

**Oracle® Driver Management Integration Pack for
Oracle® Transportation Management and
Oracle® E-Business Suite 3.1 -
Release Notes**

Release 3.1

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Oracle Driver Management Integration Pack for Oracle Transportation Management and Oracle E-Business Suite 3.1 – Release Value Proposition

This chapter provides an overview of the value proposition for the Oracle Driver Management Integration Pack for Oracle Transportation Management and Oracle E-Business Suite 3.1. It is a roadmap intended to help you assess the business benefits of the Oracle Driver Management Integration Pack for Oracle Transportation Management and Oracle E-Business Suite 3.1 and plan your information technology (IT) projects and investments.

The new features and enhancements included in this release are grouped by release theme and then by product area. Our goal is to help organizations leverage technology to its fullest and increase the efficiency and effectiveness of operations.

This document describes the new or changed functionality only. Existing functionality from prior releases is not described here. The information provided in this document is intended to outline our general product direction and is intended for information purposes. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

Overview

The Oracle Transportation Driver Management process integration pack provides a best-of-breed solution that enables an organization to manage the driver profiles and settle the payments. This process integration pack (PIP) automates the Oracle Transportation Driver Management process between Oracle Transportation Management (OTM) and Oracle E-Business Suite. It includes the automatic driver and independent contractor synchronization, the driver absence synchronization, the driver trainings/training history synchronization, the driver certifications/certification history synchronization, and the driver/contractor payment process.

For added configurability, extensibility, and sustainability, the Driver Management Integration Pack for Oracle Transportation Management and Oracle E-Business 3.1 has been built on the Application Integration Architecture (AIA) Foundation Pack methodology and architecture, giving customers a standards-based, best-practice Driver management business process.

Key Features

Key features of the Oracle Driver Management Integration Pack include:

- Canonical data model.
- Manage driver and contractor master data centrally.
- Use profile information such as skills, licenses, certification, and so on effectively during planning and execution.
- Manage availability and absences of drivers centrally and utilize this information for work

assignment planning.

- Support for complex payment scenarios that incorporate detailed activity information.
- Pay employee drivers via payroll and contractors via accounts payable systems.

Oracle Application Integration Architecture (AIA) replaces traditional enterprise application integration with flexible, pre-built, standards-based business process integration solutions. As an AIA offering, the Driver Management PIP includes all of the necessary business process models, canonical objects, and web services you need out-of-the-box. Now you can quickly orchestrate a sustainable Driver management business process across Oracle Transportation Management (OTM) and Oracle E-Business Suite with reduced cost and risk. In addition, the AIA adaptable framework enables you to extend the integration to accommodate your specific business needs.

Oracle Driver Management Integration Pack – Enhancements

These enhancements were included in this release:

Absence Calendar Logistic Service Filtering Criteria

- **Problem:** Oracle E-Business Suite sends planned absence date or confirmed absence date, or both. Initially, there was no mapping from planned dates to ResourceCalendarEntryEBO.xsd; therefore, if only planned date (without confirmed date) was sent from Oracle E-Business Suite, the flow errored out.
- **Solution:** The ABM_to_EBM_template xsl for the AbsenceCalendarRequester is enhanced to include a mapping from planned dates in application business message (ABM) to PlannedTimePeriod in the enterprise business object (EBO). This element is newly introduced in the ResourceCalendarEntryEBO.xsd. In addition, the business process execution language (BPEL) process was modified to include a variable to copy the PlannedTimePeriod from the EBM and pass the same as a parameter in the SyncResourceCalendarEntryListEBM_To_GLogXMLABM.xsl. In this xsl, the process checks and maps the Actual dates OTM Date element whether they exist in the EBM. If not, the process retrieves the value from the parameter passed to the xsl.

Certified Versions for Participating Applications

These are the application versions certified for this release:

- Oracle Transportation Management release 6.1.1
- Oracle E-Business Suite release 12.1.2

For more information about participating applications enhancements, see the Release Notes for the respective applications.

Foundation Pack

The Oracle Driver Management Integration Pack for Oracle Transportation Management and Oracle E-Business Suite 3.1 is supported by Foundation Pack 11gR1 (11.1.1.4.0) and available on Oracle Fusion Middleware/SOA Suite 11g.

For more information, see *Oracle Application Integration Architecture Foundation Pack 11g Release 1 (11.1.1.4.0) Release Notes*.

