

Oracle FLEXCUBE Password Change
Oracle FLEXCUBE Investor Servicing

Release 14.5.4.0.0

[May] [2022]



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1. About this Manual

1.1 Introduction

This manual explains the method of changing the passwords in Oracle FLEXCUBE data sources and the servers associated with it.

1.2 Audience

This manual is intended for the following User/User Roles:

Role	Function
Implementers	Installation and implementation of Oracle FLEXCUBE
System Administrators	System administration

1.3 Organization

This manual is organized into the following chapters:

Chapter 1	<i>About this Manual</i> acquaints you quickly with the purpose, organization and the audience of the manual.
Chapter 2	<i>Oracle FLEXCUBE Password Change</i> gives an outline of the processes involved in changing the passwords of various data sources.
Chapter 3	<i>Changing Passwords in Oracle WebLogic</i> describes the method of changing data source passwords from Oracle WebLogic application server.
Chapter 4	<i>Changing Passwords in IBM Websphere</i> describes the method of changing data source passwords from IBM Websphere application server.
Chapter 5	<i>Server Password Change</i> explains the process of changing the passwords of the servers associated with Oracle FLEXCUBE.

1.4 Related Documents

Oracle FLEXCUBE Installation Guide

2. Oracle FLEXCUBE Password Change

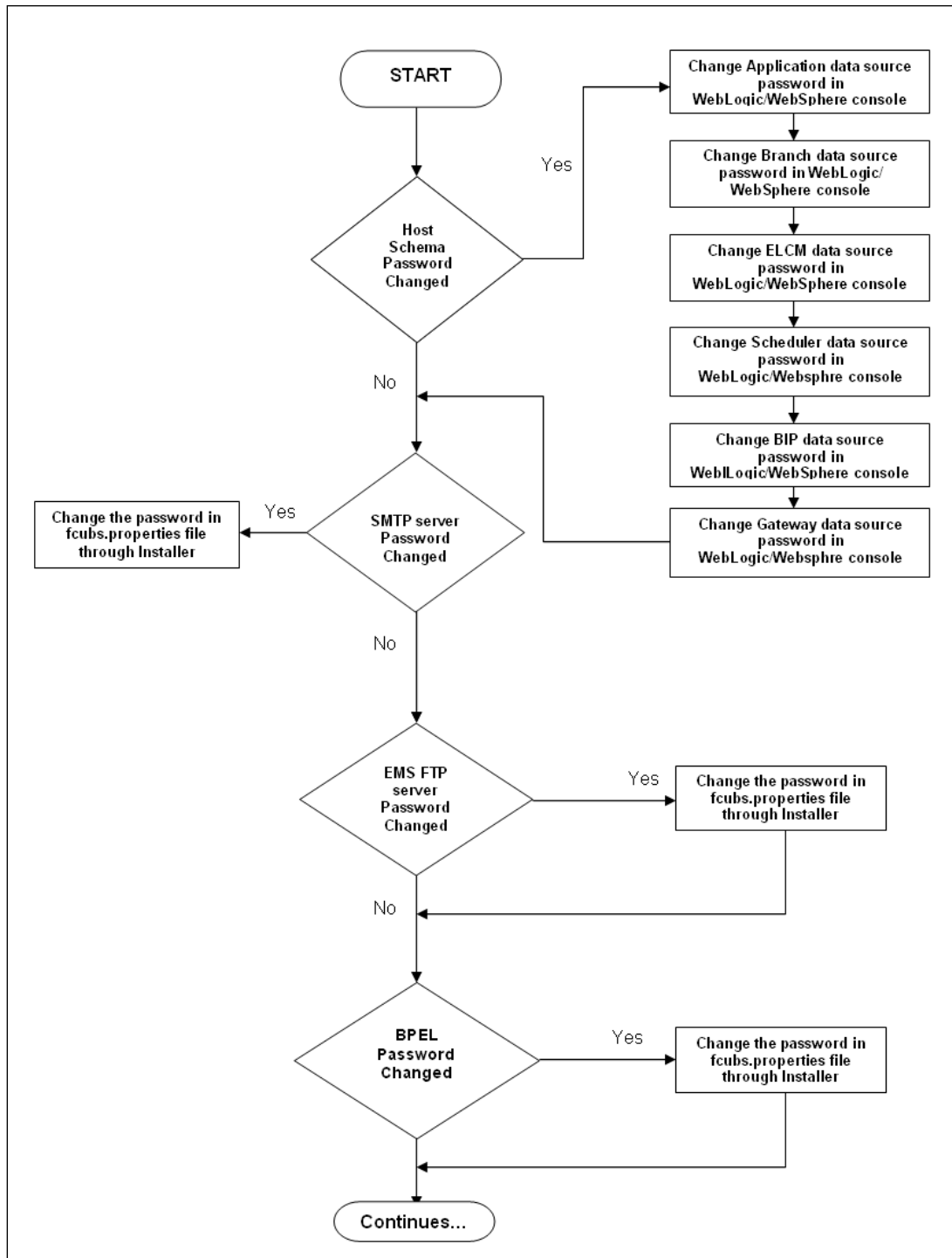
2.1 Introduction

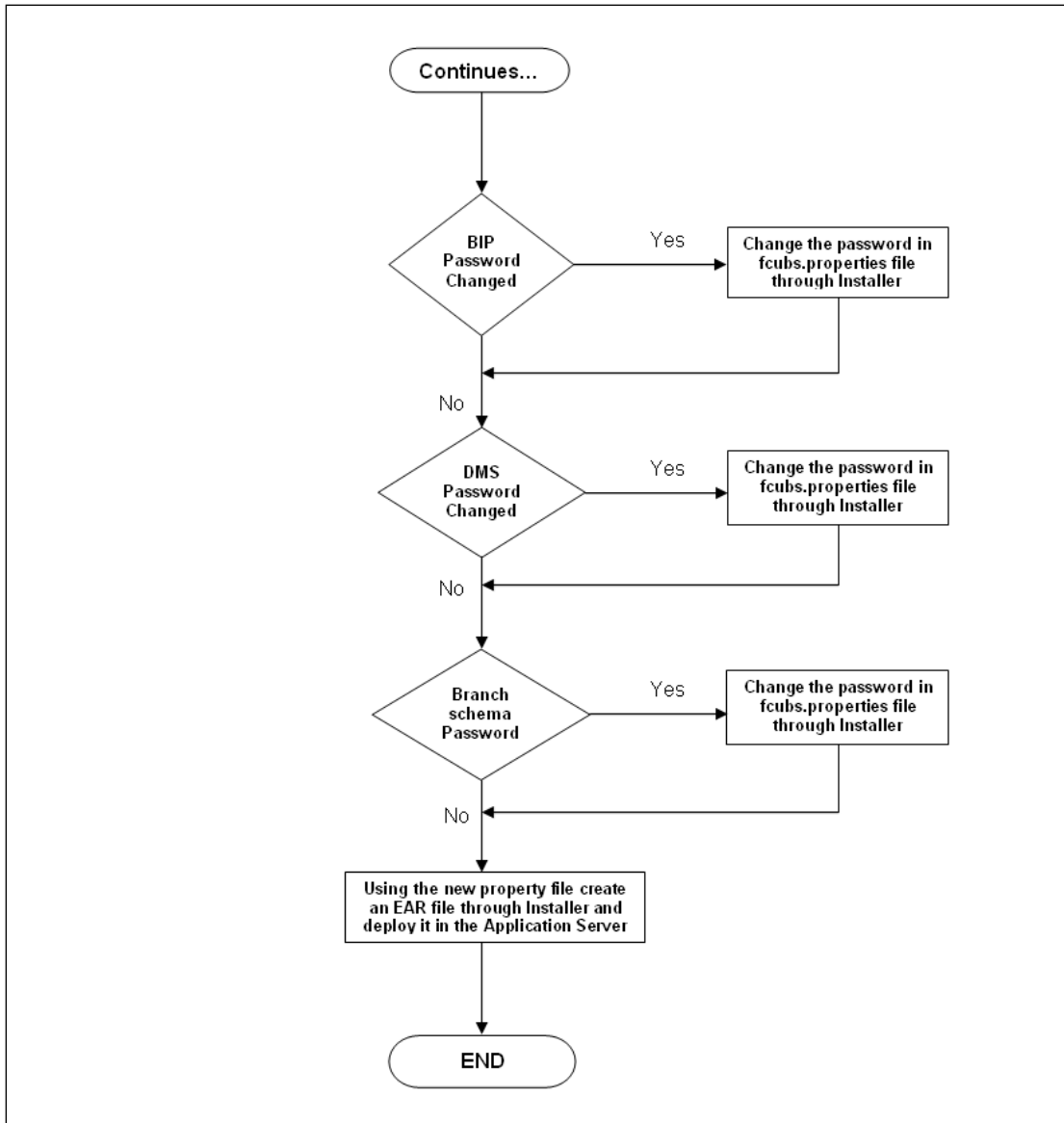
