

**Oracle® Utilities Customer Care and Billing
Integration to Oracle E-Business Suite
Financials for General Ledger and Accounts
Payable**

Installation Guide

Oracle E-Business Suite Financials for General Ledger
and Accounts Payable v12.1.1 or v11.5.10

Oracle Utilities Customer Care and Billing v2.2.0 and
v2.3.1

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Overview

This guide describes the installation steps that must be completed before Oracle E-Business Suite Financials for General Ledger and Accounts Payable can be integrated with Oracle Utilities Customer Care and Billing.

This installation is placed on top of an Oracle SOA Suite 11g R1 PS3 (11.1.1.4.0). Oracle E-Business Suite Financials for General Ledger and Accounts Payable and Oracle Utilities Customer Care and Billing interact with the middleware to initiate the housed services.

Note: Review the entire guide before you begin installation.

Additional Resources

For more information read the following documents:

Resource	Location
Oracle Utilities Customer Care and Billing Integration to Oracle E-Business Suite Financials for General Ledger and Accounts Payable Implementation Guide	Same folder as this document with the distribution for this product.
Oracle E-Business Suite Financials for General Ledger and Accounts Payable Installation Guide for Release v12.1.1 or v11.5.10	http://edelivery.oracle.com/
Oracle Utilities Customer Care and Billing Installation Guide for Release v2.2.0 and v2.3.1	http://edelivery.oracle.com/

Abbreviations

CCB - Oracle Utilities Customer Care and Billing

EBS - Oracle E-Business Suite Financials for General Ledger and Accounts Payable

MDS - Metadata Services

SOA - Service Oriented Architecture

Installation

The following sections describe the settings and requirements for a successful installation. Complete these installation steps prior to configuring the applications for integrated functionality.

Software Requirements

Before installing the integration package, verify that the following software is properly installed and configured:

Note: Refer to your product specific installation instructions for complete details.

- Oracle Utilities Customer Care and Billing – Application version v2.3.1 or version 2.2.0 with the latest service pack installed on an Oracle database
- Oracle E-Business Suite Financials for General Ledger and Accounts Payable – Application version v12.1.1 or v11.5.10 installed on an Oracle database
- SOA11g / Oracle Enterprise Manager 11.1.1.4.0
- Oracle WebLogic Server 10.3.4.0
- This integration does not require AIA Foundation Pack to be installed.

Pre-Installation Tasks

Before you begin installing the integration package, complete the following tasks:

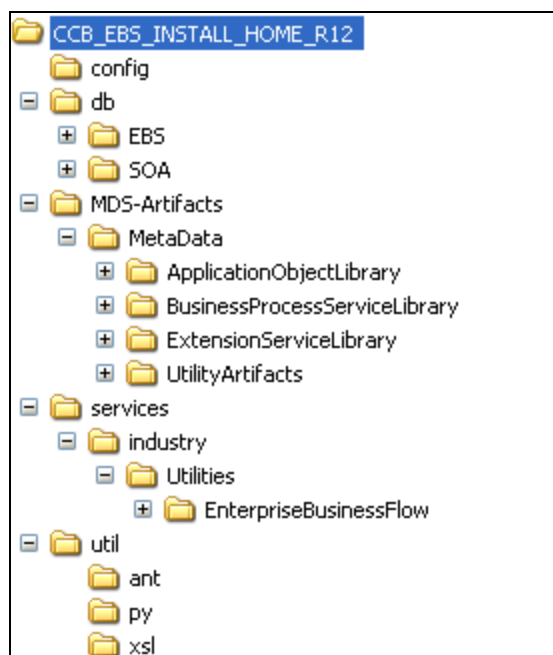
- Ensure that Oracle SOA Suite 11g R1 PS3 (11.1.1.4.0) is installed and running. Refer to documentation at <http://www.oracle.com/technetwork/middleware/soasuite/documentation/index.html - 111140>
- Login to the WebLogic console to confirm there are no changes in Pending Activation status.
- Restart the SOA Managed Server and the WebLogic Admin Server.

Installation Steps

Complete the following steps to install the integration package:

1. Download the Integration Product zip file from e-delivery (<http://edelivery.oracle.com>).
2. Extract the zip downloaded from e-delivery. The folder has CCB_EBS_INSTALL_HOME_R12.zip and CCB_EBS_INSTALL_HOME_R11.zip files.
3. Extract the CCB_EBS_INSTALL_HOME_R12.zip or CCB_EBS_INSTALL_HOME_R11.zip file.

