Oracle Utilities Testing Accelerator for Cloud

Reference Guide for Core



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Oracle Utilities Testing Accelerator for Cloud Reference Guide for Core, Release 26.10

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Introduction

Welcome to the Oracle Utilities Testing Accelerator Reference Guide for Core (Oracle Utilities Application Framework) for release 26.10. This document describes the Core components and the function libraries used to create those components for Oracle Utilities Testing Accelerator. These components are used to build test flows in Oracle Utilities Testing Accelerator Workbench.

This guide contains the following:

- Preface
- Component Reference
- Inbound Web Services

For information about the other documentation included in this release, please refer to the Oracle Utilities Testing Accelerator for Cloud Services page on Oracle Help Center .

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Preface

The preface includes the following sections:

- Audience
- Related Documents
- Updates to Documentation
- Documentation Accessibility
- Conventions
- Abbreviations

Audience

This guide is intended for QA/Test Engineers and Automation Developers to understand the various components and libraries available for them to automate the business test flows for Core using Oracle Utilities Testing Accelerator for Core.

Related Documents

For more information, refer to the following Oracle resources.

- *Oracle Utilities Testing Accelerator User's Guide for Cloud*
- *Oracle Utilities Testing Accelerator Reference Guide for Core*
- *Oracle Utilities Testing Accelerator Reference Guide for Oracle Utilities Customer Cloud Service*
- *Oracle Utilities Testing Accelerator Reference Guide for Oracle Utilities Billing Cloud Service*
- *Oracle Utilities Testing Accelerator Reference Guide for Oracle Utilities Rate Cloud Service*
- *Oracle Utilities Testing Accelerator Reference Guide for Oracle Utilities Customer Care and Billing Cloud Service*
- *Oracle Utilities Testing Accelerator Reference Guide for Oracle Utilities Meter Solution Cloud Service*
- *Oracle Utilities Testing Accelerator Reference Guide for Oracle Utilities Work and Asset Cloud Service*
- *Oracle Utilities Testing Accelerator Reference Guide for Oracle Utilities Customer Program Management Cloud Service*

Also, see the following documentation libraries on Oracle Help Center:

- Oracle Utilities Application Framework

Updates to Documentation

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Conventions

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`Monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Abbreviations

Term	Expanded Form
OUAF	Oracle Utilities Application Framework
OUTA/UTA	Oracle Utilities Testing Accelerator

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Component Reference

This chapter lists the Core starter components available to create flows in Oracle Utilities Testing Accelerator, including:

- Overview
- Components

Overview

Oracle Utilities Testing Accelerator for Core is a test starter pack built on top of Oracle Utilities Testing Accelerator that generates test automation scripts using Oracle Utilities Testing Accelerator Workbench.

Oracle Utilities Testing Accelerator for Core contains out-of-the-box product-specific components used to build new test flows in Oracle Utilities Testing Accelerator Workbench to test the Core based applications. These out-of-the-box components correspond to specific business entities, such as business objects, service scripts, or business services used for interfacing with the application. Users can use these components as available or can extend them. Users can also create new components to be used to create flows. This starter pack also contains a set of function libraries that can be used for creating custom components.

The components are categorized under the following functional areas:

- Admin
- Batch
- ToDo
- AdminUI
- General

For more information about creating components and flows refer to the *Oracle Utilities Testing Accelerator User's Guide for Cloud* available on the Oracle Utilities Testing Accelerator for Cloud Services page on Oracle Help Center.

Components

This section lists the starter components available for Oracle Utilities Application Framework.

Prerequisites: The Inbound Web Service using the respective business object should be available in the application.

For the F1-CopyEntity and F1-GenericDataExplorer components, the prerequisites are as follows:

- F1-CopyEntity and F1-GenericDataExplorer IWS are not deployed by default. Activate F1-CopyEntity and F1-GenericDataExplorer IWS and then deploy them. To activate the Inbound Web Service:
  1. Navigate to the **Add Inbound Web Service** page and load F1-CopyEntity.

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2. Click **Edit** and select the **ACTIVE** checkbox.
3. Save it.
4. Repeat the steps **1** to **3** for F1-GenericDataExplorer.
5. Navigate to the **Inbound Web Service Deployment** page.
6. Click **Deploy**. Verify if the IWS are deployed successfully.

