

**Oracle Functional Testing Advanced
Pack for Oracle Utilities**

Release Notes

Release 5.0.1

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Preface

This Release Notes provides an overview of the new features, enhancements, known issues, and other changes in Oracle Functional Testing Advanced Pack for Oracle Utilities, Release 5.0.1. Note that the product is referred to as Oracle Functional Testing Advanced Pack for Oracle Utilities v5.0.1 or OFTAPOU v5.0.1 in this document.

The preface includes the following sections:

- [Audience](#)
- [Related Documents](#)
- [Notational Conventions](#)

Audience

This Release Notes is intended for anyone installing or using Oracle Functional Testing Advanced Pack for Oracle Utilities v5.0.1.

Related Documents

For more information, refer to these Oracle resources:

Installation, Administration, and Release Notes

- *Oracle Functional Testing Advanced Pack for Oracle Utilities Release Notes*
- *Oracle Functional Testing Advanced Pack for Oracle Utilities Installation and Administration Guide*

User Guides

- *Oracle Functional Testing Advanced Pack for Oracle Utilities User's Guide*
- *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Core*
- *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Oracle Utilities Mobile Workforce Management/ Oracle Real-Time Scheduler (v2.2.0.3)*
- *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Oracle Utilities Mobile Workforce Management/ Oracle Real-Time Scheduler (v2.3.0)*
- *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Oracle Utilities Customer Care and Billing (v2.4.0.3)*
- *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Oracle Utilities Customer Care and Billing (v2.5.0.1)*

- *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Oracle Utilities Customer Care and Billing (v2.5.0.2)*
- *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Oracle Utilities Work and Asset Management/ Oracle Utilities Operational Device Management (v2.1.1)*
- *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Oracle Utilities Meter Data Management / Oracle Utilities Smart Grid Gateway (v2.1.0.3)*
- *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Oracle Utilities Meter Data Management / Oracle Utilities Smart Grid Gateway (v2.2.0.0)*

Abbreviations and Common Phrases

The following abbreviations are used throughout this and other documents provided with the product:

OFTAPOU	Oracle Functional Testing Advanced Pack for Oracle Utilities
MDM	Oracle Utilities Meter Data Management
MWM	Oracle Utilities Mobile Workforce Management
WAM	Oracle Utilities Work and Asset Management
CCB	Oracle Utilities Customer Care and Billing
OFB	Oracle Flow Builder

Conventions

The following text conventions are used in this document:

Notation	Indicates
boldface	Graphical user interface elements associated with an action, terms defined in text, or terms defines in the glossary
<i>italic</i>	Book titles, emphasis, or placeholder variables for which you supply particular values
monospace	Commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter

Release Notes

This document provides general information about the Oracle Functional Testing Advanced Pack for Oracle Utilities 5.0.1 release, including new functionality, known issues, and other important information.

Prior to installing this release, it is important that you review all of the release notes and review your business processes as they relate to the new enhancements. There may be steps to complete or information to review before accepting the release. Refer to the *Oracle Functional Testing Advanced Pack for Oracle Utilities Installation and Administration Guide* for information regarding supported platforms and installation steps.

This document includes the following:

- [Release Overview](#)
- [New Functionality](#)
- [New Product Packs](#)
- [Re-certified Product Packs](#)
- [System Requirements](#)
- [Known Issues](#)

Release Overview

Oracle Functional Testing Advanced Pack for Oracle Utilities comprises test automation accelerators for automated testing of the Oracle Utilities applications.

This section provides general information about this release of Oracle Functional Testing Advanced Pack for Oracle Utilities.

