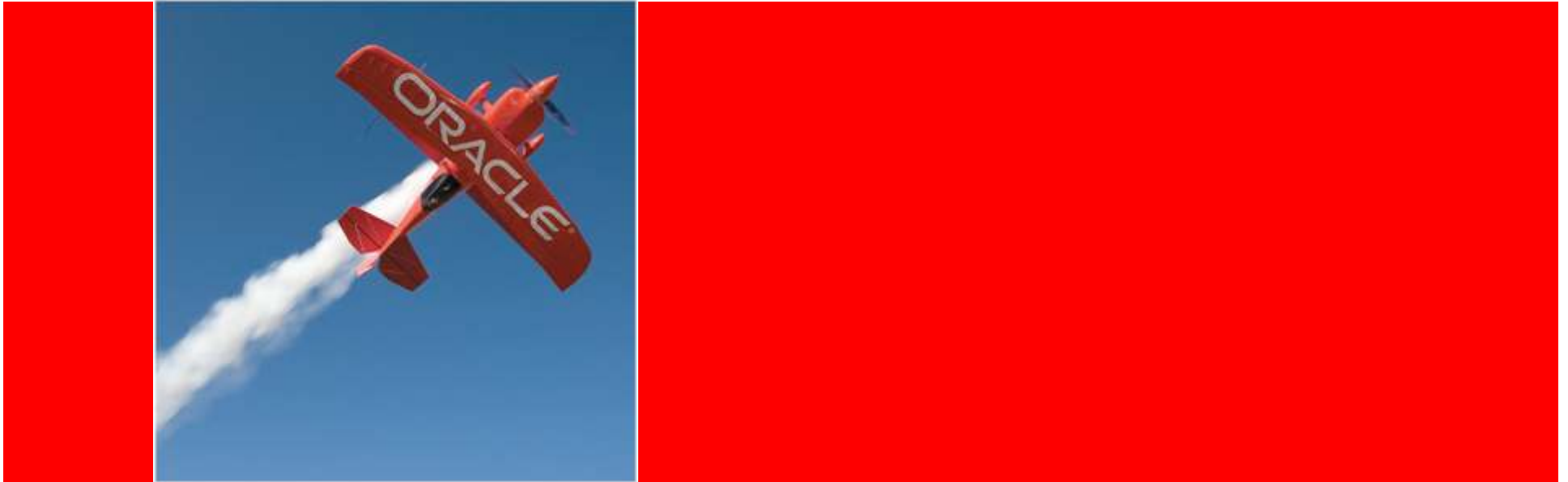




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Upravljanje konfiguracijom za Oracle E-Business Suite