- Grant access to User Group (which has your user) for F1-UTASVC application service.
  1. Navigate to the **Add Application Service** page and load “F1-UTASVC”.
  2. Click the **Application Security** tab.
  3. Click **Grant Access for the User Group** that has your user.
  4. Enter the **EXPIRATION DATE**.
  5. Enter “F1EX” in the **ACCESS MODE** field.
  6. Save the changes.

Additional Notes: Failure while creating, reading, or updating the component is logged in the test execution report, thus facilitating debugging and analysis of the problems.

This section includes the following:

- Inbound Web Service Components
- UI Components

Inbound Web Service Components

The following table lists out the Inbound Web Service based components:

Component	Functional Area	Description
F1-Algorithm	Admin	Used to create, read, update, and delete Algorithm via a Web service. After creation, the CRUD operations can be performed through these components against the F1-AlgorithmPhysicalBO business object.
F1-BatchContol	Admin	Used to create, read, or update a ‘Batch Control’ via a Web service. After creation, the CRUD operations can be performed through these components against the F1-BatchContolMO business object.
F1-Country	Admin	Used to create, read, or update a ‘Country’ via a Web service. After creation, the CRUD operations can be performed through these components against the F1-COUNTRY business object.

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Component	Functional Area	Description
F1-DisplayProfile	Admin	Used to create, read, or update a 'DisplayProfile via a Web service. After creation, the CRUD operations can be performed through these components against the F1-DisplayProfilePhysicalBO business object.
F1-ExternalSystem	Admin	Used to create, read, or update an 'ExternalSystem' via a Web service. After creation, the CRUD operations can be performed through these components against the F1-ExternalSystemPhysicalBO business object.
F1-FeatureConfig	Admin	Used to create, read, or update a 'FeatureConfig' via a Web service. After creation, the CRUD operations can be performed through these components against the F1-FeatureConfigPhysicalBO business object.
F1-TimeZone	Admin	Used to create, read, or update a 'TimeZone' via a Web service. After creation, the CRUD operations can be performed through these components against the F1-TimeZonePhysicalBO business object.
F1-User	Admin	Used to create, read, or update a 'User' via a Web service. After creation, the CRUD operations can be performed through these components against the F1-UserPhysicalBO business object.
F1-UserGroup	Admin	Used to create, read, or update a 'UserGroup' via a Web service. After creation, the CRUD operations can be performed through these components against the F1-UserGroupPhysicalBO business object.
F1-WorkCalendar	Admin	Used to create, read, or update a 'WorkCalendar' via a Web service. After the creation, the CRUD operations can be performed through these components against the F1-WorkCalendarPhysicalBO business object.

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Component	Functional Area	Description
F1-ToDoRole	ToDo	Used to create, read, or update a 'ToDoRole' via a Web service. After creation, the CRUD operations can be performed through these components against the F1-ToDoRolePhysical business object.
F1-ToDoType	ToDo	Used to create, read, or update a 'ToDoType' via a Web service. After creation, the CRUD operations can be performed through these components against the F1-ToDoTypePhysicalBO business object.
F1-BatchSubmission	Batch	Used to run or retrieve the Batch submission status via a Web service. After creation, execute the batch job and retrieve the batch job running status against the F1-BatchJob business object.
F1-ToDoEntryAdd	ToDo	Used to create a To Do Entry via a Web service. After creation, add To Do entries through these component against the F1-AddToDoEntry business service.
F1-ToDoEntryRead	ToDo	Used to retrieve a To Do Entry via a Web service. After creation, retrieve the To Do Entry through this component against the F1-MaintainToDoEntry business service.
F1-ToDoEntryUpdate	ToDo	Used to update a To Do Entry via a Web service. After creation, retrieve the To Do Entry through this component against the F1-UpdateToDoEntry business service.
F1-ToDoEntryComplete	ToDo	Used to complete a To Do Entry via a Web service. After creation, complete the To Do Entry through this component against the F1-CompleteToDoEntry business service.
F1-SendResultsMail	Admin	Parses the results and generates the email. This component sends the test executions results to the configured email ID.
F1-OutboundMsgType	Admin	Component for Outbound Message type.
F1-WaitTime	Admin	Used to wait for some time to complete certain task. The wait time is in specified in minutes.

