Oracle Enterprise Taxation and Policy Management

Optional Products Installation Guide

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Oracle Enterprise Taxation and Policy Management Optional Products Guide

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Contents

Preface

This guide provides instructions for installing and configuring optional products that can be used with Oracle Enterprise Taxation and Policy Management.

This preface contains these topics:

- **Audience**
- **Related Documents**
- **Conventions**

Audience

Oracle Enterprise Taxation and Policy Management Optional Products Installation Guide is intended for anyone who needs to install and configure optional products such as Oracle BI Publisher for Oracle Enterprise Taxation and Policy Management

Related Documents

For more information, see these Oracle documents:

- *Oracle Enterprise Taxation and Policy Management Quick Install Guide*
- *Oracle Enterprise Taxation and Policy Management Installation Guide*
- *Oracle Enterprise Taxation and Policy Management Database Administrator's Guide*

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Chapter 1

Overview

This chapter provides an overview of the optional products available for Oracle Enterprise Taxation and Policy Management, including:

• **Optional Products for Oracle Enterprise Taxation and Policy Management**

• **What is this book?**

Optional Products for Oracle Enterprise Taxation and Policy Management

This document discusses the following optional products that can be used with Oracle Enterprise Taxation and Policy Management

- Oracle BI Publisher

- Oracle Documaker

What is this book?

This book describes the installation and configuration of optional products for Oracle Enterprise Taxation and Policy Management, including the following:

- **Chapter 1: Overview** (this chapter) provides an overview of the optional products used with Oracle Enterprise Taxation and Policy Management.

- **Chapter 2: Reports Configuration** discusses the reporting features of the software that can be used by Oracle Enterprise Taxation and Policy Management. It covers Oracle BI Publisher.

- **Chapter 3: Additional Products** discusses other software products such as Oracle Documaker.

Chapter 2

Reports Configuration

This section describes the steps required to configure Oracle Enterprise Taxation and Policy Management and a reporting engine to support the Oracle Enterprise Taxation and Policy Management reporting solution using Business Objects Enterprise or Oracle BI Publisher. This section includes:

• **Reports Configuration for Oracle BI Publisher**

Reports Configuration for Oracle BI Publisher

This section describes the steps required to configure Oracle Enterprise Taxation and Policy Management and Oracle BI Publisher to support a reporting solution that uses Oracle BI Publisher.

Installing Oracle BI Publisher Enterprise

Oracle BI Publisher Enterprise™ provides the tools for:

- Making reports available over the web (establishing the required report server processes)

- Integrating reports with the Oracle Enterprise Taxation and Policy Management system

- Scheduling reports to run on a regular basis

- Managing instances of the reports that have been created by a previous run

- Managing user access to the report instances

This document assumes that you have already installed Oracle BI Publisher Enterprise such that requests can be pointed to the Oracle BI Publisher Enterprise running on Windows or Unix.

> Version Note: We used Oracle BI Publisher 10.1.3.3.2 Enterprise Edition to develop sample reports that are distributed with the Oracle Enterprise Taxation and Policy Management system. We used Oracle BI Publisher 10.1.3.3.2 on Windows and Unix server for running reports on the web and for testing the integration with Oracle Enterprise Taxation and Policy Management. The report layouts have been created using the BI Publisher Desktop 10.1.3.2. The sample reports and integration may not work with other Oracle BI Publisher Enterprise versions and products.

> In addition, the following database client software versions were used:

> Version Note: Images Do Not Generate Properly Without X Server in Unix version of BI Publisher. If you are running the BI Publisher server on a Linux or Unix machine that does not have an X Server installed reports that contain images may not be properly generated. Workaround: If you are running Java 1.4.2 or later, start the environment with a headless implementation. Specify the following property at the java command line:

> `-Djava.awt.headless=true`

> For JDK versions prior to 1.4.2 please see your documentation on how to implement X Host for your environment.

Configuring The System To Enable Reports

This section describes the steps needed to configure your system to enable reports.

Configure the System to Invoke Oracle BI Publisher Enterprise Real-time

In order to invoke Oracle BI Publisher Enterprise from within Oracle Enterprise Taxation and Policy Management, the system must be configured so that Oracle Enterprise Taxation and Policy Management knows how to invoke reports.

Specify Reporting Tool Options

The following information should be defined on Reporting Tool Options table:

- **Reporting Server** is the web server URL where the reporting tool is installed.

