Oracle FLEXCUBE Password Change Oracle FLEXCUBE Investor Servicing Release 14.5.1.0.0 [September] [2021]

FINANCIAL SERVICES

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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	About this Manual 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	Changing Passwords in Oracle WebLogic describes the method of changing data source passwords from Oracle WebLogic application server.
Chapter 4	Changing Passwords in IBM Websphere describes the method of changing data source passwords from IBM Websphere application server.
Chapter 5	Server Password Change 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

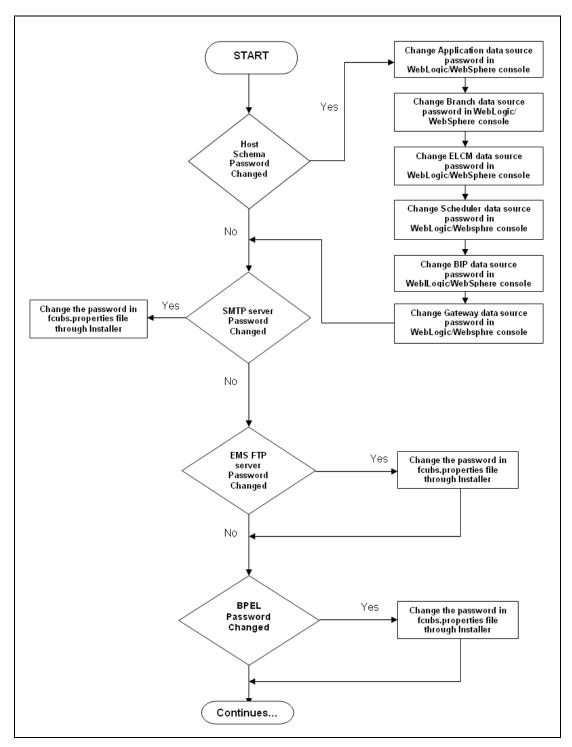
### 2.1 Introduction

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:

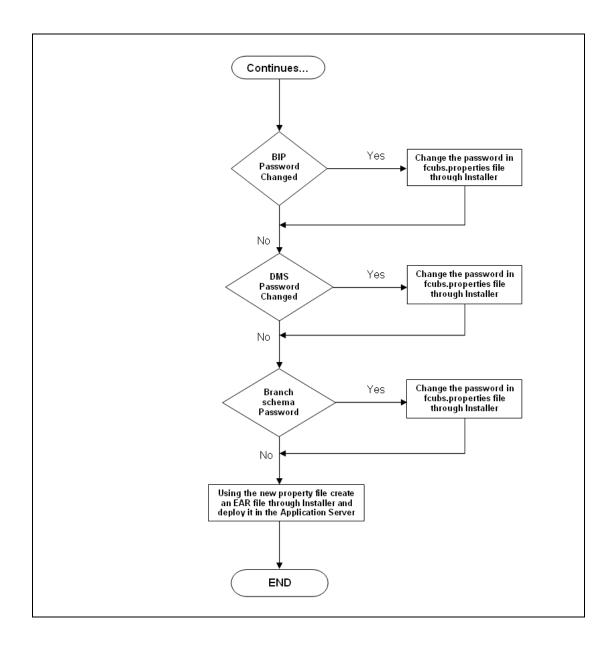
- Oracle FLEXCUBE Host Schema
- Scheduler Data Source
- ELCM Data Source
- BI Publisher Data Source
- Gateway Data Source
- Branch Data Source





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.



### 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.

ORACLE WebLogic Server® Administration Console											
Change Center		Out Preference	s 🔤 Reco	rd Help			Welcome, weblogic Connected to: base_domain				
View changes and restarts	Home Log Out Preferences Record Help     Welcome, weblogic Connectes Home >Summary of JDBC Data Sources >FCUBDs										
Configuration editing is enabled. Future	Settings for FCUBDs										
changes will automatically be activated as you modify, add or delete items in this domain.	Configuratio	on Targets	Monitoring	Contro	Security						
	General C	onnection Pool	- Overla	ONE	Transaction	Discussion	Identity Options				
Domain Structure base domain	General C	onnection Pool	Uracie	UNS	Transaction	Diagnostics	Identity Options				
Base_contain	Save	Save									
Deployments											
Interstation → Messaging											
Data Sources	Use this pag	e to define the co	onfiguration	for this d	ata source's c	onnection poo	L				
Foreign JNDI Providers											
Work Contexts	街 URL:		idb	c:oracle	e:thin:@10.1	84.74.142:	521:KERDEV3		The URL of the database to connect to. The format of the URL varies by JDBC		
XML Entity Caches									Welcome, weblogic Connected to: base_domain , and then return to the pool. The connection pool and the connections within it e data source to a new target.		
	dig Driver Class Name: orac			cle.jdbo	.OracleDriv	er					
File T3									database connections in the connection pool. (Note that this driver class must be in the classpath of any server to which it is deployed.) More Info		
How do I	do I   The list of properties:  The list of properties passed to the JDBC driver that are used to						The list of properties passed to the IDBC driver that are used to create				
Configure testing options for a JDBC data     source	user=FC1								physical database connections. For example: server=dbserver1. List each		
Configure the statement cache for a JDBC connection pool											
<ul> <li>Configure credential mapping for a JDBC data source</li> </ul>						~					
System Status	System Pro	operties:									
Health of Running Servers						<u> </u>					
Faled (0)											
Critical (0)											
Overloaded (0)											
0K (2)	Warning (0) OK (2) @Password:										
									database connections. More into		
	Confirm Pas	ssword:	••	•••••	•••••	••					