This results in a CCB_EBS_INSTALL_HOME_R12 or CCB_EBS_INSTALL_HOME_R11 folder with subfolders, such as config, db, MDS-Artifacts, services, and util.



4. Set the following environment variables for Unix and Windows OS:

Variable	Example
Unix/Linux and Windows OS	
SOA_HOME	XXX/Middleware/Oracle_SOA1
ORACLE_HOME	XXX/Middleware/Oracle_SOA1
MW_HOME	XXX/Middleware
WL_HOME	XXX/Middleware
PRODUCT_HOME	<p>Set this to the directory where CCB_EBS_INSTALL_HOME_R11.zip or CCB_EBS_INSTALL_HOME_R12.zip is extracted.</p> <p>Examples:</p> <p>Unix/ Linux: PRODUCT_HOME=/slot/oracle/CCB_EBS_INSTALL_HOME_R12</p> <p>Windows: PRODUCT_HOME=D:\Oracle\CCB_EBS_INSTALL_HOME_R12</p>

Note: The syntax for PRODUCT_HOME changes depending on whether you are installing on Linux or Windows. The following sections refer to this as \$PRODUCT_HOME in the Linux syntax. However, if you are installing on Windows, it should be referred to as: %PRODUCT_HOME%.

Wherever \$PRODUCT_HOME is mentioned in this document, replace with %PRODUCT_HOME% for Windows.

The following commands set the environment variables used for executing installation scripts:

- **Unix/ Linux:**
source "\${WL_HOME}/wlserver_10.3/server/bin/setWLSEnv.sh"
- **Windows:**
cd %WL_HOME%\wlserver_10.3\server\bin\
execute setWLSEnv.bat

Note: The scripts setWLSEnv.sh on Linux and setWLSEnv.bat on Windows are used to set environment variables required for executing the installation scripts.

5. Modify the \$PRODUCT_HOME/config/deploy.properties file and ensure that the values are relevant to the server where the integration product is to be installed. Login to the WebLogic console to cross-verify the values being entered for these properties as the build fails due to inappropriate values.

The following table lists the properties available in deploy.properties file along with their usage. The default values are specified wherever applicable.

Note: Do not delete the CCB_EBS_INSTALL_HOME_12 or CCB_EBS_INSTALL_HOME_11 directory. This directory is used as the download location for patches as they are released.

For a Windows installation, when updating any of the properties below, add "\" to the path. For example: C:\ CCB_EBS_INSTALL_HOME_12 or CCB_EBS_INSTALL_HOME_11

Property	Description	Example
Server Installation Information		
weblogic_admin_server_host	Host name of the server where admin server is installed	adcxxx.abc.oracle.com
weblogic_admin_server_port	Port Number admin server is listening to	7043
weblogic_soa_mgdserver_name	SOA Managed Server Name	soa_server1
weblogic_soa_adminserver_name	Admin Server name	AdminServer
domain_name	SOA Domain name	soa_domain
weblogic_soa_server_hostname	Host name of the server where SOA server is installed	adcxxx.abc.oracle.com
weblogic_soa_server_portnumber	Port Number SOA server is listening to	8043
weblogic_username	User name used to log in to the WebLogic console	
weblogic_password	Password used to log in to the WebLogic console	
middleware_home	Path on the server where middleware is installed	/slot/emsXXX/Middleware
middleware_wls_home	Path on the server where WebLogic is installed	/slot/emsXXX/Middleware/wlserver_10.3
middleware_soa_home	Path on the server where SOA is installed	/slot/emsXXX/oracle/Middleware/Oracle_SOA1

Property	Description	Example
composite.completionPersistPolicy	This property can only be used when composite.inMemoryOptimization is set to true.	<p>Default: Faulted</p> <p>Faulted: Only the faulted instances are saved.</p> <p>Off: No instances of the process are saved.</p> <p>Deferred: The completed instances are saved but in different thread and another transaction.</p> <p>On: The completed instance is saved normally.</p>
composite.inMemoryOptimization	This property indicates to Oracle BPEL Server that this process is a transient process and dehydration of the instance is not required. When set to true, the completionPersistPolicy is used to determine persistence behavior. This property can only be set to true for transient processes or processes that do not contain any dehydration points such as receive, wait, onMessage and onAlarm activities. The inMemoryOptimization property is set at the BPEL component level.	<p>Default: false</p> <p>true: The completionPersist policy is used to determine persistence behavior. Please refer to the property above.</p> <p>false: Instances are persisted completely and recorded in the dehydration store database.</p>