- **Reporting Folder** defines the name of the directory on the Oracle BI Publisher server where reports are located. The Oracle Enterprise Taxation and Policy Management reporting tool algorithm constructs the URL to open Oracle BI Publisher Enterprise based on the

information provided on Reporting Options. The same folder name should be used as a report folder in Oracle BI Publisher Enterprise where reports are published.

> Refer to the Reports chapter of the Oracle Enterprise Taxation and Policy Management user guide for more information about the reporting options table.

Reporting Tool Algorithm

The base product provides an installation algorithm plug-in spot called Reporting Tool. This plug-in spot should contain an algorithm that invokes the reporting tool real-time. Oracle Enterprise Taxation and Policy Management provides an algorithm type called F1-BIPR-INV, which invokes Oracle BI Publisher Enterprise.

This algorithm relies on information defined in the Reporting Options table: the reporting server and folder names for accessing the reporting tool. The algorithm constructs several strings, for example, the URL of the BI Publisher, information about the report being requested and user info in the format expected by Oracle BI Publisher Enterprise. The Java program returns the correct URL to the browser. The browser then opens a BI Publisher Enterprise window with the appropriate URL.

To use the F1-BIPR-INV algorithm type to invoke Oracle BI Publisher Enterprise, perform the following steps:

1. Create an algorithm for this algorithm type.

2. On the installation options, add an entry to the algorithm collection with an algorithm entity of Reporting Tool and indicate the algorithm created in the previous step.

Interface with Oracle BI Publisher Enterprise Batch Scheduler

Presently Oracle Enterprise Taxation and Policy Management does not provide support for batch jobs with Oracle BI Publisher. Please use Oracle BI Publisher directly in order to schedule reports to run in batch.

Sample Reports Supplied with the Product

The system provides several sample reports that may be used by your organization as a starting point for creating a new report. The following sections provide instructions on how to set up your implementation environment to use the sample reports.

> Refer to the Reports chapter of the Oracle Enterprise Taxation and Policy Management user guide for a description of each sample report.

How to Use a Sample Report Provided with the System

If you would like to use any of the sample reports, you need to perform some steps to be able to execute them in an implementation environment. This section walks you through the steps needed.

Oracle Functions and Packages

Each report has one or more corresponding database function, package that store the business logic to fetch the data from the database that is then presented in the report.

The prerequisite for Oracle Enterprise Taxation and Policy Management reports to work against the target database is setting up of a RPTUSER database user. This user should have read access to all Oracle Enterprise Taxation and Policy Management database objects and execution privilege on the stored procedures that the reports access.

The steps involved in setting up the RPTUSER are:

1. Create the RPTUSER.

To create the RPTUSER (it doesn't exist), navigate to the Database\Oracle folder and edit the file CDX_rptuser.sql to match your requirements. The parameters in this file that need review are: password of the user, default and temporary tablespace names for the user.

Now log into the target database as a DBA user using SQLPLUS and execute the script by entering following command at SQL prompt:

SQL> @CDX_rptuser.sql

("SQL>" denotes the SQL prompt and doesn't need to be typed).

2. Create or refresh the Oracle functions and packages.

Log into the target database as the user that owns Oracle Enterprise Taxation and Policy Management schema objects using SQLPLUS and execute the script CDX_rptfn.sql by entering the following command at the SQL prompt:

SQL> @CDX_rptfn.sql

3. Compile the invalid objects.

If you see an Oracle error while executing the step 2, execute the database object compilation script CDX_compfn.sql

SQL> @CDX_compfn.sql

4. Configure security.

This involves generating synonyms in RPTUSER and granting it privileges to execute the stored procedures and read the Oracle Enterprise Taxation and Policy Management tables. The utility prompts you to answer for the following questions:

- Enter the Oracle user that owns the schema (e.g. CISADM): **CISADM**

- Enter the password for the CISADM user: **CISADM**

- Enter the name of the Oracle Database: *Your_db*

- Enter a comma-separated list of Oracle users in which synonyms need to be created (e.g. cisuser,cisread): **RPTUSER**

The utility runs and configures security for the Oracle Enterprise Taxation and Policy Management objects.

Unzip Oracle Enterprise Taxation and Policy Management Report Files

Unzip the ETPM-V231-Reportss.zip file from the installation media into an empty directory. We'll refer to this directory as the reports extract folder.