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.

Change Center	🔒 Home Log Out Preferences 🖂 Record Help	Welcome, weblogic Connected to: base_dom						
View changes and restarts	Home >Summary of JDBC Data Sources							
Configuration editing is enabled. Future Hessages Very function editing is enabled. Future Very								
modify, add or delete items in this domain.	Settings for FCUBDs							
Domain Structure								
pase domain	Configuration Targets Monitoring Control Security Notes							
Environment Deployments	Statistics Testing							
Services     Messaging     Data Sources     Persistent Stores	Use this page to test database connections in this JDBC data source.							
Foreign JNDI Providers Work Contexts	Customize this table							
XML Registries XML Entity Caches jCOM	Test Data Source (Filtered - More Columns Exist)	Showing 1 to 1 of 1 Previous   Next						
Mail Sessions	Server	State						
How do I	ManagedServer F	Running						
Test JDBC data sources	Test Data Source	Showing 1 to 1 of 1 Previous   Next						
Configure testing options for a JDBC data     source								
System Status	j							
Health of Running Servers								
Faled (0)								
Critical (0)								
Overloaded (0)								
Warning (0) OK (2)								
UK (2)								

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

ORACLE WebLogic Server® Administration Console								
Change Center	🔒 Home Log Out Preferences 🔤 Record Help							
View changes and restarts	Home >Summary of JDBC Data Sources							
Configuration editing is enabled. Future	Messages							
changes will automatically be activated as you modify, add or delete items in this domain.	Test of FCUBDs on server ManagedServer was successful.							
	Settings for FCUBDs							
Domain Structure								
base_domain	Configuration Targets Monitoring Control Security Notes							
Environment	Statistics Testing							
Deployments	Statistics resting							
⊡-Services								
MessagingData Sources	Use this page to test database connections in this JDBC data source.							
Persistent Stores								
Foreign JNDI Providers	Customize this table							
Work Contexts	P Customize this table							
XML Registries	Test Data Source (Filtered - More Columns Exist)							
XML Entity Caches								
jCOM	Test Data Source							
Mail SessionsFile T3	Server							
	Server							
How do I 🗉	ManagedServer							
Test JDBC data sources	Test Data Source							

- 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.



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.

tor Servicing	
	ORACLE'
Value	
installer	
•••••	
testdb	
10.10.10.10	
1521	
Back	Next Exit
	installer ••••••••••••••••••••••••••••••••••••

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



# 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.



### 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.

	dministratio	on Console							0	
Change Center 🕜 Home Log Out Preferences 🖉 Record Help								Welcome, weblogic Connected to: base_domai		
View changes and restarts Home >Summary of JDBC Data Sources >FCUBS_SchedulerDS										
Configuration editing is enabled. Future	Settings for FCUBS_SchedulerDS									
changes will automatically be activated as you modify, add or delete items in this domain.	Configura	tion Targets N	Ionitoring	Control	Security	Notes				
Domain Structure	General	Connection Pool	Oracle	ONS T	ransaction	Diagnostics	Identity Options			
base_domain  -Environment  -Deployments	Save									
Services     Bervices     Data Sources    Persistent Stores	are create		tion pool is re	egistered,	usually whe	n starting up	WebLogic Server or w		, and then return to the pool. The connection pool and the connections within it e data source to a new target.	
Foreign JNDI ProvidersWork ContextsXML RegistriesXML Entity Caches	街 URL:		jdbc	c:oracle:t	thin:@10.1	184.74.142:	1521:KERDEV3		The URL of the database to connect to. The format of the URL varies by JDBC driver. More Info	
database connections in the connection					The full package name of JDBC driver class used to create the physical database connections in the connection pool. (Note that this driver class must be in the classpath of any server to which it is deployed.) More Info					
How do I   • Configure testing options for a JDBC data source	B Properties: user=FCl13IUT					The list of properties passed to the JDBC driver that are used to create physical database connections. For example: server =dbserver1. List each property=value pair on a separate line. More Info				
Configure the statement cache for a JDBC connection pool     Configure credential mapping for a JDBC data	connection pool									
source										
System Status  Health of Running Servers	System P	roperties:				-			The list of System Properties names passed to the JDBC driver that are used to create physical database connections. For example: server=dbserver1. List each property=value pair on a separate line. More Info	
Felied (0)           Critical (0)           Overladded (0)           Warning (0)										
OK (2)	街 Passw	vord:	•••	•••••	•••••	••			The password attribute passed to the JDBC driver when creating physical database connections. More Info	
	Confirm P	assword:	•••	•••••	•••••	••				

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.

