ORACLE FIELD SERVICE CLOUD CONFIGURATIONS FOR ORACLE UTILITIES CUSTOMER CLOUD SERVICE INTEGRATION TO ORACLE FIELD SERVICE CLOUD

(ALSO APPLICABLE TO ORACLE UTILITIES CUSTOMER TO METER)

SETUP GUIDE

RELEASE 21A

Disclaimer

Oracle Field Service Cloud Configurations for Oracle Utilities Customer Cloud Service Integration to Oracle Field Service Cloud, Release 21A

April 2021

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Contents

	~
	h
PREFACE	. U

AUDIENCE	6
DOCUMENTATION AND ACCESSIBILITY	6
Access to Oracle Support	6
Abbreviations	6

CHAPTER 1: ACCELERATOR OVERVIEW......7

CONFIGURATION OVERVIEW	.7
Accelerator Package	.7
ACCELERATOR ACTIVITY TYPES	.8

CHAPTER 2: INSTALLING BASIC ACCELERATOR PACKAGE......10

ACTIVITY TYPES	
PROPERTIES	
Forms and Plugins	
User Types	22

26
26
27
28
29
29
31
32
38
40
40
40
41
· · · · · · · · · · · · · · · · · · ·

Enabling Quota Management at Bucket Level	
Configuring Quota Options	41
CHAPTER 4: USER OPERATIONS	43
CHAPTER 5: CUSTOMIZATIONS	47
Adding New Fields to Field Activity	47
Adding New Fields and Lookup to Field Activity	
Adding New/Custom Activity Types	
CREATING AN ACTIVITY TYPE	54
CLONING AN ACTIVITY TYPE	54
Adding Enumeration Values to OFSC Property	56
ADDING FIELDS TO UI IN OFSC	58
GLOSSARY CUSTOMIZATION	60
CHAPTER 6: HOSTING PLUG-INS IN OFSC	62
Hosting Files on a Web Server	62
STORING FILES ON OBJECT STORAGE	62
CHAPTER 7: EQUIPMENT SUPPORT IN OFSC	64
Pre-requisites	64
PRE-REQUISITIES	
ATTACH EQUIPMENT TO SERVICE POINT	
ATTACH EQUIPMENT TO SERVICE POINT	
ATTACH EQUIPMENT TO METER	
UNDO ATTACH	
REPLACE EQUIPMENT	
Exchange Meter	
ATTACH EQUIPMENT	
Move Equipment to New Meter	
CUSTOM ACTIVITIES SUPPORT FOR MOVE EQUIPMENT TO NEW METER	
CHAPTER 8: ATTACHMENTS SUPPORT IN OFSC	74
Pre-requisites	74
ATTACHMENT SCREENS	

Attachments at Service Point	74
ATTACHMENTS AT NEW DEVICE	75
Attachments at Existing Device	77
ATTACHMENTS AT ACTIVITY	78
CUSTOMER SIGNATURE	79

Service Point Data Sync	80
Customization	
ACTIVITY TYPES SYNC	
CUSTOMIZATIONS	
DEVICE DATA SYNC	
Customizations	
REGISTER DATA SYNC	_

Preface

Welcome to the Oracle Field Service Cloud Setup Guide for Oracle Utilities Customer Cloud Service Integration to Oracle Field Service Cloud. This document focuses on the Oracle Field Service Cloud configuration and administration information of for the integration.

The preface includes the following:

- <u>Audience</u>
- Documentation and Accessibility
- Abbreviations

Audience

This document is intended for anyone implementing the Oracle Utilities Integration for Customer Cloud Service and Oracle Field Service Cloud.

Documentation and Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers have access to electronic support for the hearing impaired. Visit:

http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs

Abbreviations

Term	Expanded Form	
OFSC	Oracle Field Service Cloud	
C2M	Oracle Utilities Customer to Meter	
OIC	Oracle Integration Cloud	
SA	Service Agreement	
SP	Service Point	
CCS	Oracle Utilities Customer Cloud Service	

Chapter 1: Accelerator Overview

This chapter focuses on software requirements for Oracle Field Service Cloud and provides an overview of the configuration. It includes the following:

- <u>Configuration Overview</u>
- <u>Accelerator Package</u>
- <u>Accelerator Activity Types</u>

Configuration Overview

This section covers basic Oracle Field Service Cloud configurations, such as Activity Types, User Types, Properties, UI screens, validations for these UIs, plugins, and resource configurations.

Accelerator Package

The accelerator package includes various user types, properties, and plugins. This document explains the configurations for other elements such as activity types, work zones, work skills, work conditions and outbound channel.

The package helps customers configure and set up Oracle Field Service Cloud used in Oracle Utilities Customer Cloud Service Integration with Oracle Field Service Cloud. The integration package contains only Oracle Utilities Customer Cloud Service and Oracle Integration Cloud configuration files and instructions hence this document is used in addition to the integration package that provides a complete end-to-end set up for the integration.

The contents of the package are:

- User Types Define layouts and UI screens. The new Service Point Details, New Meter Details and Existing Meter Details UIs are linked to user types. For more details, see the see the User Types section.
- **Properties** Create layouts and mapping. For more information, see the <u>Properties</u> section.
- **Plugins** The Device Verification and Unrelated Pickup Query (service point query) plugins are part of the package. The Device Verification plugin takes badge number and returns the device details if a corresponding device exists. The Unrelated Pickup Query plugin gets the service points based on the search criteria. For more information, see the Forms and Plugins section.

Accelerator Activity Types

Make sure to take a backup of the Oracle Field Service Cloud accelerator before importing the latest version artifacts in to the Oracle Field Service Cloud environment.

Creating Properties Backup

In versions below 21A, create a backup of the properties data added during the execution.

To create a backup of properties:

- 1. Login to Oracle Field Service Cloud.
- 2. Navigate to Configuration \rightarrow Properties.
- 3. Search the properties with "c2m_".
- 4. Click Export. The filtered properties are saved to your local machine.
- 5. After the new package properties are imported, the properties for which backup was created can be reimported.

Note: For Oracle Field Service Cloud accelerator version 21 A or higher, it is not necessary to perform these steps. The admin sync flow will synchronize the admin data from Oracle Utilities Customer Cloud Service to Oracle Field Service Cloud.

Creating User Type File Backup

Since there is a possibility of the existing customizations to be overridden with the new user type import, make sure to create a backup of user type before importing the latest version user type.

To create a user type file backup:

- 1. Login to Oracle Field Service Cloud.
- 2. Navigate to Configuration \rightarrow User Type.
- 3. Select the "C2M OFSC" user type and click Export. The selected user type file is downloaded to your machine.
- 4. Add the customized sections back to the latest user type file.

Create a Plugin Backup

Since there is a possibility of the existing customizations to be overridden with the new plugin import, make sure to take a backup of the plugin before importing of latest version.

To create a plugin backup:

- 1. Login Oracle Field Service Cloud.
- 2. Navigate to Configuration \rightarrow Forms & Plugins.
- 3. Select the plugin for which take a backup and click Export. The XML file is downloaded to your machine.
- 4. Click the plugin and download the zip under the Version History section. The .zip file is downloaded to your machine.

In the Admin Sync flow, if the som.adminsync.activitytypes.sync property value is set to 'true' in the **Config Properties** lookup, all the required activities will be synchronized to Oracle Field Service Cloud. If you are an existing customer already running on old version of Oracle Utilities Customer Cloud Service integration to Oracle Field Service Cloud make sure to take a backup of the required Activity types before doing this step. Also, make sure to use the names mentioned below in Oracle Field Service Cloud and Oracle Integration Cloud Activity Type lookup.

Oracle Field Service Cloud accelerator is a sample and supports the following Activity Types.

- Install Meter
- Disconnect SP Meter and Remove Meter
- Read Meter
- Exchange Meter
- Connect SP at Device (not item)
- Disconnect SP at Device and Remove Device
- Disconnect Warning
- Item Exchange
- Turn on pilot light
- Trim Tree
- Service Investigation

Chapter 2: Installing Basic Accelerator Package

This chapter focuses on importing the files that come as a part of the package and configuring them in the Oracle Field Service Cloud environment for the integration to run successfully. Make sure to follow the same sequence for successful configuration. It includes the following:

- <u>Activity Types</u>
- Properties
- Forms and Plugins
- User Types

Activity Types

Activity types define the categories of the activity supported by Oracle Field Service Cloud (in this case, Oracle Utilities Customer Cloud Service Integration to Oracle Field Service Cloud). The Activity types are sync part of the Admin Sync flow in this release.

Activity Type Name	Activity Type Label
Turn on Pilot light	Turn on Pilot light
Service Investigation	Service Investigation
Trim Tree	Trim Tree
Disconnect SP at Device and Remove Device (Item)	Dic SP Dev Rem Dev
Item Exchange	Item Exchange
Connect SP at Item	Connect SP at Item
Meter Exchange	Meter Exchange
Meter Read	Meter Read
Disconnect SP at Meter and Remove Meter	Disc SP Met Rem Met
Connect SP	Connect SP
Meter Install	Meter Install
Disconnect Warning	Disconnect Warning

Properties

Properties are customs fields used to enable the Utility Integration specific UIs created and to map the Oracle Field Service Cloud UIs. Each property is classified into types (such as field, integer, enumeration and string) based on the requirements. They should be addressed using this property.

To import the property file that is a part of the accelerator package:

- 1. Navigate to the **Configuration** page.
- 2. Click the Properites icon and click Import.

<	Confi	guration Properties					
				Add new	Export	Iniport	Vew +
80	0	Property sume	e Property Label	Type	Entity	.008	Actions
(10)	100	Activity status	adatas	542	Actives	Det	Num
	162	# Purts	re_para	intoper.	Adves	- 161	Notity

3. Browse to select the file to be imported. Click Import.

nport properties	د
* Choose file	Browse
Import operation cannot be unde	D/9@

4. Verify the successful import of the file. Click **Close**.

Import properties	×
	Import
Successfully imported	331
Imported with warnings	0
Not imported	0
Close	

Forms and Plugins

Use the plugins modify screen and data based on their type and status of target and parent object. They invoke the response for badge number input from Oracle Utilities Customer Cloud Service in the device verification plugin and retrieve the service points from Oracle Utilities Customer Cloud Service based on the search criteria by the crew in Oracle Field Service Cloud to create unrelated pickup activity using unrelated pickup activity plugin.

The Device Verification plugin accepts badge number of the device and in response sends various parameters from Oracle Utilities Customer Cloud Service, such as unit of meter, time of use, read sequence, dials, and decimals after verifying the badge number in the Oracle Utilities Customer Cloud Service environment.

Crew populates the search criteria in the Unrelated Pickup Activity. The plugin fetches service points from Oracle Utilities Customer Cloud Service and displays this information in Oracle Field Service Cloud. Crew can select the service point that needs to create an unrelated pickup activity.

Device Verification Plugin

To configure a Device Verification plugin:

- 1. Navigate to **Configuration** > **Forms and Plugins**.
- 2. Click the **Import** icon to import the Device Verification plugin provided in the package.

< 0	onfiguration Forms & Plugins			Add Form	Add Plegin	Export Plugine	Import Plagas	View +
	Test Form Inst Jurn I	Doe Orafied Upieled View	1.41 A03 0201010 07 58 - AM 2211015 08 01 - AM Admin			2 Contriputed lines		т
	HEEQ milling.revenue_reparation	SUR Created Uptated Use	0.93.KE 82/07/10.91.30.AM 92/07/10.91.30.AM			6 Configurations		ъ
Ð	Send Roquest metile, provider, request/M	Siga Criwikit Updakid Uple	0.67 KB 020110.01.20 AM 0201110.01.20 AM			3 configurations		Т

- 3. In the **Plugin Settings** pane, do the following:
 - a. Enter the OIC username and password.
 - b. Select VerifyDevice in plugin XML file.
 - c. Select "HTML5" from the **Type** drop-down list.
 - d. Configure the following secure parameters before using the Device Verification plugin.

Parameter Name	Value	Comments
oic_username	Username	Configure OIC user name
oic_password	Password	Configure OIC password
oic_int_url	https://oichostname:port/ic/api/integration/v1	Configure the OIC end
	/flows/rest/OUTL-BA-	point URL of Device
	CCS_OFSC_DEVICE_VERIFY/1.0/	Verification flow

ieral Information			Plugin settings			
iame (English) ame (Portuguese Irazil) ame (SpanishLA) abel abily sibility rules similar to	Device Verification VerificDevice Activity	•	Type Use Plugin API Hosted plugin Plugin archive Disable plugin in offline Secure parameters Duplicate names are no	8	No lie chosen	Linto well 5 KB.
			tart		19984t	
			uname		502(14	
			prest		Webs	
			Version history			
			The second se	States and a second second second second		A COMPANY OF T
				fication time		Archive

e. Make sure the Available Properties tab is populated with all the properties shown below.