Jasmina Banda
Senior Technical Specialist, Oracle Consulting

Agenda

- Why Configuration Management?
- EBS Best Practices
- Q&A



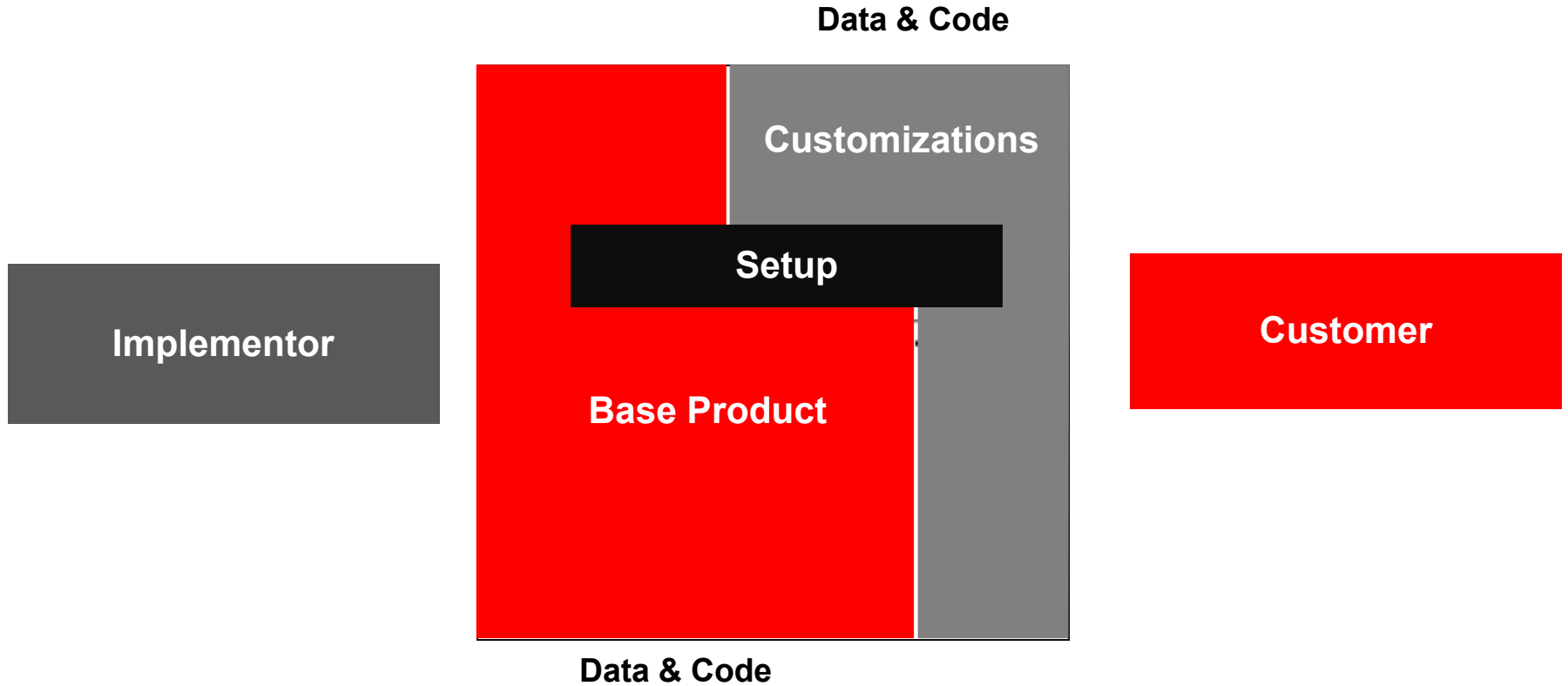


Product Software Configuration Management

- Software Configuration Management is not just version control.
 - It is about managing your configuration from birth to production (and beyond).
- Software Configuration Management is a philosophy to:
 - Manage and Track Versions and Releases of Custom Code and Data.
 - Implementation of a number of complementary software management practices to support the site.