This chapter explains the process of changing the passwords of data sources associated with Oracle FLEXCUBE.

You will find the methods to change the passwords of the following components:

- Oracle FLEXCUBE Host Schema
- Scheduler Data Source
- ELCM Data Source
- Gateway Data Source
- Branch Data Source

The following diagram briefs the steps involved in changing the passwords of the above components.





3. Changing Passwords in Oracle WebLogic

3.1 Introduction

This chapter describes the method of changing data source passwords from Oracle WebLogic application server.

3.2 Changing Host Schema Password

This section explains the method to change the password of Oracle FLEXCUBE Host schema.

If you change the host schema password, you also need to change the passwords of the data sources pointing to the host schema.

3.2.1 Prerequisites

Before you change and test the passwords of the data sources, ensure that the following activities are completed:

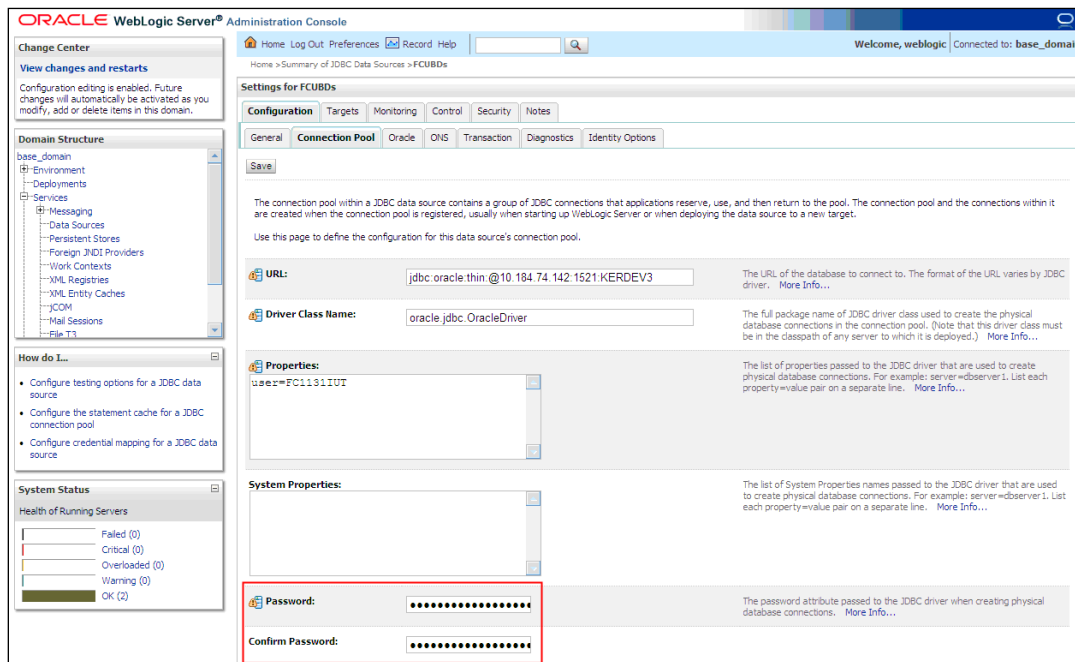
1. Determine the downtime for the password change and test activities.
2. Inform all concerned users and groups.
3. Ensure that all users have logged out of Oracle FLEXCUBE system.
4. Stop Oracle FLEXCUBE application.
5. Stop the target server to which the data sources point. To stop the target server, follow the steps below:
 - Login to Oracle WebLogic application server
 - Go to Home > Environments > Servers
 - Select and stop the server by clicking 'Stop' button.