Note: By default, the reports provided are read only. You will need to reset the permissions on the files before making any changes, for example, to configure the default data source.

Publish the Sample Reports in Oracle BI Publisher Enterprise

The installation media contains sample reports provided with the system. The report files are in the reports extract folder under ..\ETPM-V231-Reports\BIPublisher\reportFiles.

Install Oracle BI Publisher Enterprise. This section assumes that you have already installed Oracle BI Publisher Enterprise.

Note: If you install Oracle BI Publisher Enterprise in a location other than the default installation directory of C:\oracle\BI101332, adjust the path descriptions to match your actual install directories.

The first step you need to take in order to use any of the samples is to publish the report in Oracle BI Publisher Enterprise. You need to create a folder in Oracle BI Publisher Enterprise named as defined on Reporting Options table in Oracle Enterprise Taxation and Policy Management and publish there report extracted to the reports extract folder.

Create a folder named ETPM in the folder C:\oracle\BI101332\xmlp\XMLP\Reports. Copy all Oracle BI Publisher sample reports into the ETPM folder.

Please refer to the Oracle BI Publisher Enterprise documentation for more information.

Prepare Oracle BI Publisher Enterprise server for integration

The ETPM Reporting Options Table should include the following information about Reporting Server and Folder:

Reporting Folder: ETPM

Reporting Server: URL of reporting server. For example: http://sf-ugbu.splwg.com:9704

If you want to have a different name for your reporting folder, you can rename the **ETPM** folder on the server and put the corresponding value on the Reporting options table.

To configure the BI Publisher Server, follow these steps:

1. Login as "Administrator" to BI Publisher Server

2. Go to the **Admin** Tab

In the **JDBC Connection** section under **Data Sources**, add a new data source using **Add Data Source**. Create a new Data Source named ETPM with connection details pointing to the ETPM database. Test Connection to make sure the Database connection is successful and save changes using Apply.

To define a User for Integration with Oracle Enterprise Taxation and Policy Management:

1. Log in as Administrator and go to the **Admin** tab. Go to the **Users** section under **Security Center**. Create a new User using **Create User** button. Create a user rptuser and specify the password.

2. Go to the **Roles and Permissions** tab under **Security Center** and use **Create Role** to create a new role. Create a new role called ETPM Reports.

Once the role has been created, the role now appears in the Roles and Permissions tab.

For the Role Name ETPM Reports just created, click on **Add Folders** to add the ETPM sample reports to the Allowed Folders.

For Role Name ETPM Reports, click on **Add Data Sources** to add the ETPM data source to the Allowed Data Sources.

To include appropriate Roles for Role Name ETPM Reports, click on **Add Role**.

To verify Sample BI Publisher reports on Server:

1. Log in to Oracle BI Publisher Server as user rptuser.

2. Verify that all sample reports provided appear in the ETPM folder.

Define Company Title and Logo

The sample reports provided by the system expect the company title to be defined on the **Installation Options - Messages** page in Oracle Enterprise Taxation and Policy Management.

The Company Logo should be defined in a file named "company_logo.gif" and should be placed in the "C:\oracle\BI101332\oc4j_bi\j2ee\home\default-web-app\logo" folder on the server where Oracle BI Publisher Enterprise is installed.

Oracle Enterprise Taxation and Policy Management User ID and Report Code.

The Oracle Enterprise Taxation and Policy Management user id and report Code are defined as the required parameter in every sample report. These parameters are hidden when report is submitted from Oracle Enterprise Taxation and Policy Management, but must be defined in the report.

How To Copy A Report Definition From The Demonstration Database

In order to use one of the sample reports in your Oracle Enterprise Taxation and Policy Management region, you must define the meta-data for the report. The demonstration database contains the report definition and all its related data for each sample report.

Refer to the Reports chapter of the Oracle Enterprise Taxation and Policy Management user guide for instructions on how to copy any / all of the report definitions from the demonstration database to your implementation's database.

Adding Custom Layout to existing reports in BI Publisher

The layout of the sample reports have been created in Microsoft Word using BI Publisher Desktop 10.1.3.2 plug-in. Custom Layouts can be created in BI Publisher. The name of the Custom layout can be specified in the Report Definition: Customer Specific Font/Layout. BI Publisher will then use this custom layout when the report is invoked from Oracle Enterprise Taxation and Policy Management.