The product packs that are part of this release are as follows:

- Oracle Functional Testing Advanced Pack for Oracle Utilities Core Pack
- Oracle Utilities Customer Care and Billing 2.5.0.2 Pack
- Oracle Utilities Customer Care and Billing 2.5.0.1 Pack
- Oracle Utilities Customer Care and Billing 2.4.0.3 Pack
- Oracle Utilities Meter Data Management/Oracle Utilities Smart Grid Gateway 2.1.0.3 Pack
- Oracle Utilities Meter Data Management/Oracle Utilities Smart Grid Gateway 2.2.0.0 Pack
- Oracle Utilities Mobile Workforce Management/ Oracle Real-Time Scheduler 2.2.0.3 Pack
- Oracle Utilities Mobile Workforce Management/ Oracle Real-Time Scheduler 2.3.0.0 Pack

- Oracle Utilities Work and Asset Management/ Oracle Utilities Operational Device Management 2.1.1.0 Pack

The Developer Tools that are part of this release are as follows:

- Component Generation Tool
- Component Schema Validation Tool
- Flow Upgrade Tool
- Password Encryption Tool

For more information about these tools, refer to the *Oracle Functional Testing Advanced Pack for Oracle Utilities User's Guide*.

New Functionality

The following sections provide details on the new features implemented in this release. While these notes provide high level information, refer to the *Oracle Functional Testing Advanced Pack for Oracle Utilities Installation and Administration Guide* and *Oracle Functional Testing Advanced Pack for Oracle Utilities User's Guide* for comprehensive guidelines.

Support for Building Integration Flows

Customers You can connect to multiple databases (by specifying details in the configuration.properties file). The databases that allow to build this capability also allow customers to build integration flows across other Oracle Utilities products. (such as Oracle Utilities Customer Care and Billing, Oracle Utilities Mobile Workforce Management, Oracle Utilities Work and Asset Management, and Oracle Utilities Meter Data Management)

For more information about connecting to multiple databases, see the **Appendix: Connecting to Multiple Databases** in *Oracle Functional Testing Advanced Pack for Oracle Utilities User's Guide*.

Integration Components

The product packs listed below contain integration specific components used in building the integration flows:

- Oracle Utilities Customer Care and Billing 2.5.0.2 Pack
- Oracle Utilities Mobile Workforce Management/ Oracle Real-Time Scheduler 2.3.0.0 Pack
- Oracle Utilities Work and Asset Management/ Oracle Utilities Operational Device Management 2.1.1.0 Pack
- Oracle Utilities Meter Data Management/Oracle Utilities Smart Grid Gateway 2.2.0 Pack

For more information about integration specific components, refer to the respective product's Reference Guide.

Support for Cloud Application Testing

Customers can create flows that can be executed on the Oracle Utilities applications hosted on Oracle Cloud.

The following product packs include components that can be used in building Cloud application testing flows:

- Oracle Utilities Customer Care and Billing 2.5.0.2 Pack
- Oracle Utilities Mobile Workforce Management/ Oracle Real-Time Scheduler 2.3.0.0 Pack
- Oracle Utilities Work and Asset Management/ Oracle Utilities Operational Device Management 2.1.1.0 Pack
- Oracle Utilities Meter Data Management/Oracle Utilities Smart Grid Gateway 2.1.0.2 Pack

- Oracle Utilities Meter Data Management/Oracle Utilities Smart Grid Gateway 2.2.0 Pack

For more information about integration specific components, refer to the respective product's Reference Guide.

Other Core Features

The other Core features are as follows:

- New Library to support cloud testing
- Detailed execution logs for debugging
- Support for log rotation
- Support for different types of security headers for Web service requests
- New keywords to allow loop mechanism in component
- Support for complex BO/BS schema structure

For more information about connecting to multiple databases, refer to the *Oracle Functional Testing Advanced Pack for Oracle Utilities User's Guide*.

New Product Packs

This section lists the new product packs built for Oracle Functional Testing Advanced Pack for Oracle Utilities.

- [Oracle Functional Testing Advanced Pack for Oracle Utilities Core](#)
- [Oracle Utilities Meter Data Management/ Oracle Utilities Smart Grid Gateway \(v2.2.0.0\)](#)

Oracle Functional Testing Advanced Pack for Oracle Utilities Core

Oracle Functional Testing Advanced Pack for Oracle Utilities for Core is a test starter pack built on top of Oracle Functional Testing Advanced Pack for Oracle Utilities that generates test automation scripts for Web services using Oracle Flow Builder.