Property	Description	Example
composite.auditLevel	<p>The auditLevel property sets the audit trail logging level. This configuration property is applicable to both durable and transient processes. This property controls the amount of audit events that are logged by a process. Audit events result in more database inserts into the audit_trail table which may impact performance. Audit information is used only for viewing the state of the process from Oracle Enterprise Manager Console.</p> <p>Use the Off value if you do not want to store any audit information. Always choose the audit level according to your business requirements and use cases.</p>	<p>Default: Inherit</p> <p>Inherit: Inherits the audit level from infrastructure level.</p> <p>Off: No audit events (activity execution information) are persisted and no logging is performed; this can result in a slight performance boost for processing instances.</p> <p>Minimal: All events are logged; however, no audit details (variable content) are logged.</p> <p>Production: All events are logged. The audit details for assign activities are not logged; the details for all other activities are logged.</p> <p>Development : All events are logged; all audit details for all activities are logged.</p>
overwrite	If set to true, any existing composite with same revision number will be overridden	Default: true
forceDefault	Force new composite as default composite	Default: true
revision	Composite revision number	Default: 1.0
ebs.revision	EBS version	R12 or R11
automate.LifeCycle	Flag to indicate to automate server life cycle during installation	true
soa_partition	All composites related to CCB-EBS integration are deployed to this partition	Default: CCB-EBS
mds_partition	Name of the partition in MDS	CCB-EBS
db.create.user.flag	This flag controls whether an Integration schema user is created. If the user is already created then this will be set to false for the next installation.	true
db_vendor	DB Vendor	Default: Oracle
jdbc_driver_class	JDBC Driver class	oracle.jdbc.OracleDriver
jdbc_xa_driver_class	JDBC XA Driver class	oracle.jdbc.xa.client.OracleXADataSource

Property	Description	Example
mds.user	MDS repository user name	DEV_MDS
mds.pwd	MDS repository password	XXX_MDS
multids.algorithmtype	Algorithm to be used for all the Multi Datasources.	Load-Balancing(recommended algorithm) or Failover
JDBC Properties Section For SOA Database		
jdbc_ds_name	SOA JDBC Data source name.	CCBEBSR12-SOADS1 or CCBEBSR11-SOADS1 (Based on the EBS Revision id)
soa.db.hostname	Database host name	adcXXXX.abc.oracle.com
soa.db.port	Database port number	1521
soa.db.sid	Databse SID	xxxdev2
soa.db.adminuser	Database admin user name	System
soa.db.adminpwd	Database admin password	Manager
soa.db.user	Integration schema name to access SOA database for CCB-EBS Lookup tables etc	ccbebsuser
soa.db.pwd	Integration schema password	ccbebspwd
soa.xads.flag	To create the Thin XA data source	NO
soa.db.multids	Create the multidata source to which the generic datasource is associated.	CCBEBSR12-SOADS or CCBEBSR11-SOADS Only these names should be used as they are referenced in the source code
soa.db.dsnameslist	Adds the list of the generic datasources the user wants to associate with the multidatasource created.	CCBEBSR12-SOADS1 or CCBEBSR11-SOADS1 (This name should be same as the jdbc_ds_name property)
JDBC Properties Section For CCB Application		
ccb_ds_name	CCB Data source name.	CCBEBSR12-CCBDS1 or CCBEBSR11-CCBDS1 (Based on the EBS Revision ID)
ccb.db.hostname	Database hostname	adcXXXX.abc.oracle.com
ccb.db.port	Database port number	1521
ccb.db.sid	Databse SID	ccbdev2
ccb.db.user	CCB Database user name	Cisadm
ccb.db.pwd	CCB Database password	Cisadm
ccb.xads.flag	To create the Thin XA data source	YES