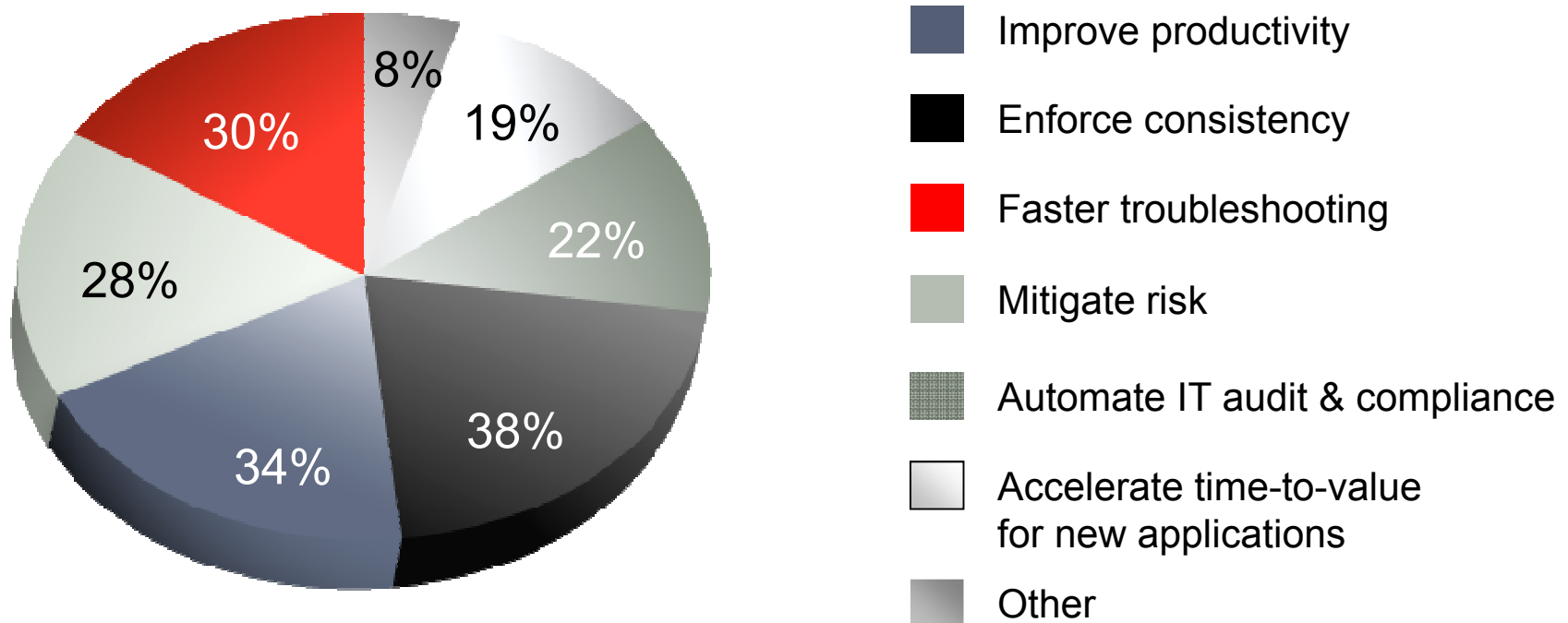


Software Implementation



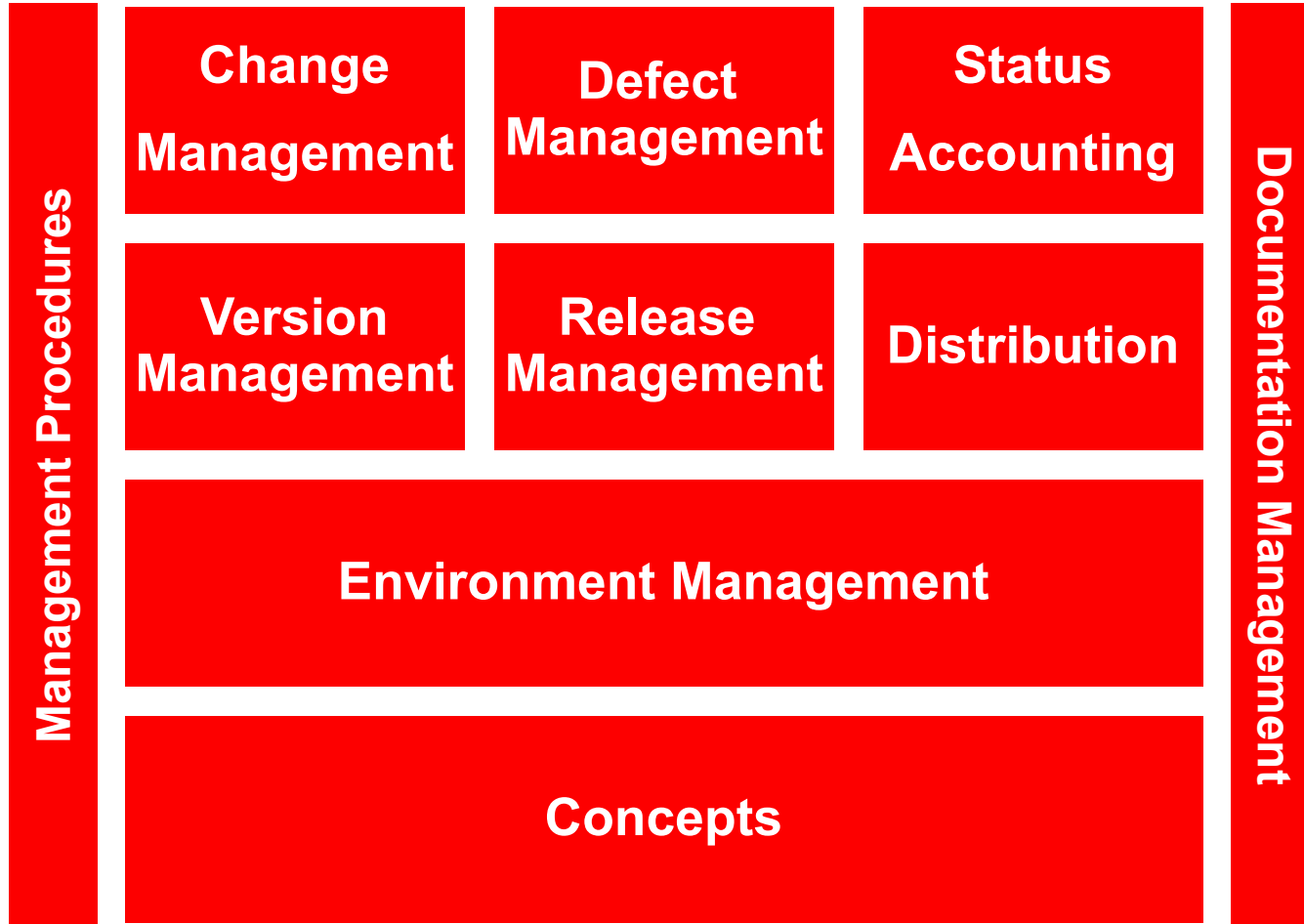
Why Invest in Configuration Management?

