ORACLE

Oracle® Documaker

Integration with Oracle Banking Platform

Installation and Configuration Guide

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Preface

This document contains information necessary for the installation and configuration of integration components to create a complete solution using Oracle Banking Platform (OBP) and Oracle Documaker.

Audience

This document is intended for users who have installed Oracle Banking Platform and Oracle Documaker Enterprise Edition and who need to integrate the two products.

Familiarity with Oracle Documaker components is recommended. Please see the Oracle Documaker Administrators Guide, particularly the Using Documaker Web Services chapter for a deeper understanding of integration components.

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CONVENTIONS

The following text conventions are used in this document:

Convention	Description
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands, URLs, code in examples, and information you enter.

Tips, Notes, and Warnings

a. Tip provides a better way to use the software.

b. Note contains special information and reminders.

c. Warning contains critical information that if ignored, may cause errors or result in the loss of information.

OVERVIEW

This document describes how to install and configure the needed components of Oracle Documaker Enterprise Edition for integration with the Oracle Banking Platform (OBP).

This chapter includes the following topics:

- *Overview* on page 6
- *Product Overview* on page 7
- *Integration Component Overview* on page 8

Reference	Description
OBP Installation Guide	This document provides instructions for installing and configuring Oracle Banking Platform.
Oracle Documaker System Requirements	This document describes the system's hardware and software requirements for the various applications that comprise Oracle Documaker.
Oracle Documaker Enterprise Edition Installation Guide	This manual provides instructions for installing Oracle Documaker Enterprise Edition.
Oracle Documaker Enterprise Edition Administrator's Guide	This manual provides in depth details regarding the use and configuration of the Oracle Documaker components.

Product Overview

Documents are an integral part of banking transactions. For example, there are multiple documents for a loan - the loan application, supporting documents, credit approval(s), the loan disbursal, loan payment schedule, etc. These documents provide important information to both the bank and the banks' customer.

The integration of Oracle Banking Platform (OBP) and Oracle Documaker enables documentation automation for Oracle Banking Platform customers.

Pre-Requisites

This guide assumes that you have reviewed the Oracle Documaker Enterprise Edition Installation Guide and that you are familiar with the files and directory structure as outlined in that guide. If you have any questions, please contact Oracle Support with the information listed in the back of this document.

This guide details the process to configure the OBP to Oracle Documaker integration package. It is assumed that there is an existing OBP and Oracle IPM server available to validate integration. It also assumes you have installed an Oracle Documaker Enterprise system.

Integration Component Overview

Oracle Documaker Enterprise Edition (ODEE) is a standalone application developed for Electronic Document Automation. Integration of ODEE with Oracle OBP is completed by web service communication methods supported by both OBP and Oracle Documaker.

The Documaker Enterprise Edition installation comes with a sample set of insurance forms for installation validation and system demonstration. The OBP-Documaker Integration pack provides targeted sample banking form resources, called “Model Bank” forms that replace the sample insurance forms provided with the ODEE installation. The integration pack also provides additional components used to support the archive and distribution capabilities of the complete OBP-Documaker solution.This integration pack contains:

Resource	Description
dmres\deflib	master.lby, master.mdx, and master.dbf files for uploading into resource library tables. Contains the sample document templates for Model Bank. Updated afgjob and .dfd files for reference.
dmres\input	Sample extract file to validate the Oracle Banking Platform (OBP) and Oracle Documaker Enterprise Edition (ODEE) integration.
dmres	Fsisys.ini - updated for reference.
templates	obpemailtemplate.txt and printcontroltemplate.xml used by distribution components to format output destination specific content.

Download the integration pack from Oracle Technology Network (OTN). Once the integration pack is downloaded, unzip the downloaded integration zip file into a temporary source directory.

Installing Oracle Documaker Enterprise Edition Integration Extensions

This chapter describes how to install and configure the needed components of Oracle Documaker Enterprise Edition for integration with Oracle Banking Platform (OBP).

This chapter includes the following topics:

- *Update Enterprise Edition Environment on page 9*
- *Resource Configuration on page 24*
- *Web Application Configuration on page 28*
- *Validating Documaker Mobile Installation on page 31*

UPDATE ENTERPRISE EDITION ENVIRONMENT

Use the steps below to update and configure the Oracle Documaker Enterprise Edition environment to support integration with Oracle Banking Platform.

Step A: Update Directories and Core Files

1. Stop both the Oracle Documaker Document Factory Service (ODDF Service) and Docupresentment service.
2. Copy the distribution template files *obpemailtemplate.txt* and *printcontroltemplate.xml* from the temporary source directory that contains the unzipped integration pack files into the Documaker directory.
3. Create the following integration point directories in the *documaker\mstrres\dmres* directory:
   a. post
   b. results-archive
   c. scratch

Step B: Configure Integration Components

Note	As you enter options within the Documaker Administrator, you can use the UserTag or Comment field to track the updates. This will allow you to query by a consistent value on this field to quickly summarize changes. Access these columns in the Administrator by selecting View; Columns in the properties sub-tab.

1. Update the transaction identification components using the Documaker Administrator web application.
   a. Login to Oracle Documaker Administrator web application using the URL and credentials established during Oracle Documaker Enterprise Edition installation.
   b. Click System.
   c. Expand the Assembly Line, default name is Assembly Line 1.
   d. Highlight the Receiver and click Configure.
   e. On the Receiver configuration tab, click FileReceiver Context, FileReceiver Group and set the following properties.

Property	Value	Active
TextDelimiter		Unchecked
XMLDelimiter		Unchecked
XMLTagDelimiter	Recipient	Checked

   f. Click Save.
   g. Navigate to the Systems Overview tab.
   h. Highlight the Identifier and click Configure.
   i. On the Identifier configuration tab, click Identifier Context, Identifier Group and set the following properties:
   j. Click Save.