Property	Description	Example
ccb.db.multids	Create the multidata source to which the generic datasource is associated.	CCBEBSR12-CCBDS or CCBEBSR11-CCBDS (Only these names should be used as they are referenced in the source code).
ccb.db.dsnameslist	Adds the list of the generic datasources the user wants to associate with the multidatasource created.	CCBEBSR12-CCBDS1 or CCBEBSR11-CCBDS1 (This name should be same as the ccb_ds_name property)
JDBC Properties Section For EBS Application		
ebs_ds_name	EBS Datasource name.	CCBEBSR12-EBSDS1 or CCBEBSR11-EBSDS1 (Based on the EBS Revision ID)
ebs.db.hostname	Database hostname	adcXXXX.abc.oracle.com
ebs.db.port	Database port number	1521
ebs.db.sid	Database SID	VIS
ebs.db.user	EBS Database user name	apps
ebs.db.pwd	EBS Database password	apps
ebs.xads.flag	To create the Thin XA data source	NO. This has to be set to NO as the EBS APIs to set Org Context are doing a commit in between.
ebs.db.multids	Create the multidata source to which the generic datasource is associated.	CCBEBSR12-EBSDS or CCBEBSR11-EBSDS (Only these names should be used as they are referenced in the source code).
ebs.db.dsnameslist	Adds the list of the generic datasources the user wants to associate with the multidatasource created.	CCBEBSR12-EBSDS1 or CCBEBSR11-EBSDS1 (This name should be same as the ebs_ds_name property)
Outbound Connection Pool Properties		
db.adapter.namespace	DB Adapter Namespace	http://www.bea.com/ns/weblogic/90
cancellation.production.url	End point URL of the Adjustment Maintenance XAI Service of the CCB Application	http://sf-ugbu-22.us.oracle.com:8900/spl/XAIApp/xaiserver/C1AdjustmentMaintenance

Note the following:

- \$PRODUCT_HOME/util/ant folder contains all the ant build scripts.

- InstallCCBEBS.xml is the wrapper for all other scripts. Any task which is part of InstallCCBEBS.xml internally invokes one of the other ant build scripts for execution.
- CommonTasks.xml file contains tasks which are repeatedly used by one of the build scripts or used by more than one build scripts.

Installing the Integration

If xxx.xads.flag=YES, global transaction is set to YES. If it is NO, then local transaction is set to NO, where xxx stands for SOA, CCB, EBS.

Global Transactions are those which use XADatasource as the driver Class and Two Phase Commit, whereas if the flag is set to NO, then the DataSource is used as the driver class and 'None' as the transaction type.

Run the Installation Script

After you set the environment variables, do the following:

1. Open a command prompt and execute the command:
cd \$PRODUCT_HOME/util/ant
2. Execute **ant -f InstallCCBEBS.xml deployCCBEBS** to invoke the build script.

During the execution, the following tasks are performed and then the installation is complete.

- Creates database user/ tables required for Oracle Utilities Customer Care and Billing Integration to Oracle E-Business Suite Financials for General Ledger and Accounts Payable in the SOA database.

Table Name	Description
INTEGRATION_LOOKUP_TABLE	A lookup table to store all the configuration parameters used by the BPEL processes. This table is also used to configure the e-mail addresses to be notified if errors occur. This table is seeded with data at the time of integration product installation.
INTEGRATION_PROCESS_ACTIVATION	This table is used to activate or de-activate various integration points. During the installation process this table is seeded with data. By default it is populated to activate all the available integration points in the product.
INTEGRATION_ERROR_STORE	The table is used to hold the information regarding the errors encountered during integration transactions. A record is inserted for each error encountered by the BPEL processes. The e-mail notification process, MailNotification, accesses this table to get the error information needed to construct the notification e-mail. This table is delivered with no data.

- Creates JDBC Data Source for all the data-sources based on the xads flag whether to create the Thin XA datasource or Thin datasource.
- Creates outbound connection pool for Database used by CCB/ EBS and SOA DB by updating DBAdapter.rar file.

- If automate.LifeCycle=true in deploy.properties file under \$PRODUCT_HOME\config folder, the shutdown and start Admin Server and Managed Server is done through the script to ensure that the all changes are activated.
- Updates MDS repository with all the artifacts.
- Creates the application partition where the composites are going to be deployed. For example: CCB-EBSR12 or CCB-EBSR11
- Compiles/ packages and then deploys all the composites to the Enterprise Manager.
- Attaches “oracle/Utilities_wss_http_token_service_policy_OPT_ON” and “oracle/Utilities_wss_http_token_client_policy_OPT_ON” local security policies to all the services and references for the CCB-EBS composites if ‘attachSecurityPolicy’ is set to true in \$PRODUCT_HOME/config/internal.properties.