Question: What is driving your company's investment in tools to automate configuration and change and release management functions for its application infrastructure?



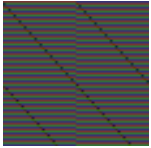
Source: Oracle Survey of Fortune 1000 Companies, 2008

Software Configuration Management Model

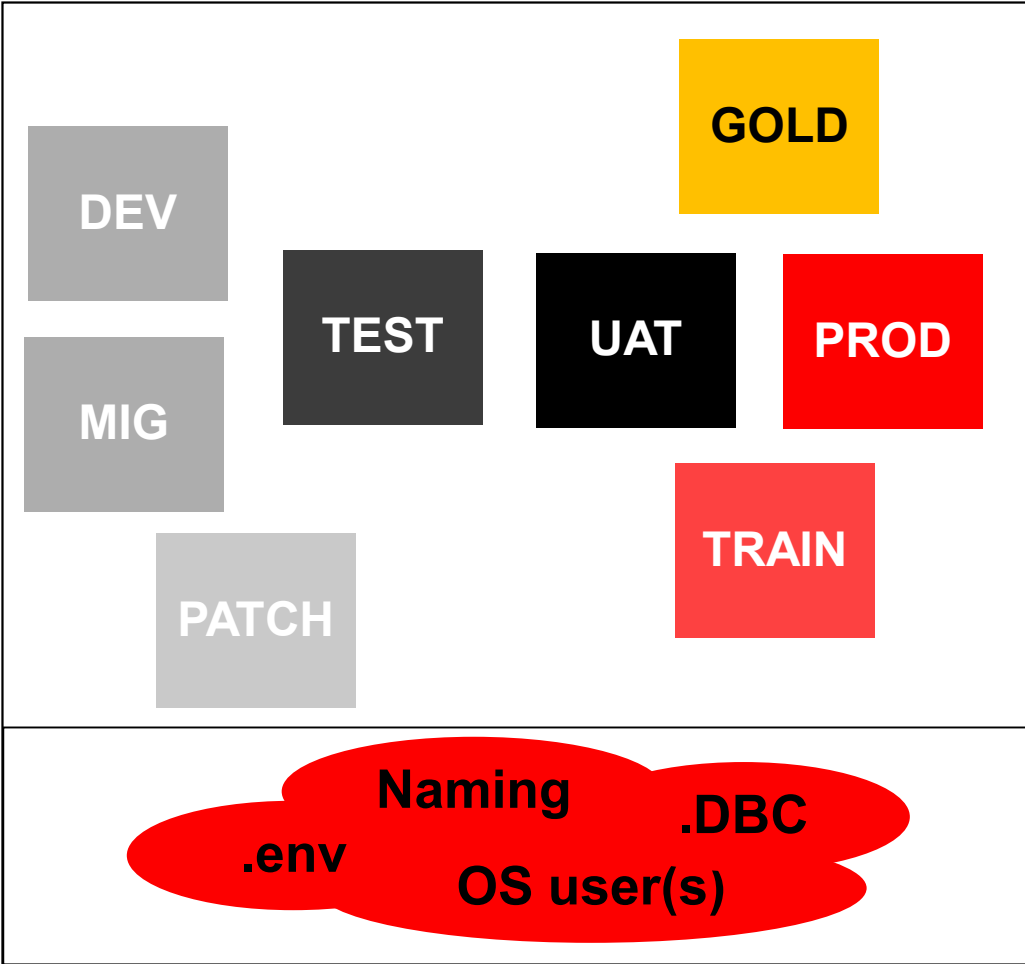


EBS Best Practices





Installation



System Administrator/DBA

~~APPS~~

READAPPS

~~SYSADMIN~~

XYZADMIN

ADSPLICE



Setup

Username

Functional Consultant

jasmina.banda@oracle.com

jbanda

jasminab

<other>

Setup

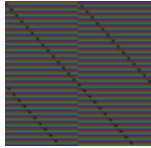
Naming Convention

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| Object Type | Name Format | User friendly name | Example |
|---------------------------|--|--|----------------------------------|
| Responsibilities | XXRR_CCCCC_RSP | “Functional Area - Descriptive name of the responsibility” | AR – Receivables manager |
| Lookups | XXRR_CCCCC_LKP | | |
| Menus | XXRR_CCCCC_MNU | “Functional Area - Descriptive name of the Menu” | AR – Receivables manager menu |
| Form Functions | XXRR_CCCCC_FNC | “Functional Area - Descriptive name of the Function” | AR – Transaction workbench |
| Concurrent Program | XXRR_CCCCC_PRG | “Functional Area - Descriptive name of Concurrent” | AR – Import of project invoices |
| Concurrent Executable | XXRR_CCCCC_EXE | | |
| Flexfields | XXRR_CCCCC_KFF / XXRR_CCCCC_DFF | | |
| Flexfield Segment | XXRR_CCCCC_SEG | | |
| Alerts | XXRR_CCCCC_ALT | | |
| Application user accounts | e-mail address | | |
| Request Group | XXRR_CCCCC_RGR | “Functional Area - Descriptive name of the Req Group” | AR – Default Receivables manager |
| Request sets | XXRR_CCCCC_RST | “Functional Area - Descriptive name of the Request set” | AR – Import of project invoices |
| Value Sets | XXRR_CCCCC_VST | | |