Oracle Functional Testing Advanced Pack for Oracle Utilities for Core contains product-specific components to be used to build test flows in Oracle Flow Builder to test the Oracle Utilities Application Framework application. The components correspond to specific entities, such as business objects, service scripts, or business services used for interfacing with the application.

This release also contains two UI sample flows and a Web Service used to understand the flow creation process. These flows are listed as follows:

- **F1-ToDoFlow**

F1-ToDoFlow is a Web Service flow comprising the creation for ToDo Role, ToDo Type, ToDo Entry, Assign ToDo Entry, and Complete ToDo Entry, and also the completion life cycle of an ToDo.

- **F1-BatchExecution**

F1-BatchExecution flow demonstrates submitting the batch and receiving back the status.

- **F1-BundleImport**

F1-BundleImport flow includes reading the bundle content from the Attachment folder and applying the bundle. It returns the status and ID of the bundle objects in the Oracle Utilities application.

- **F1-InitialInstallOption**

F1-InitialInstallOption flow enables the source applications to set installation option(s) values in the Oracle Utilities application.

- **F1-OutboundMessageType**
F1-OutboundMessageType flow creates outbound message types.
- **F1-XAISender**
F1-XAISender flow creates an XAI sender in the Oracle Utilities application.
- **ToDoFlow (UI Flow)**
ToDoFlow includes the creation of ToDo Role, ToDo Type, ToDo Entry, and also to complete the ToDo Entry.
- **ToDoRoleFlow (UI Flow)**
ToDoRoleFlow is a UI flow that includes the Create, Read, Update and Delete operations of ToDo Role.

For more information about these sample flows, see the **Sample Work Flows** chapter in *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Core*.

Oracle Utilities Meter Data Management/ Oracle Utilities Smart Grid Gateway (v2.2.0.0)

Oracle Functional Testing Advanced Pack for Oracle Utilities for Meter Data Management/ Oracle Utilities Smart Grid Gateway is a test starter pack built on top of Oracle Functional Testing Advanced Pack for Oracle Utilities that generates test automation scripts for Web services using Oracle Flow Builder.

Oracle Functional Testing Advanced Pack for Oracle Utilities for Meter Data Management/ Oracle Utilities Smart Grid Gateway contains product-specific components to be used to build test flows in Oracle Flow Builder to test the Oracle Utilities for Meter Data Management/Oracle Utilities Smart Grid Gateway applications. The Oracle Utilities for Meter Data Management/ Oracle Utilities Smart Grid Gateway components correspond to specific entities, such as business objects, service scripts, or business services used for interfacing with the application.

This release also contains two Meter Data Management sample flows used to understand the flow creation process. These flows are listed as follows:

- **Demo Interval**
The Demo Interval flow includes creation of a Smart Meter, adding device configuration and interval measuring components to the Smart Meter, loading Initial Measurement Data (IMD) on the meter, and creating usage transactions.
- **Demo Scalar**
The Demo Scalar flow includes creation of a Manual Meter, adding device configuration and scalar measuring components to the Manual Meter, loading Initial Measurement Data (IMD) on the meter, and creating usage transactions.

This release contains a sample Cloud sanity flow that demonstrates how a flow can be created for a Cloud environment.

- **MDM-SGG_Cloud_Environment_Sanity Sample**
The MDM-SGG_Cloud_Environment_Sanity flow is used to verify On demand Read scalar for a device on a Cloud environment which is an initial install environment.

The release also includes the following Smart Grid Gateway sample flows to understand the flow creation process:

- **Itron Sample**
The Itron sample flow includes creation of an Itron Smart Meter, adding device configuration and scalar measuring components to it, adding the Meter in Itron test harness, and performing various commands on the Meter.

