

# Oracle® Communications Billing and Revenue Management

## Collections Configuration Center Installation Guide



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# Contents

## About This Content

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|   |   |   |
|---|---|---|
| 1 | Collections Configuration Center Installation Overview              |   |
|   | About Installing Collections Configuration Center                   | 1 |
|   | Ensuring a Successful Collections Configuration Center Installation | 1 |
| 2 | Collections Configuration Center Preinstallation Tasks              |   |
| 3 | Installing Collections Configuration Center                         |   |
|   | Downloading the Collections Configuration Center Installer          | 1 |
|   | Installing Collections Configuration Center in UI Mode              | 1 |
|   | Installing Collections Configuration Center in Silent Mode          | 3 |
|   | Creating a Response File  | 3 |
|   | Performing a Silent Installation                                    | 4 |

# About This Content

This guide provides instructions for installing Oracle Communications Collections Configuration Center.

## **Audience**

This guide is intended for system administrators, database administrators, and developers who install and configure Collections Configuration Center. Collections Configuration Center requires Oracle Database and Oracle Identity and Access Management Suite products. See the documentation for those products for additional installation and configuration instructions.

# 1

## Collections Configuration Center Installation Overview

Learn about installing Oracle Communications Collections Configuration Center.

Topics in this document:

- [About Installing Collections Configuration Center](#)
- [Ensuring a Successful Collections Configuration Center Installation](#)

### About Installing Collections Configuration Center

Collections Configuration Center installation should be performed only by experienced system administrators. You must be familiar with the following before you begin the installation:

- Linux operating system.
- Oracle Identity Cloud Service (IDCS) or your preferred OpenID Connect (OIDC) provider.

Additionally, you should have experience installing Java-related packages.

### Ensuring a Successful Collections Configuration Center Installation

Collections Configuration Center uses additional Oracle software products, including Oracle Identity Cloud Service and Oracle Communications Billing and Revenue Management (BRM) REST Services Manager. Familiarize yourself with these products and their installation procedures before installing Collections Configuration Center.

To ensure that the Collections Configuration Center installation is successful, follow these guidelines:

- As you install each component (for example, Oracle Identity Cloud Service), verify that the component installed successfully before continuing the installation process.
- Pay close attention to the system requirements. Before you begin installing the application, ensure that your system has the required base software and meets the minimum technical requirements. In addition, ensure that you know all the required configuration values, such as host names and port numbers.
- Make a note of any new configuration values as you create them. You will be required to enter configuration values later in the procedure.

# 2

## Collections Configuration Center Preinstallation Tasks

Learn about prerequisite tasks for installing the Oracle Communications Collections Configuration Center software.

Before installing Collections Configuration Center, ensure that you have done the following:

- Install BRM REST Services Manager. See *BRM Installation Guide* for more information.

### Note

Ensure that you know the base URL for accessing the BRM REST Services Manager. You need this information during the installation of Collections Communication Center.

- Configure OAuth security for BRM REST Services Manager. See "BRM REST Services Manager Security" in *BRM Security Guide* for more information.
- Configure OAuth security for Collections Configuration Center. See "Collections Configuration Center Security" in *BRM Security Guide* for more information.

# 3

## Installing Collections Configuration Center

Learn how to install Oracle Communications Collections Configuration Center.

Topics in this document:

- [Downloading the Collections Configuration Center Installer](#)
- [Installing Collections Configuration Center in UI Mode](#)
- [Installing Collections Configuration Center in Silent Mode](#)

### Downloading the Collections Configuration Center Installer

You can download the Collections Configuration Center software from one of the following locations:

- For Collections Configuration Center 15.2.0 or any 15.2.x maintenance release: From the Oracle software delivery website (<https://edelivery.oracle.com>)
- For any 15.2.x.y patch set release: From the Oracle support website (<https://support.oracle.com>)

Search for and download the **Oracle Communications Collections Configuration Center 15.2.x.y.0** software, where *x* refers to the maintenance release and *y* refers to the patch set release of Collections Configuration Center that you are installing.

The Zip archive includes the installer: **Collections\_Configuration\_Center-15.2.x.y.0.jar**

### Installing Collections Configuration Center in UI Mode

To install Collections Configuration Center in UI mode:

1. Download the Collections Configuration Center installer. See "[Downloading the Collections Configuration Center Installer](#)".
2. Go to the directory where you downloaded the software and run one of the following commands:

- To start the UI installer:

```
Java_home/bin/java -jar jarfile
```

where:

- *Java\_home* is the directory in which you installed the latest supported Java version.
- *jarfile* is the Collections Configuration Center installer file, for example **Collections\_Configuration\_Center-15.2.0.0.0.jar**.

- To start the UI installer and install Collections Configuration Center using an **oraInventory** directory in a different location:

```
Java_home/bin/java -jar jarfile -invPtrLoc Inventory_home/oraInst.loc
```

where *Inventory\_home* is the location of the Oracle inventory.

- To start the UI installer and create a silent installer response file during the installation:

```
Java_home/bin/java -jar jarfile -record -destinationFile path
```

where *path* is the response file location and name.

- In the Welcome window, click **Next**.