Available Pro	perties						
Add properties that	must be availab	le through Plugin	API				
Activity							
1Current Index	1Meter Dials	1Meter Dials 4	Meter Dials 5	1Meter Dia	Is2 1Meter Dia	als3 1Meter	Lower Limit
1Meter Lower Lim	it 2 1Meter Lo	wer Limit 3 1Me	eter Lower Lim	it 4 1Meter	Lower Limit 5	1Meter Read	Seq
1Meter Read Seq	2 1Meter Rea	d seq 3 1Meter	Read seq 4	1Meter Read	seq 5 1Meter	Upper Limit	
1Meter Upper Lim	it 2 1Meter Up	oper Limit 3 1Me	eter Upper Lim	it 4 1Meter	Upper Limit 5	1MeterNumbe	rOfDecimals
1MeterNumberOf	Decimals2 1M	eterNumberOfDeo	imals3 1Me	terNumberOf	Decimals4 1M	eterNumberOf	Decimals5
2Current Index	2Meter # 3Cu	rrent Index 4Cu	rrent Index	5Current Inde	Activity type	Meter Confi	guration
New Item Number	Service Point	t ID Status Ti	me Of Use	Time Of Use	Time Of Use	Time Of Use	Time Of Use
Unit Of Measure	Unit Of Measu	re Unit Of Meas	ure Unit Of	Measure Ur	nit Of Measure		

- f. Click **Device Verification** to configure the plugin.
- g. On the **User Type** screen configurations, select **Device Verification** to connect it to the specific field on the UI in the **Mobility** page.

N	leter Details		[Section name is empty]		Device Details
9	VerifyDevice		Re	move item	Device Verification
IT	Plugins			/	Status:
n	 Visibility 			Add new	
	RO By default for all v	alues			
	Translations				

Select screen			×
	Plugins	T	
	Filter by name or label	Q	
Screen	Navigation [NAV_AND] [instance_id_placeholder] [[insta Navigate [navigation_native_ap Device Verification1 [DeviceVeri autogenerated plugin (1) [plugin autogenerated plugin (2) [plugin Device Verification Test [plugin_ Device Verification 19A [Device Device Verification [VerifyDevice	pp] ification] n1] n2] _4] vVerification19A] e]	
	Device Verification11 [VerifyDev	/ice1j	Ψ.
Cancel			ОК

Until the previous release, crew could verify the existence of a device using the Device Verification feature where the search was based only on Badge Number. Also, the crew had to enter Manufacturer and Model details manually. In this release, Serial Number is included as one of the search criteria along with Badge Number. Manufacturer and Model are part of Device Verification response from Oracle Utilities Customer Cloud Service and gets auto-populated in the respective fields.

To use this feature:

- a. Select Install Meter Activity > New Meter Details.
- b. Click Verify Device to view the existence of the device.

Meter Details (04/01	/21)	
11111111111111		
Meter Information		
New Meter Details		
Verify Device		
Manual Entry:	● No O Yes	
Badge Number:		
Configuration Type:		*
Meter Location:		
Manufacturer:		
Model:		×
Status Left*		-

The Device Details page displays both Badge Number (mandatory) Serial Number (optional).

Badge Number*:	(m)
Serial Number:)u(

If the device exists based on the search criteria, the **New Meter Details** page is displayed with autopopulated details including the register information sent by Oracle Utilities Customer Cloud Service.

New Meter Detai	ls	
Verify Device		
Manual Entry:	● No○ Yes	
Badge Number:	KN_001	
Status:	Verification Successful	
Configuration Type:	Default five Registers	•
Meter Location:		•
Manufacturer:	Accumeter	•
Model:	IND1300	•
Status Left*:		•

Note : The OFSC mobile device application has the capability to search the meter badge number through bacode scanner. So that no need to enter meter badge number manualy while doing the device verification.

Custom Activity Type Support

The Device Verification plugin supports custom activity types other than Meter Install and Meter Exchange.

Follow the below steps to support custom activity type:

- 1. Login into Oracle Field Service Cloud.
- 2. Navigate to **Configuration** \rightarrow **Properties**.
- 3. Search for the c2m_device_verify_act_types property.
- 4. Click Modify.
- Add the Enum entry. Make sure the entry follows the syntax as below: Description[label]
- 6. Enter the Activity Type name in the **Description** field and label in the **Label** field.

Example: custom read activity[custom_read_activity]

Unrelated Pickup Activity

To configure an unrelated pickup activity:

- 1. On the **Configuration** page, navigate to **Forms & Plugins**.
- 2. Click the **Import** icon to import the **Unrelated Pickup** plugin provided in the package.

	Configuration Forms & Plugins		View -	Add Form	Add Plugat	Export Plagm	Import Plugers	
P.	Unrelated Pickup UnrelatedPickap	Tron Nome	Hostad plugin UnvelatedPickup			2 Configmation	**	т

3. Select the unrelated pickup plugin and enter the following details:

Parameter Name	Value	Comments
oic_int_url	https://oichost/ic/api/integration/v1/flows/rest/	Configure the activated
	OUTL-BA-CCS_OFSC_SP_QUERY/1.0/	service point url.
oic_username	User Name	Configure the OIC user
		name
oic_password	Password	Configure the OIC
		password
ofsc_username	OFSC user name	Configure the OFSC user
		name
ofsc_password	OFSC password	Configure the OFSC
		Password
ofsc_bucket	OFSC Bucket External ID	Configure the OFSC
		Bucket
ofsc_api_url	OFSC REST API url (Ex: https://api.etadirect.com)	Configure the OFSC REST
		API url
latitude_format	Latitue format value (Ex:N2.7)	Configure the format of
		latitude
longitude_format	Longitude format value (Ex:N3.7)	Configure the format of
		longitude

Note: Username and password would be the client ID and client secret that can be retrieved from Oracle Field Service Cloud.

Name (SpanishLA)			nooroa plagin				
			Plugin archive	Browse No file selected.	Info		
*Label	UnrelatedPickup_doc		Disable plugin in				
Entity	Activity 🗸		offline				
Visibility rules similar		\sim	Secure parameters				
to			Duplicate names are no	t allowed. Overall size should not excee	d 5 KB.		
			oic_int_url	Value	.::	-	
			oic_username	Value		-	
			oic_password	Value	.::	-	
			ofsc_username	Value		-	
			ofsc_password	Value	.::	-	
			ofsc_bucket	Value		-	
			ofsc_api_url	Value		-	
			latitude_format	Value	.::	-	
			longitude_format	Value		-	
						+	

- 4. Click **Configuration** and select the user type.
- 5. Navigate to the Screen Configuration tab.

General Screen configura	ation Restrictions and Filters	
		Cupy or share somen configuration
Application screens	Configuration *	
		Schedule booked activity Constal Equipment Instal Equipment
	Print Route	Start Activity Ports details Cancel Activity Edit Required Inventory
Activity list -	Add Activity Book new activity	End Activity Suspend Activity
	1	Not Done Activity

- 6. Click Application screens to display the structure. Click Activity list.
- 7. On the left pane, click **Click to add** and select the unrelated plugin.

Add button		×
	Standard action screen	
* Screen type	Plugins	
	Custom forms	
unr		
Available:		
Unrelated Pickup		
Selected:		
Add before selected		
Close		ок

8. On the right pane, add new visibility.

Name English SpanishLA Portuguese (Brazil) Save name Use original na			Original name Unrelated Pickup	Plugin tabel: UnrelatedPickup	
				1	
	3	Second Harrow	and original lipite		
udd ne	w visibility		are original horizon	[Unrelated Pickup] visibility	
Add ne	w visibility Access				Action

9. Make sure the **Available Properties** tab displays all the properties as shown in the figure below.

Available P	roperties						
Add properties t	hat must be ava	ailable throu	ugh Plu	ıgin API			1
Activity Activity Notes	Activity type	Address	City	Service Point ID	Service Point Source Status Code		
Service Point S	ource Status D	escription	Servi	ice Point Status Cod	le Service Point Status Description	Service Point Type	
	vpe Description	· ·		ostal Code	Service Form Status Description	Gervice rollit Type	

- 10. After the plugin is configured, select the XML file in the **User Type Screen Configurations** field to connect it to the specific field on the UI in the **Mobility** page.
- 11. CORS Setup

As part of the unrelated pick up functionality, from the plugin, there is an invocation call to OFSC REST API which needs CORS setup. To call OFSC REST API from the plugin, set up cross-origin resource sharing (CORS) in Oracle Field Service Cloud as follows:

- a. Navigate to **Configuration > Application > Additional restrictions**.
- b. Select **Allow Cross-origin resource sharing (CORS)** from the following web domains and provide the Oracle Field Service Cloud domain.
- c. If the domain details are unknown, enter '*'. For the actual Oracle Field Service Cloud domain contact the Oracle Field Service Cloud support team.

Allow access only to cert	ain resources
Allow access only for cer	ain IP-addresses
Allow Cross-origin resou	rce sharing (CORS) from the following web do
Each line should contain one domain name. Example: https://www.example.com https://best.customer.com https://bestcust.com	*

In this integration release, crew can specify search criteria and send request to Oracle Utilities Customer Cloud Service for service points. From the retrieved service points, crew can select a service point and raise a service investigation activity. The search criteria includes address, city, postal code, latitude, and longitude. 1. On the **Mobility** page, select **Unrelated Pickup** to use this feature.

Field Service Cloud			No. Solaria	<u>۴</u> وی
idle time	8:53		fy Route	^e Q ⁰
	Deactivate Queue		0%	• 1 Completed
		Ac	tivities	Add Activity
		St	ert Activity	Options
			Unrelated Pickup	

2. On the Unrelated Pickup page search for service points.

Street Address :	Enter Address	
City :	Enter City	
Postal Code :	Enter Postal Code	
Latitude :	Provide Latitude. Range:N2.7	
Longitude :	Provide Longitude. RangeN3.7	

	List of Service Points	
Sea	rch Results	
Selec	t Address Service Point Type	Status
0	696 E ALTAMONTE DR_test_Appt, 696 E ALTAMONTE DR_test_Appt2, 696 E This is for SOM-OFSC Integration	Connected
0	696 E ALTAMONTE DR_test_Appt, 696 E ALTAMONTE DR_test_Appt, 696 E ALTAMONTE This is for SOM-OFSC DR_test_Appt Integration	Connected

- 3. Select the desired service point from the list and click Select.
- 4. Click Add Activity to create the activity.

After successful creation of the activity in Oracle Field Service Cloud, the corresponding activity is created in Oracle Utilities Customer Cloud Service.

Activity Type :	•	
Address :	696 E ALTAMONTE DR_test_Appt, 696 E ALTAMONTE D	
City :	ALTAMONTE SPRINGS	
State :	OH	
Country :	US	
Postal Code :	32701	
Service Point Type :	This is for SOM-OFSC Integration	
Service Point ID :	732467427020	
Activity Notes :		

User Types

User types manage all user permissions. Each user type has a profile that defines security and display permissions, such as the user's login method, the ability to use certain functions, and access to menu items and properties. Screen-configuration settings define the screens, windows, pop-up windows and other elements visible to a certain user type. They also support the context layout editor, in which the content, arrangement, and visibilities of each context are set.

Use the **Screen Configuration** settings in specific user types to create custom screen context layouts for the integration.

Prerequisite! Make sure the Properties, Activity Types, and Plugins are loaded before proceeding.

To configure the user types:

- 1. Navigate to the **Configuration** page.
- 2. Click the User Types icon.
- 3. Click Import to import the user types.

		۵ 🗖 📓
< Configuration U	ser Types	Export Import
+ -	Génerar - Screen configuration - Restrictions and Pitters	A CONTRACT ON CONTRACT

4. On the **Choose file** field, click **Browse** to select the user type. Click **Validate**.

Import user types	×
* Choose file	Browse
Cancel	Validate

5. After successful validation, click **Import** to import the file.



6. Verify the successful import and click **Close**.

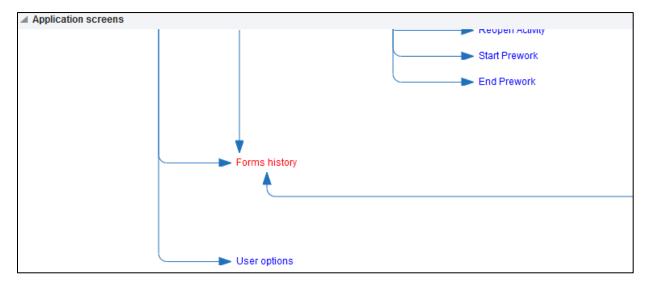
esults	Validation	Import	
Successfully imported	1	1	÷
Imported with warnings			
Not imported			
Validation Details			

Configuring Time Format

The time format can be changed from 12 hour to 24 hour. Oracle Fields Service Cloud has the provision to configure in the user type file. The user type file is in 12 hour format by default.

To change the time format:

- 1. Login to Oracle Field Service Cloud.
- 2. Navigate to **Configuration > User type > C2M OFSC**.
- 3. Click Screen Configuration and select User options.



4. Click **Property** and click the value in the **Value visibility** section.

Time Format:	sutime_fid	Remove item
Date Format:	User field Time Format [sutime_fid]	•
Mobile Activity Count:	Type Combobox 🗸	
Mobile Inventory Co	Name translations	
Design Theme:	✓ Visibility	Add new
	RW By default for all values	
	✓ Value visibility	Add new
	12-hour	\ominus

Value Visibility Settings	
Values	
Select values 👻 *	1
Co 24-hour	\oplus
Show conditions as formula	-

5. Click Save.

Chapter 3: Additional OFSC Configurations

This chapter elaborates on the additional configuration of organization, work zones, outbound channels, and UI validations in user types. It includes the following:

- <u>Checklist</u>
- Organization
- Work Zones
- Work Skills
- <u>Activities and Scheduling Information</u>
- <u>Resource and Bucket Info</u>
- Outbound Channel
- UI Validations
- <u>Quota</u>

Checklist

Before getting started with Oracle Field Service Cloud configuration, verify that the following are complete.

- All the Activity Types specific to customer are created
- Properties are imported
- Users and resources are configured
- User Types are imported
- Make sure the Quota has been allocated and doesn't need to be configured
- Plugin has been imported
- Name of Organization
- Work Skills to be created
- Name of the resources, work zones
- Details of Oracle Integration Cloud to create the Outbound Channel

Organization

An Organization can have buckets, organization units (Org Units), field resources, tools or vehicle associations. Create an organization before adding any type of resource.