- **Landis + Gyr Sample**

The Landis + Gyr sample flow includes creation of an LG Smart Meter, adding device configuration and scalar measuring components to it, adding the Meter in LG test harness, and performing various commands on the Meter.

- **Echelon Sample Flow**

The Echelon sample flow includes creation of an Echelon Smart Meter, adding device configuration and scalar measuring components to it, creating service point and install event, and performing various commands on the Meter.

- **Sensus Sample Flow**

The Sensus sample flow includes creation of an Sensus Smart Meter, adding device configuration and scalar measuring components to it, adding the Meter in Sensus test harness, and performing various commands on the Meter.

- **SSN Sample Flow**

The SSN sample flow includes creation of an SSN Smart Meter, adding device configuration and scalar measuring components to it, adding the Meter in SSN test harness, and performing various commands on the Meter.

- **MDM-SGG_Cloud_Environment_Sanity Sample Flow**

The MDM-SGG_Cloud_Environment_Sanity flow is used to verify On demand Read scalar for a device on a Cloud environment which is an initial install environment.

For more information about these sample flows, see the **Sample Work Flows** chapter in *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Oracle Utilities for Meter Data Management/Oracle Utilities Smart Grid Gateway (v2.2.0.0)*.

Re-certified Product Packs

This section describes the product packs that have been re-certified for this release.

- [Oracle Utilities Mobile Workforce Management \(v2.2.0.3\)](#)
- [Oracle Utilities Mobile Workforce Management \(v2.3.0.0\)](#)
- [Oracle Utilities Customer Care and Billing \(v2.4.0.3\)](#)
- [Oracle Utilities Customer Care and Billing \(v2.5.0.1\)](#)
- [Oracle Utilities Customer Care and Billing \(v2.5.0.2\)](#)
- [Oracle Utilities Work and Asset Management/ Oracle Utilities Operational Device Management \(v2.1.1.0\)](#)
- [Oracle Utilities Meter Data Management/ Oracle Utilities Smart Grid Gateway \(v2.1.0.3\)](#)

Oracle Utilities Mobile Workforce Management (v2.2.0.3)

Oracle Functional Testing Advanced Pack for Oracle Utilities for Mobile Workforce Management and Oracle Real-Time Scheduler is a test starter pack built on top of Oracle Functional Testing Advanced Pack for Oracle Utilities that generates test automation scripts for Web services using Oracle Flow Builder.

Oracle Functional Testing Advanced Pack for Oracle Utilities for Mobile Workforce Management and Oracle Real-Time Scheduler contains product-specific components to be used to build test flows in Oracle Flow Builder to test the Oracle Utilities Mobile Workforce Management and Oracle Real-Time Scheduler applications. The Oracle Utilities Mobile Workforce Management components correspond to specific entities, such as business objects, service scripts, or business services used for interfacing with the application.

This release also contains three sample flows used to understand the flow creation process. These flows are listed as follows:

- **Non-MDT Sanity**

The Non-MDT Sanity flow comprises the creation and completion life cycle of an M1 activity - break, non-productive task (NPT), and real period of unavailability (POU), along with the crew shift.

- **MDT Sanity**

The MDT Sanity flow includes the creation and completion of an activity, break, non-productive task (NPT), and real period of unavailability (POU) using connected MCP.

- **NextGen Sanity**

The MDT flow includes the creation and completion of an activity, break, non-productive task (NPT), and real period of unavailability (POU) using NextGen MCP.

- **M2 Non-MDT**

The M2-Non-MDT flow includes the creation and completion of M-Activity (for example: Install Meter Activity).

For more information about these sample flows, see the **Sample Work Flows** chapter in *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Mobile Workforce Management/ Oracle Real-Time Scheduler (v2.2.0.3)*.