This completes the prerequisites.

3.2.2 Changing Host Schema Password

You need to test whether the data source password change was successful. Follow the steps given below.

1. Login to Oracle WebLogic application server
2. Go to **Home > Services > Data Sources**. You will notice a table that contains the list of all data sources created in the application server.
3. Click the data source *jdbc/fcjdevDS*.
4. Select 'Connection Pool' tab.



5. Change the password. Use the following fields:

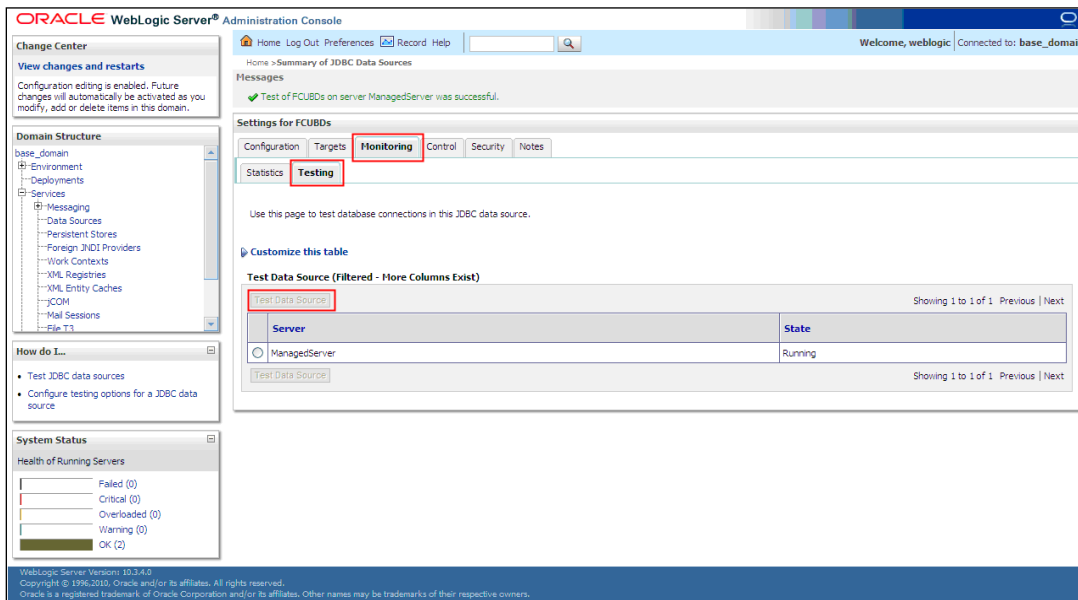
Password

Specify the new password.

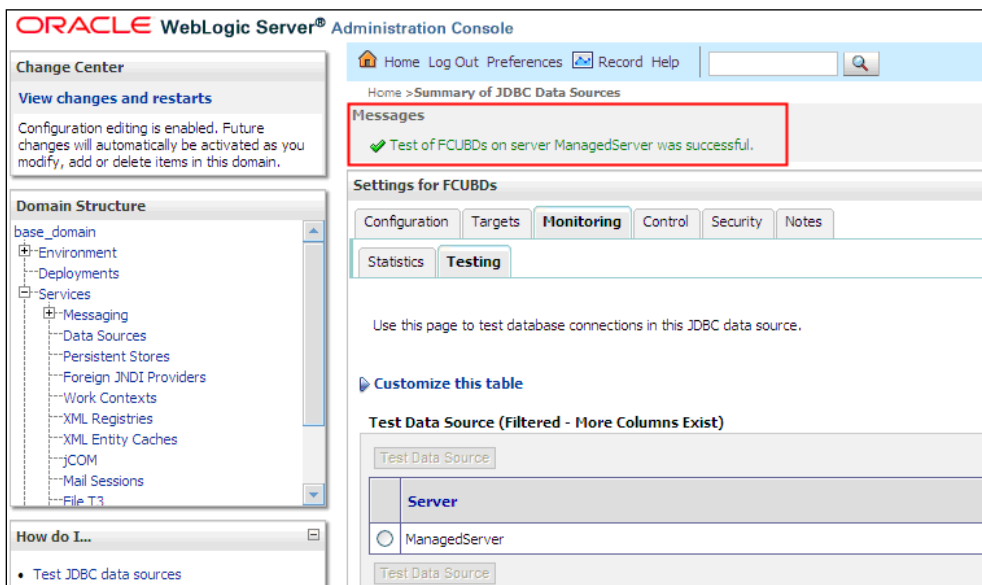
Confirm Password

Specify the new password again.

6. Click 'Save'.
7. To test the data source, select 'Monitoring' tab and select 'Testing' tab under it.



8. Select the target server and click 'Test Data Source'.
9. The screen displays a message confirming successful testing.



10. Once you get the message, restart the application server.
11. Start Oracle FLEXCUBE.
12. Log in to Oracle FLEXCUBE. Launch a summary screen or execute a simple transaction to test.



Try the above process in UAT or any other test environment before you change the password in a production environment.

Changing Password in Decentralized Setup

You need to change the branch schema password for a decentralized setup of Oracle FLEXCUBE. Follow the steps given below:

1. In Oracle FLEXCUBE Investor Servicing Installer, load the existing property file. Go to the step where you can define the branch properties.

Name	Value
Username	installer
Password	••••••••
Connect String	testdb
IP Address	10.10.10.10
Port	1521


2. You need to modify the following field:

Password

Specify the new password for the branch schema

Refer to the Installation Guide for further information on the following topics:

- *Creating EAR file*
- *Loading and editing the property file*
- *Deploying EAR file*

 Try the above process in UAT or any other test environment before you change the password in a production environment.

3.3 **Changing Scheduler Data Source Password**

After changing the host schema password, you need to change the password of scheduler data source.