Property	Value	Active
TextDelimiter		Unchecked
XMLDelimeter		Unchecked
XMLTagDelimiter	Recipient	Checked

Step C: Configure Archive and Distribution Integration Components

1. Navigate to the Systems Overview tab.
2. Highlight the Archiver and click Configure.
3. Create a new Context to support bursting the PUBS row print stream into individual PDF form files for archiving and distribution.

Note	• All properties added in the Archive configuration are required unless otherwise noted as optional • Use these same steps for the remaining Context additions below.

   a. Click on the green + to Create Context.

b. Enter the Context Name, Category, Group Name, Property and Value as listed in the first row of the table below. Leave Active as checked.

Note	Enter the Context Name **LISTENER** in capital letters.

Context Name	Category	Group Name	Property	Value
LISTENER	OBPPDFBurster	Configuration	phase.name	oracle.documaker.ecmconnector.ngpcomponents.NGPPDFBurster
LISTENER	OBPPDFBurster	Configuration	phaselistener.pdfburster.require.form.index	True
LISTENER	OBPPDFBurster	Configuration	phaselistener.pdfburster.burst.identifier	**Description**: Allows the PDFBurster to burst documents based on any of the form's attributes provided as metadata in the PDF, such as DocID, rather than just on the form identifier. **Note**: Forms without a metadata value or a blank metadata value will be burst based on the form identifier.
LISTENER	OBPPDFBurster	Configuration	phaselistener.pdfburster.print.identifier	**Description**: Allows you to specify a new PDFBurster property, "phaselistener.pdfburster.print.identifier", in ODEE's Documaker Administrator. The value of this new property should be set to a user-defined form metadata name, such as Zipped. During PDFBurster processing of a form, if it finds a form metadata name that matches the name specified in this new property, and if the value associated with that form metadata name is "Y", the form is kept. If the value associated with the form metadata name is "N", the form is not kept. If no form metadata with the specified name is found, the form is kept.

c. To enable burst PDF merge, enter following configuration. (Optional)

Context Name	Category	Group Name	Property	Value
LISTENER	OBPPDFBurster	Configuration	phaselistener.pdfstitcher.name	oracle.documaker.ecmconnector.pdfstitcher.IPMPDFStitcher
LISTENER	OBPPDFBurster	Configuration	phaselistener.pdfstitcher.connection.url	As per your environment, configure IPM URL, for Example: "http://ip-address:port/imaging/ws/"
LISTENER	OBPPDFBurster	Configuration	phaselistener.pdfstitcher.connection.username	IPM Username, As per your environment

Context Name	Category	Group Name	Property	Value
LISTENER	OBPPDFBurster	Configuration	phaselistener.pdfstitcher.connection.password	IPM Username, As per your environment

Note	• Keep in mind, Oracle Documaker does not validate extract file content. • Refer to the topic *Burst PDF Merge* on page 29 for more details.

4. Create a new Context to support collecting and storing the feedback information for OBP to be notified of the results of generation (archive).

Context Name	Category	Group Name	Property	Value
LISTENER	OBPResults Writer	Configuration	phase.name	oracle.documaker.ecmconnector.ngpcomponents.archiveresults.NGPResultsWriter
LISTENER	OBPResults Writer	Configuration	phaselistener.ngpresultswriter.base.directory	*c:\oracle\odee_1\documaker\mstrres\dmres\results-archive* Where this value is dynamic based on your installation location
LISTENER	OBPResults Writer	Configuration	phaselistener.ngpresultswriter.ngpsubmit.type	ARCHIVE

5. Create a new Context to support collecting and storing the feedback information for OBP to be notified of the results of dispatch (post or email).

Context Name	Category	Group Name	Property	Value
LISTENER	OBPDispatchResultsWriter	Configuration	phase.name	oracle.documaker.ecmconnector.ngpcomponents.archiveresults.NGPResultsWriter
LISTENER	OBPDispatchResultsWriter	Configuration	phaselistener.ngpresultswriter.base.directory	*c:\oracle\odee_1\documaker\mstrres\dmres\results-archive* Where this value is dynamic based on your installation location
LISTENER	OBPDispatchResultsWriter	Configuration	phaselistener.ngpresultswriter.ngpsubmit.type	DISTRIBUTION

6. Create a new Context configure the output Post destination used for output batches whose output is bursted, and zipped along with a print control file. This output will then be independently sent to or picked up by a print vendor. This destination, OBP_Post can be customized to meet the needs of the particular print vendor used.

Context Name	Category	Group Name	Property	Value
DESTINATION	OBP_Post	Configuration	destination.name	oracle.documaker.ecmconnector.ngpcomponents.NGPPrintDestination
DESTINATION	OBP_Post	Configuration	destination.ngp.scratch.directory	*c:\oracle\odee_1\documaker\mstrres\dmres\scratch* Where the value is dynamic based on your installation location
DESTINATION	OBP_Post	Configuration	destination.ngpprint.base.directory	c:\oracle\odee_1\documaker\mstrres\dmres\post
DESTINATION	OBP_Post	Configuration	destination.ngpprint.pcf.template.file	c:\oracle\odee_1\documaker\printcontroltemplate.xml
DESTINATION	OBP_Post	Configuration	phaselistener	OBPPDFBurster
DESTINATION	OBP_Post	Configuration	phaselistener	OBPDispatchResultsWriter