Oracle Utilities Mobile Workforce Management (v2.3.0.0)

Oracle Functional Testing Advanced Pack for Oracle Utilities for Mobile Workforce Management and Oracle Real-Time Scheduler is a test starter pack built on top of Oracle Functional Testing Advanced Pack for Oracle Utilities that generates test automation scripts for Web services using Oracle Flow Builder.

Oracle Functional Testing Advanced Pack for Oracle Utilities for Mobile Workforce Management and Oracle Real-Time Scheduler contains product-specific components to be used to build test flows in Oracle Flow Builder to test the Oracle Utilities Mobile Workforce Management and Oracle Real-Time Scheduler applications. The Oracle Utilities Mobile Workforce Management components correspond to specific entities, such as business objects, service scripts, or business services used for interfacing with the application.

This release also contains three sample flows used to understand the flow creation process. These flows are listed as follows:

- **Non-MDT Sanity**

The Non-MDT Sanity flow comprises the creation and completion life cycle of an M1 activity - break, non-productive task (NPT), and real period of unavailability (POU), along with the crew shift.

- **MDT Sanity**

The MDT Sanity flow includes the creation and completion of M-Activity (for example: Install Meter Activity).

- **M2 Non-MDT Sanity**

The M2 Non-MDT Sanity flow includes the creation and completion of M-Activity (for example: Install Meter Activity).

- **HybridMCP Sanity**

The HybridMCP MDT flow includes the creation and completion of an activity, break, non-productive task (NPT), and real period of unavailability (POU) using HybridMCP.

- **M2 ANDROID-MDT Sanity**

The Android MDT flow includes the creation and completion of an activity, break, non-productive task (NPT), and real period of unavailability (POU) using Web Driver on an Android mobile device/ Emulator.

- **M2 iOS-MDT Sanity**

The iOS-MDT Sanity flow includes the creation and completion of an activity, break, non-productive task (NPT), and real period of unavailability (POU) using Web Driver on an iOS Emulator.

This release includes a sample Cloud sanity flow that demonstrates how a flow can be created for a Cloud environment.

- **MWM_Cloud_Environment_Sanity**

The MWM_Cloud_Environment_Sanity flow setups the necessary gold data, its pre-requisites and post gold data configuration, for any Oracle Utilities Mobile Workforce Management Cloud Initial Install environment. It also executes one sample Non-MDT Sanity test flow on that environment to make sure the environment is ready for use.

For more information about these sample flows, see the **Sample Work Flows** chapter in *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Mobile Workforce Management/ Oracle Real-Time Scheduler (v2.3.0.0)*.

Oracle Utilities Customer Care and Billing (v2.4.0.3)

Oracle Functional Testing Advanced Pack for Oracle Utilities for Customer Care and Billing is a test starter pack built on top of Oracle Functional Testing Advanced Pack for Oracle Utilities that generates test automation scripts for Web services using Oracle Flow Builder.

Oracle Functional Testing Advanced Pack for Oracle Utilities for Customer Care and Billing contains product-specific components to be used to build test flows in Oracle Flow Builder to test the Oracle Utilities for Customer Care and Billing applications. The Oracle Utilities for Customer Care and Billing components correspond to specific entities, such as business objects, service scripts, or business services used for interfacing with the application.

This release also contains six sample flows used to understand the flow creation process. These flows are listed as follows:

- **StartService**

The StartService flow creates a meter/meter configuration, meter read, pending start SA, and completion of the start service FA before the SA is activated.

- **StopService**

The StopService flow initiates a 'stop service' request. As part of the full 'stop service' flow, steps for creating a final meter read and completion of the stop service FA are included.

- **CreatePaymentEvent**

The CreatePaymentEvent flow creates a Payment Event, and then distributes and freezes the payments.

- **CreatePremiseAndAccount**

The CreatePremiseAndAccount flow creates a Premise, Service Point, Person, and Account; Collectively referred to as “V” objects.

- **CreateBill**

The CreateBill flow generates, freezes, and completes a bill. It uses the C1-BillAdd and C1-BillUpdate components, and an additional F1-SendResultsMail component to be able to notify the user of the test results via an email.