ORACLE WebLogic Server®	Administration Console	0
Change Center	🔒 Home Log Out Preferences 🖾 Record Help	Welcome, weblogic Connected to: base_domain
View changes and restarts Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Hone » Summary of JDBC Data Sources Messages w <sup>1</sup> Test of FCUBS_SchedulerDS on server ManagedServer was successful. Settings for FCUBS_SchedulerDS	
Domain Structure         base_domain         A           Image: Structure Structure         Image: Structure Structure         A           Image: Structure Structure         Image: Structure Structure         A           Image: Structure Structure         Image: Structure Structure         A           Image: Structure Structure Structure         Image: Structure Structure Structure         Image: Structure Structure Structure           Image: Structure Struct	Configuration Targets Monitoring Control Security Notes Statistics Testing Use this page to test database connections in this JDBC data source.  Customize this table Test Data Source (Filtered - Hore Columns Exist)	
XML Entity Caches jCOM Mail Sessions File T3	Test Data Source	Showing 1 to 1 of 1 Previous   Next State
How do I 🖂	ManagedServer	Running
Test JDBC data sources     Configure testing options for a JDBC data source	TestOata Source	Showing 1 to 1 of 1 Previous   Next
System Status         Image: Control (0)           Failed (0)         Failed (0)           Overloaded (0)         Overloaded (0)           Warming (0)         OK (2)		

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

ORACLE WebLogic Server® Administration Console							
Change Center	🔒 Home Log Out Preferences 🖂 Record Help						
View changes and restarts Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Home >Summary of JDBC Data Sources Messages  Test of FCUBS_SchedulerDS on server ManagedServer was successful.  Settings for FCUBS_SchedulerDS						
base_domain	Configuration Targets Monitoring Control Security Notes						
-Environment    Deployments	Statistics Testing						
-Services     -Thessaging    Data Sources    Persistent Stores    Foreign JINDI Providers    Work Contexts	Use this page to test database connections in this JDBC data source.						
XML Registries	Test Data Source (Filtered - More Columns Exist)						
XML Entity Caches jCOM	Test Data Source						
	Server						
How do I	O ManagedServer						
Test JDBC data sources	Test Data Source						

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.



# 3.4 Changing BI Publisher Data Source Password

You need to change the password of the BI Publisher data source.

#### 3.4.1 Prerequisites

Before you change the password of BI Publisher 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:
- 6. Login to Oracle WebLogic application server
- 7. Go to Home > Environments > Servers
- 8. Select and stop the server and clicking 'Stop' button.
- 9. This completes the prerequisites.



### 3.4.2 Changing BI Publisher Data Source Password

To change the BI Publisher data source password, follow the steps given below:

- 1. Log in to BI Publisher server.
- 2. Go to Admin > JDBC > Update Data Source.

<b>ORACLE</b> BI Publisher Enterprise	Welcome, administrator Preferences Sign Out Help
Reports Schedules Admin	
Admin > JDBC > Update Data Source: Oracle BI EE	
Update Data Source: Oracle BI EE	
	Cancel Apply
General	
✓TIP Please make sure to install the required JDBC driver classes.	
Data Source Name	Oracle BI EE
* Driver Type	Oracle BI Server
* Database Driver Class	oracle.bl.jdbc.AnaJdbcDriver
* Connection String	(Example: oracle.jdbc.OracleDriver )
connection String	jdbc:oraclebi://HOST:PORT/
	$\checkmark$
* Username	Administrator
Password	•••••
Pre Process Function	
Post Process Function	
	Use Proxy Authentication
	Test Connection
Security	
	Available Roles Allowed Roles
	Move
	Move All Q
	Remove
	Remove All

- 3. Choose the data source whose password needs to be modified.
- 4. Modify the following field:

#### Password

Specify the new password.

- 5. Click 'Apply' button.
- 6. Restart the application server.
- 7. Start Oracle FLEXCUBE.
- 8. Log in to Oracle FLEXCUBE. Generate a sample report to test.



## 3.5 <u>Changing Oracle Business Intelligence Enterprize</u> <u>Edition Schema Password</u>

You need to change the password of the Oracle Business Intelligence Enterprize Edition (OBIEE) data sources.

### 3.5.1 Prerequisites

Before you change the password of BI Publisher 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.



### 3.5.2 Changing BI Publisher Data Source Password

To change the OBIEE data source password, follow the steps given below:

- 1. Login in to OBIEE Administrative console.
- 2. Go to Database created > Connection Pool. You will get 'Connection Pool' window.