Oracle Driver Management Integration Pack – Features

Driver Management Process Integration Pack is based on open-standards and a service-oriented architecture (SOA). It enables key business process across OTM and Oracle E-Business Suite application suites to allow seamless and end-to-end management of drivers and independent contractors as an integral part of managing your fleet. Using this integration pack you can manage driver and contractor profile data in Oracle E-Business Suite Human Resources Management System, including details about the driver's skills and licenses, training history, and so on. You can utilize this information as part of driver planning and execution in Oracle Transportation Management. Any planned training or other absences, such as vacations or sick leave, can be synchronized with Oracle Transportation Management so that it is accounted for when utilizing the driver for work.

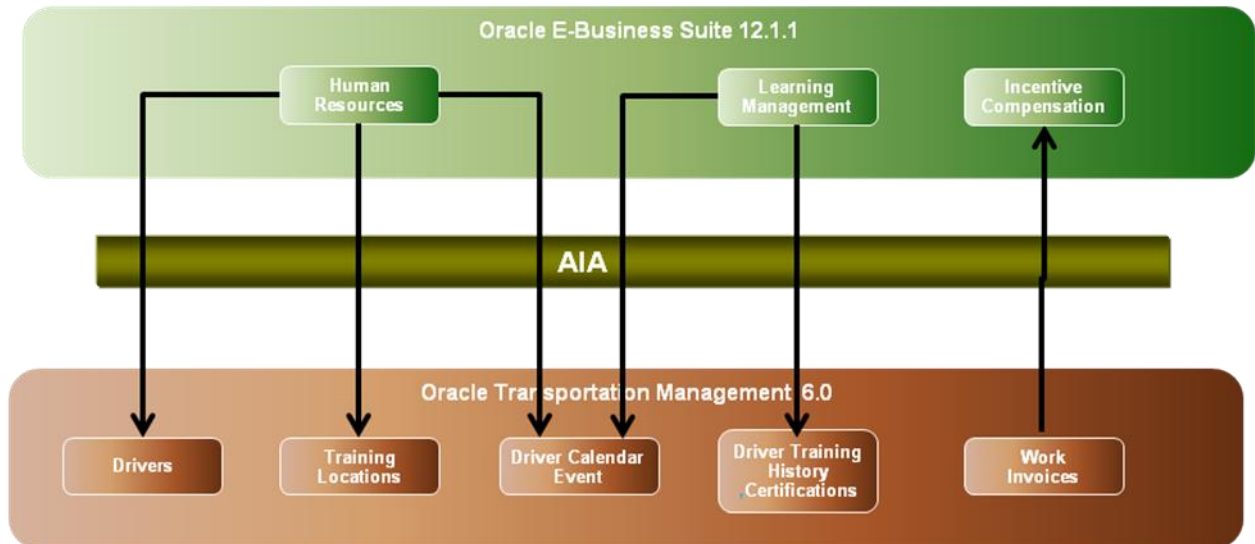
Further, details about the work activities in Oracle Transportation Management can be transmitted to Oracle Incentive Compensation (part of Oracle E-Business Suite) so that it can be utilized to accurately compute the driver or contractor payment.

The business benefits of this integration are:

- Comprehensive, end-to-end management of drivers and independent contractors.
- Improved driver productivity.
- Increased driver satisfaction and retention.
- Centralized management of driver profile data including skills, licenses, training history, and so on.
- Enhanced visibility and accuracy of driver availability and absence.
- Increased speed and accuracy of driver and independent contractor payment.
- Reduced total cost of ownership and integration time and costs.

Oracle Driver Management Integration Pack Architecture

This graphic illustrates the architecture of Oracle Driver Management Integration Pack:



Driver Management Architecture

The Driver Management Integration Pack for OTM and Oracle E-Business Suite 3.1 includes the following functionalities:

- Integrated Driver Profile Management
- Manage Training Locations
- Driver Absence Management
- Manage Driver Training schedules, Certifications, and history
- Driver Pay

The Driver Management Integration Pack for OTM and Oracle E-Business Suite 3.1 uses the following Enterprise Business Objects (EBO):

- Worker EBO
- Location EBO
- ResourceCalendarEntry EBO
- PayableInvoice EBO

The Driver Management Integration Pack for OTM and Oracle E-Business Suite 3.1 supports the following functional flows:

- Process Integration for Driver Profile
- Process Integration for Locations
- Process Integration for Training and Absence Calendar
- Process Integration for Work Invoice

Process Integration for Driver Profile

Drivers are an important part of a company's fleet. Driver satisfaction and retention are critical to the successful and profitable operation of the fleet. Drivers are engaged in a variety of ways, such as full-time or part-time employees. Others may be independent contractors. Driver profile information entails driver personal data such as name, address, phone, and so forth.