Post Installation Checklist

After running the installation scripts, complete the following tasks to finalize the installation:

1. Restart the WebLogic Admin server and the SOA server.

Restarting the servers activates the processes that require a restart after installation and ensures that the installation of all artifacts is successful.
2. Review the logs under
\$WL_HOME/user_projects/domains/soa_domain/servers/soa_server1/logs to check for deployment errors.
3. Verify that all JDBC resources were created.
4. Verify composites in the Enterprise Manager.

Verify JDBC Configuration

Data Source

1. Ensure that following multi data sources are created on the server:
 - CCBEBRSR12-CCBDS or CCBEBRSR11-CCBDS – Data source used for establishing connection with CCB application database based on the EBS Revision
 - CCBEBRSR12-EBSDES or CCBEBRSR11-EBSDES – Data source used for establishing connection with EBS application database based on the EBS Revision
 - CCBEBRSR12-SOADS or CCBEBRSR11-SOADS – Data source used for establishing connection with SOA database based on the EBS Revision
2. Ensure that the generic data sources CCBEBRSxxx-CCBDS1/CCBEBRSxxx-EBSDES1/CCBEBRSxxx-SOADS1 are created as below.
3. Open the WebLogic Admin Console and select **Services → JDBC → Data Sources**. Verify that the multi data sources and generic data sources are created as shown below in PS3 environment.

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree from a data source.

This page summarizes the JDBC data source objects that have been created in this domain.

[Customize this table](#)

Data Sources (Filtered - More Columns Exist)

Name	Type	JNDI Name	Targets
CCBEBSR11-CCBDS	Multi	jdbc/CCBEBSR11-CCBDS	soa_server1
CCBEBSR11-CCBDS1	Generic	jdbc/CCBEBSR11-CCBDS1	soa_server1
CCBEBSR11-EBSDS	Multi	jdbc/CCBEBSR11-EBSDS	soa_server1
CCBEBSR11-EBSDS1	Generic	jdbc/CCBEBSR11-EBSDS1	soa_server1
CCBEBSR11-SOADS	Multi	jdbc/CCBEBSR11-SOADS	soa_server1
CCBEBSR11-SOADS1	Generic	jdbc/CCBEBSR11-SOADS1	soa_server1
CCBEBSR12-CCBDS	Multi	jdbc/CCBEBSR12-CCBDS	soa_server1
CCBEBSR12-CCBDS1	Generic	jdbc/CCBEBSR12-CCBDS1	soa_server1
CCBEBSR12-EBSDS	Multi	jdbc/CCBEBSR12-EBSDS	soa_server1
CCBEBSR12-EBSDS1	Generic	jdbc/CCBEBSR12-EBSDS1	soa_server1
CCBEBSR12-SOADS	Multi	jdbc/CCBEBSR12-SOADS	soa_server1
CCBEBSR12-SOADS1	Generic	jdbc/CCBEBSR12-SOADS1	soa_server1

4. Verify that the multi data source created is mapped to the generic data source created. The user can create any number of generic data sources and map them to the multi data source, provided the generic data sources use following type of drivers.
 - a. CCBEBSR12-CCBDS or CCBEBSR11-CCBDS uses Thin XA driver
 - b. CCBEBSR12-EBSDS or CCBEBSR11-EBSDS uses Thin driver
 - c. CCBEBSR12-SOADS or CCBEBSR11-SOADS uses Thin driver

ORACLE WebLogic Server® Administration Console

Home > Summary of JDBC Data Sources

Settings for CCBEBSR12-CCBDS

Configuration Targets Notes

General Data Sources

Save

Use this page to select the JDBC data sources that you would like to include as part of this JDBC multi data source.

Data Sources:

Available:

- ☐ CCBEBSR11-CCBDS1
- ☐ EDNDataSource
- ☐ SOADDataSource

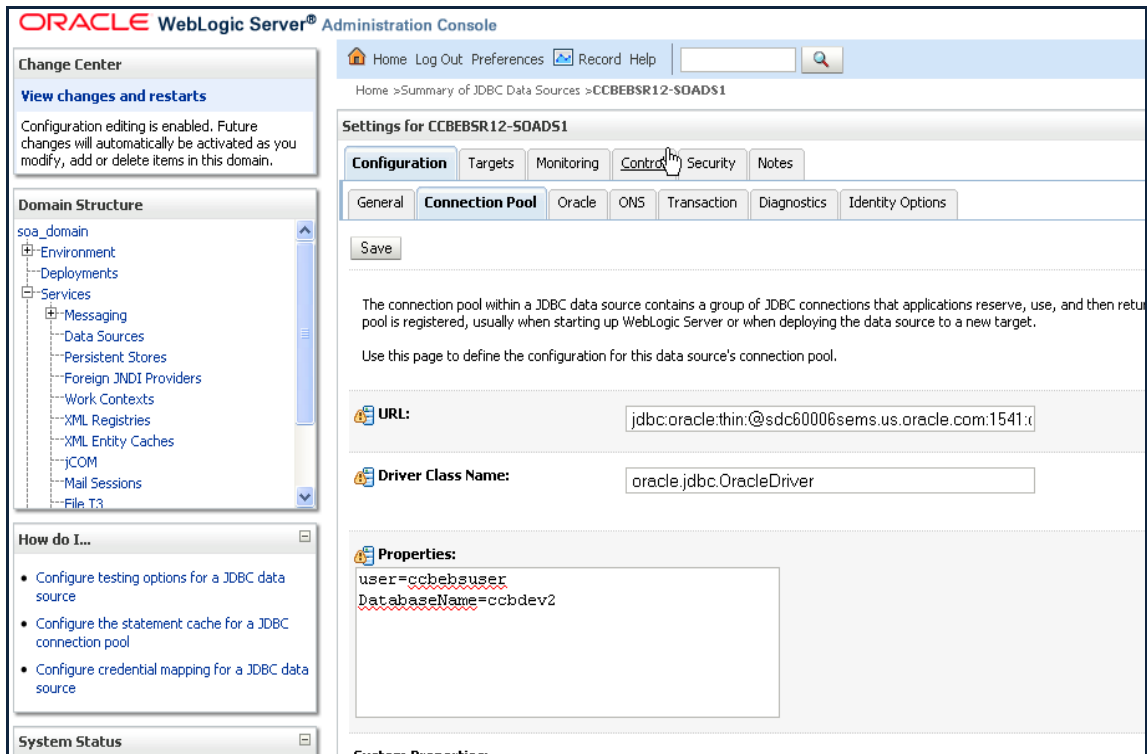
Chosen:

- ☐ CCBEBSR12-CCBDS1

Save

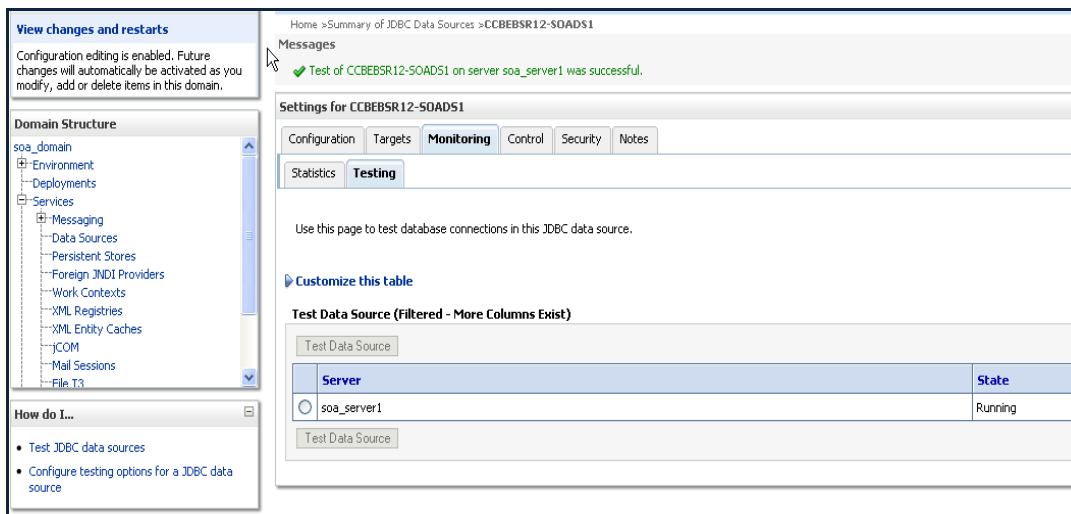
2. Verify whether the URL settings are correctly pointed to the database.

In the main page, select the **Configuration** tab, and then select the **Connection Pool** sub tab for the associated generic data source. Verify the URL and credentials (in the properties text area).



3. Test the database for correct configurations.

In the main page, select **Monitoring** tab, and then select **Testing** sub tab.