Chapter 3

Additional Products

This section discusses additional products that can be installed and configured for use with Oracle Enterprise Taxation and Policy Management, including:

- **On-line Document Display with Oracle Documaker**

On-line Document Display with Oracle Documaker

Oracle Documaker enables Adobe's Portable Document Format (PDF) to be used for on-line viewing and Internet delivery of on-line bills and other documents. This section describes how Oracle Enterprise Taxation and Policy Management can be integrated with Documaker to allow Bills, Letters, Statements, Field Orders and Quotes to be viewed online.

This facility requires the Documaker software to already be installed. Documaker can be purchased and licensed separately from Oracle E-Delivery (http://edelivery.oracle.com/).

Supported Documaker Versions

At the time of release the supported versions for Oracle Enterprise Taxation and Policy Management 2.3.1 are:

Windows: Documaker 11.4

Linux: Documaker 11.5

Supported Oracle Documaker Reports

The following Documaker online reports are supported for this release of ETPM:

• C1-BL-DISP - Creates a PDF of bill image by calling Documaker.

• C1-QT-DISP - Creates a PDF of quote image by calling Documaker.

• C1-LT-DISP - Creates a PDF of letter image by calling Documaker.

• C1-ST-DISP - Creates a PDF of statement image by calling Documaker.

• C1-FO-DISP - Creates a PDF of field order image by calling Documaker.

Installing and Integrating Documaker Templates with ETPM

Follow this process to integrate the supplied Documaker templates with your ETPM installation and to configure your system:

1. Login to the target server hosting the environment that you are setting up for online image display.

2. Initialize the target environment

   On Unix:

   ```
   $SPLEBASE/bin/splenviron.sh -e <SPLENVIRON>
   ```

   On Windows:

   ```
   %SPLEBASE%\bin\splenviron.cmd -e <SPLENVIRON>
   ```

3. Add an environment variable DOCHOSTDIR to the system. The value of DOCHOSTDIR should be set to the location where the Documaker is installed. Ensure that the environment variable DOCHOSTDIR is set correctly

4. Run the initialSetup utility for the environment to generate the Oracle Enterprise Taxation and Policy Management related Documaker INI files:

   On Unix:

   ```
   $SPLEBASE/bin/initialSetup.sh
   ```

   On Windows:

   ```
   %SPLEBASE%\bin\initialSetup.cmd
   ```

5. Stop and start the environment:

On Unix:

```
$SPLEBASE/bin/spl.sh stop/start
```

On Windows:

```
%SPLEBASE%\bin\spl.cmd stop/start
```

6. Copy the file ETPM-OSplatform.jar to a temporary folder on the target server (referred to hereafter as <TEMPDIR>. If you are using FTP to transfer this file to a UNIX server, remember to use the BINARY option for the FTP transfer.

7. Decompress the file:

```
cd <TEMPDIR>
jar -xvf ETPM-OSplatform.jar
```

ETPM folder will be extracted.

8. If one does not already exist, create a folder ETPM under the Documaker host directory <DOCHOSTDIR>. Copy the contents of the appropriate ETPM folder in the <TEMPDIR> to the ETPM directory Documaker host directory on the target application server (see the section Software Requirements in the Oracle Enterprise Taxation and Policy Management Installation Guide for installation location). It should be at the same level as FAP folder.

9. Ensure that the Oracle Enterprise Taxation and Policy Management Administrator user ID (typically cissys) has execute permissions to all files in the <DOCHOSTDIR>/FAP and <DOCHOSTDIR>/ETPM folders.

Sample Directory Structure

Directory	Contents
<DOCHOSTDIR>/FAP	Documaker Binaries
<DOCHOSTDIR>/ETPM	ETPM templates and driver programs
<DOCHOSTDIR>/ETPM/INPUT	ETPM sample extracts
<DOCHOSTDIR>/ETPM/DATA	ETPM example PDFs