Context Name	Category	Group Name	Property	Value

DESTINATION	OBP_Post	Configuration	destination.ngp.file.pattern	**(Optional)**
				`(${BCHS.BCH_ID}${FORMNAME}`
				`${GUID}`
				`${INDEXNO} ${DocID})`
				Description: Naming convention for the bursted PDF file can be a combination of ; static text, column values, and freemarker templating formats. The format to pull from a column: ${BCHS.BCH_ID} to use the Batch ID and this also supports other dmkr_asline table column values.
				Form Name, use the convention:
				${FORMNAME}
				For GUID, use the convention:
				${GUID}
				For Index Number, use the convention:
				${INDEXNO}
				User Attributes, use the convention:
				${UserAttribute}
				In other words, The user attribute should exactly match the same as defined in Studio. For example, to use the DocID as part of the PDF file name use theconvention:
				${DocID}

DESTINATION	OBP_Post	Configuration	destination.ngp.pcffile.pattern	**(Optional)** `(<FormName>${AFORM.formName}</FormName>, <FileName>${AFORM.fileName}</FileName>)` **Description:** Naming convention for the print control file can be a combination of static text, column values, and freemarker templating formats Note: In the print control file template, use the following to get the form name or the file name as needed to reference the PDF: For a complete list of AFORM. keywords that can be used, see note below.

Context Name	Category	Group Name	Property	Value
DESTINATION	OBP_Post	Configuration	destination.ngpprint.zipfile.pattern	**(Optional)** `${BCHS.BCH_ID}` **Description:** Naming convention for the zip file that includes the bursted PDF files and the print control file. Can be a combination of static text, column values, and reemarker templating formats. ${BCHS.BCH_ID}
DESTINATION	OBP_Post	Configuration	destination.mroprint.zipfile.pattern	**(Mandatory)** `MRO zip file name` **Description:** This property is used to provide the zip file name.
DESTINATION	OBP_Post	Configuration	destination.mroprint.base.directory	`c:\oracle\odee_1\documaker\mstrres\dmres\mropost`
DESTINATION	OBP_Post	Configuration	phaselistener	`MROBurster`

Note: AFORM is a collection of the form elements available for reference. The content object and form element are available with the prefix AFORM. are as follows:

- formname
- pullform
- nonStandardPack
- sheetNumOf
- orientation
- paperSize
- paperStockId
- tray
- userAttributes
- filename

7. Create a new Group within the Destination – OBP_Post Context to set any default or mapped data that should be sent into the destination processing. This default and mapped data can be used at any point in the destination's processing – for example, if the destination archive's to IPM and certain values are needed for indexing, or in the case of the OBP_Post destination, the Default and Mappings are used to capture data for the print control file.

   To create a new Group, follow these Steps:

- Highlight the Category for which you want to add a new Group and click + Create Group.
- Enter the Group Name, Property and Value as shown in the first row below.
- Click on the + to Create new property and enter the Property and Value for the remaining properties listed in the table.

Group Name	Property	Value
Defaults	default	

Group Name	Property	Value	Purpose
Mappings	documentSet.recipient.context.bankName	{TRNS.KEY1}	Used for OBP Update results
	updateDocument.sessionContext.bankCode	{TRNS.KEY1}	Used for OBP Update results
	updateDocument.sessionContext.transactionBranch	{TRNS.TRNCUSSTR003}	Used for OBP Update results
	updateDocument.sessionContext.userId	{TRNS.CURRUSER}	Used for OBP Update results
	updateDocument.outboundDocumentListDTO.documentListRecordDTOs.documentDTO.jobId	{JOBS.JOB_ID}	Used for OBP Update results
	updateDocument.outboundDocumentListDTO.documentListRecordDTOs.documentDTO.recipId	{RCPS.RCP_ID}	Used for OBP Update results
	updateDocument.outboundDocumentListDTO.documentListRecordDTOs.documentDTO.setId	{TRNS.TRN_ID}	Used for OBP Update results
	BCHS.BCH_ID	{BCHS.BCH_ID}	Used for print control file creation – available variables for template to reference
	BCHS.BCHSTARTTIME	{BCHS.BCHSTARTTIME}	Used for print control file creation – available variables for template to reference
	BCHS.BCHSHEETCOUNT	{BCHS.BCHSHEETCOUNT}	Used for print control file creation – available variables for template to reference
	BCHS.BCHRCPCOUNT	{BCHS.BCHRCPCOUNT}	Used for print control file creation – available variables for template to reference

Group Name	Property	Value	Purpose
	BCHS.BCHPRTTYPE	{BCHS.BCHPRTTYPE}	Used for print control file creation – available variables for template to reference
	TRNS.KEY2	{TRNS.KEY2}	Used for print control file creation – available variables for template to reference
	RCPS.ADR_POSTALCODE	{RCPS.ADR_POSTALCODE}	Used for print control file creation – available variables for template to reference
	RCPS.ADR_COUNTRY	{RCPS.ADR_COUNTRY}	Used for print control file creation – available variables for template to reference
	RCPS.ADR_NAME	{RCPS.ADR_NAME}	Used for print control file creation – available variables for template to reference
	RCPS.ADR_CITY	{RCPS.ADR_CITY}	Used for print control file creation – available variables for template to reference
	RCPS.ADR_ADDRESS1	{RCPS.ADR_ADDRESS1}	Used for print control file creation – available variables for template to reference
	RCPS.ADR_ADDRESS2	{RCPS.ADR_ADDRESS2}	Used for print control file creation – available variables for template to reference
	RCPS.ADR_STATE	{RCPS.ADR_STATE}	Used for print control file creation – available variables for template to reference
	BCHS.BCHMIMETYPE	{BCHS.BCHMIMETYPE}	Used to differentiate the MRO types, whether it is json,xml or html

8. Create a new Context and configure the output E-mail destination used for output batches who's output is bursted, zipped, and emailed to the Receiving Party. The E-mail subject and message body are configured and use the Defaults and Mappings values as the source for variable data per implementation and batch, respectively.