Presentation	Business Redel and Mapping	Physical
# GC         # GC <t< td=""><td>Sec      Si      Si</td><td>Image: Constant Pool           Image: Constant Pool</td></t<>	Sec      Si      Si	Image: Constant Pool           Image: Constant Pool

- 3. Change the password. You will be prompted to re-enter the password. Click 'OK'.
- 4. Restart the application server.
- 5. Start Oracle FLEXCUBE.
- 6. Log in to Oracle FLEXCUBE. Generate a sample report to test.



# 3.6 Changing Gateway Data Source Password

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

#### 3.6.1 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.



### 3.6.2 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.

modity, add or delete items in this domain.	Configuration Target	Monitoring	Control	Security	Notes		
Domain Structure	General Connection	ool Orade	ONS	Transaction	Diagnostics	Identity Options	s
base_domain	Save						
Hessaging     Data Sources     Persistent Stores     Foreign JNDI Providers     Work Contexts		nnection pool is	registered	, usually whe	n starting up V	/ebLogic Server or wh	ations reserve, use, and then return to the pool. The connection pool and the connections within it when deploying the data source to a new target.
XML Registries	僓 URL:	jd	bc:oracle	:thin:@10.	10.10.10:10	0:KERDEV3	The URL of the database to connect to. The format of the URL varies by JDBC driver. More Info
Mail Sessions	🅞 Driver Class Name:	or	acle.jdbc	.xa.client.(	)racleXADat	aSource	The full package name of JDBC driver class used to create the physical database connections in the connection pool. (Note that this driver class must be in the classpath of any server to which it is deployed.) More Info
How do I 🖃	1 Properties:						The list of properties passed to the JDBC driver that are used to create
Configure testing options for a JDBC data source	user=FC1131IUT						physical database connections. For example: server=dbserver1. List each property=value pair on a separate ine. More Info
<ul> <li>Configure the statement cache for a JDBC connection pool</li> </ul>							
Configure credential mapping for a JDBC data source					V		
System Status	System Properties:						The list of System Properties names passed to the JDBC driver that are used
Health of Running Servers	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				4		to create physical database connections. For example: server #dbserver1. List each property=value pair on a separate line. More Info
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)							
OK (2)	👘 Password:	•	•••••	•••••	••		The password attribute passed to the JDBC driver when creating physical database connections. More Info
	Confirm Password:	•	•••••	•••••	••		
	Initial Capacity:	1					The number of physical connections to create when creating the connection pool. More info
	Maximum Capacity:	16	5				The maximum number of physical connections that this connection pool can contain. More Info
	Canacity Increments						The sumber of connections created when new connections are added to the

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.

ORACLE WebLogic Server® Administration Console						
Change Center	🔒 Home Log Out Preferences 🔤 Record Help					
View changes and restarts	Home >Summary of JDBC Data Sources >FCUBS_SchedulerDS >Summary of JDBC Data Sources >FCUBS_ELCMDs >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JDBC Data Sources >FLEXTEST.WORLD					
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Messages  Vest of FLEXTEST.WORLD on server ManagedServer was successful.					
Domain Structure	Settings for FLEXTEST.WORLD					
base_domain	Configuration Targets Monitoring Control Security Notes					
Deployments Services	Statistics Testing					
-MessagingData SourcesPersistent StoresForeign JNDI Providers	Use this page to test database connections in this JDBC data source.					
Work Contexts XML Registries	Customize this table					
	Test Data Source (Filtered - More Columns Exist)					
Mail Sessions	Test Data Source					
How do I	Server	State				
	O ManagedServer	Running				
Test JDBC data sources	Test Data Source					
<ul> <li>Configure testing options for a JDBC data source</li> </ul>						

- 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.



# 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



### 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

Integrated Solutions Console Welcome admin		Help   Logout
integrated boldhons console welcome admin		
View: All tasks	Cell=DDHP0520Node01Cell, Profile=AppSrv01	Close page
= Welcome	Global security	2 -
Guided Activities	Global security	
Servers		ty policy. This security configuration applies to the security policy for all administrative
Applications	functions and is used as a default security policy for user applications. Secur applications.	ity domains can be defined to override and customize the security policies for user
Services		
Resources	Security Configuration Wizard Security Config	uration Report
Security Global security Security domains Administrative Authorization Groups SSL certificate and key management	Administrative security       Administrative user roles     Administrative cross roles     Administrative security     Administrative suthentication	Authentication Authentication mechanisms and expiration ( <u>ULTPA</u> ) Kenteros and LTPA
<ul> <li>Security auditing</li> <li>Bus security</li> </ul>	Application security  Enable application security	(This function is currently disabled. See the IBM Support site for possible future updates.) Kerbergs confluention
Environment		SWAM (deprecated): No authenticated communication between servers
System administration	Java 2 security Use Java 2 security to restrict application access to local resources	Authentication cache settings
H Users and Groups	Warn if applications are granted custom permissions	Web and SIP security
H Monitoring and Tuning	Restrict access to resource authentication data	RMI/IIOP security
■ Troubleshooting	User account repository	Java Authentication and Authorization Service
E Service integration	Current realm definition	= Application logins
II UDDI	Federated repositories	= System logins = J2C authentication data
	Available realm definitions Federated repositories V Configure Set as current	
	Apply Reset	