- **EndToEndStartService**

The EndToEndStartService flow creates a Premise, Service Point, Person, and Account, collectively referred to as “V” objects. It also creates a Meter, Meter Configuration, and Meter Read, and starts a Service Agreement. All pending field activities created by start/stop are also completed before activating the Service Agreement.

For more information about these sample flows, see the **Sample Work Flows** chapter in *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Customer Care and Billing (v2.4.0.3)*.

Oracle Utilities Customer Care and Billing (v2.5.0.1)

Oracle Functional Testing Advanced Pack for Oracle Utilities for Customer Care and Billing is a test starter pack built on top of Oracle Functional Testing Advanced Pack for Oracle Utilities that generates test automation scripts for Web services using Oracle Flow Builder.

Oracle Functional Testing Advanced Pack for Oracle Utilities for Customer Care and Billing contains product-specific components to be used to build test flows in Oracle Flow Builder to test the Oracle Utilities for Customer Care and Billing applications. The Oracle Utilities for Customer Care and Billing components correspond to specific entities, such as business objects, service scripts, or business services used for interfacing with the application.

This release also contains five sample flows used to understand the flow creation process. These flows are listed as follows:

- **StartService**

The StartService flow creates a meter/meter configuration, meter read, pending start SA, and completion of the start service FA before the SA is activated.

- **StopService**

The StopService flow initiates a 'stop service' request. As part of the full 'stop service' flow, steps for creating a final meter read and completion of the stop service FA are included.

- **CreatePaymentEvent**

The CreatePaymentEvent flow creates a Payment Event, and then distributes and freezes the payments.

- **CreatePremiseAndAccount**

The CreatePremiseAndAccount flow creates a Premise, Service Point, Person, and Account; Collectively referred to as "V" objects.

- **CreateBill**

The CreateBill flow generates, freezes, and completes a bill. It uses the C1-BillAdd and C1-BillUpdate components, and an additional F1-SendResultsMail component to be able to notify the user of the test results via an email.

- **EndToEndStartService**

The EndToEndStartService flow creates a Premise, Service Point, Person, and Account, collectively referred to as “V” objects. It also creates a Meter, Meter Configuration, and Meter Read, and starts a Service Agreement. All pending field activities created by start/stop are also completed before activating the Service Agreement.

For more information about these sample flows, see the **Sample Work Flows** chapter in *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Customer Care and Billing (v2.5.0.1)*.

Oracle Utilities Customer Care and Billing (v2.5.0.2)

Oracle Functional Testing Advanced Pack for Oracle Utilities for Customer Care and Billing is a test starter pack built on top of Oracle Functional Testing Advanced Pack for Oracle Utilities that generates test automation scripts for Web services using Oracle Flow Builder.

Oracle Functional Testing Advanced Pack for Oracle Utilities for Customer Care and Billing contains product-specific components to be used to build test flows in Oracle Flow Builder to test the Oracle Utilities for Customer Care and Billing applications. The Oracle Utilities for Customer Care and Billing components correspond to specific entities, such as business objects, service scripts, or business services used for interfacing with the application.

This release also contains five sample flows used to understand the flow creation process. The flows are listed as follows:

- **StartService**
The StartService flow creates a meter/meter configuration, meter read, pending start SA, and completion of the start service FA before the SA is activated.
- **StopService**
The StopService flow initiates a 'stop service' request. As part of the full 'stop service' flow, steps for creating a final meter read and completion of the stop service FA are included.
- **CreatePaymentEvent**
The CreatePaymentEvent flow creates a payment event, and then distributes and freezes the payments.
- **CreatePremiseAndAccount**
The CreatePremiseAndAccount flow creates a Premise, Service Point, Person, and Account; Collectively referred to as “V” objects.
- **CreateBill**
The CreateBill flow generates, freezes, and completes a bill. It uses the C1-BillAdd and C1-BillUpdate components, and an additional F1-SendResultsMail component to be able to notify the user of the test results via an email.
- **EndToEndStartService**
The EndToEndStartService flow creates a Premise, Service Point, Person, and Account, collectively referred to as “V” objects. It also creates a Meter, Meter Configuration, and Meter Read, and starts a Service Agreement. All Pending Field Activity created by start/stop are also completed before activating the Service Agreement.