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Component	Functional Area	Description
F1-ImportAndDeployBundle	Admin	Reads the bundle content from the attachment and applies the bundle. This component returns the status and ID of the bundle objects in OUAF.
F1-InstallationOption	Admin	Enables edge applications to set the installation options values in OUAF.
F1-OutboundMessageType	Admin	Adds/reads the outbound message type.
F1-XAISender	Admin	Adds/reads the XAI sender.
F1-FileStorage	Admin	Used for file storage configuration.
F1-GeographicType	Admin	Used to add Geographic Type.
F1-CopyEntity	Admin	Creates a new entity as a copy of another entity that its key is system generated.
F1-GenericDataExplorer	Admin	Runs a data explorer query zone provided as input. The query supports up to 10 optional filters and returns up to 10 columns for each result query row.
F1-BatchCompletionStatus	Batch	Takes the Batch ID as input and verifies if a given batch is complete or not within the time frame.
F1-BatchRTStatistics	Batch	Used to get the batch run and thread statistics using Batch Job ID.
F1-BatchRunDetails	Batch	Gives the batch run details like message shown in the batch run tree.
F1-ContextualInsightType	General	Used to Add/Read/Update/Delete Contextual Insight Type.
F1-InsightGroup	General	Used to Add/Read/Update/Delete Insight Group.

UI Components

The following table lists the UI based components:

Component	Functional Area	Description
F1-Login	Admin	Login to the environment through UI
F1-Quit	Admin	Quit Browser
F1-XAISubmission	Admin	Used for XAI submission through UI
F1-VerifyAppViewer	Admin	Used to verify App Viewer
F1-VerifyHelp	Admin	Used to verify Help
F1-Logout	ToDo	Logout from application

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Inbound Web Services

The Core components are developed using Web services method, and these components require Inbound Web Services to be defined in the application.

For instructions to create, import, or search an Inbound Web Service, see **Setting Up Inbound Web Services** in the *Oracle Utilities Testing Accelerator User's Guide for Cloud* available in the Oracle Utilities Testing Accelerator documentation on Oracle Help Center.

Note: Starting Oracle Utilities Application Framework release 4.3 SP2, the username token policy is not applicable any more.

This chapter focuses on the following:

- List of Inbound Web Services
- Modified Components
- Deprecated Components
- Deprecated Libraries
- Deprecated Flows

List of Inbound Web Services

The list of Inbound Web Services to use with the delivered components and flows is as follows:

- ATF1Algorithm
- ATF1BatchContol
- ATF1BatchSubmission
- ATF1BundleImport
- ATF1BundleImportApply
- ATF1CheckUserAuthorization
- ATF1Country
- ATF1DateMath
- ATF1DisplayProfile
- ATF1EmailService
- ATF1ExternalSystem
- ATF1FeatureConfig
- ATF1GeoService
- ATF1GetAppSrvAccMds
- ATF1InitialInstallOption
- ATF1InsertGTTRecords
- ATF1OutboundMessageType
- ATF1PhoneNumberValidation

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- ATF1PhoneType
- ATF1PhoneTypePhysicalBO
- ATF1ShiftDateTime
- ATF1TimeZone
- ATF1ToDoEntryADD
- ATF1ToDoEntryComplete
- ATF1ToDoEntryREAD
- ATF1ToDoEntryUPDATE
- ATF1ToDoRole
- ATF1ToDoType
- ATF1User
- ATF1UserGroup
- ATF1WorkCalendar
- ATF1XAISenderPhysicalBO
- ATZZBATCHRTS
- ATF1OutboundMsgType
- ATF1GeographicType
- ATF1BatchRunDetails
- ATF1ContextualInsightType
- ATF1InsightGroup

Modified Components

No components are modified in this release.

Deprecated Components

No components are deprecated in this release.

Deprecated Libraries

The ToDoLib library is deprecated in this release.

Deprecated Flows

No flows are deprecated in this release.

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