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

Integrated Solutions Console Welcome			Help   Logout	
View: All tasks	Cell=IPL189DORNode06Cell, Profile=AppSrv0	6		Close page
= Welcome	Global security		2 -	Help _
Guided Activities	Global security > JAAS - J2C authentication	n data		Field help
Servers	Specifies a list of user identities and passw		use.	For field help information, select a field label or list
Server Types WebSphere application servers	Prefix new alias names with the node r	ame of the cell (for compatibility with ea	arlier releases)	marker when the help cursor is displayed.
<ul> <li>WebSphere MQ servers</li> <li>Web servers</li> </ul>	Apply			Page help More information about this page
Applications	Preferences			Command Assistance
Services	New Delete			View administrative scripting command for last
Resources				action
E Security			-	
= Global security	Select Alias 🗇	User ID 🗇	Description 🗇	
<ul> <li>Security domains</li> <li>Administrative Authorization Groups</li> </ul>	You can administer the following resources			
<ul> <li>SSL certificate and key management</li> </ul>	IPL189DORNode06/LA1465R2	LA1465R2	LA1465R2	
<ul> <li>Security auditing</li> <li>Bus security</li> </ul>	Total 1			
Environment				
System administration				
🖽 Users and Groups				
Monitoring and Tuning				
⊞ Troubleshooting				
Service integration				
I UDDI				



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

Integrated Solutions Console Welcome	Help	Logout
View: All tasks V = Welcome Guided Activities	Cell=IPL189DORNode06Cell, Profile=AppSrv06 Clobal security Clobal security > <u>JAAS - J2C authentication data</u> > IPL189DORNode06/LA1465R2	Close page
Servers     Servers     WebSphere application servers     WebSphere Mg Lervers     WebSpher	Specifies a list of user identities and passwords for Java(TM) 2 connector security to use.  Ceneral Properties  + Alias  [PL189DORHode06/LA1465R2  + User ID LA1465R2 + Description LA1465R2 Apply OK Reset Cencel	selects a field label or list marker when the help cursor is displayed. Page help More information about this base Command Assistance Wiew administrative arritotino sommand for list action
Security sudding     Baysecurity     Security     Security     Security     Security     Security     Josef and Turing     Troublesheating     Service Integration     UDD1		

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 *jdbc/fcjdevDS*.
- 4. Select 'Test Connection' tab.



5. The screen displays a message confirming successful testing.

Integrated Solutions Console Welcome					Help   Logout				
View: All tasks	Cell=IPL189DORNode060	Cell, Profile=AppSrv06					Close page		
Welcome	Data sources					2 -	Help		
Guided Activities		essages					Field help For field help infor		
E Servers		Interest connection operation for data source LATAM on server server1 at node IPL189DORNode06 was successful.							
E Server Types		IPLISBOOKNode06 was successful.							
<ul> <li>WebSphere application servers</li> </ul>									
<ul> <li>WebSphere MQ servers</li> <li>Web servers</li> </ul>	Data sources						Page help More information a		
<ul> <li>Web servers</li> </ul>	Use this page to edit t	he settings of a datasou	rce that is associated with your selected JD the database. Learn more about this task	BC provider. Th	e datasource obje	ct supplies	this page		
E Applications		d more general informati		and <u>quided acc</u>	ing in galace acc	ni, promoto	Command Assista		
E Services	Scope: =All scopes						View administrative		
Resources	Scope specif	ies the level at which the	resource definition is visible. For detailed i	information on			action		
= Schedulers		s and how it works, <u>see t</u>							
<ul> <li>Object pool managers</li> </ul>	All scopes		~						
⊞ JMS									
E JDBC	Preferences								
<ul> <li>JDBC providers</li> </ul>	New Delete Te:	st connection Manag	pe state						
<ul> <li>Data sources</li> <li>Data sources (WebSphere Application Server</li> </ul>									
V4)									
Resource Adapters	Select Name 🔿	JNDI name 🖒	Scope ()	Provider 🔿	Description ()	Category ()			
Asynchronous beans	You can administer ti	ne following resources:							
Cache instances	Default	DefaultDatasource	Node=IPL189DORNode06,Server=server1	Derby IDBC	Datasource				
⊞ Mail ⊞ URI	Datasource	Deraditibatabource		Provider	for the				
H URL Resource Environment					WebSphere Default				
Ed Resource Environment					Application				
Security     Global security	FCUBS Branch Datasource	jdbc/fcjBranchDS	Node=IPL189DORNode06,Server=server1	Oracle JDBC Driver (XA)	New JDBC Datasource				
Security domains     Administrative Authorization Groups	FCUBS Schedul Data source	er jdbc/fcjSchedulerDS	Node=IPL189DORNode06,Server=server1	Oracle JDBC Driver (XA)	New JDBC Datasource				
<ul> <li>SSL certificate and key management</li> <li>Security auditing</li> </ul>	ELEXTEST.WOR	LLD FLEXTEST.WORLD	Node=IPL189DORNode06,Server=server1	Oracle JDBC Driver (XA)	New JDBC Datasource				
<ul> <li>Bus security</li> </ul>		jdbc/fcjdevDS	Node=IPL189DORNode06,Server=server1	LA1465R2	New JDBC Datasource				
Environment	Total 5								
∃ System administration									
∃ Users and Groups									
Monitoring and Tuning									
∃ Troubleshooting									
E Service integration									
I UDDI									
	•								