Sample Generated Ini File

The following files will be populated during the execution of the initialSetup utility:

billfiledirectory.ini

```
ONLINE BILL HOST=<DOCHOSTDIR>
ONLINE BILL TEMPLATE=<DOCHOSTDIR>/ETPM
BILL EXTRACT PATH=<SPLOUTPUT>
BILL IMAGE PATH=<SPLEBASE>/splapp/billView/
BILL IMAGE SCRIPT=<DOCHOSTDIR>/ETPM/_etmPrint.sh
URL PREFIX=/spl/billView/
```

docfiledirectory.ini

```
ONLINE DOC HOST=<DOCHOSTDIR>
ONLINE DOC TEMPLATE=<DOCHOSTDIR>/ETPM/
DOC EXTRACT PATH=<SPLOUTPUT>
DOC IMAGE PATH=<SPLEBASE> /splapp/billView/
DOC IMAGE SCRIPT=<DOCHOSTDIR>ETPM/_etmPrintDoc.sh
```

```
URL PREFIX=/spl/billView/
```

Design Element - Documaker Integration

This design element describes using Oracle Documaker to display Bills, Letters, Statements, Field Orders and Quotes.

On-line Bill Display Components

The on-line bill display process requires the following components:

Plug-in Spot: Installation - Online Bill Display

The plug-in spot is used to generate a Bill Image.

Algorithm Type: Create PDF of bill image by calling Documaker (C1-BL-DISP) (New)

A new algorithm C1-BL-DISP (CIPBBLDX) will be created for on-line bill display using Documaker which is triggered when the Display Bill action button on the Bill Maintenance window is invoked. This algorithm is responsible for calling the bill extract program and passing the bill information flat file to the Bill Image Generator script to create a bill image in PDF format. The URL of this PDF file is then returned back to the client browser, which renders the bill image.

To make this program flexible, its configurable parameters are stored in an INI file. The full path of the INI file is defined by the BILLDISPINI environment variable.

This program utilizes the INI file to determine the target location for the bill extract program and the location of the bill image generator script (see below).

To activate this algorithm, within the application the following steps have to be executed by someone having access to the admin tables, that knows how to set-up and define algorithms. (See also the Business Process Guide on Algorithms)

1. Create an algorithm with the following values:

- Algorithm code: CM-BL-DISP

- Description: Online Bill Display

- Algorithm Type: C1-BL-DISP

- Parameter

- Bill Route Type

2. In Oracle Enterprise Taxation and Policy Management, navigate to the Installation Algorithm screen and add an Installation Algorithm with the following values (this will create a row on the CI_INSTALL_ALG table):

- INS_ALG_ENTITY_FLG : ONBD

- SEQ_NUM : 1

- ALG_CD : CM-BL-DISP

- VERSION : 1

Bill Image Generator Script

The Bill Image Generator script _etmPrint.sh or _etmPrint.cmd is invoked by the bill print extract algorithm. The call parameters are based on the contents of the billfiledirectory.ini file identified through the BILLDISPINI environment variable. This script validates the input parameters passed to it, sets the environment variables for input file, output file and log file and calls the main driver BillRun.sh /BillRun.cmd. The driver file will in turn call the Oracle Documaker scripts. The output from this process as well as the PDF file are placed in the appropriate directory from the

billfiledirectory.ini file where it can be picked up by the application and displayed in the user's browser (usually $SPLEBASE/splapp/billView or %SPLEBASE%\splapp\billView folder).

The path for the input and output files is specified in the fsisys.ini file and Documaker reads the INI file option values in lower case. There will be an error in UNIX if the path for the input/output files has directory/file names not in lower case. To avoid this error, the input file will be copied to an intermediate file with the input file name in lower case in documaker/11.4/ETPM/data folder and the output file from the same data folder will be copied to the original output directory specified in the billfiledirectory.ini file.

BILLDISPINI environment variable

The full path location of the billfiledirectory.ini is contained in the BILLDISPINI environment variable (typically <SPLEBASE>/etc directory).

The billfiledirectory.ini File

The billfiledirectory.ini file is used by the Bill Print Algorithm to render the bill image.

The INI file contains the following externalized parameters:

- ONLINE BILL HOST=<Oracle Documaker Host Path> - This parameter defines where Oracle Documaker is installed. Value typically <DOCHOSTDIR> (note that FAP will be a subfolder)

- ONLINE BILL TEMPLATE=<Oracle Documaker Template Path> - This parameter defines the location of Oracle Documaker's template. Value typically <DOCHOSTDIR>/ETPM

- BILL EXTRACT PATH=<Bill Extract Output Path> - This parameter defines the location where the bill print extract program creates its flat file output. Value Typically <SPLOUTPUT>

- BILL IMAGE PATH=<Full PDF Path> - This parameter defines the location where Documaker creates the bill image PDF file. Value is typically <SPLEBASE>/splapp/billView. The Documaker log files for a specific report is also in this directory.