Database Outbound Connection pool

1. Ensure that the following three connection pools are created on the server:
 - eis/DB/CCBEBSR12-CCBDS for CCB database connection pool
 - eis/DB/CCBEBS R12-EBSDS for EBS database connection pool
 - eis/DB/CCBEBS R12-SOADS for SOA 11g database connection pool

Select **Deployments**. Select the **DBAdapter** then select the **Configuration** tab. Select the **Outbound Connection Pools** tab under the **Configuration** tab.

2. Expand javax.resource.cci.ConnectionFactory.

This page displays a table of Outbound Connection Pool groups and instances for this resource adapter. The top level entries in the table represent Outbound Connection Pool groups. Group interface and the instances are listed by their JNDI names. Expand a group to obtain configuration information for a Connection Pool instance within an Outbound Connection Pool group. Configure it. Automatically generated Connection Pools are not displayed in the table below.

Outbound Connection Pool Configuration Table

Groups and Instances	Connection Factory Interface
javax.resource.cci.ConnectionFactory	javax.resource.cci.ConnectionFactory
eis/DB/CCBEBSR11-CCBDS	javax.resource.cci.ConnectionFactory
eis/DB/CCBEBSR11-EBSDS	javax.resource.cci.ConnectionFactory
eis/DB/CCBEBSR11-SOADS	javax.resource.cci.ConnectionFactory
eis/DB/CCBEBSR12-CCBDS	javax.resource.cci.ConnectionFactory
eis/DB/CCBEBSR12-EBSDS	javax.resource.cci.ConnectionFactory
eis/DB/CCBEBSR12-SOADS	javax.resource.cci.ConnectionFactory
eis/DB/CCBPS-CCBDS	javax.resource.cci.ConnectionFactory
eis/DB/CCBPS-PSDS	javax.resource.cci.ConnectionFactory
eis/DB/CCBPS-SOADS	javax.resource.cci.ConnectionFactory
eis/DB/SOADemo	javax.resource.cci.ConnectionFactory

System Status

Health of Running Servers

- Failed (0)
- Critical (0)
- Overloaded (0)
- Warning (0)
- OK (2)

Verify Composites in Enterprise Manager

Verify if the CCB-EBSR12 or CCB-EBSR11 partition was created with all the composites deployed by following these steps:

1. Login to the Enterprise Manager.
2. Expand **SOA** → **soa-infra** → CCB-EBSR12 or CCB-EBSR11 partition.
3. Verify that all the composites are deployed and in an active state.

Configure the Edge Applications

Configure Oracle Utilities Customer Care and Billing Integration and Oracle E-Business Suite Financials for General Ledger and Accounts Payable installation according to the guidelines in the Implementation Guide for this integration package.

Deploying/Undeploying Individual Composites

This section describes how to deploy/ undeploy individual composites for incremental builds or patches.

Deploying Individual Composites

1. Set the environment variables as described above in the installation steps.
2. Open a Command prompt and execute the command: **cd \$PRODUCT_HOME/util/ant**
3. Execute: **ant -f InstallCCBEBS.xml deployComposite**
You are prompted to enter the name of the composite.
4. Enter the composite name (for example: EBSToCCBAPDataRequestScheduler). This deploys the composite name specified.

Alternatively, you can execute the following command:

```
ant -f InstallCCBEBS.xml deployComposite -DcompositeName=EBSToCCBAPDataRequestScheduler
```

You will not be prompted to enter the name of the composite.

Un-deploy the Composite

1. Set the environment variables as described above in the installation steps.
2. Open a Command prompt and execute the command: **cd \$PRODUCT_HOME/util/ant**
3. Execute: **ant -f InstallCCBEBS.xml undeployComposite**
You are prompted to enter the name of the composite.
4. Enter the composite name (example: EBSToCCBAPDataRequestScheduler). This undeploys the composite name specified.

Alternatively, you can execute the following command:

```
ant -f InstallCCBEBS.xml undeployComposite -DcompositeName=EBSToCCBAPDataRequestScheduler
```

You will not be prompted to enter the name of the composite.

Update Metadata Store Artifacts

1. Set the environment variables as described above in the installation steps.
The files for MDS Artifacts are stored in \$PRODUCT_HOME/MDS-Artifacts.
2. Modify the files under MDS-Artifacts folder.
3. Execute the command: **cd \$PRODUCT_HOME/util/ant**
4. Execute: **ant -f InstallCCBEBS.xml updateMDS**
5. Execute the commands in **Deploying/Undeploying Individual Composites** to deploy the individual composites or restart the SOA server for the modified MDS artifacts to be used from the composites.