- 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.



### 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		Help   Logout
View: All tasks	Cell=DDHP0520Node01Cell, Profile=AppSrv01	Close page
= Welcome	Global security	2 -
E Guided Activities	Global security	
E Servers		policy. This security configuration applies to the security policy for all administrative
■ Applications	functions and is used as a default security policy for user applications. Securit	ty domains can be defined to override and customize the security policies for user
E Services		
⊞ Resources	Security Configuration Wizard Security Configu	ration Report
⊟ Security		
Global security     Security domains     Administrative Authorization Groups     SSL cortificate and key management	Administrative security Enable administrative security Administrative user roles Administrative authentication.	Authentication Authentication mechanisms and expiration
<ul> <li>Security auditing</li> <li>Bus security</li> </ul>	Application security	(This function is currently disabled. See the IBM Support site for possible future updates.) Kerberos configuration
Environment	Java 2 security	SWAM (deprecated): No authenticated communication between servers
E System administration     ■	Use Java 2 security to restrict application access to local resources	Authentication cache settings
■ Users and Groups	Warn if applications are granted custom permissions	Web and SIP security
Monitoring and ⊤uning	Restrict access to resource authentication data	RMI/IIOP security
■ Troubleshooting	User account repository	Java Authentication and Authorization Service
E Service integration	Current realm definition	= Application logins
I UDDI	Federated repositories	= <u>System logins</u> = J2C authentication data
	Available realm definitions Federated repositories 💌 Configure Set as current	Specific and the second s
		Security.damains     cannot remove the default login configurations because     External authorization providers     doing so might cause applications to fail.
	Apply Reset	

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

Integrated Solutions Console Welcome			Help   Logout	
Integrated Solutions Console Welcome			Heip   Logout	
View: All tasks	Cell=IPL189DORNode06Cell, Profile=AppSrv06	5		Close page
= Welcome	Global security		2	Help –
Guided Activities	Global security > JAAS - J2C authentication	data		Field help
E Servers	Specifies a list of user identities and passwo	rds for Java(TM) 2 connector security to	use.	For field help information, select a field label or list
Server Types WebSphere application servers WebSphere MQ servers	Prefix new alias names with the node na	ame of the cell (for compatibility with ea	arlier releases)	marker when the help cursor is displayed. Page help
<ul> <li>Web servers</li> </ul>	Apply			More information about this page
Applications	Preferences			Command Assistance
E Services	New Delete			View administrative scripting command for last
Resources				action
Security				
= Global security	Select Alias 🗇	User ID 💲	Description 🗇	
<ul> <li>Security domains</li> <li>Administrative Authorization Groups</li> </ul>	You can administer the following resources:			
<ul> <li>SSL certificate and key management</li> </ul>	IPL189DORNode06/LA1465R2	LA1465R2	LA1465R2	
<ul> <li>Security auditing</li> </ul>	Total 1			
<ul> <li>Bus security</li> </ul>				
Environment				
System administration				
Users and Groups				
Monitoring and Tuning				
I Troubleshooting				
E Service integration				
E UDDI				



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

Integrated Solutions Console Welcome	Help   Logout	iem.
View: All tasks	Cell=IPL189DORNode06Cell, Profile=AppSrv06	Close page
= Welcome	Global security ? .	- Help
Guided Activities	Global security > JAAS - J2C authentication data > IPL189DORNode06/LA1465R2	Field help
E Servers	Specifies a list of user identities and passwords for Java(TM) 2 connector security to use.	For field help information, select a field label or list
Server Types	General Properties	marker when the help
<ul> <li>WebSphere application servers</li> </ul>	* Alias	cursor is displayed.
<ul> <li>WebSphere MQ servers</li> <li>Web servers</li> </ul>	IPL189DORNode06/LA1465R2	Page help More information about
Web servers	* User ID	this page
Applications	LA1465R2	Command Assistance
E Services	* Password	View administrative
E Resources	•••••	scripting command for last action
E Security	Description LA1465R2	
Global security     Security domains     Administrative Authorization Groups     SSL certificate and key management     Security auditing     Bus security	Apply OK Reset Cancel	
Environment		
System administration		
E Users and Groups		
Monitoring and Tuning		
Service integration		
E UDDI		

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.