3.3.1 **Prerequisites**

Before you change the password of scheduler data source, ensure that the following activities are completed:

1. Determine the down time for the password change activity.
2. Inform all concerned users and groups.
3. Ensure that all users have logged out of Oracle FLEXCUBE system.
4. Stop Oracle FLEXCUBE application.
5. Stop the target server to which the data sources point. To stop the target server, follow the steps below:
 - Login to Oracle WebLogic application server
 - Go to **Home > Environments > Servers**
 - Select and stop the server by clicking 'Stop' button.

This completes the prerequisites.

3.3.2 Changing Scheduler Data Source Password

You need to change the password of scheduler data source. Follow the steps given below.

1. Login to Oracle WebLogic application server
2. Go to **Home > Services > Data Sources**. You will notice a table that contains the list of all data sources created in the application server.
3. Click the data scheduler source *jdbc/fcjschedulerDS*.
4. Select **Connection Pool** tab.

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Domain Structure' tree with 'base_domain' expanded, showing 'Services' and 'Data Sources'. The main content area is titled 'Settings for FCUBS_SchedulerDS' and has tabs for 'Configuration', 'Targets', 'Monitoring', 'Control', 'Security', and 'Notes'. The 'Configuration' tab is active, and the 'Connection Pool' sub-tab is selected. The 'URL' field is 'jdbc:oracle:thin:@10.184.74.142:1521:KERDEV3'. The 'Driver Class Name' is 'oracle.jdbc.xa.client.OracleXADataSource'. The 'Properties' field contains 'user=FC1131IUT'. The 'System Properties' field is empty. The 'Password' and 'Confirm Password' fields are highlighted with a red box, indicating where to enter the new password.

5. Change the password. Use the following fields:

Password

Specify the new password.

Confirm Password

Specify the new password again.

6. Click 'Save'.

7. To test the data source, select 'Monitoring' tab and select 'Testing' tab under it.

The screenshot shows the Oracle WebLogic Server Administration Console. On the left is the Domain Structure tree. The main area is titled 'Settings for FCUBS_SchedulerDS' with tabs for Configuration, Targets, Monitoring, Control, Security, and Notes. The Monitoring tab is active, and within it, the Testing sub-tab is selected. A message at the top states: 'Test of FCUBS_SchedulerDS on server ManagedServer was successful.' Below this, a table titled 'Test Data Source (Filtered - More Columns Exist)' shows a single row for 'ManagedServer' with a state of 'Running'.

8. Select the target server and click 'Test Data Source'.
9. The screen displays a message confirming successful testing.

This screenshot is similar to the previous one but highlights the 'Messages' section with a red box. The message reads: 'Test of FCUBS_SchedulerDS on server ManagedServer was successful.' The 'Testing' sub-tab is also highlighted with a red box. The table below it shows the 'ManagedServer' entry.

You need to change the branch schema password after the above steps. Refer to the section 'Changing Password in Decentralized Setup' for information on changing the branch schema password from Oracle FLEXCUBE Investor Servicing Installer.

STOP Try the above process in UAT or any other test environment before you change the password in a production environment.

3.4 **Changing Gateway Data Source Password**

If you change the host schema password, you also need to change the gateway password.

3.4.1 **Prerequisites**

Before you change the gateway password, ensure that the following activities are completed:

1. Determine the down time for the password change activity.
2. Inform all concerned users and groups.
3. Ensure that all users have logged out of Oracle FLEXCUBE system.
4. Stop Oracle FLEXCUBE application.
5. Stop the target server to which the data sources point. To stop the target server, follow the steps below:
 - Login to Oracle WebLogic application server
 - Go to Home > Environments > Servers
 - Select and stop the server by clicking 'Stop' button.

This completes the prerequisites.

3.4.2 Changing Gateway Data Source Password

You need to change the password of Gateway data source. Follow the steps given below.

1. Login to Oracle WebLogic application server
2. Go to Home > Services > Data Sources. You will notice a table that contains the list of all data sources created in the application server.
3. Select Gateway data source (*FLEXTEST.WORLD*).
4. Select 'Connection Pool' tab.

The screenshot shows the Oracle WebLogic Administration Console interface. On the left, there is a 'Domain Structure' tree with 'Data Sources' expanded. Below it, a 'How to...' section lists tasks like configuring testing options, statement cache, and credential mapping. A 'System Status' section shows the health of running servers. The main area is the 'Configuration' page for a 'Connection Pool'. It includes fields for 'URL' (jdbc:oracle:thin:@10.10.10.10:1010:KERDEV3), 'Driver Class Name' (oracle.jdbc.xa.client:OracleXADataSource), 'Properties' (user=FC11S1IUT), and 'System Properties'. The 'Password' and 'Confirm Password' fields are highlighted with a red rectangle. Below these are 'Initial Capacity' (1) and 'Maximum Capacity' (15) fields. A 'Capacity Threshold' field is partially visible at the bottom.

5. Change the password. Use the following fields:

Password

Specify the new password

Confirm Password

Specify the new password again

6. Click 'Save'.
7. To test the data source, select 'Monitoring' tab and select 'Testing tab' under it.
8. Select the target server and click 'Test Data Source'.
9. The screen displays a message confirming successful testing.

The screenshot shows the Oracle WebLogic Server Administration Console. The breadcrumb trail indicates the path: Home > Summary of JDBC Data Sources > FCUBS_SchedulerDS > Summary of JDBC Data Sources > FCUBS_ELCMDs > Summary of JDBC Data Sources > Sources > FLEXTTEST.WORLD > Summary of JDBC Data Sources > FLEXTTEST.WORLD. The 'Messages' section displays a green checkmark and the text: 'Test of FLEXTTEST.WORLD on server ManagedServer was successful.' The 'Settings for FLEXTTEST.WORLD' section has tabs for Configuration, Targets, Monitoring, Control, Security, and Notes. The 'Monitoring' tab is selected, and within it, the 'Testing' sub-tab is active. A message states: 'Use this page to test database connections in this JDBC data source.' Below this, there is a link 'Customize this table' and a section titled 'Test Data Source (Filtered - More Columns Exist)'. This section contains a table with two columns: 'Server' and 'State'. The table has one row with 'ManagedServer' in the 'Server' column and 'Running' in the 'State' column. A 'Test Data Source' button is located below the table.