To create an organization before adding any type of resource:

- 1. Navigate to **Configuration > Organization**.
- 2. Click Add New to add a new Organization.

ORACLE Field Service Cloud					ŵ	зí	6.8	Q	早	0.
< Configuration Organizations										
Sumise Cable Organization Units: TE (Backate #	a M	257 Hamman	60	2 Ventee					A	ed new 5

3. Enter the name of the Organization and click **Submit**.

Edit Organization		×
* English	Sunrise Utilities	
Portuguese (Brazil)		
SpanishLA		
* Label	Sunrise Utilities	
Туре	In-house V	
Discard changes		Submit

Work Zones

Work zones are used to divide area in different zones for better scheduling of crews. Use the work zone keys to provide the ZIP/postal code to facilitate the division through the Service Point information that comes from Oracle Utilities Customer Cloud Service.

To configure a work zone:

- 1. Navigate to the **Configuration** page and click **Work Zone**.
- 2. Make sure the Work Zone Key (top-left corner) is ZIP/Postal Code.

			cme mensiony Modty		Add New	Travel Areas	Export	Inquit	View -
0	10	Statue	Work zone same w	Work Zene Keys			Actions		Shapes
11	40	*	WINTER SPRINGS	32708			Modey		State
n i	13	*	BTARK	44720			Modify		

3. On the Work Zones page, click Add new to add the required postal codes in the Work Zone Keys field.

* Work zone name	Stark	
* Work zone label	Stark	
Status	Active	T
Delimiter	new line	×
Travel Area	Sunrise Ente	×
Work Zone Keys	32704 44720	

4. Click **Add** to save the new work zone.

Work Skills

Use the work skills to assign activities to workers. Incoming activities are also assigned work skills based on certain conditions being met, and are attached to resources with corresponding skills during routing.

The integration supports only two work skills at this time of release: Meter Services, Ops and Maintenance.

To create work skills:

- 1. Navigate to **Configuration > Work Skills**.
- 2. Click Add New.
- 3. Enter the details of the work skill. Add two work skills: *Meter Services and Ops and Maintenance*. Click **Save**.

A	dd work skill		×
*	Name		
*	English	Electric	
	SpanishLA		
	Portuguese (Brazil)		
*	Label	Electric	
	Sharing of the skill in teamwork	Maximal 🔹	
	Active	4	
_			
	Close		Save

4. Click **Work Skill Condition**. Make sure "Meter Services" is listed and configured with respective details. The figure below shows the necessary values.

Edit work skill c	ondition: "Meter	Services(1/1)"					×
* Work skill name	Meter Services	Ŧ						
* Required level * Preferable level	1							
Activity type [awor	ktype]	•	In	M C C C C M M S S F () I I I C C I C I C I C I C I C I C I C	Meter Disconnect, Meter Exchange, Meter Install, Connect SP at Device (Item), Disconnect SP at Meter and Remove Meter, Disconnect SP at Device and Remove Device Item), Meter Read, tem Exchange, Disconnect SP,	1	×	•
Close	-							Save

Activities and Scheduling Information

By default, the activities created from Oracle Utilities Customer Cloud Service to Oracle Field Service Cloud remain in 'non scheduled' state as expected. To schedule them refer to the Oracle Field Service Cloud documentation and use the routing option that suits the business need.

Resource and Bucket Information

Oracle Field Service Cloud uses bucket and resources to categorize the resources. In this integration, use the bucket as a resource type to route the entire meter service tasks to workers. In the bucket, create two resources (field workers) who are assigned field activities coming from Oracle Utilities Customer Cloud Service.

To configure resource and bucket information:

1. On the Oracle Field Service Cloud Home page, go to the Resources.

		te /Duskate			
Resources A		W6000035-200055			
View	×	Q (Undefined Just: 15372)			
Organization All Organizations	-	ACME Heating & Cooling	External ID Statum Restorce type	55050001 Active Oroup	Loget User Type Type
Org Unit/Bucket		ACME Heating & Cooling	External ID Status Resource type	e4000001 Active Group	Leger Meer Type Type
All Org Units/Buckets	Change	ACME Heating & Cooling Routing	External ID Status Resource type	33080801 Active Group	Loger Unier Type

2. Click Resource & Bucket Info and click Add Child.

ange?			
PC .			
net.	Autor	Ψ.	
e tael		w.	
energe types	Harage Their Decime	w.	
(10) Balan		d ^a	
in married .		đ	
onte cargo que	Drightin	*	
1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (Castern	*	
a ljunur	3460	*	
e instal ^a .	mem/stat/yw	w	
WE Dept / Parent*	Comme experiment (see)		
rg171erH*	Reduced .	*	
gDes Permit	wanting tractifying your		

- 3. Select **Bucket** to add a new bucket in the **Resource type**.
- 4. Enter the required details and click **OK**.
- 5. Click Add Child Resource and select Technician from the Resource type drop-down list. Click OK.

		Edit
Inform	ation	Add child resource
External ID	OHMeter	Resource Calendar
Name	100-00-00-00-00-00-00-00-00-00-00-00-00-	Work Zones
Status	Active	Work Skills
Resource ty	pe Bucket	Locations
Time zone	Brasilia	Locations
Time forma	t 24-hour	
Date format	t mm/dd/yy	E.
Default Exp Format	ort csv	
Design The	me Redwood	
Organizatio	n Sunrise Uti	lities

6. Once resource is created, click on work skills and select the work skills from the list of skills.

< Resource Info Resource Work Skills		23110805.	
	John,Reese		•
	Mener Services		Θ

Outbound Channel

This element is used to create a channel to communicate with Oracle Utilities Customer Cloud Service through Oracle Integration Cloud. Various channel types can be chosen, but since Oracle Utilities Customer Cloud Service integration to Oracle Field Service Cloud is through Oracle Integration Cloud, it is used as the channel type.

To configure an outbound channel:

- 1. Navigate to the **Configuration** page and click the **Outbound Integration** icon.
- 2. Click Add Channel. Enter the required details and click OK.

dd Channel		
Channel Type	Integration Cloud Service	
*Name		
*Host		
*User Name		
*Password		
*Confirm Password		
Close		ок

Offline Vs Online Mode

When the crew is enroute to perform an activity in the field there are chances that the location might not have network (offline mode). In such scenarios crew cannot fetch device information and cannot send a request for device verification. To overcome this crew should manually do the entry and select appropriate configuration type which auto populates all the registers information.

Offline Mode Configurations

Since different customers have different configurations to auto populate the registers information, do the following:

- 1. Login to Oracle Field Service Cloud.
- 2. Navigate to Visual Form Editor > C2M OFSC > Edit/View activity.
- 3. Click Unit Of Measure and expand the Default value and validation section.

					2 6	
Visual Form Editor > C2M OFSC > Edit/Vie	iw activity			Clear	Capp to + Unit	le Volidate
Add new element Q			c2m_metert_uom			Remove lie
ection a	Registers information		# Data binding			
80	al New Meter Reading Details		Activity held	Qn_meterl_yor	•	1
ext	Read Sequence:		Туре	Catmoleis	1	
UTCP	Unit: Of Meanure	+ 3	# Visibility			Add new
put	Time Of Usage	-	RW By detaid to	r at Jakim		
heckbox	Data	➤ Value visibility (0 items)				
ist	Decamait:	-	# Default value	and validation		
nage	Reating		Default value	Rachety s2m_nex MANUALMTR11 Restored s2m_nex	n_metar_type= (107-0 2,9) OR n metar kinar (107-7	OFBC-DC-
le element	Override Reading		Validation	iadivity c2m_offer	ne_mode_overnoie='Ye	H)
ignature	50:	+	Validation error	rmessage		

The default value code is displayed as: if(activity.c2m_new_meter_type= ('INT-OFSC-DC-MANUALMTR1'), 2,0) OR if(activity.c2m_new_meter_type= ('INT-OFSC-DC-MANUALMTR2'), 2,0) In the above code, if(activity.c2m_new_meter_type= ('INT-OFSC-DC-MANUALMTR1'), 2,0) tells Oracle Field Service Cloud that if the meter type is ''INT-OFSC-DC-MANUALMTR1' the UOM value is 2; else it is 0.

4. To identify the meaning of 2, open the respective property and view the index. For example: 2 in the above code represents KHW.

Note: Values in the property of type enumeration can be extended and can have values in the index based on the requirement. For example: KWH can have a KWH index.

Modify Property		×
Property hint		
English		
SpanishLA		
Portuguese (Brazil)		
Entity	Activity	
GUI	 Combobox Radiogroup 	
Clone property data on Reopen or Prework		
Enumeration values		
* English		
SpanishLA		
Portuguese (Brazil)		
Active	Add Change	
	KW[1] KWH[2]	_

5. Follow step 4 for viewing the TOU, SQI, Dials, Decimals values for all registers.

Note that no configurations are required for online mode.

To perform the offline operations:

- 1. Login to the mobile application.
- 2. From the activities assigned to the crew, select Install Meter.
- 3. Select Meter Details to enter the information.

If the device is offline, crew should select Manual Entry as Yes and select the configuration type.

< Meter Details (04,	/01/21)
Meter Information	
New Meter Details	
Manual Entry:	O No • Yes
Badge Number:	
Configuration Type:	Default One Register Electric meter - Ohio 🛛 🗸
Meter Location:	•
Manufacturer:	
Model:	•
Status Left*:	
New Meter Attachment	s

4. After the respective fields are selected based on pre-configuration the registers information is displayed as below. Click **Submit**.

Meter Details (0				-	
Meter Information			Registers Information	tion	
New Meter Details					
Manual Entry	Q No		New Meter Reading De		
Badge Number	• Ves		Read Sequence: Unit OF Measure:	t Kilowatt hour	
Cardiguration Type:	Default One Register Electric meter - Ohio	*	Time Of Usage	On peak. Peak	
Mater Location		*	Ciałe:	5	
Manufacture:		w.	Oscimule	2	
Model		¥	Noisting*		
Status Laft*					

Meter Read Override

This functionality is applicable in online mode only. Based on the type of activity crew enters the meter readings. The readings should be between the high/low boundaries received by Oracle Field Service Cloud from Oracle Utilities Customer Cloud Service after device verification. If the reading is outside of these limits, Oracle Field Service Cloud displays corresponding error messages. If the meter reading is actually outside the limits, select to override the readings and submit them.

To override meter read:

- 1. Login to mobile application.
- 2. From the activities assigned to crew select the required activity.
- 3. Select **Meter Details** and navigate to the user interface.

Aeter Details (0	14/01/21) ////entitions=-pillions		_	a
Existing Meter Deta	alls			
Badge Number	ExchangeD1	Reading Deta	du .	
Coorniguration Type:	Electric Scalar Residential	Read Sequer	ce. 1	
Manufacturer	C2M - Electric Manufacturer	Unit Of Mean	une KWH	
Media	E2M - Electric Model	Time Of Usa	PEAK	
Device Type	Electric Manual Read Meter - Analog	SQR	ΡΕΔΚ	
Status Found*:		w Dials.	3	
Status Left*		Decenais	0	
Bratus Left*		♥ Diading*	q	
Existing Meter Attai	furneents		No	11
		Override Rea	ding. O Yes	
		Lines Linet.	0	
		Upper Limit:	10	

The lower and upper limit are part of message from Oracle Utilities Customer Cloud Service. It infers that reading should be ideally between these limits but a crew can always override the recommedations. If the reading is not between these limits the application displays an error.

leter Details (C	An and a little and the second s	_	
Badga Number:	ExchangeD1	Reading Details	
Configuration Type:	Electric Scalar Residential	Nead Sequence:	3
Manufacturer:	C2M - Electric Manufacturer	Unit Of Measure	KWH
Model	C254 - Electric Model	Time Of Lisage:	PEAK
Device Type	Electric Manual Read Meter - Analog	SQL	PEAK
Status Found*		₩ Dials:	3
Status Left*		Decimale:	0
nomo CEn			20
Existing Meter Atta	doments.	Reading*.	Reading shauld ran to everyly jury Please double check and select merrivle reading if veeded
		Countile Reacting.	IN NO. O Nes
		Lower Limit	0
		Uppper Limit.	10

4. To submit the reading, select **Override Reading** as **Yes** and click **Submit**.

Meter Details (0)4/01/21)		_	Q	Ð
Existing Meter Det	nis				
Badge Number	ExchangeD1	Roading Details			
Configuration Type	Electric Scalar Residential	Read Sequence	1		
Manufacturer:	C2M - Electric Manufacturer	Unit Of Measure	KW09		
Model	C2M - Electric Model	Time Of Usage	PEAR		
Device Type	Electric Manual Read Meter - Analog	SQL	PEAK		
Status Found®		w Dish:	3		
Status Left*		Decimals	0		
2040A L411		Weating*	20		
Existing Meter Atta	chiments	Override Reading			
		Lawer Larut:	0		
		Upper Limit:	10		

Display Profile

This section is applicable to users with display profile other than "UT16_DISPLAY_PROFILE".