| Workflow | XXRRXXWF (8-char workflow convention) | | |
| Profile Options | XXRR_CCCCC_PRF | “Functional Area: Descriptive name of the profile option” | AR : Default status of receipts |
| Document Sequences | XXRR_CCCCC_SEQ | “Functional Area - Descriptive name of the document sequence*” | AP – Prepayments 2009 |

Register with Custom Application!

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Development

Identify customizations

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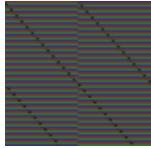
~~Payment Plan Report~~

17 Payment Plan Report

AP06 Payment Plan Report

CEMLI013 Payment Plan Report

FIN.AP.REP.02 Payment Plan Report



Development

DB Objects

Technical Consultant

| Object Type | Name Format | Explanation |
|--|-----------------|---|
| Table | XXRR_CCCCC | |
| Database trigger If possible, avoid using DB triggers. | XXRR_CCCCC_Tn | CCCCC = base table name (possibly shorter than the original) T = Trigger n: Unique number |
| Index | XXRR_CCCCC_In | n: Sequential number |
| View | XXRR_CCCCC_V | |
| Package | XXRR_CCCCC_PKG | All procedures require the same CEMLI should be packaged together |
| Sequence | XXRR_CCCCC_Sn | n = unique number |
| Standalone stored functions or procedures | - Not allowed - | This type of object is not common and should be replaced by a Package. |
| Type: Message Objects | XXRR_CCCCC_MSG | Types for Messages (OAI related) |
| Type: Wrapper | XXRR_CCCCC_WRP | Types for Wrappers (OAI related) |
| Type: Record Types | XXRR_CCCCC_REC | Types for Records |
| Type: Array Types | XXRR_CCCCC_ARR | Types for Collection / Arrays |

R12 Multi-Org

All custom data database objects (tables, indexes, sequences) must be created in one of the custom schemas and in the relevant table spaces. Any other database object/code (e.g. Views, Packages, Triggers) should be stored in APPS schema.