10. Once you get the message, restart the application server.
11. Start Oracle FLEXCUBE. Log in to Oracle FLEXCUBE and test whether the change was successful.



Try the above process in UAT or any other test environment before you change the password in a production environment.

4. Changing Passwords in IBM Websphere

4.1 Introduction

This chapter describes the methods of changing passwords of data sources from IBM Websphere application server.

4.2 Changing Host Schema Password

This section explains the method to change the password of Oracle FLEXCUBE Host schema in IBM Websphere application server. If you change the host schema password, you also need to change the passwords of the data sources pointing to the host schema.

4.2.1 Prerequisites

Before you change and test the passwords of the data sources, ensure that the following activities are completed:

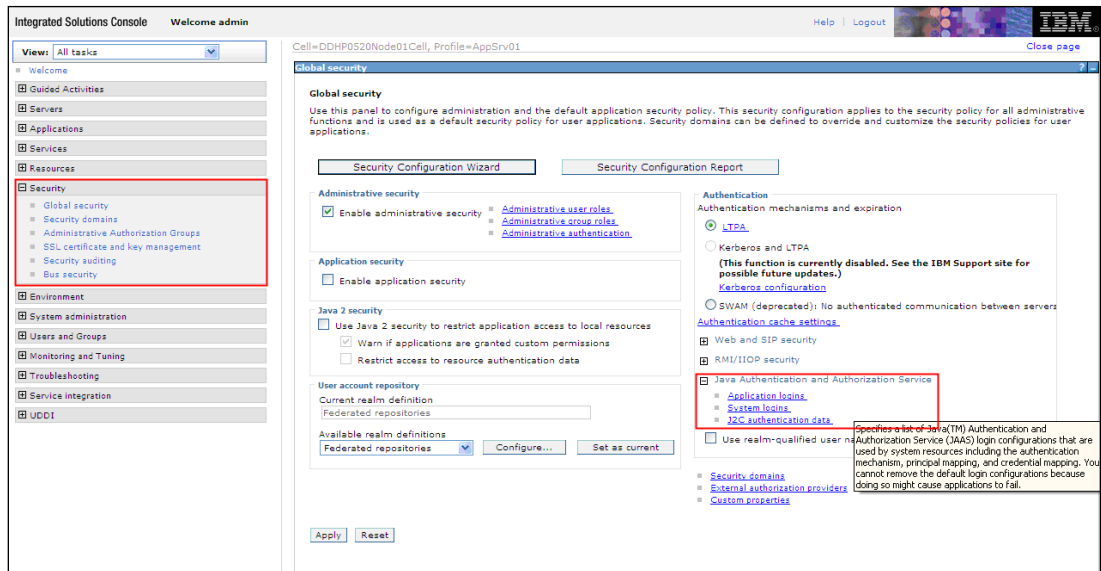
1. Determine the downtime for the password change and test activities
2. Inform all concerned users and groups
3. Ensure that all users have logged out of Oracle FLEXCUBE system
4. Stop the target server to which the data sources point.
5. Stop Oracle FLEXCUBE application

This completes the prerequisites.

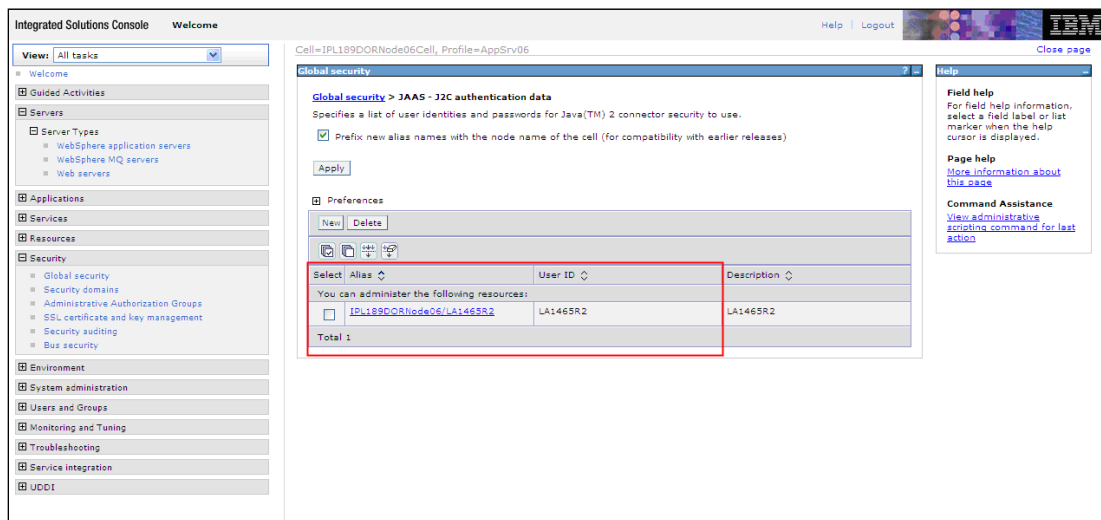
4.2.2 Changing Host Schema Password

You need to change the password of Host Schema data source. Follow the steps given below.

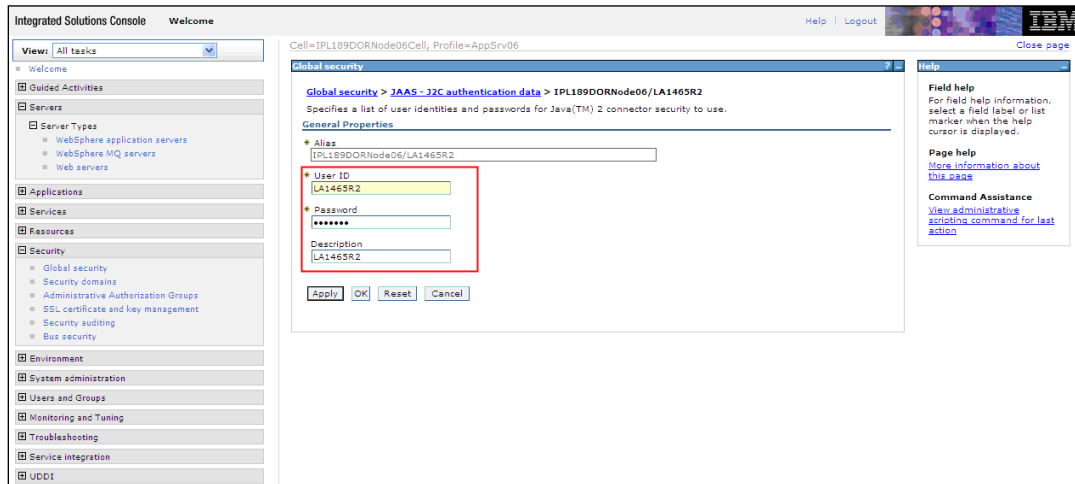
1. Login to IBM Websphere application server