Integrated Solutions Console Welcome						Help   Logout		IEM.
View: All tasks	Cell=IPL1	89DORNode06Cell,	Profile=AppSrv06					Close page
= Welcome	Data sou	rces					? -	Help
Guided Activities		E Messa						Field help
E Servers		The test connection operation for data source FCURS Scheduler Data source on server server.						For field help informat
E Server Types		at node IPL189DORNode06 was successful.						marker when the help
<ul> <li>WebSphere application servers</li> </ul>								cursor is displayed.
WebSphere MQ servers	Data s	ources						Page help
<ul> <li>Web servers</li> </ul>	Use th	is page to edit the :	settings of a datasou	rce that is associated with your selected JD	BC provider. Th	e datasource obje	ect supplies	More information abo this page
Applications			ections for accessing ore general informati	the database. Learn more about this task on about the topic.	in a <u>quided acti</u>	vity. A guided act	ivity provides	Command Assistance
Services	E Sco	pe: =All scopes						View administrative
E Resources		Scope specifies	the level at which the	resource definition is visible. For detailed i	information on			scripting command for action
= Schedulers				he scope settings help.	n on on			
<ul> <li>Object pool managers</li> </ul>		All scopes		*				
I JMS		All scopes						
I JDBC	E Pre	ferences						
<ul> <li>JDBC providers</li> </ul>	New	Delete Test co	onnection Mana	e state				
<ul> <li>Data sources</li> <li>Data sources (WebSphere Application Server</li> </ul>		Delete   Test co	intection   Mana					
<ul> <li>Data sources (webSphere Application Server V4)</li> </ul>		D 🕆 🖗						
🗷 Resource Adapters	Select	Name 🔿	JNDI name 🔿	Scope ①	Provider ①	Description ()	Category A	
Asynchronous beans	Yours	an administer the fi			Ť			
■ Cache instances		Default	DefaultDatasource	Node=IPL189DOBNode06.Server=server1	Deeley 10BC	Datasource		
🔁 Mail		Datasource	Deladicoatasource	Node-IPEISSDOKNOdeb6,Server-ServerI	Provider	for the		
						WebSphere		
Resource Environment						Application		
Security     Global security		FCUBS Branch Datasource	jdbc/fcjBranchDS	Node=IPL189DORNode06,Server=server1	Oracle JDBC Driver (XA)	New JDBC Datasource		
= Security domains		FCUBS Scheduler	jdbc/fcjSchedulerDS	Node=IPL189DORNode06,Server=server1	Oracle JDBC Driver (XA)	New JDBC Datasource		
= Administrative Authorization Groups								
<ul> <li>SSL certificate and key management</li> </ul>		FLEXTEST.WORLD	FLEXTEST.WORLD	Node=IPL189DORNode06,Server=server1	Oracle JDBC Driver (XA)	New JDBC Datasource		
<ul> <li>Security auditing</li> <li>Bus security</li> </ul>		LATAM	jdbc/fcjdevDS	Node=IPL189DORNode06,Server=server1	LA1465R2	New JDBC		
Environment						Datasource		
Environment     System administration	Total	5						
🗄 Users and Groups								
Monitoring and Tuning								

- 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



### 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.

Integrated Solutions Console Welcome admin		Help   Logout
View: All tasks	Cell=DDHP0520Node01Cell, Profile=AppSrv01	Close page
= Welcome	Global security	2 -
E Guided Activities	Global security	
E Servers		urity policy. This security configuration applies to the security policy for all administrative
Applications	functions and is used as a default security policy for user applications. Se	curity domains can be defined to override and customize the security policies for user
E Services	applications.	
E Services	Security Configuration Wizard Security Configuration	figuration Report
	Security Conliguration Wizard Security Con	iguration Report
Security     Global security     Security domains     Administrative Authorization Groups     SSL cortificate and key management	Administrative security  Enable administrative security  Administrative user relax  Administrative authentication  Administrative authentication	Authentication Authentication mechanisms and expiration © <u>LTDA</u> Kerberos and LTPA
Security auditing     Bus security     Environment	Application security	(This function is currently disabled. See the IBM Support site for possible future updates.) <u>Karbenos configuration</u> © SWAM (deprestated): No authenticated communication between servers
Bystem administration     Users and Groups     Monitoring and Tuning	Java 2 security Use Java 2 security to restrict application access to local resources Warn if applications are granted custom permissions Restrict access to resource authentication data	SVIAM (deprecated): No authenticated communication between servers <u>Authentication cache settings</u> We had SIP security     RMI/IIOP security
H Troubleshooting B Service integration H UDDI	User account repository Current realm definition [Federated repositories	Java Authentication and Authorization Service     Agelication locing     Submit Service     Submit Service     J2C suthentication data     Specifies a last of Java(TM) Authentication and
	Available realm definitions Federated repositories M Configure Set as current	Use realm-qualified user adubtrotation service (JAAS) login configurations that are used by system resources including the authentication mechanism, principal mapping, and cedential mapping. Ye security domains enternal subhoration providers doing so might cause applications to frail.