Context Name	Category	Group Name	Property	Value
DESTINATION	OBP_Email	Configuration	destination.name	oracle.documaker.ecmconnector.ngpcomponents.NGPEmailDestination

Context Name	Category	Group Name	Property	Value
DESTINATION	OBP_Email	Configuration	destination.ngp.scratch.directory	*c:\oracle\odee_1\documaker\mstrres\dmres\scratch*
DESTINATION	OBP_Email	Configuration	destination.ngpemail.from.address	admin@docfactory.com
DESTINATION	OBP_Email	Configuration	destination.ngpemail.mail.host	internal-mail-router.oracle.com
DESTINATION	OBP_Email	Configuration	destination.ngpemail.message.template.file	*c:\oracle\odee_1\documaker\OBPemailtemplate.txt*
DESTINATION	OBP_Email	Configuration	destination.ngpemail.subject.text	${documentSet.recipient.context.bankName}:${FORMNAMELIST}
DESTINATION	OBP_Email	Configuration	destination.ngpprint.base.directory	where the value is dynamic based on your installation location. c:\oracle\odee_1\documaker\mstrres\dmres\post
DESTINATION	OBP_Email	Configuration	phaselistener	OBPDispatchResultsWriter
DESTINATION	OBP_Email	Configuration	phaselistener	OBPPDFBurster
DESTINATION	OBP_Email	Configuration	destination.mroemail.zipfile.pattern	MRO zip file name
DESTINATION	OBP_Email	Configuration	phaselistener	MROBurster

Note	The e-mail size should not exceed the maximum limit i.e.15728640 MB. E-mail delivery is failed if the PDF merge stitching exceeds this limit.

9. Create a new Group within the Destination – OBP_Email Context to set any default or mapped data that should be sent into the destination processing. This default and mapped data can be used at any point in the destination's processing – for example, if the destination archive's to IPM and certain values are needed for indexing, or in the case of the OBP_Post destination, the Default and Mappings are used to capture data for the print control file.

   To create a new Group, follow these Steps:

   - Highlight the Category for which you want to add a new Group and click + Create Group.
   - Enter the Group Name, Property and Value as shown in the first row below.

- Click on the + to Create new property and enter the Property and Value for the remaining properties listed in the table.

Group Name	Property	Value
Defaults	default	
	documentSet.recipient.context.bankName	Model Bank

Group Name	Property	Value	Purpose
Mappings	destination.ngpemail.to.address	{RCPS.ADR_EMAIL}	Used for OBP Update results
	updateDocument.sessionContext.bankCode	{TRNS.TRNCUSSTR002}	Used for OBP Update results
	updateDocument.sessionContext.transactionBranch	{TRNS.TRNCUSSTR003}	Used for OBP Update results
	updateDocument.sessionContext.userId	{TRNS.TRNCUSSTR004}	Used for OBP Update results
	updateDocument.outboundDocumentListDTO.documentListRecordDTOs.documentDTO.jobId	{JOBS.JOB_ID}	Used for OBP Update results
	updateDocument.outboundDocumentListDTO.documentListRecordDTOs.documentDTO.recipId	{RCPS.RCP_ID}	Used for OBP Update results
	updateDocument.outboundDocumentListDTO.documentListRecordDTOs.documentDTO.setId	{TRNS.TRN_ID}	Used for OBP Update results
	BCHS.BCHMIMETYPE	{BCHS.BCHMIMETYPE}	Used to differentiate the MRO types, whether it is json, xml or html
	destination.ngpemail.zipfile.pattern	USER_PREFERED_NAME {JOBS.JOB_ID}	Used to change the email attachment name

10. Create a new Context to configure the **archive destination** used for output batches where the output is broken into individual print streams per form and sent to IPM. This destination configuration provides the details for IPM access and authentication and identifies the Listener processing that should be executed within the destination.

Context Name	Category	Group Name	Property	Value
DESTINATION	OBP_Archive	Configuration	destination.name	oracle.documaker.ecmconnector.ngpcomponents.NGPIPMDestination

Context Name	Category	Group Name	Property	Value
DESTINATION	OBP_Archive	Configuration	destination.ipm.application.name	The application name within IPM where the OBP documents should be stored.
DESTINATION	OBP_Archive	Configuration	destination.ipm.connection.string	*http://ip:port/imaging/ws*
DESTINATION	OBP_Archive	Configuration	destination.ipm.user.name	
DESTINATION	OBP_Archive	Configuration	destination.ipm.password	
DESTINATION	OBP_Archive	Configuration	phaselistener	OBPPDFBurster
DESTINATION	OBP_Archive	Configuration	phaselistener	OBPResultsWriter
DESTINATION	OBP_Archive	Configuration	phaselistener	MROBurster

11. Create a new Group within the Destination – OBP_Archive Context to set any default or mapped data that should be sent into the destination processing. This default and mapped data can be used at any point in the destination's processing – for example, if the destination archive's to IPM and certain values are needed for indexing, or in the case of the OBP_Post destination, the Default and Mappings are used to capture data for the print control file.

    To create a new Group, follow these Steps:

    - Highlight the Category for which you want to add a new Group and click + Create Group.
    - Enter the Group Name, Property and Value as shown in the first row below and leave Active as checked.
    - Click on the + to Create new property and enter the Property and Value for the remaining properties listed in the table.