2. Go to Security > Global Security > Java Authentication and Authorization Schema > J2C Authentication Data.



3. You will notice a table showing the list of JDBC sources. Choose the node used by host schema data source.



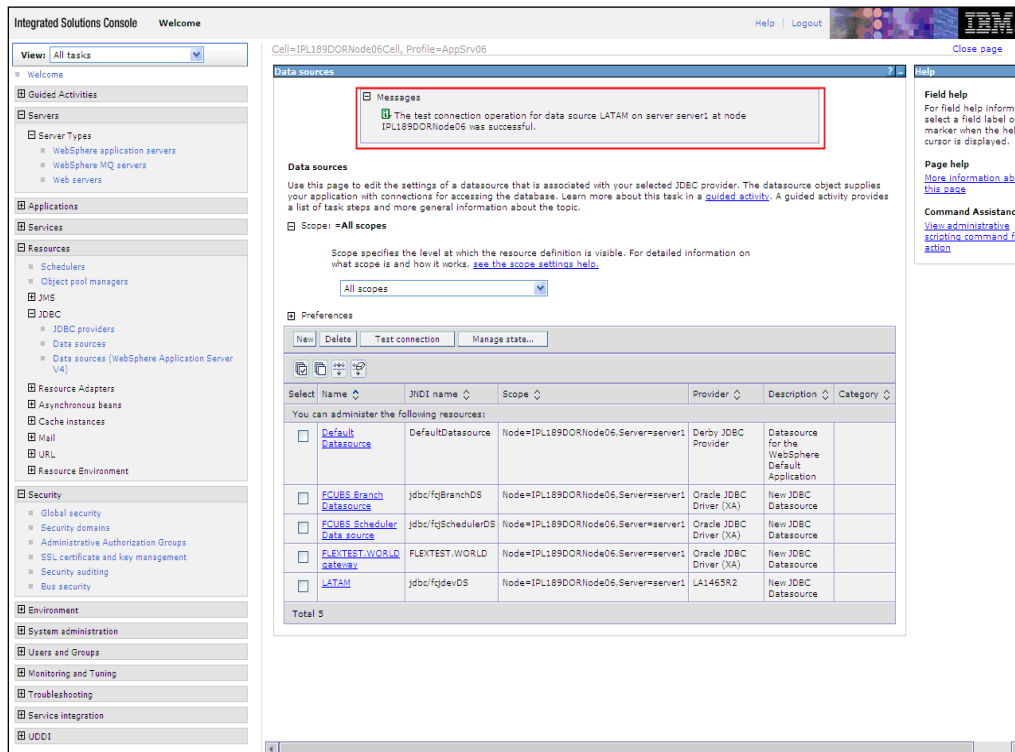
4. Specify the new password and click 'Apply' button. Click 'OK'.

4.2.3 Testing Host Schema Password Change

You need to test whether the data source password change was successful. Follow the steps given below.

1. Login to IBM Websphere application server
2. Go to Home > Resources > JDBC >Data Sources. You will notice a table that contains the list of all data sources created in the application server.
3. Select the data source *jdbcfcjdevDS*.
4. Select 'Test Connection' tab.

5. The screen displays a message confirming successful testing.



6. Once you get the message, restart the application server.

7. Start Oracle FLEXCUBE. Log in and test whether the change was successful.



Try the above process in UAT or any other test environment before you change the password in a production environment.

4.3 Changing Scheduler Data Source Password

After changing the host schema password, you need to change the password of scheduler data source.

4.3.1 Prerequisites

Before you change the password of scheduler data source, ensure that the following activities are completed:

1. Determine the down time for the password change activity.
2. Inform all concerned users and groups.
3. Ensure that all users have logged out of Oracle FLEXCUBE system.
4. Stop Oracle FLEXCUBE application.
5. Stop the target server to which the data sources point.

This completes the prerequisites.

4.3.2 Changing Scheduler Data Source Password

You need to change the password of Host Schema data source. Follow the steps given below.

1. Login to IBM Websphere application server

Integrated Solutions Console Welcome admin

Cell=DDHP0520Node01Cell, Profile=AppSrv01

Global security

Use this panel to configure administration and the default application security policy. This security configuration applies to the security policy for all administrative functions and is used as a default security policy for user applications. Security domains can be defined to override and customize the security policies for user applications.

Security Configuration Wizard Security Configuration Report

Administrative security

☒ Enable administrative security

Application security

☐ Enable application security

Java 2 security

☐ Use Java 2 security to restrict application access to local resources

User account repository

Current realm definition

Federated repositories

Available realm definitions

Federated repositories

Configure... Set as current

Apply Reset

Authentication

Authentication mechanisms and expiration

☒ LTPA

☐ Kerberos and LTPA

☐ SWAM (deprecated): No authenticated communication between servers

Web and SIP security

RMI/IIOP security

Java Authentication and Authorization Service

☒ Application logins

☒ System logins

☒ J2C authentication data

Use realm-qualified user names

Security domains

External authorization providers

Custom properties

Specify a list of Java(TM) Authentication and Authorization Service (JAAS) login configurations that are used by system resources including the authentication mechanism, principal mapping, and credential mapping. You cannot remove the default login configurations because doing so might cause applications to fail.