- BILL IMAGE SCRIPT= <Bill Image Generator Script with full path> - This parameter defines the location of the script that invokes Oracle Documaker to generate the PDF file from the extract file. <DOCHOSTDIR>/ETPM/_etmPrint.sh or _etmPrint.cmd

- URL PREFIX=<URL Prefix> - This parameter defines the prefix that will be affixed to the PDF filename in order to compose its full URL when displayed. This value dependant on the application middleware (WebLogic, WebSphere, Tomcat)

On-line Quote Display Components

Plug-in Spot: Installation - Online Quote Display

The plug-in spot is used to generate a Quote Image.

Algorithm Type: Create PDF of Quote image by calling Documaker (C1-QT-DISP) (New)

A new algorithm C1-QT-DISP (CIPCQTDX) will be created for on-line quote display using Documaker which is triggered when the Display Quote action button on the Quote Maintenance window is invoked. This algorithm is responsible for calling the quote extract program and passing the quote information flat file to the Document Image Generator script to create a quote image in PDF format. The URL of this PDF file is then returned back to the client browser, which renders the quote image.

To make this program flexible, its configurable parameters are stored in an INI file. The full path of the INI file is defined by the DOCDISPINI environment variable.

This program utilizes the INI file to determine the target location for the quote extract program and the location of the document image generator script (see below).

To activate this, a new algorithm of this type should be created and should be plugged from the Installation Options.

Document Image Generator Script

The Document Image Generator script _etmPrintDoc.sh or _etmPrintDoc.cmd is invoked by the various document extract algorithms. The call parameters are based on the contents of the docfiledirectory.ini file identified through the DOCDISPINI environment variable. This script validates the input parameters passed to it, sets the environment variables for input file, output file and log file and calls the main driver depending on the document type. The driver file will in turn call the Oracle Documaker scripts. The output from this process as well as the PDF file are placed in the appropriate directory from the docfiledirectory.ini file where it can be picked up by the application and displayed in the user's browser (usually $SPLEBASE/splapp/billView or %SPLEBASE%\splapp\billView folder).

The path for the input and output files is specified in the fsisys.ini file and Documaker reads the INI file option values in lower case. There will be an error in UNIX if the path for the input/output files has directory/file names not in lower case. To avoid this error, the input file will be copied to an intermediate file with the input file name in lower case in documaker/11.4/ETPM/data folder and the output file from the same data folder will be copied to the original output directory specified in the docfiledirectory.ini file.

DOCDISPINI environment variable

The full path location of the docfiledirectory.ini is contained in the DOCDISPINI environment variable (typically <SPLEBASE>/etc directory).

The docfiledirectory.ini File

The docfiledirectory.ini file is used by the various Document Print Algorithms to render the document image.

The INI file contains the following externalized parameters:

- ONLINE DOC HOST=<Oracle Documaker Host Path> - This parameter defines where Oracle Documaker is installed. Value typically <DOCHOSTDIR> (note that FAP will be a subfolder)

- ONLINE DOC TEMPLATE=<Oracle Documaker Template Path> - This parameter defines the location of Oracle Documaker's template. Value typically <DOCHOSTDIR>/ETPM

- DOC EXTRACT PATH=<Document Extract Output Path> - This parameter defines the location where the various document print extract programs create their flat file output. Value Typically <SPLOUTPUT>

- DOC IMAGE PATH=<Full PDF Path> - This parameter defines the location where Documaker creates the document image PDF file. Value typically <SPLEBASE>/splapp/billView The Documaker log files for a specific report is also in this directory.

- DOC IMAGE SCRIPT= <Document Image Generator Script with full path> - This parameter defines the location of the script that invokes Oracle Documaker to generate the PDF file from the extract file. <DOCHOSTDIR>/ETPM/_etmPrintDoc.sh or _etmPrintDoc.cmd

- URL PREFIX=<URL Prefix> - This parameter defines the prefix that will be affixed to the PDF filename in order to compose its full URL when displayed. This value dependant on the application middleware (WebLogic, WebSphere, Tomcat)

On-line Letter Display Components

Plug-in Spot: Installation - Online Letter Image

The plug-in spot is used to generate a Letter Image.