Uninstalling the Integration

If you need to uninstall the integration, complete the following:

1. Set environment variables as mentioned above in the installation steps.
2. Ensure that user soa.db.user is disconnected from the database.
Run the following query on the database as sysdba user. (This should not return any rows.)

For example:

```
select username, sid, serial# from v$session where  
username='ccbebsuser';
```

3. Open a Command prompt and execute the following command:

cd \$PRODUCT_HOME/util/ant

4. Run the following script:

ant -f InstallCCBEBS.xml undeployCCBEBS

This script deletes everything related to Oracle Utilities Customer Care and Billing Integration to Oracle E-Business Suite Financials for General Ledger and Accounts Payable from the server by completing the following tasks:

- Undeploys all the composites from the Enterprise Manager partition
 - Deletes the partition
 - Undeploys MDS artifacts
 - Undeploys DB Outbound Connection Pool
 - Deletes the CCB-EBS related database objects created in SOA database and deletes the multi data sources and the generic data sources.
5. Restart the WebLogic and SOA servers.

Note: After a successful uninstall, all JDBC resources and CCB-EBS partitions created during installation are deleted.

Installation Commands

The table below lists possible commands for the install scripts.

Command	Description	Restart Required?
ant -f InstallCCBEBS.xml deployCCBEBS	Installs CCB-EBS Integration from scratch	Yes
ant -f InstallCCBEBS.xml deployDB	Creates all database objects required by CCB-EBS Integration module	No
ant -f InstallCCBEBS.xml createCCBJDBCResources	Creates JDBC Datasource required for CCB-EBS Integration to establish database connection with CCB database	No
ant -f InstallCCBEBS.xml createSOAJDBCResources	Creates JDBC Datasource for CCB-EBS integration to establish database connection with Integration schema in SOA database	No
ant -f InstallCCBEBS.xml createEBSJDBCResources	Creates JDBC Datasource for CCB-EBS integration to establish database connection with EBS database	No
ant -f InstallCCBEBS.xml deployDbOutbound	Deploys DB outbound connection pool. DBAdapter.rar file is updated. A server restart is required for changes to take effect	Yes
ant -f InstallCCBEBS.xml createPartition	Creates partition CCB-EBSR12 or CCB-EBSR11 in Enterprise Manager console	No
ant -f InstallCCBEBS.xml updateMDS	Updates MDS schema with all the MDS artifacts available at PRODUCT_HOME/MDS-Artifacts/ folder and files listed in createCopyConfig.xml	Yes
ant -f InstallCCBEBS.xml deployAll	Deploy all the composites to the partition created with version number mentioned in deploy.properties file	No
ant -f InstallCCBEBS.xml deployComposite	This command is used while deploying a single composite to the server. This prompts for the name of the composite to be deployed. Example : EBSToCCBAPDataRequestScheduler	No
ant -f InstallCCBEBS.xml undeployComposite	This command is used while undeploying a single composite from the server. This prompts for the name of the composite to be undeployed. Example : EBSToCCBAPDataRequestScheduler	No
ant -f InstallCCBEBS.xml undeployMDS	Removes all the artifacts related to the CCB-EBS integration from the MDS schema	Yes
ant -f InstallCCBEBS.xml undeployAll	Undeploys all the composites of CCB-EBS product	No
ant -f InstallCCBEBS.xml deletePartition	Deletes the partition created	No

Command	Description	Restart Required?
ant -f InstallCCBEBS.xml undeployDbOutbound	Removes the DB Outbound connection pool references created for CCB-EBS integration. DBAdapter.rar is updated. A server restart is required for changes to take effect.	Yes
ant -f InstallCCBEBS.xml deleteCCBJDBCResources.xml	Deletes the data source created for CCB-EBS for establishing connection with CCB database	No
ant -f InstallCCBEBS.xml deleteSOAJDBCResources	Deletes the data source created for CCB-EBS for establishing connection with Integration schema in SOA Database	No
ant -f InstallCCBEBS.xml deleteEBSJDBCResources	Deletes the data source created for CCB-EBS for establishing connection with EBS database	No
ant -f InstallCCBEBS.xml bounceServers	Depends on automate.LifeCycle=true. Shuts down managed server and the admin server and then starts the admin server and the managed server.	No
ant -f b InstallCCBEBS.xml undeployCCBEBS	Uninstalls CCB-EBS Integration	Yes