2. Go to Security > Global Security > Java Authentication and Authorization Schema > J2C Authentication Data.

Integrated Solutions Console Welcome

Cell=IPL189DORNode06Cell, Profile=AppSrv06

Global security

Global security > JAAS - J2C authentication data

Specifies a list of user identities and passwords for Java(TM) 2 connector security to use.

☒ Prefix new alias names with the node name of the cell (for compatibility with earlier releases)

Apply

Preferences

New Delete

Select Alias User ID Description

You can administer the following resources:

<input type="checkbox"/>	IPL189DORNode06/LA1465R2	LA1465R2	LA1465R2
--------------------------	--------------------------	----------	----------

Total 1

Field help

For field help information, select a field label or list marker when the help cursor is displayed.

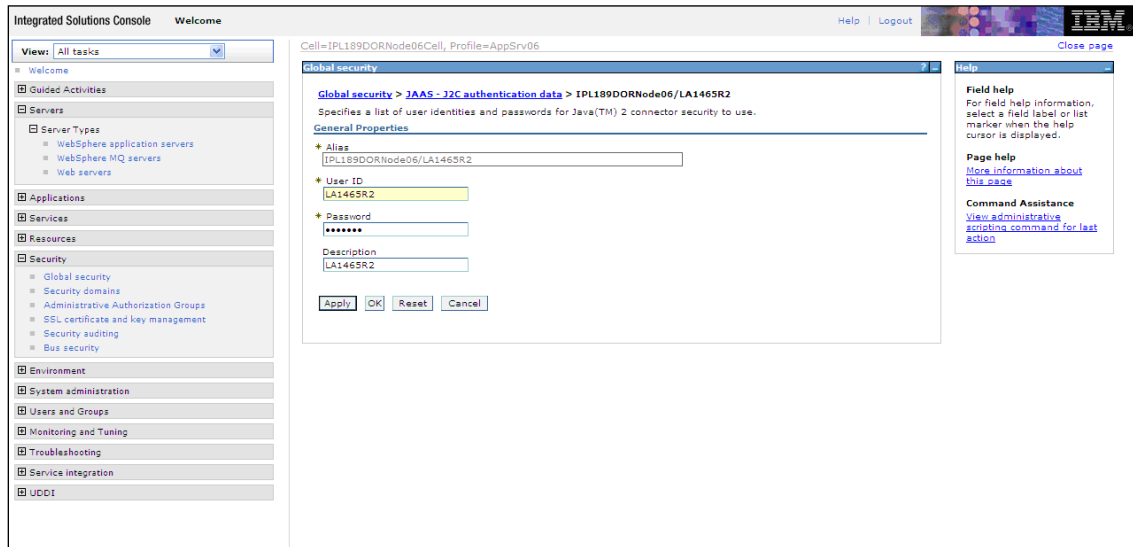
Page help

More information about this page

Command Assistance

View administrative scripting command for last action

3. You will notice a table showing list of JDBC sources choose the node which is used by Oracle FLEXCUBE application.



4. Specify the new password in the text field and click on Apply and then click on ok.

4.3.3 Testing Scheduler Data Source Password Change

You need to test whether the data source password change was successful. Follow the steps given below.

1. Login to IBM Websphere application server
2. Go to Home > Resources > JDBC>Data Sources. You will notice a table that contains the list of all data sources created in the application server.
3. Select the data source *jdbc/fcjSchedulerDS*.
4. Click 'Test connection' tab.

5. The screen displays a message confirming successful testing.

The screenshot shows the Integrated Solutions Console interface. On the left is a navigation tree with categories like Welcome, Guided Activities, Servers, Applications, Services, Resources, Resource Adapters, Security, Environment, System administration, Users and Groups, and Monitoring and Tuning. The main content area is titled 'Data sources' and shows a message box with a green checkmark stating: 'The test connection operation for data source FCUBS Scheduler Data source on server server1 at node IPL189DORNode06 was successful.' Below this, there is a 'Data sources' section with a description and a 'Scope' dropdown set to 'All scopes'. At the bottom, there is a table of data sources.

Select	Name	JNDI name	Scope	Provider	Description	Category
<input type="checkbox"/>	DefaultDataSource	DefaultDataSource	Node=IPL189DORNode06.Server=server1	Derby JDBC Provider	DataSource for the WebSphere Default Application	
<input type="checkbox"/>	FCUBS Branch DataSource	jdbcfqBranchDS	Node=IPL189DORNode06.Server=server1	Oracle JDBC Driver (XA)	New JDBC DataSource	
<input type="checkbox"/>	FCUBS Scheduler Data source	jdbcfqSchedulerDS	Node=IPL189DORNode06.Server=server1	Oracle JDBC Driver (XA)	New JDBC DataSource	
<input type="checkbox"/>	FLEXTTEST.WORLD gateway	FLEXTTEST.WORLD	Node=IPL189DORNode06.Server=server1	Oracle JDBC Driver (XA)	New JDBC DataSource	
<input type="checkbox"/>	LATAM	jdbcfqdevDS	Node=IPL189DORNode06.Server=server1	LA1465R2	New JDBC DataSource	
Total 5						

6. Once you get the message, restart the application server.

7. Start Oracle FLEXCUBE. Log in and test whether the change was successful.



Try the above process in UAT or any other test environment before you change the password in a production environment.

4.4 Changing Gateway Password

If you change the host schema password, you also need to change the gateway password.