Dywlieged Administrator (UY 14) 3 Users User type info Access settings UV14/UISTRATOR Users - Label C2M OFSC Access settings UV13_DISPLAY_PROFILE Users - C2M OFSC Active Image for Dispatch operations. This functionality is degrecated and it not recommended on new implementediations. Privileged scene (UT 15) 2 Utins_DISPLAY_PROFILE Users Active Image for Dispatch operations. This functionality is degrecated and it not recommended on new implementediations. ADMINISTRATOR UTIS_DISPLAY_PROFILE 1 Users Default policy Default policy More leaser with API using user login and password. This inplore is using application conditions. C2M OFSC 1 Users Can create users of the following user types: Can create users of the following user types: Permissions.	+ -		General Scr	een configuration Restrictions and Fit	ters.	
CAN OFSC Uters Can create users of the following user types:		3	User type info	65		Access settings
Privileged CURED_5 (UT 7 Uses U	UT14_DISPLAY_PROFILE	CISH'S	* Label	C2M OFBC		Altow access via web application
UT13_DISPLAY_PROFILE Usan Privileged scep (IIT 15) 2 UT15_DISPLAY_PROFILE Usan Active Active UT15_DISPLAY_PROFILE Usan Active Active Active Active Active Active Active Active UT15_DISPLAY_PROFILE Usan Active Active Active Active <	_Privileged CURED_5 (UT 13)					
Privileged scap (UT 15) 2 UT15_015PLAY_PROFILE Users Login Policy Detaut policy Login Policy Detaut policy Login Policy Detaut policy Monitory Login Policy Detaut policy Monitory Login Policy Login Policy Login Policy Login Policy Detaut policy Monitory Addetaute comparison of 108 Monitory Can create users of the following user types:	UT13_DIBPLAY_PROFILE	Users	Action			
ADMINISTRATOR ADMINISTRATOR ADMINISTRATOR ADMINISTRATOR UTIS_DISPLAY_PROFILE Users Can create users of the following user types: Can create users of the following user types: Permissions	Privileged scap (UT 15)	2	ACOVE	Setting the content		Allow access via installed application for IOS
ADMINISTRATOR 1 UT16_DISPLAY_PROFILE Users Can create users of the following user types: Can create users of the following user types: Permissions	UT15_DISPLAY_PROFILE	Users	Login Policy	Detault policy	٠	Allow legacy access via API using user login and password. This
Can or Sc. Liter Permissions		1 Users				
Call Contraction of the second s		1	Can create us	ers of the following user types:		Dumining
	C2M OFSC	Users	E	1 mm mmm		Permissions
						Enable GPS Telemetry Allow access to required inventory

To change the display profile:

- 1. Open the usertype.xml file.
- 2. Search for "manger" and change the label based on the Oracle Field Service Cloud configuration.
- 3. Make sure to change the "managed_user_type" label.



Quota Configuration

Oracle Field Service Cloud Capacity allows to achieve an optimal resource utilization. Use this feature to plan the resource capacity in advance, forecast the resource allocation, and identify where the quota is under utilized or over utilized.

Capacity Management: Manages the volume of workforce. Capacity ensures that there are enough qualified resources to implement the expected amount and type of work.

Quota Management: Allocates work across the shifts and time slots for the available field resources.

In Oracle Field Service Cloud, quota and capacity can be managed in the capacity management matrix. The quota matrix is generated with real-time data based on the requirements. Update quota values to the business needs using either time-slot based or time-interval based (availability-based) quota management.

The capacity components are described below:

- Work Skills: A client-specific set of skills assigned to the resources to determine their skill sets and the qualification level within each skill set.
- Work Skill Conditions: A set of rules defined to assign required work skills and work skill levels to the activities.
- **Capacity Categories**: A group of activities with similar work skill requirements. These are used for the quota management purpose.
- **Time Slots**: The amount of quota reserved for a capacity category at a specific time of the day. Time slots are associated with the buckets and individual capacity categories used to manage the capacity management grid. They are also used to manage the activities.
- **Time Intervals**: Define the configured time intervals for booking activities. This value is used to show available capacity, max available resources, and the value for Booking Status time intervals.

For steps to create Work Skills and Work Skill Conditions, see the Work Skills section.

Creating Capacity Categories

To create a capacity category to configure work skills, work skill groups, and time slots:

- 1. Navigate to the **Configuration** page and click **Capacity Categories**.
- 2. Click Add New.
- 3. Enter the necessary details. The table below provides the fields available and the description of each field.

Field	Description
Name	Enter the name of the capacity category. The name is displayed in the list and in the quota matrix. If the application is configured for multiple languages, input boxes will appear for each language.
Label	Specify a label. It is used in the context of APIs and it must conform to a
	standard naming convention.
Active	Select the Active check box to mark this capacity category as active. Only active
Active	capacity categories are used in the quota matrix.

4. Click Save.

After the capacity category is created, add work skills, work skill groups and time slots to it.

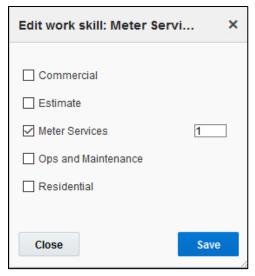
Example:

< (Config	guration	Capaci	ty categories		Q Harms Label to ID Addition
	10	Name	Label	Status	Work Skills	Time skits
	157	Estimate	EST	× .	Estmate(1)	08-10; 10-12; 13-15; 15-17; A8-Day

Adding Work Skill Groups to a Capacity Category

To assign work skills and work skill groups to a capacity category:

- 1. Navigate to the Configuration page and click Capacity Categories.
- 2. Click the pencil icon to edit the work skills.
- 3. Select the work skill group and provide the work skill condition level value.



4. Click Save.

Time Slots

A time slot is a fixed time interval specified in the activity management to perform activities. It denotes the starting time and is assigned to a bucket in the capacity management.

Creating a Time Slot

To create a time slot:

- 1. Navigate to the Configuration page and click Time Slots.
- 2. Click Add New.
- 3. Enter the following details:
 - Name: Name the time slot in the start time end time format. Example: 8-10
 - Time slot label: Enter the specific label name for the time slot.
 - Status: Select Active or Inactive from the drop-down.

Note that Oracle Field Service Cloud assigns activities and capacity management to active time slots only.

- All-day time slot: Select it for the time slot to last the entire day.
- Time from: Enter the time to indicate when the time slot begins.
- Time to: Enter the time when the time slot ends.
- Capacity Categories: Select to add activity types and work skill types.

10	Barne 🛎	Time slot label	Status	Time Slot.	Capacity Categories	Actors
1	00-10	00-10		ME DO AM - 10 DO AM	Commercial Enformate, Meter Services, Residential	Muchy

4. Click Add.

Adding Time Slots to a Capacity Category

To add a time slot to a capacity category:

- 1. Navigate to the **Configuration** page and click **Capacity Categories**.
- 2. Hover over the **Time Slot** column to view the pencil icon.
- 3. Click it to edit the time slot.
- 4. Select the required time slots to assign to the capacity category.
- 5. Click Save.

Enabling Quota Management at Bucket Level

Note that quota management can only be enabled at a bucket level. To do so:

- 1. Navigate to the Configuration page and click Quota Management.
- 2. Select quota, capacity area, resource info.
- Select the Use as Capacity Area check box.
 The quota Management feature is enabled for this bucket. You can now add the management information to your quota matrix.
- 4. In the **Quota Management** section, configure the following features:
 - **Time Slots**: Edit to add time slots to this bucket. If the time-interval (availability) based booking is configured, do not add time-slots.
 - Capacity Categories: Edit to define capacity category types.
- 5. Click **OK**.

Configuring Quota Options

To configure the quota management settings:

- 1. Navigate to the Configuration page.
- 2. Select Time slot based quota check box and select Quota.
- 3. Select a capacity area/bucket from the left-hand pane.
- 4. Click the **Configuration** icon.
- 5. On the **Configuration** page for the selected bucket, configure the parameters as shown in the figure below.

Capacity manager	nent		Quota management		
Capacity category Working time unit	Mater Senices minutes	Ø	Cauota Definition level		
Booking					
Available time slots	08-10, 10-12, 13-15, 15-17, All-Day	2	Reduce guota by the total duration of activities not assigned to any capacity category		
Allow closing of b	ooking on work zone level		Quota by capacity category		
Use Quota managemen	n secondo da secondo de la competición		Quota is entered as % of maximum capacity available in this category		
Use Quota managemen	m.		O Quota is entered as % of quota defined on parent level		
O Based on book Recommender	ong intervals d for overlapped time stats or significant variety	of work duration-	Guota is entered in minutes		
Based on Time Recommender	a slots d'for long non-ovvilapping time slota with abort	work duration	Quota by time slot		
			 Quota is entered as % of capacity available by calendar 		
			Quota is entered as % of quota defined on parent level		
			Quota is entered in minutes		

Chapter 4: User Operations

This chapter provides step by step instructions for user operations.

1. Login to Oracle Field Service Cloud Mobility application.

You can access the application by adding '/m' to the Oracle Field Service Cloud URL <ofsc_link/m>.

- 2. Access the **Mobility** page using the worker/technician's credentials. The page shows activities in the queue of the worker.
- 3. Click **Start** to start the activity in the worker's queue.

■ ORACLE JR John Reese			
JR Honorese	oktine 500	MyRoute	1
	Deactivate Queue		
		Citytites	E Add Actority
		Options	Unrelated Pickup
		A DESCRIPTION OF THE OWNER OF THE	

4. Click ">" against the activity. The options **Start**, **Cancel**, **Suspend**, **Map**, and **Book Activity** are displayed.

C Activity Details (03/31/21)							σĎ
annannan anna anna anna anna anna anna	141	Canal	Todorient.	Mip	Book (create) activity	Nantay Activities	Ezonledge
Service Information	Service Po	nt Details					

- 5. Click **Start** to start the activity in the worker's queue.
- 6. Enter the odometer details and click **Submit**.

< Start Activity		
Sant Term	00 · •) 12 · •) AM · •	
Well Ditte:	saturatemen	
Odunatel Munical Demoge	0	
2		Disation

7. Click Meter Details. Enter the Badge Number and click Submit

Meter Details (03/31/21)	W//within Sections		
Matter Information			
New Meter Details			
Verify Device			
Henail (1994)	* 2 F		
Bridge Number			
Configuration Tage:		~	
Herer Louittee.			
Manufacturer		*	
Hutel.			
Manual Carrie		*	
New Weier Attachments			
			Divrhs

8. Click **Meter Details** and click **Verify**. After the verification is successful, the meter reading information is displayed in the **Registers Information** section.

Device Details Device Type:	Meter	
Badge Number*:		ູ່ເຫງ
Serial Number:		juij
Submit D	ismiss	

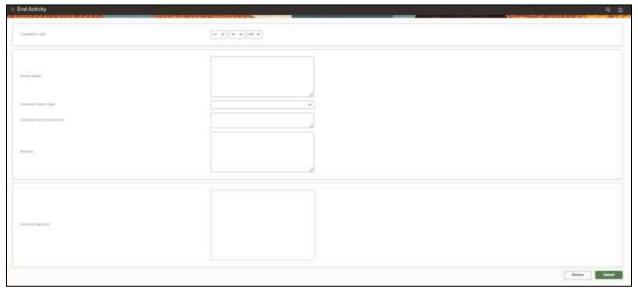
Neter Information			Registers Information		
ien Meter Details					
			New Histor Payding Details		
Verify Device			Real Sessence:	14	
Meanal Destry	C ves		Linit 111 Meanure	Witnesdt hear	
wige Norther	11		Time Df Ukegti	Pass.	
where .	WetBoarton Economia		32	Past	
			DWS.	3	
ortigantian Type:	Electric Scalar Residential	×.	Destruits	0	
When Lancahtoni		÷.	Small Q*		
lanu/latturer	CHI - Demichlenderson	*	Crieffits Reading:	I ves	
loaded	C2M - Electric Model	*	Longe Lives		
New Letter		-	Lipper Limit	0	
New Meter Attachments					

9. Enter the respective details in the Meter Information and Registers Information sections. Click Submit.

10. Click Complete.

Activity Details (0. رود مسا		Canquere Ad	that Time Not Date Support	Equipment Map (keek (creater) activity	Q. Meaning Activities. Knowle
Service Information	nt © istends and come back to six navely applicated this	annaltan haisa	Service Point Details	Sussenitors	
Actoriy Type Die Address Www.thde: Straus Scheduling Informatio	Install States one E AUTANONTE DA BRT2 04304424400465 States States		Barrise Peters (2) Barrise Peters Datas Garrise Peter Type Peterson Type Darrise Type	Todo/HB22475 Climotocted This is far SOM-DFSC integration Single family runne Electric Service Name	
Start-Dre Dention Activity Attachments	02.97 Alf - 02.25 AM Alf mitulity:		Device Location Device Location Defails Werenge		*
Aleter Details			hab at land.	DT-Leave read card with sustainer	*

11. On the **End Activity** page, enter the required details. Click **Submit**.



Chapter 5: Customizations

Property additions and customizations help customers using this integration to enhance the functionality of the integration and increase the usability too. Customizations are done in Oracle Integration Cloud, Oracle Field Service Cloud and Oracle Utilities Customer Cloud Service depending on the fields, elements or properties to be added and their availability.

This chapter focusses on the following customizations:

- Adding New Fields to Field Activity
- Adding New Fields and Lookup to Field Activity
- <u>Adding New/Custom Activity Types</u>
- Adding Enumeration Values to OFSC Property
- Adding Fields to UI in OFSC

Adding New Fields to Field Activity

This section includes steps to add new fields to Field Activity. These fields are available but not present in Field Activity.

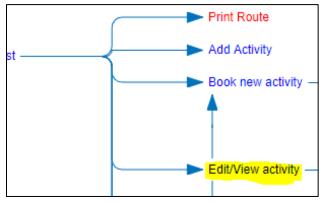
Oracle Field Service Cloud Configurations

- 1. Login to Oracle Field Service Cloud.
- 2. Navigate to Configuration > Properties > Add New Property.
- 3. Select the **Entity** and **Type of GUI**. Enter the enumeration values (example: customprop1 and customprop2).