Group Name	Property	Value
Defaults	default	

Group Name	Property	Value	Purpose
Mappings	DocTypeCode	{TRNS.DESCR}	Used for archive index in IPM
	PartyID	{TRNS.TRNCUSSTR001}	Used for archive index in IPM
	updateDocument.outboundDocumentListDTO.documentListRecordDTOs.documentDTO.jobId	{JOBS.JOB_ID}	Used for OBP Update results

Group Name	Property	Value	Purpose
	updateDocument.outboundDocumentListDTO.documentListRecordDTOs.documentDTO.recipId	{RCPS.RCP_ID}	Used for OBP Update results
	updateDocument.outboundDocumentListDTO.documentListRecordDTOs.documentDTO.setId	{TRNS.TRN_ID}	Used for OBP Update results
	updateDocument.sessionContext.bankCode	{TRNS.TRNCUSSTR002}	Used for OBP Update results
	updateDocument.sessionContext.transactionBranch	{TRNS.TRNCUSSTR003}	Used for OBP Update results
	updateDocument.sessionContext.userId	{TRNS.CURRUSER}	Used for OBP Update results
	BCHS.BCHMIMETYPE	{BCHS.BCHMIMETYPE}	Used to differentiate the MRO types, whether it is json,xml or html

12. Create a new Context configure the process used to update the results of generation (archive) and dispatch (distribution via OBP_Post or OBP_Email) back to OBP via the OBP Update service. Use the first row to create the new Context and then add the properties listed on the remaining rows.

Context Name	Category	Group Name	Property	Value
DESTINATION	OBPResultsUploader	Configuration	destination.name	oracle.documaker.ecmconnector.mockdestination.MockDestination
DESTINATION	OBPResultsUploader	Configuration	periodic.process.ngpsubmit.username	The user name for the OBP Update Service security setting
DESTINATION	OBPResultsUploader	Configuration	periodic.process.ngpsubmit.password	The password for the OBP Update Service security setting
DESTINATION	OBPResultsUploader	Configuration	periodic.process.ngpsubmit.security.enable	False, Set this to value unless security is enabled for the OBP Update service.
DESTINATION	OBPResultsUploader	Configuration	periodic.process.collection.instance.class	oracle.documaker.ecmconnector.ngpcomponents.archiveresults.NGPSubmitProcess

Context Name	Category	Group Name	Property	Value
DESTINATION	OBPResultsUploader	Configuration	periodic.process.collection.instance.count	1
DESTINATION	OBPResultsUploader	Configuration	periodic.process.ngpsubmit.base.directory	*c:\oracle\odee_1\documaker\mstrres\dmres\results-archive*
DESTINATION	OBPResultsUploader	Configuration	periodic.process.ngpsubmit.retry.count	5
DESTINATION	OBPResultsUploader	Configuration	periodic.process.ngpsubmit.retry.wait	30000
DESTINATION	OBPResultsUploader	Configuration	periodic.process.ngpsubmit.type	ARCHIVE
DESTINATION	OBPResultsUploader	Configuration	periodic.process.ngpsubmit.wsdl	*http://ipaddress:port/com.ofss.fc.webservice/services/content/DocumentApplicationServiceSpi?WSDL*
DESTINATION	OBPResultsUploader	Configuration	periodic.process.repetition.count	0
DESTINATION	OBPResultsUploader	Configuration	periodic.process.repetition.wait	2000

Step D: Configure the Debug Settings

1. Add a new Group to the Assembly Line's LOG4J Logger Category:
   a. On the System Overview tab, click System.
   b. Highlight the Assembly Line name. The default value is Assembly Line 1.
   c. Click Configure.
   d. Expand the LOG4J Logger Context.
   e. Create a group with the following properties. Use the first row to create the group then add the remaining properties:

Group Name	Property	Value	Active
oracle.documaker.ecmconnector.ngpcomponents	priority	error	Checked
	additivity	false	Unchecked
	appender-ref	ErrorAppender	Checked
	appender-ref	LogAppender	Checked
	appender-ref	stdout	Checked
	appender-ref	roll	Checked

Group Name	Property	Value	Active
	class	oracle.documaker.log4jlogger.DFLogger	Checked

Step E: Configure Output Batch

1. Add the new Archiver Destinations to the candidate list for use with a batching definition and update the labels on the Batchings setup tabs within the Documaker Administrator.
   a. On the System Overview tab, Click System.
   b. Highlight Assembly Line name. The default value is Assembly Line 1.
   c. Click Translate.
   d. Add two new Properties to the BCHINGS.BCHINGARCDEST Group.

ID	Local ID	Display	Description	Display Sequence
OBP_Post	en	OBP_Post	OBP Post Destination	next in sequence
OBP_Email	en	OBP_Email	OBP Email Destination	next in sequence

   e. Add one new Property to the BCHINGS.BCHINGSGNDEST Group.

ID	Local ID	Display	Description	Display Sequence
OBP_Archive	en	OBP_Archive	OBP IPM Archive Destination	next in sequence

   f. Change the Display value on the BCHINGS.BCHINGARCLBL.