Development

OS files

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| Object Type | Name Format |
|---|---------------------------------|
| Database object creation script | XXRR_CCCCC.sql |
| Database trigger install script | XXRR_CCCCC_Tn.sql |
| Forms | XXRR_CCCCC.fmb /fmt /fmx |
| Forms and reports library | XXRR_CCCCC.pll /pld |
| Grant Script (for multi grant) | XXRR_CCCCC.gt |
| HTML file | XXRR_CCCCC.htm/html |
| Index creation script | XXRR_CCCCC_In.sql |
| Java Archives | XXRR_CCCCC.jar |
| JSP file | XXRR_CCCCC.jsp |
| PL/SQL script | XXRR_CCCCC.pls |
| package install script for specification (header) | XXRR_CCCCC_PKG.pks |
| package install script for body | XXRR_CCCCC_PKG.pkb |
| Reports | XXRR_CCCCC.rdf |
| Sequence Installation Script | XXRR_CCCCC_Sn.sql |
| Sql Script (Generally) | XXRR_CCCCC.sql |
| SQL*Loader control file | XXRR_CCCCC.ctl |
| Synonym Script | XXRR_CCCCC.syn |

| Object Type | Name Format |
|----------------------------|-----------------------------------|
| Workflow file | XXRR_CCCCC.wft |
| Unix Scripts | XXRR_CCCCC.ksh, .sh, .bash |
| Graphical files | XXRR_CCCCC.bmp/jpg/gif |
| Cascading stylesheets | XXRR_CCCCC.css |
| Document type definition | XXRR_CCCCC.dtd |
| JavaScript | XXRR_CCCCC.js |
| Java server pages | XXRR_CCCCC.jsp |
| Loader Control Text | XXRR_CCCCC.let |
| Loader Data Text | XXRR_CCCCC_TTT.ldt |
| Message file | XXRR_CCCCC.msb |
| XMLP Layout Template files | XXRR_CCCCC.rtf |
| XMLP Data Template | XXRR_CCCCC_DT.xml |
| XMLP Preview Data | XXRR_CCCCC_PD.xml |
| Extended markup language | XXRR_CCCCC.xml |
| MS Excel | XXRR_CCCCC.xls |
| Xml styleshet | XXRR_CCCCC.xsl |
| Text files | XXRR_CCCCC.txt |

Development

Directories

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| | |
|------------------------|---|
| admin | |
| admin/driver | Custom FNDLOAD driver files + CEMLI Packager driver files (automatically created) |
| admin /import | FNDLOAD control files, OAF project files (.jpr) |
| admin/import/SL | FNDLOAD Objects + Workflow (SL) |
| admin/import/US | FNDLOAD Objects + Workflow(US) |
| admin/sql | SQL Objects |
| forms | Forms Main Directory |
| forms/SL | Forms Directory for German (SL) |
| forms/US | Forms Directory for German (US) |
| help/SL | Help files (SL) |
| help/US | Help files(US) |
| media | Place here any file you need to distribute to \$OA_MEDIA directory. |
| mesg | Application Message Files |
| publisher/templates | XML Publisher Template Files (.xml) |
| publisher/templates/SL | XML Publisher Templates (.rtf) SL |
| publisher/templates/US | XML Publisher Templates (.rtf) US |
| reports | Reports main directory |
| reports /SL | Reports directory for Slovenian (SL) |
| reports /US | Reports directory for German (US) |
| resource | Custom.pld and any other pld file |
| <custom>/server/ | EO, VO, AM (.xml, .java) |
| <custom >/webui/ | PG, RN etc. (.xml) |



Development

Versioning

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Version Control System

Code versioning

- Documentation
- Code

- Version each file inside!

```
/* $ XXRR_CCCCC_PKG.pkb 1.0 2008/12/16 17:45:23 author ship $
=====+
File Name      : XXPO_CCCCC_PKG.pkb
Object        : XXPO_CCCCC_PKG
Description    : Package body for XX.XX.XXXX.RRRR Name of the customization
History       :
v1.0 dd.mm.yyyy. - Author: Initial Creation
=====+*/
```


Deployment

- Manually
- Installation scripts, Data Loader...
- Automatized:
 - iSetup
 - Custom solutions
 - Oracle AMP/ACP

System Administrator/DBA

Functional Consultant

Technical Consultant



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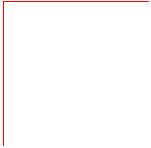
Additionally

- Define allowed tools
 - Oracle Reports are history – use BI Publisher.
- English is primary language, translations are optional.
- Do not change standard objects – copy them (when possible).



Questions and Answers





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