Add New Property		×
Property type	Enumeration •	^
* Property name		
* English	Test Custom Property	
SpanishLA		
Portuguese (Brazil)		
* Property Label	test_customProperty	
Property hint		
English		
SpanishLA		
Portuguese (Brazil)		
Entity	Activity •	

- 4. Click Save.
- 5. Navigate to **User Types** and select the required user type.

6. Navigate to Screen Configurations of the selected user type and open the Edit/View activity section.



- 7. In the Add New Element section, drag and drop a new 'Input' to add a new element.
- 8. Map the element to Test Custom Property. Save this screen configuration after mapping the field.

Service Point Det	ails
Service Point ID:	
Warnings:	•
Instructions:	•
Instruction Details :	
Disconnect Location:	•
Life Support:	•
Service Point Type:	•
Premise Type:	•
Not Done Reason:	•
Test Custom Property:	•

Oracle Integration Cloud Configurations

In Oracle Integration Cloud configurations use xsl files and not graphical mapper to include new properties. Since the changes are made in Oracle Field Service Cloud and the flow is from Oracle Field Service Cloud to Oracle Utilities Customer Cloud Service, modify the .iar file for *Complete Activity*. For xsl files to include the new field mappings as properties in Oracle Field Service Cloud:

- 1. Login to Oracle Integration Cloud.
- 2. Navigate to Integrations and clone Oracle Utilities OFSC CCS Activity Complete (1.0).

ଢ+ଢଢ	Oracle Utilities OFSC CCS Activity Complete Committee Committee Completion Internation New OFSC to 1004	1.0.0	App Driven Orchestration	Nev 30th, 20 02:08/57 PM) ~
@+@@	Oracle Utilities OFSC CCS Activity Greate (1999) Sensit Activity Deale Information from OFSC to SOM	1.0.0	App Driven Orcheithation	Nov 38th, 2 02:08:33 /H	View Eak Cone	0.045
	Oracle Utilities OFSC CCS Device Verification Addition	1.0.0	App Driven Orthestration	Nov 30th 2 22:06:46 04	Create New Version Update Property Values	5040
					Export Map to insight Tracing	
					Asserter Recordings Enable Asserter Recording Submit Asserter Recordings Configure	

3. On the **Clone Integration** window, change the **Name** and **Identifier** as required.

Oracle Utilities OFSC CCS	Activity Complete (1.0			
Triggered By Application	Event or Business Obj	ect		
Quickly create a brand new integ have independent lifecycles.	ration by copying the	e one you already have. The two integration	ons are not	connected and
What is it called? Best to provide a new name, althou must be unique.	ugh you can change it i	ater. The identifier and version can be set on	ly now and	their combination
* Name O	Vracle Utilities OFSC CC	S Activity Comp_1606994755		
• Identifier 0	RAC_UTIL_OFSC_CCS_/	ACTL_COMP_160		
• Version 0	1.00.0000			
Occumentation URL E	inter Documentation U	RL.		
Keywords	app:oracleutilities ×	style:app driven orchestration \times		
	app:ofsccloudadapter	×		
Package /	ype a new or select an	existing package name	٠	0
Description S	ends Activity Cancel/Co	ompletion information from OFSC to SOM		

- Select the package or enter the package name. Click Clone.
 The new cloned integration is created under the package name entered during the cloning of an integration.
- 5. Extract the cloned Integration .iar file.

6. For Oracle Field Service Cloud response use the following xsl file. Navigate to the file location and select it.

OUTL-BA-OFSC_CCS_ACTIVITY_COMP_01.00.0000\icspackage\project\ OUTL-BA-

OFSC_CCS_ACTIVITY_COMP_01.00.0000\resources\processor_509\resourcegroup_512\req_358b3cdb3d 5745fb8e082acdde659bb2.xsl

For detailed information refer to Oracle Customer Cloud Service Integration to Oracle Field Service Cloud Configuration Guide v20C.

project > OUTL-BA-OFSC_CCS_ACTIVITY_COMP_01.00.0000 > resources > processor_509 > resourcegroup_512 v 👌 🔎 Search resourcegroup_512				
Name	Date modified	Туре	Size	
req_358b3cdb3d5745fb8e082acdde659bb2.xsl	11/17/2020 11:53 AM	XSL Stylesheet	91 KB	
req_358b3cdb3d5745fb8e082acdde659bb2_stateinfo.xml	11/17/2020 11:53 AM	XML Document	15 KB	

- 7. Navigate to <xsl: template..> tags towards the end of the file.
- 8. Select the appropriate template tag based on the new UI property to be added in Oracle Field Service Cloud UI.

For example: To add a new field on the **Service Point Details** screen, choose the following xsl tag: <*xsl:template name="servicePointDataDetails_Customizations">*

🔚 req_3	358b3	cdb3d5745fb8e082acdde659bb2.xsl 🗵
660	-	
661		<xsl:value-of select="concat(\$SOMDateTime,\$SOMOffset)"></xsl:value-of>
662	F	
663	-	
664	F	
665	白	<pre><xsl:template name="customerContactDetails_Customizations"></xsl:template></pre>
666		Add customerContactDetails related customizations here
667	-	
668	白	<pre><xsl:template name="completionInformation_Customizations"></xsl:template></pre>
669		Add completionInformation related customizations here
670	F	
671	白	<pre><xsl:template name="servicePointDataDetails_Customizations"></xsl:template></pre>
672		Add servicePointDataDetails related customizations here
673	-	
674	白	<pre><xsl:template name="servicePointCompletionDetails_Customizations"></xsl:template></pre>
675		Add servicePointCompletionDetails related customizations here
676		

 Add the new customized property in this tag. The sample custom property named u_custom is as below: <tns:custom1>

<xsl:value-of

select="\$invokeOFSCGetActivity/nsmpr0:canonical_GETResponse/nsmpr0:activities.definitions.getActivity Schema/nsmpr1:u_custom"/>

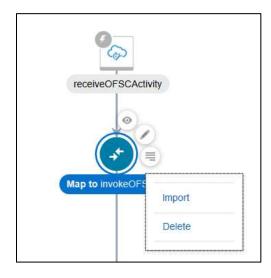
</tns:custom1>



10. After editing, save the xsl and test the syntax by opening it in a web browser. It should open as shown without any errors.

(a) (b) Comparison of the base bits of the state of th	G Search .	Q
<pre><tml encoding="UTF-8" version="1.0"> <tml encoding="UTF-8" version="1.0"> <tml encoding="UTF-8" version="1.0"> <tml encoding="UTF-8" version="1.0"> <tml encoding="UTF-8" version="1.0"> </tml> </tml> </tml> </tml> </tml> /cloud/adapter/items" uddapter/GetDeinstalledInventory_F ExtnFunction" a/nracle.tip.adapter.sucket.ProtocolTr :xml="http://www.w3.org/XML/1998; 'lgnore01:ignorexmids="true" 7 ora oracle-xsl-mapper nssrcdfl xsl fn tp://www.w3.org/1990/XSL/Transfo :xmlns:wssutil="http://docs.oasis- :com" itsp://www.oracle.com/xsl/mapper/s m/xpath/extension" inssrcmpr="http://www.oracle.com/o form/java/oracle.tip.pc.services.funct p://schemas.zmlsoap.org/ws/2003/0</pre>	anslator /namety i xsl ign rm* chemas' fsc-met. ions.Xp	

11. To upload the xsl file in Oracle Integration Cloud, deactivate the integration, open the flow and select the mapping icon. Click *More Actions* and select *Import*. Browse the .xsl file and import it.



Adding New Fields and Lookup to Field Activity

This section focuses on adding new fields that are not available.

Oracle Field Service Cloud Configurations

For instructions see the <u>Oracle Field Service Cloud Configurations</u> section in <u>Adding New Fields to Field</u> <u>Activity</u>. Add the property, drag and drop it on the UI screen where it is needed and save the UI screen in the user types.

Oracle Integration Cloud Configurations

1. For a customized lookup in Oracle Field Service Cloud, follow the steps in the <u>Oracle Integration Cloud</u> <u>Configurations</u> section in in <u>Adding New Fields to Field Activity</u>.

Extract .iar and navigate to the required xsl tag (based on the location of the new lookup) in the xsl file you are editing as per the process flow.

2. Instead of adding the custom property, modify the following:

<tns:customLookup><xsl:value-of select="nsmpr2:lookupValue('tenant/resources/dvms/OFSCSOM_customLookup',</td>'OFSC_customLookup',\$invokeOFSCGetActivity/nsmpr0:canonical_GETResponse/nsmpr0:activities.definitions.getActivitySchema/nsmpr1:u_Remarktypes, 'SOM_customLookup',\$invokeOFSCGetActivity/nsmpr0:canonical_GETResponse/nsmpr0:activities.definitions.getActivitySchema/nsmpr1:u_Remarktypes, 'SOM_customLookup',\$invokeOFSCGetActivity/nsmpr0:canonical_GETResponse/nsmpr0:activities.definitions.getActivitySchema/nsmpr1:u_Remarktypes)"/></tn></tr

3. Upload the xsl file in Oracle Integration Cloud after verification in a browser.

Oracle Utilities Customer Cloud Service Configurations

To configure Oracle Utilities Customer Cloud Service with a new schema element:

1. Navigate to the *D1-FieldActivityOBComm* business object and identify the data area to add the new schema element.

For example: To make changes to the **Service Point Details** section, the data area to be modified is a custom data area created for Oracle Field Service Cloud.

DATA AF	REA	D1-NewOFSCDataAreaExt
DESCRI	PTION	New OFSC DA added for extending the Service Point DA
OWNER		Customer Modification
Scher	na Des	igner 🕕
		view Mode
	TREE	TEXT
1	<schem< td=""><td>a xmlns:uiHint="http://oracle.com/ouafUIHints"></td></schem<>	a xmlns:uiHint="http://oracle.com/ouafUIHints">
2		stomField mdField="D1_CUSTOM_FIELD" dataType="string"/>
3	<td>na></td>	na>
4		

2. Extend the data area by adding the Service Point Details DA in the extended DA section.

DATA AREA	* D1-NewOFSCDataAreaExt	
DESCRIPTION	* New OFSC DA added for extending the Service Point DA	
DETAILED DESCRIPTION		
EXTENDED DATA AREA	D1-SOSPDataDetails Q SOM - Service Point Data Details	*

3. New schema element should now be displayed in BO schema.

<pre><servicepointdatadetails mdfield="D1_S0_SP_DATA_DET_LBL" pre="" t<=""></servicepointdatadetails></pre>
<pre><disconnectlocation da<="" mdfield="D1_DISCONNECT_LOCATION_CD" pre=""></disconnectlocation></pre>
<pre><servicewarnings datatype<="" mdfield="D1_SERVICE_WARNINGS_CD" pre=""></servicewarnings></pre>
<pre><serviceinstructions <="" mdfield="D1_SERVICE_INSTRUCTIONS_CD" pre=""></serviceinstructions></pre>
<pre><instructiondetails mdfield="D1_INSTRUCTION_DETAILS"></instructiondetails></pre>
<pre><serviceagreementstatus mdfield="D1_SA_STATUS_FLG"></serviceagreementstatus></pre>
<pre><servicepointid mdfield="D1_SERVICE_POINT_ID"></servicepointid></pre>
<pre><serviceagreementid mdfield="D1_SA_ID"></serviceagreementid></pre>
<premiseid mdfield="D1_PREMISE_ID"></premiseid>
<customfield datatype="string" mdfield="D1_CUSTOM_FIELD"></customfield>

Adding New/Custom Activity Types

Oracle Field Service Cloud allows users to create/update or clone the activity types.

Creating an Activity Type

To create and activity:

- 1. Navigate to Configuration > Resources, Activities, Inventories > Activity Types.
- 2. Click Add Activity Type.

Activity type info		Features
* Label	Meter Install	Allow mass activities
* Name		Teamwork
* English	Meter Install	Enable segmenting and extended duration
SpanishLA Portuguese (Brazil)		Allow move between resources
Active	\checkmark	Allow creation in buckets
Group	Customer ~	Allow reschedule
* Default Duration	48 minutes	Support of not-ordered activities
		Allow non-scheduled
Color scheme		Support of work zones
		Support of work skills
Copy from	~	Support of time slots
Pending	FFDE00	Support of inventory
Completed	79B6EB	Support of links
Warning	FFAAAA	Support of preferred resources
Suspended	99FFFF	Allow Repeating Activities
Not Done	60CECE	Calculate travel

- 3. Enter the label and name for activity in the respective Label and Name fields.
- 4. Select **Activate** to activate the activity type.
- 5. Select the necessary features.

Cloning an Activity Type

To clone an activity type:

- 1. Navigate to Configuration > Resources, Activities, Inventories > Activity Types.
- 2. In the list of activity types, click **Clone** for the activity type to be cloned.

entorner	(ID: -1) II	attama -		
0 10	Status	Activity Type Name 🛎	Activity Type Labor	
60	*	Commercial Facility Maintenance	05	Modify Cipe
3 62	*	Cooking Maintenance	01	Modify Clan
78	*	Disconnect Warning	Disconnect Vitaming	Hodly Class
67	*	Extends	09	Hoaty Clan
14	*	Motion Institut	Maker install	Hodly Class
- es	*	Mirrillarenzin	04	Maddly Class
71	*	Well Cop Advity	ю	Nodily Class
0	1	Notural Gas Maintenance	02	Nodily Class
68	*	No Charge Barvice	a?	Modily Chan
70	1	6204	09	Modily Chan
	1	Bystem Overhaut / Install	08	Modily Clan
$\Box \pi$	1	Tum on Pilut tigtet	Turn on Print light1	Modily Clan
3 72	1	WP Service Commercial	10	Modily Clea
3 71		WP Service Residential		Modify Class

After the clone is complete, all features of the existing activity are applied to the new activity type.