ID	Local ID	Display	Description	Display Sequence
Archive	en	Dispatch-Delivery	Batchings Archive Destination Label	1

   g. Change the Display value on the BCHINGS.BCHINGSGNLBL

ID	Local ID	Display	Description	Display Sequence
Sign	en	Archive-Generation	Batchings Sign Destination Label	1

2. Update batching options to support Post and Email distribution options.
   a. Click System.
   b. Highlight Assembly Line name. The default value is Assembly Line 1.
   c. Click Batchings.
   d. Inactivate Batch, SMS and MMS batching definitions.

e. Configure Email batching definition:

- Confirm the Print Type: PDF and the MIME Type: application/pdf.
- Set the Dispatch-Delivery destination to: OBP_Email.
- Set the Archive-Generation destination to: OBP_Archive.
- Uncheck the Publish option.
- Set the value for the Rule's Tab Selection Criteria to (('${RCPS.RCBRCPNAME}')=='Customer_Email') or (('${RCPS.RCBRCPNAME}')=='Bank_Email') or (('${RCPS.RCBRCPNAME}')=='Guarantor_Email')

f. Configure Local Print batching definition:

- Confirm the Print Type: PDF and the MIME Type: application/pdf.
- Set the Dispatch-Delivery destination to: OBP_Post.
- Set the Archive-Generation destination to: OBP_Archive.
- Set the value for the Rule's Tab Selection Criteria to (('${RCPS.RCBRCPNAME}')=='Customer') or (('${RCPS.RCBRCPNAME}')=='Bank') or (('${RCPS.RCBRCPNAME}')=='Guarantor')

RESOURCE CONFIGURATION

1. Make a backup of the existing documaker\mstrres\dmres directory.
2. Update the fsisys.ini file located in the documaker\mstrres\dmres directory as follows:

   a. Set the BatchingByRecip values – to be the Model Bank recipients.

   ```
   < BatchingByRecip >
   Batch_Recip_Def      = TRUE;"BATCH1";BANK
   Batch_Recip_Def      = TRUE;"BATCH1";CUSTOMER
   Batch_Recip_Def      = TRUE;"BATCH1";GUARANTOR
   DefaultBatch         = ERROR
   Batch_Recip_Def      = TRUE;"BATCH1";BANK_EMAIL
   Batch_Recip_Def      = TRUE;"BATCH1";CUSTOMER_EMAIL
   Batch_Recip_Def      = TRUE;"BATCH1";GUARANTOR_EMAIL
   ```

   b. Add the following entry to the DocsetNames group. If the option is already present, make sure it is not commented out:

   ```
   GroupName3 = Key3
   ```

   c. Update the entries in the Key1Table group as shown:

   ```
   < Key1Table >
   Model Bank     = Model Bank
   ```

```
XML             = Model Bank
```

d. Update the TRN_FIELDS group as shown:

```
< TRN_FIELDS >
TRNNAME         = !//Recipient/Context/BankerName
KEY1            = !//Recipient/Context/Key1
KEY2            = !//Recipient/Context/Key2
KEY3            = !//Recipient/Context/Key3
KEYID           = !//Recipient/Context/KeyID
TRANCODE        = !//Recipient/Document/TranCode
CURRGROUP       = !//Recipient/Context/UserGroup
DESC            = !//Recipient/Document/NGPDocID
APPROVALSTATE   = !//Recipient/Context/ApprovalState
ACTION          = !//Recipient/Context/Action
TRNCUSSTR001    = !//Recipient/PartyID
TRNCUSSTR002    = !//Recipient/Context/BankCode
TRNCUSSTR003    = !//Recipient/Context/
TransactionBranch
TRNCUSSTR004    = !//Recipient/Context/UserId
```

e. Set the TRN_FILE group as shown:

```
< TRN_FILE >
    BinaryExt         = N
    MaxExtRecLen      = 4000
    TRNRECFMT         = KEY1,KEY2,KEY3,KEYID
    XMLTrnFields      = Yes
```

f. Update the BaseDef option value in the Config:Correspondence group as shown:

```
BaseDef = OBP
```

Note	Leave the Config called Correspondence unless you prefer to change it to your configuration name or to OBP. If so, refer to the Documaker Enterprise Administrator's Guide Appendix for a list of items to update.

g. Set the UserID value in the AFG2WIP group to the entity ID from the ENTITIES table in the dmkr_admin schema that has Drafter permissions in Documaker Interactive. The original user will be listed as this user ID but when the OBP user accesses the document via Documaker Interactive, that user will take ownership and become the CURRUSER for the transaction.

```
< AFG2WIP >
USERID              = 8
```

h. Add a reference to the OBP.dal library in:

```
< DalLibraries >
CompileWhenLoaded    = No
LIB = OBP.dal
```

3. Update the afgjob_1.jdt file in the documaker\mstrres\dmres\deflib directory by inserting this rule after the RunTriggers rule:

```
;PreTransDAL;;CALL("Locale_Convert");
```

4. Update the afgjob_2.jdt as follows:

   a. Add the following after the RcpDocFactory rule:

```
;IfRecipUsed;;BATCH1=Bank;
;IfRecipUsed;;BATCH1=Customer;
;IfRecipUsed;;BATCH1=Guarantor;
;IfRecipUsed;;BATCH1=Bank_Email;
;IfRecipUsed;;BATCH1=Customer_Email;
;IfRecipUsed;;BATCH1=Guarantor_Email;
```

   b. Add a /* in front of the;BatchingByPageCountPerRecipINI;;; and;BatchingByRecipINI;2; rules.

5. Update the deflib\trnsdf.dfd to uncomment the entries for TRNCUSSTR001, TRNCUSSTR002, TRNCUSSTR003, and TRNCUSSTR004.

6. Update the deflib\trndfdfl.dfd and rcbdfdfl.dfd to include a reference to KEY3. Enter the following values:

   In the field list:

```
FIELDNAME = KEY3
```

   In the field definition:

```
< FIELD:KEY3 >
EXT_LENGTH     = 64
EXT_TYPE       = CHAR_ARRAY
INT_LENGTH     = 64
INT_TYPE       = CHAR_ARRAY
KEY            = N
REQUIRED       = N
```

7. Make a back up of the master.mdx, master.dbf and master.lby files in the Oracle\odee_1\documaker\mstrres\dmres\deflib directory.

