEDIATE	No	Required (3) setting
fast_full_scan_enabled	1	FALSE	enable/disable index fast full scan	No	Yes	IMMEDIATE	No	
index_join_enabled	1	FALSE	enable the use of index joins	No	Yes	IMMEDIATE	No	Required (3) setting
lks_with_bind_as_equality	1	TRUE	break LHS predicate with bind as an equality predicate	No	Yes	IMMEDIATE	No	
sort_elimination_cost_ratio	3	5	cost ratio for sort elimination under first_rows mode	No	Yes	IMMEDIATE	No	
sqlexec_progression_cost	3	3147483047	sql execution progression monitoring cost threshold	No	Yes	IMMEDIATE	No	
system_trig_enabled	1	TRUE	are system triggers enabled	No	No	IMMEDIATE	No	
trace_files_public	1	TRUE	is user publicly accessible trace files	No	No	No	No	
active_instance_count	3		number of active instances in the cluster database	Yes	No	No	No	

- Documentation for E-Business Suite setup, including
  - Concurrent manager definition
  - Printers
  - Print styles
  - Printer drivers
  - Workflow setups
  - Profile options
- Review / document contents of key system files, including:
  - Environment files
  - DBC files
- Comparison of setup across Oracle E-Business Suite environments to ensure setup is consistent / appropriate for each environment

- Comparison across historic versions of Oracle E-Business Suite environments to identify when changes have been made
- Improve patch management
  - Pre & post patch impact analysis
  - Check patches applied to an environment
  - Compare patches across multiple environments
  - Determine timing statistics for patch application
  - Understand the impact of patches by identifying all components affected
  - Determine whether patches have affected components in the same way during multiple iterations of the patch application
  - Understand which patches have affected a particular component

Field Name	Value
Application Name	Application Utilities
Patch Name	3460000
Patch Type	DATA-SET
Original Bug Number	3460000
Patch Error	01460000.drv

Bug Application Name	Bug Number	Component Application	Directory	File	Patch Version	Existing Version	Form/Function/Report Name
Application Utilities	3460000	Advanced Benefits	Forms/US	BENLITHE.fmb	115.98	115.83	Authenticate the person
Application Utilities	3460000	Advanced Benefits	Forms/US	BENLPRO.fmb	115.101	115.97	Maintain Eligibility Profiles
Application Utilities	3460000	Advanced Benefits	Forms/US	BENLPEE.fmb	115.128	115.127	Non-Plan Program Enrollment
Application Utilities	3460000	Advanced Benefits	Forms/US	BENLEVS.fmb	115.116	115.109	Life Event Reasons
Application Utilities	3460000	Advanced Benefits	Forms/US	BENL1VP.fmb	115.44	115.42	Maintain Plan Type Definitions
Application Utilities	3460000	Advanced Benefits	Forms/US	BENSTCA.fmb	115.151.15101.2	115.151	Maintain Standard Contribution/Distribution Definitions
Application Utilities	3460000	Advanced Benefits	Forms/US	BENOC4.G.fmb	115.18	115.16	Change Event Log
Application Utilities	3460000	Advanced Pricing	Forms/US	QPARCHV.fmb	115.12.11510.5	115.12	Archive Pricing Entities
Application Utilities	3460000	Advanced Pricing	Forms/US	QPCCOAT.fmb	115.68.11510.4	115.62	Content and Segments
Application Utilities	3460000	Advanced Pricing	Forms/US	QPCCUR.fmb	115.11.11510.4	115.11	Define Multi-Currency Lists
Application Utilities	3460000	Advanced Pricing	Forms/US	QPCCVMS.fmb	115.28.11510.2	115.25	Event Phases
Application Utilities	3460000	Advanced Pricing	Forms/US	QPCCPAL.fmb	115.30.11510.5	115.30	Add Inventory Items
Application Utilities	3460000	Advanced Pricing	Forms/US	QPCCPR.fmb	115.53.11510.2	115.53	Copy Price List
Application Utilities	3460000	Advanced Pricing	Forms/US	QPCCPRR.fmb	115.94.11510.3	115.94	Define Pricing Formulas

- Display information in a format to help ensure that installations are done according to standards defined by Oracle and any company standards
- Provide proactive rather than reactive management
- Reduce support time and issue resolution by fast query of setup information – either in reports or via interactive screen-based queries
- Facilitate interaction with Oracle Support by providing key information quickly

## ConfigSnapshot Free Trial

Email us at [info@rookerysoftware.com](mailto:info@rookerysoftware.com) to take ConfigSnapshot for a test drive against your own environments to explore the power of the product and discover for yourself the benefits it can provide.

## Free Web Demonstration

Request a free tailored web demonstration where we can discuss your specific plans and requirements for the E-Business Suite and show you how ConfigSnapshot can assist you.

Contact the ConfigSnapshot team on:  
 +44 208 133 4490 / +1 (646) 652 6650  
 Or email: [info@rookerysoftware.com](mailto:info@rookerysoftware.com)  
[www.configsnapshot.com](http://www.configsnapshot.com)