3.	Enter a	new activity	label and	name.	Click	Clone.
----	---------	--------------	-----------	-------	-------	--------

lone activity type			×
Activity type info		Features	,
* Label		Allow mass activities	
* Name		Teamwork	
* English	Meter Install	Enable segmenting and extended duration	
SpanishLA Portuguese (Brazil)		Allow move between resources	
Active		✓ Allow creation in buckets	
Group	Customer	Allow reschedule	
* Default Duration	48 minutes	Support of not-ordered activities	
		Allow non-scheduled	- 1
Color scheme		Support of work zones	
		Support of work skills	
Copy from	~	Support of time slots	
Pending	FFDE00	Support of inventory	
Completed	79B6EB	Support of links	
Warning	FFAAAA	Support of preferred resources	
Suspended	99FFFF	Allow Repeating Activities	
Not Dopo		Calculate travel	
Cancel		с	one

Adding Enumeration Values to OFSC Property

Oracle Filed Service Cloud includes enum properties that need to add values to Oracle Utilities Customer Cloud Service, such as SQI, TOU, UOM, meter configuration type, etc.

To add values to the enum property:

- 1. Login to Oracle Field Service Cloud.
- 2. Navigate to **Configuration > Properties**.
- 3. Search for the property with label.
- 4. Click Modify Property.

Values field shows a combination of Description[id]. Example: Simple Electrical[E-DEFAULT]

Modify Property	
Entity	Activity
GUI	 Combobox Radiogroup
Clone property data on Reopen or Prework	
Enumeration values	
* English	()
SpanishLA	
Portuguese (Brazil)	
Active	Add Change
Values	Simple Eletrical[E-DEFAULT] Simple Electrical Residential[E Default Single Offline Register Default five Offline Registers[II Default Single Register[INT-SC Default five Registers[INT-SOW

- 5. In the **English** field, enter the description and code.
- 6. Enter "Item" to verify an item as part of custom activity and activity as part of ID. Example: Item[Custom_item_activity_type]
- 7. Click Add to add the values to the Values list.
- 8. Click **Update** to save the value to the property.

The table below lists the properties to be updated to add custom values apart of the demo values (that are part of the accelerator.

OFSC Property	Oracle Utilities Customer Cloud Service Admin Table
Service Point Status Code	Service Point Status
New Item Type	Device Type
New Meter TOU	Time Of Use
Customer Contact Type	Customer Contact Type
New Meter SQI	Service Quantity Identifier
Disconnect Location	Disconnect Location
Service Point Instructions	Service Instructions
Service Point Warnings	Service Point Warnings
New Item Model	Model
New Meter Model	Model
New Item Manufacturer	Manufacturer
New Meter Manufacturer	Manufacturer
New Meter UOM	Unit Of Measure
Item Configuration Type	Device Configuration Type
Unit Of Measure	Unit Of Measure
Time Of Use	Time Of Use
Premise Type	Premise Type
Service Point Type	Service Point Type
Meter Configuration Type	Device Configuration Type
Remark Type	Remark Type
Premise Warning	Service Point Warnings
Cancellation Reason	FA Cancel Reason
Customer Contact Type	Customer Contact Type
Meter ID Types	Meter ID Type
Read Type	Read Type

9. Add entry to the corresponding Oracle Integration Cloud look up.

Example: After adding value to the Manufacturer properties, add an entry to the SOMOFSC_Manufacturer Oracle Integration Cloud look up.

To add an entry to the look up:

- a. Login to Oracle Integration Cloud.
- b. Navigate to **Designer** > **Lookups**.
- c. Search for the respective look up. Example: SOMOFSC_Manufacturer

SOMOFSC_Manufacturer

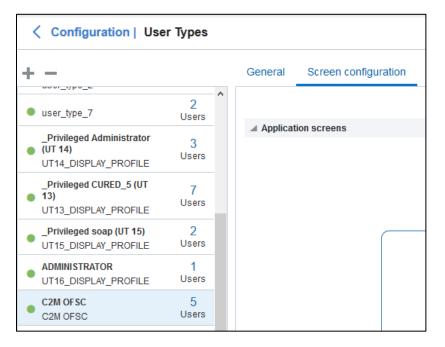
	SOM_Manufacturer	OFSC_Manufacturor	1
	INT-ELECTRIC MANUFACTURER	GE	
E.	C2M_ELECTRIC_MANUFACTURER	ACCUMETER	
E.	BEECO	BEECO	_
ŕ.	SENSU5	SENSUS	

- d. Click +.
- e. Enter the SOM code in the SOM_Manufacturer column.
- f. Enter the ofsc enum field ID in the **OFSC_Manufacturer** column.
- g. Click Save.
- h. Deactivate and activate the integration using the look up.

Adding Fields to UI in OFSC

To add newly created properties to the Mobility/UI screen:

- 1. Login to Oracle Field Service Cloud.
- 2. Navigate to **Configuration** > **User Types**.
- 3. Click the C2M OFSC user type and click Screen configuration.



The Application screens tab shows different screens.

A Application screens	Print Route Add Actwrly Book new activity EditView activity	Inventory grid Start Activity Cancel Activity End Activity Suspend Activity Not Done Activity Adjust Time for Activity Reopen Activity Start Prevork End Prevork	Faits defails Edit Required Inventory AdsDetails inventory
-----------------------	---	--	--

4. Click Edit/View Activity to add a field to the activity level.

Section	 Start	Comparts	stove .	Adjust Time
	Equipment	Add Activity		
∼ Tab	4 [Section	n name is en	ipty]	
T Text	.⊿ Service	Information		
D Button		divities list, wait	10 seconds	
input	Activity Notes			
Checkbox	Activity Type:			
Ξ List	Sãe Address Work Order			
🗊 Image	Status			
File element	Summary:			
Signature	Commente			

5. Drag and drop the required elements available in the left pane.

Field	Remove item
Activity field	•
A Name translations	
English	.i
SpanishLA	.:
Portuguese (Brazil)	.::
✓ Visibility	Add new
RW By default for all values	

- 6. Select the required property from the **Activity field** section drop down.
- 7. In the Name translations section, enter the label name in the respective language field.
- 8. In the Visibility section, enter if the property should be read or read-write.
- 9. Click Save.

Glossary Customization

The labels of equipment and install and detach screens can be changed using the glossary file available as part of the accelarator zip.

Category (ctg)	Identifier (Id)	Type (tp)	ID/Label (Ibl)	User Type English (en-US)
Glossary: mobile_shared, wap_inventory	glossary	translation	10109	Assets/Equipment
Glossary: mobile_shared	glossary	translation	10865	Assets/Equipment
Glossary: mobile_shared	glossary	translation	10767	Asset/Equipment Details
Glossary: wap_inventory	glossary	translation	10111	Existing

To change the label, modify the text in the **English(en-us)** column and re-import the glossary file.

Before changing the glossary file.

0-02 👰 Adjust			Attach Equipment
um <i>nemente</i>	Arman Existing 1 Measuring Component Equipment: Badge No: ET2., Serial No: ET2, UOM: Kilowatt hour, TOU: Peak, SQ: Posk	1	
	A 🛃 Installed 1 Meter Equipment: Badge No: ET2 . Senal No: ET2 . Description: INT Equipment Type ERT	1	
	Meter Equipment: Badge No: ET1, Sartal No: ET1	1	

After changing the glossary file.

< Equipment			م ۵
0:04 🧟 Adket			Attach Equipment
	Arr Existing Minasuring Component Equipment: Badge No: ET2, Serial No: ET2, UCMt Kilowert hour, TOU: Pleak, SQL Pleak	1	S.S. 6441000
	Meter Equipment: Badge No. ET2 . Serial No. ET2 . Description. INT Equipment Type ER1	1	
	Meter Equipment: Badge No: ET1, Serial No: ET1	1	

Chapter 6: Hosting Plug-Ins in OFSC

Plugins can be hosted within Oracle Field Service Cloud or externally.

Oracle Field Service Cloud has now the ability to host more than 10 plugins that can be hosted within Oracle Field Service cloud. However, the plugin can be hosted on different server as well.

The steps to host a Plug-In within Oracle Field Service cloud is documented in <u>https://docs.oracle.com/en/cloud/saas/field-service/21a/fapcf/configure-and-use-plug-ins.html#c hostingPlugins</u>

The plugins can be hosted externally on:

- Any webserver (example: Tomcat) running on a virtual machine either on premise or on cloud
- It can be stored In Object Storage on a cloud instance by uploading the files either in a public bucket

Additionally, if the plugins are hosted externally:

- 1. Navigate to **Configuration > Application > Additional Resources**.
- 2. Select Allow Cross-origin resource sharing (CORS) from the following web domains and provide the domain of the server on which the plugins are hosted.

Hosting Files on a Web Server

Plugins can be hosted on a webserver running on a virtual machine either on premise or on cloud. The mobile device or browser needs to be able to reach and communicate with the server hosting the plugin files.

Please refer to the documentation of the webserver of choice on how setup and host the static content. The unzipped files of the plugin is then hosted on the webserver. The path to the index.html or the directory containing the index.html is configured in the URL field of the plugin screen as defined in: https://docs.oracle.com/en/cloud/saas/field-service/21a/fapcf/configure-and-use-plug-ins.html#configure-and-use-plug-ins

The externally hosted plugin can be secured and Oracle Field Service Cloud supports authentication mechanism as defined in:

https://docs.oracle.com/en/cloud/saas/field-service/21a/fapcf/configure-and-use-plugins.html#c authentication

Storing files on Object Storage

Before storing files in Object Storage make sure the basic administration tasks in Oracle Cloud Infrastructure related to Object Storage are complete and the compartments and buckets where the plugin files are stored are set up.

For more information on Oracle Cloud Object Storage setup for Oracle Utilities Cloud Services, refer to Oracle Utilities Cloud Services Object Storage Setup Guide at:

https://docs.oracle.com/cd/F35460_01/PDF/UGBU_Cloud_Services_Object_Storage_Setup_20C.pdf

Using Public Bucket

The unzipped plugin files can be uploaded into a public bucket in which case the files are not protected and is open to public. The URL to index.html in the public bucket is configured in URL field in Oracle Field Service Cloud.

Chapter 7: Equipment Support in OFSC

The Oracle Field Service Cloud screens are enhanced to support equipment that includes attaching, detaching, and replacing or exchanging which comes as part of activity from the source application.

The equipment includes support at service point level, meter level measuring component level.

This chapter includes the following:

- <u>Pre-requisites</u>
- Equipment Screens
- Undo Attach
- <u>Replace Equipment</u>
- Exchange Meter

Pre-requisites

To support equipment in Oracle Field Service Cloud create the following inventory types:

- MERT
- SERT
- CERT

To create an inventory type:

- 1. Login to Oracle Field Service Cloud with admin credentials.
- 2. Navigate to Configuration > Inventory types.
- 3. Click Add New.

Add inventor	y type	×
* Label Active Non Serialized		
Model Propert	У	~
* Name * English SpanishLA Portuguese (Br	razil)	
Close		Save

- 4. Enter 'MERT' in the **Label** field.
- 5. Select 'inventory_model' from the Model Property drop-down list.
- 6. Enter the name in the Name field against the language.
- 7. Click Save.

Edit inventory	type: "Meter"	×
* Label	MERT	
Active		
Non Serialized		
Model Property	Model [inventory_model]	
*Name		
*English	Meter	
SpanishLA		
Portuguese (Bra	azil)	
Close		Save

8. Repeat steps 4 to 7 to create other inventory types.

Equipment Screens

Oracle Field Service Cloud includes the following screens to attach an equipment:

- <u>Attach Equipment to Service Point</u>
- Attach Equipment to Meter
- <u>Attach Equipment to Measuring Component</u>

Attach Equipm	ent		
Equipment Leve	ł*:	· · · · · · · · · · · · · · · · · · ·	
ок	Canant	Attach to Service Point Attach to Meter	
OK	Cancel	Attach to Measuring Component	

Attach Equipment to Service Point

This screen allows to attach an equipment to the Service Point.

Equipment Details	
Attach Equipment to Service Point	
Badge Number*:	[m]
Serial Number:)u(
Submit Dismiss	

Provide the badge number and/or serial number to verify the equipment. After the verification is successful, equipment navigates to the **Attached** screen labeled 'SP'.

Attached 1	
SP Badge No: SP-ERT2 Serial No: SP-ERT2 Description: C2M-OFSC-SP_AssetType	1
SP Badge No: SP-ERT2 Serial No: SP-ERT2 Description: C2M-OFSC-SP_AssetType	1

Attach Equipment to Meter

This screen allows to verify the attach. After the verification is successful, equipment will be attached to Meter.

Equipment Details Attach Equipment to M	stor		
Badge Number*:)0(
Serial Number:		[m]	
Submit	lismiss		

Provide the badge number and/or serial number and click **Submit**. After the verification is successful, equipment navigates to the **Attached** screen labeled with Meter.

🛃 Installed 1	
Neter Equipment: Badge No: M-ERT2 . Serial No: M-ERT2 . Description: CCS-OFSC_Meter_Type	1

Attach Equipment to Measuring Component

This screen allows you to verify the attach. After successful verification, equipment will be attached to Measuring Component.