8. Copy the master.mdx. master.dbf and master.lby files from the temporary directory where you unzipped the OBP_Update.zip files to Oracle\odee_1\documaker\mstrres\dmres\deflib directory.

9. Using SQL Developer or SQL Plus

a. Connect to the dmkr_asline schema.

b. Delete the rows of data from these tables:

```
DMRES_LBYD
DMRES_LBYC
DMRES_LBYI
DMRES_LBYL
```

c. Ensure to **Commit** after running the delete commands.

10. From the application tier, run deploysamplemrl.bat or deploysamplemrl.sh to load the Model Bank resources stored in the master.lby, master.mdx and master.dbf files into the DMRES_LBY* tables.

11. If running on Windows, test Documaker Studio connectivity and setup your test scenario.

Note	For assistance in understanding and using test scenarios in Documaker Studio, see the *Chapter 18 - Testing your work* in Documaker Studio User Guide.

12. Restart the ODDF Service and Docupresentment services.

a. Check that all processes for ODDF Service and Docupresentment service start successfully. Please refer to the Oracle Documaker Enterprise Edition Administration Guide.

b. Copy the sampleextract.xml file from the Oracle\odee_1\documaker\mstrres\dmres\input into the Oracle\odee_1\documaker\hotdirectory. Use Oracle Documaker Enterprise Edition Dashboard to verify that the document processed successfully. Please refer to the Oracle Documaker Enterprise Edition Administration Guide for information on Oracle Documaker Enterprise Edition Dashboard.

Note	You will not be able to create new transactions within Documaker Interactive once these changes are in place as the source for all new documents is extract data from OBP.

c. Validate the web services used to communicate.

- Use the doCallIDS-GetMRLResource.txt contents as the web service validation for the Composition method supported within DWS running under WLS. This request should return a list of the forms contained within the MRL loaded into the dmrk_asline schema.
- Use the doPublishFromImport.txt contents as the web service validation for the Publishing method supported within DWS running under WLS. This request should return the JOB and TRNS table index values where the Status values are 999.

WEB APPLICATION CONFIGURATION

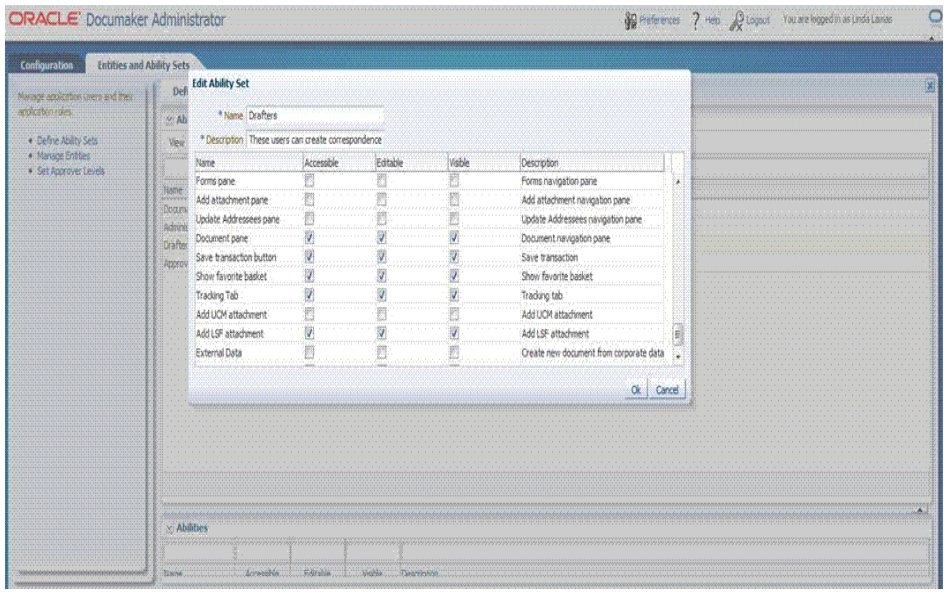
Oracle Documaker Enterprise Edition installs three web applications – Documaker Administrator, Documaker Document Factory Dashboard, and Documaker Interactive. Within a OBP-Documaker Integrated solution, some of the capabilities of Documaker Interactive should be restricted from use. These capabilities primarily include the ability to create new documents, the ability to add additional forms to the document set and the ability to add or modify the recipients or Receiving Party information as all of this information is sourced by OBP and should not be modified externally.

You can configure Documaker Interactive using the Entities and Abilities configuration settings within the Documaker Administrator web application.

To Disable the ability to create new documents:

1. Login to the Documaker Administrator.
2. Select the Entities and Ability Sets tab.
3. Click on the Define Ability Sets option.
4. Highlight the Drafters ability set Name.
5. Click the Pencil icon to edit the Ability Set.

   The Edit Ability Set pop-up window appears.
6. Unchecked the Accessible, Editable, and Visible attributes for these rows:
   - **a.** Edit
   - **b.** New Document
   - **c.** Forms pane
   - **d.** Add attachment pane
   - **e.** Update Addressees pane



Burst PDF Merge

Oracle Documaker Enterprise Edition supports appending or prepending external PDFs from IPM to Documaker generated burst PDFs. The external PDFs are appended or prepended as a PDF, they are not converted to a graphic prior to being appended or prepended.

Support for appending or prepending external PDFs is limited to burst PDFs. External PDFs cannot be prepended or appended to non-PDF output such as AFP, PCL, etc. When PDF is burst, all external PDFs i.e. appended or pre-pended to a form, are clubbed in the burst PDF of that form. The extract file includes the ID of the document from IPM to be appended or prepended. See the sample extracted file below.