For more information about these sample flows, see the **Sample Work Flows** chapter in *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Customer Care and Billing (v2.5.0.2)*.

Oracle Utilities Work and Asset Management/ Oracle Utilities Operational Device Management (v2.1.1.0)

Oracle Functional Testing Advanced Pack for Oracle Utilities for Work and Asset Management/ Oracle Utilities Operational Device Management is a test starter pack built on top of Oracle Functional Testing Advanced Pack for Oracle Utilities that generates test automation scripts for Web services using Oracle Flow Builder.

Oracle Functional Testing Advanced Pack for Oracle Utilities for Work and Asset Management/ Oracle Utilities Operational Device Management contains product-specific components to be used to build test flows in Oracle Flow Builder to test the Oracle Utilities for Work and Asset Management applications. The Oracle Utilities for Work and Asset Management/ Oracle Utilities Operational Device Management components correspond to specific entities, such as business objects, service scripts, or business services used for interfacing with the application.

This release also contains four sample flows used to understand the flow creation process. These flows are listed as follows:

- **W1-MaterialDisposition**

Customer calls to report some problem with Motor and then technician examined that it has to be sent to Repair as the Motor is within Warranty. The faulty motor will be replaced with the new asset issued from the storeroom via material disposition complete exchange and the repair Work order will be created for the faulty motor.

- **W1-ReorderReview_Inventory**

Inventory adjustment creates a Reorder review for Inventory stock items.

- **W1-ReorderReview_InventoryLot**

Inventory adjustment creates a Reorder review for Inventory lot stock items.

- **W1-Work Demand**

Work Order/Activity creates demand where stock transfer is needed to complete work.

For more information about these sample flows, see the **Sample Work Flows** chapter in *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Work and Asset Management/Oracle Utilities Operational Device Management (v2.1.1.0)*.

Oracle Utilities Meter Data Management/ Oracle Utilities Smart Grid Gateway (v2.1.0.3)

Oracle Functional Testing Advanced Pack for Oracle Utilities for Meter Data Management/Oracle Utilities Smart Grid Gateway is a test starter pack built on top of Oracle Functional Testing Advanced Pack for Oracle Utilities that generates test automation scripts for Web services using Oracle Flow Builder.

Oracle Functional Testing Advanced Pack for Oracle Utilities for Meter Data Management/Oracle Utilities Smart Grid Gateway contains product-specific components to be used to build test flows in Oracle Flow Builder to test the Oracle Utilities for Meter Data Management/Oracle Utilities Smart Grid Gateway applications. The Oracle Utilities for Meter Data Management/Oracle Utilities Smart Grid Gateway components correspond to specific entities, such as business objects, service scripts, or business services used for interfacing with the application.

This release also contains two Meter Data Management sample flows used to understand the flow creation process. These flows are listed as follows:

- **Demo Interval**

The Demo Interval flow includes creation of a Smart Meter, adding device configuration and interval measuring components to the Smart Meter, loading Initial Measurement Data (IMD) on the meter, and creating usage transactions.

- **Demo Scalar**

The Demo Scalar flow includes creation of a Manual Meter, adding device configuration and scalar measuring components to the Manual Meter, loading Initial Measurement Data (IMD) on the meter, and creating usage transactions.

This release contains a sample Cloud sanity flow that demonstrates how a flow can be created for a Cloud environment.

- **MDM-SGG_Cloud_Environment_Sanity Sample**

The MDM-SGG_Cloud_Environment_Sanity flow is used to verify On demand Read scalar for a device on a Cloud environment which is an initial install environment.