4.4.1 Prerequisites

Before you change the password of scheduler data source, ensure that the following activities are completed:

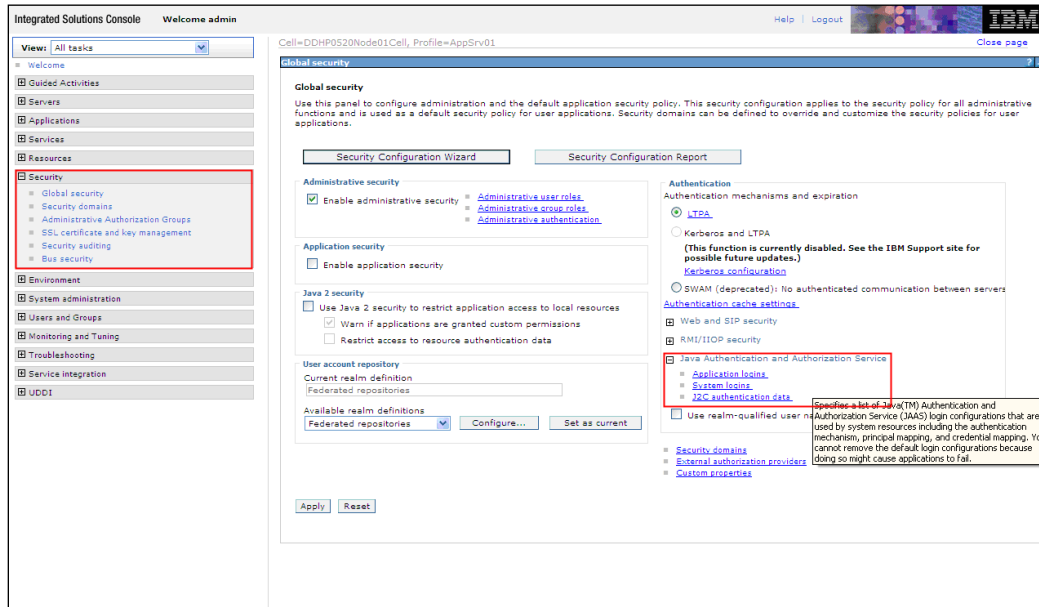
1. Determine the down time for the password change activity.
2. Inform all concerned users and groups.
3. Stop the target server to which the data sources point.
4. Ensure that all users have logged out of Oracle FLEXCUBE system
5. Stop Oracle FLEXCUBE application

This completes the prerequisites.

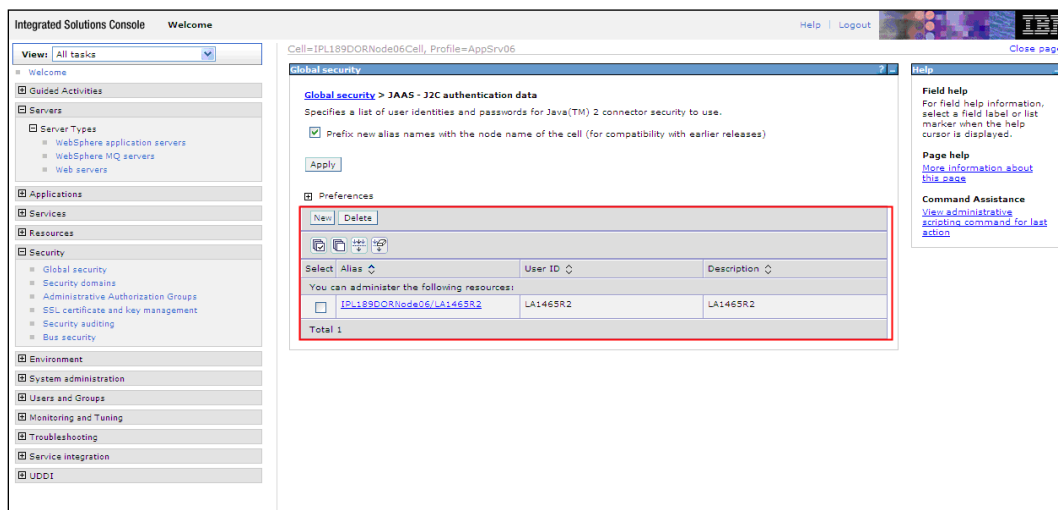
4.4.2 Changing Gateway Data Source Password

You need to change the password of Host Schema data source. Follow the steps given below.

1. Log in to IBM Websphere application server.
2. Go to Security > Global Security > Java Authentication and Authorization Schema > J2C Authentication Data.



3. You will notice a table showing list of JDBC Sources choose the one which is been used by Gateway data source.



4. Specify the new password in the text field and click on Apply and then click on ok.

4.4.3 Testing Gateway Data Source Password Change

You need to test whether the data source password change was successful. Follow the steps given below.

1. Log in to IBM Websphere application server.
2. Go to Home > Resources > JDBC > Data Sources. You will notice a table that contains the list of all data sources created in the application server.
3. Select the data source *FLEXTEST.WORLD*
4. Select 'Test Connection' tab.
5. The screen displays a message confirming successful testing.

Integrated Solutions Console Welcome

Cell=IPL189DORNode06Cell, Profile=AppSrv06

Messages

The test connection operation for data source FLEXTEST.WORLD gateway on server server1 at node IPL189DORNode06 was successful.

Data sources

Use this page to edit the settings of a datasource that is associated with your selected JDBC provider. The datasource object supplies your application with connections for accessing the database. Learn more about this task in a [guided activity](#). A guided activity provides a list of task steps and more general information about the topic.

Scope: All scopes

Scope specifies the level at which the resource definition is visible. For detailed information on what scope is and how it works, [see the scope settings help](#).

All scopes

Preferences

New Delete Test connection Manage state...

Select	Name	JNDI name	Scope	Provider	Description	Category
<input type="checkbox"/>	Default Datasource	DefaultDatasource	Node=IPL189DORNode06.Server=server1	Derby JDBC Provider	Datasource for the WebSphere Default Application	
<input type="checkbox"/>	FCUBE Branch Datasource	jdbc/fgBranchDS	Node=IPL189DORNode06.Server=server1	Oracle JDBC Driver (XA)	New JDBC Datasource	
<input type="checkbox"/>	FCUBE Scheduler Data source	jdbc/fgSchedulerDS	Node=IPL189DORNode06.Server=server1	Oracle JDBC Driver (XA)	New JDBC Datasource	
<input type="checkbox"/>	FLEXTEST.WORLD Datasource	FLEXTEST.WORLD	Node=IPL189DORNode06.Server=server1	Oracle JDBC Driver (XA)	New JDBC Datasource	
<input type="checkbox"/>	LATAM	jdbc/fgdevDS	Node=IPL189DORNode06.Server=server1	LA146SR2	New JDBC Datasource	

Total 5

6. Once you get the message, restart the application server.
7. Start Oracle FLEXCUBE. Log in to Oracle FLEXCUBE and test whether the change was successful.



Try the above process in UAT or any other test environment before you change the password in a production environment.



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