Sample extract.xml file

```
<Recipient>...
<Form>
   <Name></Name>
      <Data>
         <DocumentSetC>
            <FormData>
            <Name></Name>
         <extContent>
            <extPdfContentList>
               <extPdfContInfo>
                     <docId>IPM_XXXXX</docId>
                     <pos>PREPEND</pos>
                     <manFlag>FALSE</manFlag>
                     <idx>123</idx>
               </extPdfContInfo>
            </extPdfContentList>
         </extContent>
      </Data>
</Form>
...</Recipient>
```

Content	Description
idx	Indicates the index of the external document. It must be unique within the extract file.

Content	Description
manFlag	Indicates whether it is mandatory to append or prepend the external document referenced by the DocID. • If manFlag is set to `True` and the referenced document isn't found, `Status 441 - Presentation Error`, is displayed in the Dashboard and Console. • If the manFlag is set to `False` and the referenced document isn't found, `Status 999 - Completed` is displayed in the Dashboard and Console.
pos	Indicates where to insert external PDF. APPEND: The external PDF is appended to the burst PDF. PREPEND: The external PDF is prepended to the burst PDF.

Oracle Documaker is configured to access the external documents for insertion into generated output. Make sure the OBPPDFBurster is configured to use this feature. Include following configuration in OBPPDFBurster to burst PDF merge:

Context Name	Category	Group Name	Property	Value
LISTENER	OBPPDFBurster	Configuration	phaselistener.pdfstitcher.name	oracle.documaker.ecmconnector.pdfstitcher.IPMPDFStitcher
LISTENER	OBPPDFBurster	Configuration	phaselistener.pdfstitcher.connection.url	As per your environment, configure IPM URL, for Example: "http://ip-address:port/imaging/ws/"
LISTENER	OBPPDFBurster	Configuration	phaselistener.pdfstitcher.connection.username	IPM Username, As per your environment
LISTENER	OBPPDFBurster	Configuration	phaselistener.pdfstitcher.connection.password	IPM Username, As per your environment

Note	• Keep in mind, Oracle Documaker does not validate extract file content. • BurstPDFMerge and AlternateFileToUpload are not designed to work with each other. Therefore, when using BurstPDFMerge, do not use AlternateFileToUpload and vice versa.

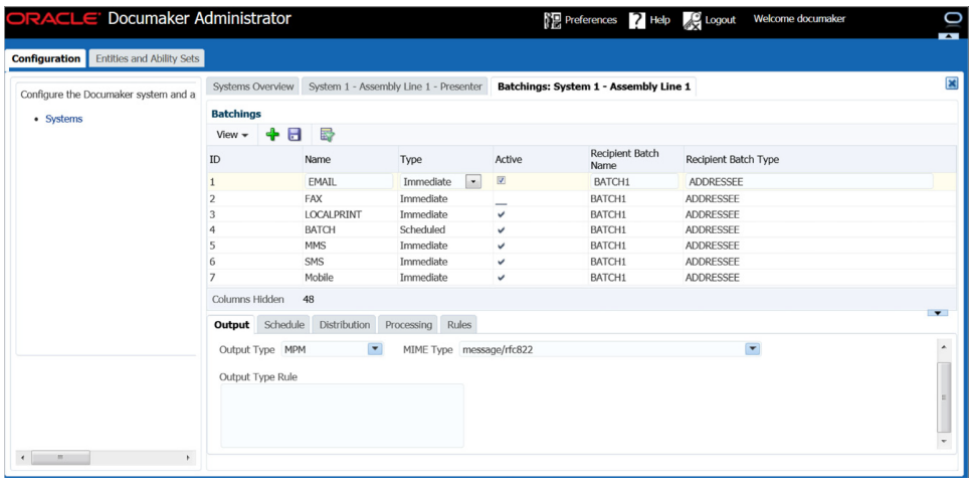
Remember, the index (idx) of the external document should be unique within the extract file. The job will not fail if the same index is assigned to multiple external documents within the extract file; the last reference external document will be used for stitching in. There may be instances a duplicate IDX value is intentionally assigned to multiple external documents in the extract file. You may have one external document you want as the ‘default’, but you may want to omit that document if a more specific file is available. Both could be assigned the same IDX value in the extract file, with the expectation that the latter will override the first in sequence. That way they are mutually exclusive. If a specific file is not available, the default file for that sequence is omitted but, you still get default content.

VALIDATING DOCUMAKER MOBILE INSTALLATION

To validate your Oracle Documaker Enterprise Edition (ODEE) and Oracle Documaker Mobile installations, perform the following steps:

To Enable Mobile output, use the Documaker Administrator web application to configure the output type, destination, and handling.

1. Login to Documaker Administrator and enable the Mobile Batchings. For information on Mobile Batchings, see the “Understand Batches” topic in the ODEE.



2. In Mobile Batchings, activate the Archive Distribution and activate the Notifications property.
3. In the left panel, click Systems link. and expand System node and Assembly Linenode in the right panel.
4. Select the row containing the newly-installed assembly line for Mobile, select Archiver, and click Configure.
5. From the Archiver tab, select Filesystem-Mobile category within DESTINATION context name, and select Mappings.
6. Create an *mrolib* directory in your workspace. Copy the files and resources folder from *Oracle\odee_1\mobile_install\mstrres\mobile* to the following location:
   C:\Oracle\Middleware\user_projects\domains\example_domain\servers\dmkr_server\stage\mrolib
7. Select the *destination.file.name.pattern* property and edit the value to point to *C:\Oracle\Middleware\user_projects\domains\example_domain\servers\dmkr_server\stage\mrolib* directory.
   This enables the mobile output.

Appendix A

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