Unit Of Measure*:	Kilowatt hour	.	
Time Of Usage:	Peak		
Service Quantity Identifier:	Peak	w	
Equipment Details Attach Equipment to Measuring C	Component		
Attach Equipment to Measuring C Badge Number*:	Component	jul w	
Attach Equipment to Measuring C	Component)u()u(

Enter the Unit Of Measure, Time Of Usage, Service Quantity Identifier and Badge Number and/or Serial Number. Click **Submit**. After verification is successful, equipment navigates to the **Installed** screen labeled with Measurement Component.

- 🚰 Installed 1	
Measuring Component Equipment: Badge No: C-ERT2, Serial No: C-ERT2, Description: CCS- OPSC_Meter_Type, UOM: KWH, TOU! Peak, SQI: Peak	-1
OFSC_Meter_Type . UOM: KWH . TOU! Peak . SQI: Peak	

Undo Attach

After attaching an equipment, it can be detached.

To undo an equipment attach:

1. Click the attached equipment. The equipment details are displayed along with the Undo Attach option.

Daviativent lievett	Measuring Composent	
Easign burger	c-exta	
Invial Newman	0.0012	
Determ Tager Descriptions	123-DFUC_Meter_Type	
Livet of Measurem.	Ol01 Faat	
Error of Dom		
Farvery Quantity Internation	Read	

- 2. Click **Undo Attach**. A confirmation alert is displayed.
- 3. Click **Yes** to delete the equipment from the inventory.



Replace Equipment

The existing equipment can be replaced from the Service Point or Meter or Measuring Component level.

To replace an existing equipment:

1. Navigate to the **Existing** screen and click the equipment.

< Equipment			م ۵
0:32 🧙 Adjust			Attach Equipment
	A A Existing 2 Meanwing Component Equipment: Badge No: ET2, Serial No: ET2, UOM Kilowatt Hour, TOU: Peak, SQI Peak Meter Equipment: Badge No: ET1, Serial No: ET1	1	

2. Click Replace.

< Asset/Equipment Details	a.	۹ ¢
0.52 👰 Adjust		Detach Replace
	WARNELINGS AND IN THE REAL PROPERTY OF THE PRO	
Equipment Level	Metar	
Badge Number:	ETI	
Serial Number	ETI	
Attach Date Nime	2021-01-08-00-30-00	
etach Replace		
etach Replace Equipment Lavel.	58	
	5# R-5P-6R7	
Equipment Level		

3. Enter the Badge Number and/or Serial Number values to verify. Click Submit.

Equipment Details	
Replace Equipment at Meter	
Badge Number*:	<u>(</u> 10)
Senal Number:	ju(
Submit Dismiss	

The existing equipment is added to the **Detached** screen and the new equipment appears in the **Installed** screen.

< Equipment				Q	۵	
0.37 👰 Adjust			Attach	Equipm	nerri -	
		1	-ennin			
	Detached Meter Equipment: Badge No. ET1, Secial No. ET1	1				

Exchange Meter

Meter from the Service Point can be exchanged with a new meter. You can either move all equipment attached to the existing meter to the new meter or attach new equipment to the new meter.

After verifying the new device, Equipment screen displays the following options:

- <u>Attach Equipment</u>
- Move Equipment to New Meter

Answring Component Equipment: Badge No: C-FR-3 : Serial No: C-FR-3 . UOM: KWH . TOU: Peak . SQI: leak:	1
Anter Equipment: Badge No: M-FR-3 , Serial No: M-FR-3	1

Attach Equipment

This attach screen similar to attach equipment screen which is used to verify the equipment and install the equipment to new meter.

Equipment Details	
Attach Equipment to Meter	
Badge Number*:	[10]
Serial Number:	[0]
Submit Dismiss	

Move Equipment to New Meter

This screen allows you to move all equipment attached to the existing meter to the new meter.

- 🕂 Existing 2	
Measuring Component Equipment: Badge No: C-FR-3 , Serial No: C-FR-3 , UOM: KWH. TOU: Peak , SQI: Feak	3
Meter Equipment: Badge No: M-FR-3 . Serial No: M-FR-3	1

Click Move Equipment to New Meter to move all the equipment of old meter to installed screen.

a 🖆 Installed .2
Measuring Component Epidement: Badge No: C-FR-3 . Serial No: C-FR-3 . UOM: KWH . TOU Peak . SO: 1 Page
Meter Equipment: Batge No. M-U-3, Serial No. M-U-1

Note: we can undo the Equipment move by clicking on Undo Equipment Move button.

Custom Activities Support for Move Equipment to New Meter

Currently, the Exchange Meter and Meter Disconnect activities support the Move operation. It does not work for other operations.

To support custom activities:

- 1. Configure the Custom Activity property.
 - a. Login to Oracle Field Service Cloud.
 - b. Navigate to **Properties** and search for "c2m_ert_custom_move_act_types" property.

<	Con	figuration Properties		View =	Add mew	Export	impofi
	ю	Property name =	Property Label	Type	Latty	GUN	Actives
	1755		c2m_ert_cestom_mine_act_types	enumerature	Adhib	combobax	Modely
							1.1.0

c. Click **Modify** and add the custom activity to the property.

Modify Property		×
Clone property data on Reopen or Prework		^
Enumeration values		_
* English	Move Registers [Movi]	
SpanishLA		
Portuguese (Brazil)		
Active	Add Change	
Values	Meter Disconnect[Meter Discor Meter Exchange[Meter Exchang Meter Exchange[Meter Exchang Move Registers[Move ERT Reg Move Registers[Move Register	
Cancel	Update	~

Syntax: [description][Activity type label]

d. In the **English** field, enter the description and Activity type label.

Example: Move Registers[Move ERT Registers]

- e. Click **Update**. The value is updated in the property list.
- 2. Add the Condition to the Move Register operation in Inventory Grid.

After adding the custom activity to property, add the custom activity type to the inventory grid condition.

- a. Login to Oracle Field Service Cloud.
- b. Navigate to **Configuration > User Type > C2M OFSC**.

c. Navigate to Screen Configuration > Inventory Grid.

text layout structure > C2M OFSC > Inventory grid		
Buttons		
Attach Equipment		
Move Equipment to New Meter		
Undo Equipment Move		
Click to add		

d. Click Move Equipment to New Meter operation and add the condition as below.

[Move Equipment to New Meter] visibility	×
Access Mode: Read-only	
Conditions for field visibility:	
Activity Level Equipment Action not in (not equal) (Copy, Remove)	2
Activity type [awor ~ in (equal) ~ +	✓ Delete
(Meter Exchange, Move Registers)	
2Meter #is not empty	0
Activity status in (equal)	0
Started	
Add new condition	
Cancel	Save

- e. Select the custom activity type from list of activity types available in the Oracle Field Service Cloud environment.
- f. Click Save.
- g. Add the same condition for the **Undo Equipment Move** operation.

Chapter 8: Attachments Support in OFSC

The Oracle Field Service Cloud screens are enhanced to support attachments at service point level, existing meter level, new meter level and activity level.

This chapter includes the following:

- <u>Pre-requisites</u>
- <u>Attachment Screens</u>
- <u>Customer Signature</u>

Pre-requisites

To support attachments at various levels, import Attachments_Plugin.xml into the Oracle Field Service Cloud environment.

To import plugins into Oracle Field Service Cloud:

- 1. Login to Oracle Field Service Cloud with Admin credentials.
- 2. Navigate to Configurations > Forms & Plugins.

CRACLE' Field Service		ñ	5			Q	Þ	4
< Configuration Forms & Plugins	Waw -	Abor	2017	Add Phugin	ExportPhagena	37	oort Pluge	•

- 3. Click Import Plugins.
- 4. Upload the Attachments_Plugin.xml file and import.

Attachment Screens

As part of 20C changes, a technician can upload the attachments at the following levels.

- Attachments at Service point
- Attachments at New Device
- Attachments at Existing Device
- Attachments at Activity

Attachments at Service Point

The Technician can upload the attachments of below Mime types at Service Point level in Oracle Field Service Cloud.

- image/gif
- image/jpeg
- text/plain
- text/html
- video/mpeg

- audio/x-wav
- application/zip
- application/vnd.ms-excel
- application/pdf
- application/msword

The figure below shows the **Attachment** option available in the **Service Point** section.

Service Point ID:	545481408139	
Premise Type:	Single family home	
Life Support:	None	
Device Location:		
Device Location Details:		
Warnings:		v
Instructions:		*
Instruction Details :		
Service Point Attachment		

After uploading the attachments, saved and unsaved attachments can be viewed as shown below.

Attachment		
Attacts	Browse, Maximum the same limit in 3 MD.	
Connerts		
Saved Atlachments 1 ang Umawed Atlachments 2,049=		
\/piload SA	Distins	

Attachments at New Device

A Technician can upload the attachments of below Mime types at New Device level in Oracle Field Service Cloud.

- image/gif
- image/jpeg

- text/plain
- text/html
- video/mpeg
- audio/x-wav
- application/zip
- application/vnd.ms-excel
- application/pdf
- application/msword

The figure below shows the **Attachment** option available at the **New Device** section.

New Meter Details		
Verify Device		
Manual Entry:	No O Yes	
Badge Number:	R01	
Status:	Verification Successful	
Configuration Type:	Simple Electrical Residential	-
Meter Location:		-
Manufacturer:	Accumeter	•
Model:	IND1300	-
Status Left*:		-
New Meter Attachments		

After uploading attachments, saved and unsaved attachments can be viewed as below.

Attachment		
Attacn	Browbe	
Comments		
Saved Attachments 1.(peg - Unsaved Attachments 2.(029 -		
Upload Sav	ve Diamiss	

Attachments at Existing Device

A Technician can upload the attachments of below Mime types at Existing Device level in Oracle Field Service Cloud.

- image/gif
- image/jpeg
- text/plain
- text/html
- video/mpeg
- audio/x-wav
- application/zip
- application/vnd.ms-excel
- application/pdf
- application/msword

The figure below shows the **Attachment** button available in the **Existing Device** section.

Existing Meter Details		
Badge Number:	20C	
Configuration Type:	Simple Electrical Residential	
Manufacturer:	Accumeter	
Model:	IND1300	
Device Type:	TEST_DV_TYPE	
Status Found*:		•
Status Left*:		•
Existing Meter Attachments		

After uploading attachments, saved and unsaved attachments can be viewed as below.

Attachment		
Atlach	Browse Maximum file size limit is 5 MB.	
Comments		
aved Attachments geg - nsaved Attachments ISS9_		
Upload	Save Diamas	

Attachments at Activity

A Technician can upload the attachments of below Mime types at Activity level in Oracle Field Service Cloud.

- image/gif
- image/jpeg
- text/plain
- text/html
- video/mpeg
- audio/x-wav
- application/zip
- application/vnd.ms-excel
- application/pdf
- application/msword

The figure below shows the **Attachment** button available in the **Attachments at Activity** section.

Service Informatic		
Activity Type:	Meter Exchange	
Site Address:	696 E ALTAMONTE DR ERT2	
Work Orden	41609511184302	
Status	Started	
Scheduling Inform	nation	
Start - End:	04:40 AM - 05:28 AM	
Duration:	48 minutes	
Activity Attachments		

After uploading attachments, saved and unsaved attachments can be viewed as below.

Attachment		
Attach	Browse Maxmum file size and is 3 km	
Comments		
Saved Attachments 1, peg - Unsaved Attachments 2, peg -		
Upload Sav	ve. Diamss	

Customer Signature

As part of the 20C changes, Oracle Field Service Cloud is enhanced to allow technicians to take the customer signature before completing an activity and Oracle Integration Cloud sends the customer signature to Oracle Utilities Customer Cloud Service as part of activity completion information.



After the customer signs in the **Customer Signature** field, the technician clicks **Submit** to complete the activity.

Note: Use Clear to clear the customer signature.

Chapter 9: Admin Sync Support in OFSC

As part of the 21A release, the Admin Sync flow is introduced to sync the service point data, activity types, activity data, device data and register data to Oracle Field Service Cloud. Hence, the end user need not configure any data on the Oracle Field Service Cloud side.

This chapter includes:

- <u>Service Point Data Sync</u>
- <u>Activity Types Sync</u>
- Device Data Sync
- <u>Register Data Sync</u>

Admin sync flow does not override existing data. However, it is recommend to take a backup of Oracle Field Service Cloud data for the customers who are already implementing Oracle Customer Care Cloud Service integration to Oracle Field Service Cloud before running the Admin Sync flow for the first time.

Service Point Data Sync

The service point data is synced to Oracle Field Service Cloud when the Admin Sync flow runs successfully. The Oracle Field Service Cloud enum properties shown below are updated with Admin data.

Property Label	Description
c2m_premise_type	Premise Type
c2m_Service_type	Service Type
c2m_SP_instructions	SP Instructions
c2m_SP_warnings	SP Warnings
c2m_disconnect_location	Disconnect Location

Example data of property:

Modify Property	
Clone property data on Reopen or Prework	D
Enumeration values	
* English	1 1
SpanishLA	
Portuguese (Brazil)	
Active	Add Change
Values:	Apartment[APT] City street[CITY 5T] Commercial - targe[COM-BIG] Commercial - smallCOM-BIG] Commercial - smallCOM-BIG] Factory - targe[FAC-BIG] Factory - targe[FAC-BIG]
Cancel	Option

Customization

If the end user wants to add new properties related to service point and the data should sync to the property through Admin Sync flow, follow the steps below.