If the **oralnst.loc** file is corrupt or not present in the expected location, the Specify Inventory Directory and Credentials window appears. The default location of the **oralInventory** directory is in the **/etc/oralnst.loc** file.

Otherwise, the Installation Location window is displayed, and you should go to step 5. This window displays the path to the default inventory directory and the default operating system group name.

- In the Specify Inventory Directory and Credentials window, enter the details listed in [Table 3-1](#) and then click **Next**.

**Table 3-1 Specify Inventory Directory and Credentials**

| Field                              | Description   |
|------------------------------------|---|
| <b>Inventory Directory</b>         | The full path to the inventory directory. This should be an absolute path, not containing environment variables. Do not include the name of the <b>oralnst.loc</b> file. The directory and <b>oralnst.loc</b> file are created if they do not already exist.<br><br>The default location of the <b>oralInventory</b> directory is recorded in the <b>/etc/oralnst.loc</b> file. |
| <b>Operating System Group Name</b> | The name of the operating system group that has write permission to the inventory directory   |

The Installation Location window appears.

- Enter the full path or browse to the directory in which to install Collections Configuration Center and click **Next**.
- In the Feature Sets Selection window, the Collections Configuration Center software is selected by default. Click **Next**.
- In the Server Details window, enter the information in [Table 3-2](#) and click **Next**.

**Table 3-2 Collections Configuration Center Server Details**

| Field                    | Description   |
|--------------------------|---|
| <b>Host Name</b>         | The host name or IP address of the machine on which Collections Configuration Center is installed |
| <b>Port Number</b>       | The port number assigned to the Collections Configuration Center service                          |
| <b>SSL Port Number</b>   | The port number assigned to the Collections Configuration Center service for SSL                  |
| <b>KeyStore Location</b> | The directory in which your KeyStore files are located  |
| <b>KeyStore Password</b> | The password required to access the certificates from the KeyStore                                |

- In the REST Services Manager URL Details window, enter the base URL for the Billing and Revenue Management REST Services Manager and click **Next**.



9. In the Identity Provider Details window, enter the details listed in [Table 3-3](#) and then click **Next**.

**Table 3-3 Identity Provider Details**

| Field                          | Description  |
|--------------------------------|--|
| <b>Identity URL</b>            | The base URL of your Identity Provider server  |
| <b>Scope Audience</b>          | The primary audience registered for the application which is appended for scopes                                       |
| <b>Audience</b>                | The secondary audience, if one is configured<br>Otherwise, enter the same value as in the <b>Scope Audience</b> field. |
| <b>Client Id</b>               | The client ID of the application   |
| <b>Client Secret</b>           | The client secret of the application   |
| <b>Wallet Password</b>         | The client Oracle wallet password  |
| <b>Confirm Wallet Password</b> | The client Oracle wallet password again  |

10. In the Installation Summary window, review your selections and then click **Install**.

**Note**

After the installation begins, you cannot stop or cancel the installation.

The Installation Progress window appears, and the installation begins.

11. In the Installation Progress window, when the installation is done, click **Next**.
12. In the Installation Complete window, click **Finish**.

## Installing Collections Configuration Center in Silent Mode

Silent installation mode enables you to perform a non-interactive installation of Collections Configuration Center. You can use the silent installation mode to install Collections Configuration Center quickly on multiple systems.

Silent installation mode does not use the UI and runs in the background. In this mode, you use a response file template that contains a predefined set of values to install Collections Configuration Center. You can generate a response file that contains the parameters and values during the Collections Configuration Center UI installation.

## Creating a Response File

To create a response file:

1. Create a copy of the response file that was generated during the UI installation. See "[Installing Collections Configuration Center in UI Mode](#)" for more information.

**Note**

The UI installer does not store passwords provided during installation in the response file. You must manually add the passwords after creating a copy of the response file.

You can create as many response files as needed.

2. Open the response file in a text editor.
3. Modify the response file you copied by specifying the key-value information for the parameters you want in your installation.

**Note**

- The response file template contains guidelines and examples on how to enter the values in the parameters.
- The installer treats incorrect context, format, and type values in a response file as if no value were specified.

4. Save and close the response file.

## Performing a Silent Installation

To perform a silent installation:

1. Create a response file. See "[Creating a Response File](#)".
2. Copy the response file you created to the machine on which you are running the silent installation.
3. On the machine on which you are running the silent installation, go to the directory to which you have downloaded the Collections Configuration Center installer and run the following command:

```
Java_home/bin/java -jar jarfile -debug -invPtrLoc Inventory_home/oraInventory/  
oraInst.loc [parameter=value] -responseFile path -silent
```

where:

- *Java\_home* is the directory in which you installed the latest supported Java version.
- *jarfile* is the Collections Configuration Center installer file, for example **Collections\_Configuration\_Center-15.2.0.0.0.jar**.
- *parameter* is the name of an installation parameter.
- *value* is the value of the installation parameter.
- *path* is the absolute path to the response file.

For example:

```
Java_home/bin/java -jar Collections_Configuration_Center-15.2.0.0.0.jar -debug -  
invPtrLoc Inventory_home/oraInventory/oraInst.loc INSTALL_TYPE=Complete -  
responseFile /tmp/oracle.communications.ccc.rsp -silent
```

The installation runs silently in the background.