Algorithm Type: Create PDF of Letter image by calling Documaker (C1-LT-DISP) (New)

A new algorithm C1-LT-DISP (CIPCLTDX) will be created for on-line letter display using Documaker which is triggered when the Display Letter action button on the Customer Contact Maintenance window is invoked. This algorithm is responsible for calling the letter extract program and passing the letter information flat file to the Document Image Generator script to create a letter image in PDF format. The URL of this PDF file is then returned back to the client browser, which renders the letter image.

To make this program flexible, its configurable parameters are stored in an INI file. The full path of the INI file is defined by the DOCDISPINI environment variable.

This program utilizes the INI file to determine the target location for the letter extract program and the location of the document image generator script.

To activate this, a new algorithm of this type should be created and should be plugged from the Installation Options.

On-line Plug-in Spot: Installation - Online Letter Image

The plug-in spot is used to generate a Letter Image.

Algorithm Type: Create PDF of Letter image by calling Documaker (C1-LT-DISP) (New)

A new algorithm C1-LT-DISP (CIPCLTDX) will be created for on-line letter display using Documaker which is triggered when the Display Letter action button on the Customer Contact Maintenance window is invoked. This algorithm is responsible for calling the letter extract program and passing the letter information flat file to the Document Image Generator script to create a letter image in PDF format. The URL of this PDF file is then returned back to the client browser, which renders the letter image.

To make this program flexible, its configurable parameters are stored in an INI file. The full path of the INI file is defined by the DOCDISPINI environment variable.

This program utilizes the INI file to determine the target location for the letter extract program and the location of the document image generator script.

To activate this, a new algorithm of this type should be created and should be plugged from the Installation Options.

Statement Display Components

Plug-in Spot: Installation - Online Statement Image

The plug-in spot is used to generate a Statement Image.

Algorithm Type: Create PDF of Statement image by calling Documaker (C1-ST-DISP) (New)

A new algorithm C1-ST-DISP (CIPBSTDX) will be created for on-line Statement display using Documaker which is triggered when the Display Statement action button on the Statement Maintenance window is invoked. This algorithm is responsible for calling the Statement extract program and passing the Statement information flat file to the Document Image Generator script to create a Statement image in PDF format. The URL of this PDF file is then returned back to the client browser, which renders the Statement image.

To make this program flexible, its configurable parameters are stored in an INI file. The full path of the INI file is defined by the DOCDISPINI environment variable.

This program utilizes the INI file to determine the target location for the Statement extract program and the location of the document image generator script.

To activate this, a new algorithm of this type should be created and should be plugged from the Installation Options.

On-line Field Order Display Components

Plug-in Spot: Installation - Online Field Order Image

The plug-in spot is used to generate a Field Order Image.

Algorithm Type: Create PDF of Field Order image by calling Documaker (C1-FO-DISP) (New)

A new algorithm C1-FO-DISP (CIPOFODX) will be created for on-line Field Order display using Documaker which is triggered when the Display Field Order action button on the Field Order Maintenance window is invoked. This algorithm is responsible for calling the Field Order extract program and passing the Field Order information flat file to the Document Image Generator script to create a Field Order image in PDF format. The URL of this PDF file is then returned back to the client browser, which renders the Field Order image.

To make this program flexible, its configurable parameters are stored in an INI file. The full path of the INI file is defined by the DOCDISPINI environment variable.

This program utilizes the INI file to determine the target location for the Field Order extract program and the location of the document image generator script.

To activate this, a new algorithm of this type should be created and should be plugged from the Installation Options.

Examples provided

Examples to test the installation, infrastructure are provided in the following directory:

/ETPM/input/examples

Review the sample scripts samplebill.sh/.cmd to generate an online bill without the GUI and sampleletr.sh/.cmd for online letters.

The generated PDF file will be created in .../ETPM/data folder. The output from the Oracle Documaker generation process will also be copied to this directory.

Appendix A

License and Copyright Notices

License and Copyright notices for associated products:

Third Party Products

Notice concerning usage of ANTLR and Classycle

[The BSD License]

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Notice concerning usage of DBI Perl Module

DBI by Tim Bunce. This pod text by Tim Bunce, J. Douglas Dunlop,

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