- 1. Identify whether the data comes from a table, standard lookup or extendable lookup from Oracle Utilities Customer Cloud Service.
- 2. Navigate to the request mapper and hardcode the value based on the entities.



3. Navigate to the SOMOFSC_Sync_ServicePointData lookup and add the tablename, standard lookup name or extendable lookup name in the **SOM_Entity** column and property label in the **property_label** column.

< 🗈 SOMOFSC_Sync_ServicePointData	
Lookup	Last Saved: Tue, Feb 9th, 2021 GR 11:31 FM IST
Create a lookup to associate the different values used by your applications. When you	u create an integration, you can use this lookup to auto-map these volves.
Sold_Souly =	OFEC_PropertyLabel *
C_PREM_TYPE	c2m_premise_type
D1_SVC_TYPE	clm,Senka,type
D1-SPinitructionLookup	x2m_SP_instructions
D1-SPWarringLookup	c2m_SP_warnings
DSCONNLOC, R.G	c2m_disconnect_location

Activity Types Sync

The Activity Types automatically syncs to Oracle Field Service Cloud when the Admin Sync flow runs successfully. Hence, there is no need to create the activity types manually.

Customizations

The end user can skip the activity types sync using config property in SOMOFSC_ConfigProps lookup.

Config property: som.adminsync.activitytypes.sync

By default, the property value is delivered as 'false'. Change the property value to 'true' to sync activity types as part of Admin Sync. The activity type features/colors can be customized. These properties can be modified using the SOMOFSC_ActivityTypeConfigProps lookup.

Below are the some important properties and the values delivered as part of the 21A release.

Property Name	Default value	Comments
groupLabel	Customer	Change this value if end user
		wants to create activity types
		in another group.
timeslots.label	all-day	Change this value if end user
		want to set the another time
		slot by default.
duration	48	Change this value if end user
		want to extend the activity
		duration
features.isTeamworkAvailable	FALSE	Change this value if the activity
		supports the team work
features.allowMoveBetweenResources	TRUE	Change this value if end user
		want to do not allow activity
		type between resources
features.supportOfTimeSlots	TRUE	Chang this value if activity type
		does not support time slots
features.supportOfWorkZones	TRUE	This property enables the
		works zone support.
features.supportOfWorkSkills	TRUE	This property enables the
		support of work skills
features.supportOfInventory	TRUE	This property enables the
		support of inventories.
features.allowCreationInBuckets	TRUE	This property enables the
		activity creation in buckets.

Note : As part of Admin Sync all activity types in the Field Task Type extendable lookup will be synced to Oracle Field Service Cloud.

Device Data Sync

The following device information will be synced in Oracle Field Service Cloud when the Admin Sync flow runs successfully. Hence, there is no need to add the data to the Oracle Field Service Cloud properties manually.

- Device Manufacturer
- Device Model

- Device Configuration Type
- Device Types
- Device Head End System

Device Manufacturer

The following Oracle Field Service Cloud properties will sync with device manufacturer data created in Oracle Utilities Customer Cloud Service.

Property Description	Property Label
New Item Manufacturer	c2m_newitem_manufacturer
Existing Item Manufacturer	c2m_item_manufacturer
New Meter Manufacturer	c2m_newmeter_manufacturer
Existing Meter Manufacturer	c2m_meter1_mfg

Device Model

The following Oracle Field Service Cloud properties will sync with device model data created in Oracle Utilities Customer Cloud Service.

Property Description	Property Label
New Meter Model	c2m_newmeter_model
Existing Meter Model	c2m_meter1_model
New Item Model	c2m_newitem_model
Existing Item Model	c2m_item_model

Device Configuration Type

The following Oracle Field Service Cloud properties will sync with device configuration data created in Oracle Utilities Customer Cloud Service.

Property Description	Property Label
New Meter Configuration Type	c2m_new_meter_type
Existing Meter Configuration Type	c2m_meter1_type
New Item Configuration Type	c2m_new_item_type
Existing Item Configuration Type	c2m_item_type

Device Types

The following Oracle Field Service Cloud properties will sync with device types data created in Oracle Utilities Customer Cloud Service.

Property Description	Property Label
New Meter Device Type	c2m_newmeter_devicetype
Existing Meter Device Type	c2m_deviceType
New Item Device Type	c2m_newitem_deviceType
Existing Item Device Type	c2m_item_device_type

Device Head End System

The following Oracle Field Service Cloud properties will sync with device head end system data created in Oracle Utilities Customer Cloud Service.

Property Description	Property Label
New Meter Head End System	c2m_newmeter_headend
Existing Meter Head End System	c2m_headendSystem

Customizations

To add new elements related to device data, such as manufacturer, model, configuration type, device types or head end system:

- 1. Create the property in Oracle Field Service Cloud.
- 2. Configure the property count in SOMOFSC_ConfigProps lookup.

Below are the configuration properties to be modified as part of the Device Data sync.

Property Name	Default Value	Comments
som.adminsync.configurationtype.properties.count	4	Change the value if you want to add new property for configuration type
som.adminsync.manufacturer.properties.count	4	Change the value if you want to add new property for manufacturer
som.adminsync.model.properties.count	4	Change the value if you want to add new property for model
som.adminsync.devicetypes.properties.count	4	Change the value if you want to add new property for device types
som.adminsync.headendsystem.properties.count	2	Change the value if you want to add new property for head end system

•	SOMOFSC_ConfigProps		5pre
Locks	P	1025 Last Saved: Weit, Mar 3rd, 2021 06/2013 PM IET	T
Create	a lookup to associate the offerent values used by your applications. When you creat	is an integration, you can use the lookup to auto-map these values.	
	PropertyName *	Value *	+
1	som administric configuration/typeproperties.count	10 P	•
8	som administric manufacturer properties count	4	
-	som administric mödel properties.count	4	
8	som administric devicetypes properties count	a)	
8	som administric headendity/tem.properties.count	1	
8	somadming/nc.ucm.properties.count	6	
8	som administric up properties.count	E)	
8	somadmingenclouproperties.count	0	
-	chicaddressdefmitae		

3. Once the value of the configuration properties are changed based on the requirement, add the property label in the lookup based on the property that belongs to manufacturer, model or configuration type.

4. Add the property label to the lookup if the property belongs to Configuration type.

	SOMOFSC_Sync_DeviceConfigur		10
ooku	p	Last Saved: Tue: Feb 10th, 2021 12:33:55 FM 157	1.3
-	a lookup to associate the different values used by your applications. When y	you create an integration, you can use this lookup to auto-map these values.	
	Site *	OPSC,PropertyLabel =	+
Ŷ.	1	c2m_meter1_type	
2	2	<2m,hex.jmete_type	
	5	c2m_ham_type	
8			

5. Add the property label to the lookup if the property belongs to manufacturer.

٠.	SOMOFSC_Sync_DeviceManufacturerData		Save	
Lookii		Last Saved: Tue: Feb 16th, 2001 1232-18 PM 107	THE OF	
Create a	indup to associate the different values used by your applications. When yo	su create an integration, you can use this lookup to auto-map these values.		
	52kp =	CFSC_PropertyLabel *	+	
	1.	42m, reartem, manufacturer		
	2	(2m_tem_manufacturer		
8	1	compression prandicture		
	4	c2m_meter1_mfg		

6. Add the property label to the lookup if the property belongs to model.

٠	SOMOFSC_Sync_DeviceModel	Data Record	Save
Look	ib.	Last Saved: Tue, Feb 1889, 2021 12:31:00 PM IST	Ŧ
Creaty	a lookup to associate the different values used by your applications. Wh	en you create an integration, you can use this lookup to auto-map these values.	
	5.N0 *	OFSC_PropertyLabel +	+
-	1.	c2m_meter1_model	
-	2)	c2m_novimeter_model	
Ŧ	3	c2m_bom_model	
-		s2m_neetien_model	

7. Add the property label to the below lookup if the property belongs to device types.

	SOMOFSC_Sync_DeviceTypesDa	ata 🔤	Say
ooku	2	Last Savet Tue, Feb 38th, 3021 122931 RM IST	1
autie i	to exact at the different values used by your applications. Whe	n you create an integration, you can use this lookup to auto-map these values.	
	5.No =	OFSC_PropertyLabel *	+
ŧ.	E.	c2m,SeviceType	
	1	c2m,5eviceType c2m,revenueler,dericetype	
8 8	1 2 2		

8. Add the property to the below lookup if the property belongs to head end system.

*	SOMOFSC_Sync_DeviceHeadEnd	ISystemData states	Save
Looku	p	100% Last Saved: Twe Peb 10th 2021 12:28:43 PM 157	3
Overe	a lookup to associate the different values used by your applications. When	you create an integration, you can use this lookup to auto-map these values.	
	£200 *	DRIC PropertyLabel *	+
\$	1	Chr.ywmithr, Neopord	
	3	(2m) PeadendSystem	

Register Data Sync

When the Admin Sync flow runs successfully, the following register data will be synced to Oracle Field Service Cloud. Hence, the data need not be entered manually at the Oracle Field Service Cloud side.

- Unit of Measure
- Time of Usage
- SQI

Unit of Measure

The following properties will be synced with unit of measure data in Oracle Utilities Customer Cloud Service.

Property description	Property label
Unit of Measure 1	c2m_meter1_uom
Unit of Measure 2	c2m_meter1_uom2
Unit of Measure 3	c2m_meter1_uom3
Unit of Measure 4	c2m_meter1_uom4
Unit of Measure 5	c2m_meter1_uom5
ERT Unit of Measure	c2m_ert_uom

Time of Usage

The following properties will be synced with time of usage data created in Oracle Utilities Customer Cloud Service.

Property description	Property label
Time of Usage 1	c2m_meter1_TOU1
Time of Usage 2	c2m_meter1_TOU2
Time of Usage 3	c2m_meter1_TOU3
Time of Usage 4	c2m_meter1_TOU4
Time of Usage 5	c2m_meter1_TOU5
ERT Time of Usage	c2m_ert_tou

SQI

The following properties will be synced with SQI data created in Oracle Utilities Customer Cloud Service.

Property description	Property label	
SQI 1	c2m_meter1_sqi	
SQI 2	c2m_meter1_sqi2	
SQI 3	c2m_meter1_sqi3	
SQI 4	c2m_meter1_sqi4	
SQI 5	c2m_meter1_sqi5	
ERT SQI	c2m_ert_sqi	

Customizations

The end user can create property of UOM, TOU or SQI type.

To add to Admin Sync without touching the Admin Sync flow:

- 1. Create the property in Oracle Field Service Cloud.
- 2. Modify the value in the below configuration properties based on the property. These properties should be modified as part of register sync.

Property Name	Default value	Comments
som.adminsync.uom.properties.count	6	Change this value if the
		property is created for UOM.
som.adminsync.sqi.properties.count	6	Change this value if the
		property is created for SQI.
som.adminsync.tou.properties.count	6	Change this value if the
		property is created for TOU.

•	SOMOFSC_ConfigProps		Say
ookup		Last 1	Saved: Wed. Mar and 2021 0620-19 PM IST
inste :	i lookup to associate the different values used by your applications. When you create	n integration, you can use this lookup to auto-map these values.	
	Property/Name *	Value *	+
8	som adminisync languagecode	eng	
-	som administra configuration type properties count	1(4	
1	som administre manufacturer, properties, count		
2	somadminight.model.properties.count	4	
8	somadming/nc.devloetypes.properties.count	24	
8	som administric headendkystem properties count	4	
1	somadministric uom properties count	(c	
ŧ	som administric. LQ properties count	e .	
-	somadmineync tou properties, count	4	-

3. Add the property label to lookup if the property belongs to UOM.

•	SOMOFSC_Sync_RegisterUOMDa	ita manan	<u>व्र</u> स
tooku	P	Last Saved: Fri. Seb 1965; 2011 11:35:09 AU	M 157 🔡 🗏
Criate a	I lookup to associate the different values used by your applications. When	ou create an integration, you can use this lookup to auto-map these values.	
	SNo +	OFSC_PropertyLabel *	+
Ŧ		c2m_meter1_uom	
Ŧ		clm_metert_uom2	
*	1	clm_meter_ucm3	
-	4	c2m_meter1_ucm4	
-	1	2m_meter1_ucm3	
1	4	c2m,art.uom	

4. Add the property label to the lookup if the property belongs to TOU.

۲.	SOMOFSC_Sync_RegisterTOUDa	ta Column	Save
Lopitu	p.	Last Seveed: Micri, Peb 22nd, 2021 02:56:07 PW IST	1
Create a	a lookup to associate the different values used by your applications. When	you create an integration, you can use this tookup to auto-map these values.	
	LAm 7	OFFIC PropertyLabel *	+
\$	1	-c2m_mwtwr1_TOU1	
2		s2m_meter1_TOU2	
-	3	com_meter1_TOUR	
÷.	* /	c2m_mater1_TOL4	
8	±2	c2m_meter1_TOUS	
2	•	(2mjert, tro)	

5. Add the property label to the lookup if the property belongs to SQI.

•	SOMOFSC_Sync_RegisterSQIDat	a mana	Save
Looku	P	Last Saved: Pri, Feb 19th, 2021 045820 PM IST	1
Create	a lookup to associate the different values used by your applications. When	you create an integration, you can use this lookup to auto map these values.	
	5N0 *	OFSC, Property Label *	+
		c2m_meter t_up	
8	2	chr_miwit_uq2	
8	3	(Jn,meter).spl	
-	4	chm,meter1,up4	
-	5.	c2m_meter3_sq5	
	6	(2m, ert, 1g)	