The release also includes the following Smart Grid Gateway sample flow to understand the flow creation process.

- **Itron Sample Flow**

The Itron Sample flow includes creation of an Itron Smart Meter, adding device configuration and scalar measuring components to it, adding the Meter in Itron test harness, and performing various commands on the Meter.

For more information about these sample flows, see the **Sample Work Flows** chapter in *Oracle Functional Testing Advanced Pack for Oracle Utilities Reference Guide for Oracle Utilities for Meter Data Management/Oracle Utilities Smart Grid Gateway (v2.1.0.3)*.

System Requirements

See the **System Requirements** section of the *Oracle Functional Testing Advanced Pack for Oracle Utilities Installation and Administration Guide* included in this release for an updated list of system requirements and supported platforms.

Known Issues

This section lists issues that were found but not resolved in Oracle Functional Testing Advanced Pack for Oracle Utilities at the time of release.

Login Error

Unable to login to the Oracle Flow Builder application server.

Workaround:

It is recommended that the connection pool size is set to 50 or higher. This can be done through the WebLogic console (available at http://<OFB_HOST>:<OFB_ADMIN_PORT>/console).

Oracle Functional Testing Advanced Pack for Oracle Utilities Core

- **Delivered UI sample flows only work in Oracle Utilities applications that are based on Oracle Utilities Application Framework v4.3.0.1.**

Due to the nature of UI automation (dependency on Document Object Model), the sample UI flows that are delivered as part of Oracle Functional Testing Advanced Pack for Oracle Utilities for Oracle Utilities Application Framework only work in Oracle Utilities Applications that are based on Oracle Utilities Application Framework v4.3.0.1.

Workaround:

There is no workaround for this issue since the UI flows change based on the UI being tested.

- **Number of nested lists for data input limited to 6 (through Oracle Flow Builder UI)**

Due to limitation from Oracle Flow Builder UI, when entering input data for a list element, current limitation is that, through UI, data can be provided for only 6 repetitions.

Workaround:

If more than 6 repetitions are required, the databank csv file can be edited to provide data for the required number of repetitions.

Oracle Utilities Mobile Workforce Management v2.2.0.3

- **MDT Flow using Next-Gen MCP Framework**

The sample flow shipped as part of Oracle Functional Testing Advanced Pack for Oracle Utilities for Mobile Workforce Management and Oracle Real-Time Scheduler needs Google Chrome to be set as the default browser.

These sample components cannot be customized as recording the xpaths needed is not yet supported by Oracle Application Testing Suite 12.5.0.2.

Oracle Utilities Meter Data Management v2.2.0.0

Bug Number	Description
25031308	<p>After upgrading from existing product pack to the same version product pack of OFTAPOU v5.0.1 the sample flow test data does not get populated.</p> <p>Workaround: All the components and flows are imported fine when upgraded from UTA 5.0.0.1 release to UTA 5.0.1 release. So, the customer should be able to create their required flows and input data as per their test execution scenarios. The sample flows delivered are only a way to show customers how the components can be used and flows can be created.</p>
24941211	UTA_SGG2.2_Not able to add Meter in Test Harness (both SSL and non-SSL)
24955540	Not able to execute query containing '<' and '>'

Oracle Utilities Customer Care and Billing v2.4.0.3/ v2.5.0.1/ 2.5.0.2

Bug Number	Description
21949946	In Oracle Utilities Customer Care and Billing, there are Business Services (for example: Severance Process) with schema that contain multiple lists. While executing the script, a fatal error is encountered.
24902447	F1-BatchRun component checks for the number of records processed. This component is missing and should be part of the Cloud sanity requirement.
24754355	As part of the UTA 5.0.1 - Oracle Utilities Customer Care and Billing v2.5.0.2 release, a patch needs to be applied for the Sales and Marketing enhancements to work.

Oracle Utilities Work and Asset Management v2.1.1.0

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