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

Integrated Solutions Console Welcome			Help   Logou	ut <b>State of State of State</b>
View: All tasks	Cell=IPL189DORNode06Cell, Profile=AppSr	v06		Close page
= Welcome	Global security			? – Help –
Guided Activities	Global security > JAAS - J2C authenticat	ion data		Field help
E Servers	Specifies a list of user identities and pass		or security to use.	For field help information, select a field label or list
Server Types WebSphere application servers	Prefix new alias names with the node	a name of the cell (for compar	ibility with earlier releases)	marker when the help cursor is displayed. Page help
<ul> <li>WebSphere MQ servers</li> <li>Web servers</li> </ul>	Apply			More information about this page
Applications	Preferences			Command Assistance
E Services	New Delete			View administrative scripting command for last
E Resources				action
Security				
<ul> <li>Global security</li> </ul>	Select Alias 🗢	User ID 🗘	Description 🗘	
<ul> <li>Security domains</li> <li>Administrative Authorization Groups</li> </ul>	You can administer the following resource	:es:		
<ul> <li>Administrative Authonization Groups</li> <li>SSL certificate and key management</li> </ul>	IPL189DORNode06/LA1465R2	LA1465R2	LA1465R2	
<ul> <li>Security auditing</li> </ul>	Total 1			
= Bus security				
Environment				
System administration				
Users and Groups				
Monitoring and Tuning				
Troubleshooting				
Service integration				
UDDI				

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



### 4.4.3 <u>Testing Gateway Data Source Password Change</u>

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						Help   Logout	Trate.	
View: All tasks	Cell=IPL1	89DORNode06Cell	, Profile=AppSrv06					Close page
= Welcome	Data sou	rces					2 -	Help
Guided Activities		E Mess	10es					Field help
E Servers	The test connection operation for data source FLEXTEST.WORLD gateway on server server1 at							For field help inform select a field label o
Server Types	node IPL189DORNode06 was successful.							marker when the hel
<ul> <li>WebSphere application servers</li> </ul>								cursor is displayed.
WebSphere MQ servers	Data s	ources						Page help More information abo
<ul> <li>Web servers</li> </ul>		Use this page to edit the settings of a datasource that is associated with your selected DBC provider. The datasource object supplies						
	your application with connections for accessing the database. Learn more about this task in a <u>guided activity</u> . A guided activity provides a list of task steps and more general information about the topic.							Command Assistance
E Services	Scope: =All scopes							View administrative
B Resources								scripting command for action
Schedulers	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.							
<ul> <li>Object pool managers</li> </ul>								
⊞ JMS	All scopes							
I JDBC	E Pre	ferences						
= JDBC providers								
<ul> <li>Data sources</li> <li>Data sources (WebSphere Application Server</li> </ul>	Ivew Delete Test Connection Manage state							
∨4)								
Resource Adapters	Select	Name 🛟	JNDI name 🗘	Scope 🗘	Provider 🗘	Description 🔿	Category 🔿	
Asynchronous beans	You can administer the following resources:							
Cache instances Mail		Default	DefaultDatasource	Node=IPL189DORNode06.Server=server1	Derby JDBC	Datasource		
E Mail		Datasource			Provider	for the WebSphere		
Resource Environment						Default		
						Application		
Security     Global security		ECUBS Branch Datasource	jdbc/fcjBranchDS	Node=IPL189DORNode06,Server=server1	Oracle JDBC Driver (XA)	New JDBC Datasource		
Security domains     Administrative Authorization Groups     SSL certificate and key management     Security auditing		FCUBS Scheduler Data source	jdbc/fcjSchedulerDS	Node=IPL189DORNode06,Server=server1	Oracle JDBC Driver (XA)	New JDBC Datasource		
		FLEXTEST.WORLD		Node=IPL189DORNode06,Server=server1	Driver (XA)	New JDBC Datasource		
= Bus security		LATAM	jdbc/fcjdevDS	Node=IPL189DORNode06,Server=server1	LA1465R2	New JDBC Datasource		
Environment	Total	5						
System administration								
Users and Groups								
H Monitoring and Tuning								
⊞ Troubleshooting								
Service integration								
I UDDI								
	4							

- 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.





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