Process Integration for Locations

Drivers subscribe to training that requires a common location between OTM and Oracle E-Business Suite. Because Oracle E-Business Suite HR is the master record for all trainings, it also hosts the master record for all training locations. The process integration for locations extracts and loads training locations from Oracle E-Business Suite HR to OTM.

Process Integration for Training and Absence Calendar

While the driver details exist in the HRMS system as an employee or contractor with appropriate data, OTM also needs to hold driver data because logistics-specific attributes that exist need to be maintained; therefore, you must send driver profile data such as skills, competencies, licenses, and certifications along with other data to OTM.

Training and Absence Calendar enables you to use Oracle E-Business Suite HRMS in addition to Oracle Transportation Management. Training and Absence Calendar reference data should be published from Oracle E-Business Suite HR and Learning Management to Oracle Transportation Management.

Process Integration for Work Invoice

In this integration, Oracle E-Business Suite acts as a payable and accounting engine, and OTM creates the invoices. Therefore, work invoices are created in OTM for driver pay and sent over to Oracle E-Business Suite Incentive Compensation for payment.

Oracle Driver Management Integration Pack – Bug Fixes

This table lists the bug fixes included in this release:

Bug Number	Issue/Description
8477817	Driver termination status is not synched with Oracle Transportation Management (OTM).
8734390	Populate domain value maps (DVMs) with seeded values. These DVMs were populated: <ul style="list-style-type: none"> CALENDAREVENTTYPEDVM.xml COMMUNICATIONMETHODDVM.xml QUALIFICATIONTYPEIDDVM.xml WORKERADDRESSTYPE.xml WORKERASSIGNMENTSTATUS.xml WORKERPERSONTYPEID.xml
8933960	Routing rule for Work Invoice Requestor in response enterprise business service (EBS) is missing.
8934017	SyncLocationListEBizJMSConsumer – changes to GUID and QNAME from default system.
8943297	Driver initial load is not working if the input values difference is less than the property value.
9010561	The Payable indicator value of 'PAYABLE_ZERO' is not being picked because of an incorrect spelling in the DVM.
9165887	When an enrollment is cancelled, it is not interface to OTM. The business event "oracle.apps.ota.api.delegate_booking.update_delegate_booking" is raised. But the current booking is not enqueued into JMS queue. Hence not interfaced to OTM.
9240196	ESB could not invoke BPEL due to OID authorization.
9254702	Future dates drivers should not be synched immediately.
9255380	Driver status is not correctly propagated to OTM.
9281259	eis/DB/AIADataSource is missing in oc4j-ra.xml of DBAdapter as a part of Driver Management PIP Installation.
9299707	PIP ABCS Extensions allows only extending EBM.
9299775	Critical XSLs have callout to custom xsl commented, xsl extension not supported for some Driver PIP flows.
9342726	Namespace mismatch between AIA Config file and Driver PIP process SyncWorkerListEbizReqABCImpl for AIA 2.4.
9378373	ABSENCE CALENDAR PIP unable to Populate RESULTTREE due to mismatch of ServicePropertyName in the AIAConfigurationProperties.xml file.
9404283	When an Import shipment transaction is sent in with different lot and Lot Locations at the different Product levels the lots are being created via the transaction, but they all have the Lot Location of the first Trans Product record being sent in.

Bug Number	Issue/Description
9590284	CalculateDriverIncentiveCompensationLogisticsReqABCImpl incorrect XML.
9647284	File SyncWorkerListResponseEBM.xml contains the response being generated in SyncWorkerListLogisticsProvABCImpl process. This response does not adhere to the schema element SyncWorkerListResponseEBM present in WorkerEBM.xsd, so when we try to access this in custom xsl it fails.
9700649	Unable to extend custom template for work invoice.
9706551	Need to include the Queue name and message id in all the messages having AIA based queues. This will enable in message resubmission capabilities to be used.
10135601	Training location timezone is not considered and always defaults to server timezone.

For more information about additional issues, see *Known Issues and Workarounds* (KIWA) on My Oracle Support.

Additional Resources

There are additional resources that can help your organization learn more about this release.

Resource	Navigation
Process Integration Pack Implementation Guides	My Oracle Support: Knowledge > Oracle Applications > Integrations > Application Integration Architecture. Select a Process Integration Pack link. Classic MetaLink: Knowledge > Application Integration Architecture. Select a Process Integration Pack link.
Foundation Pack Guides	My Oracle Support: Knowledge > Oracle Applications > Integrations > Application Integration Architecture > Oracle Application Integration Architecture Foundation Pack Classic MetaLink: Knowledge > Application Integration Architecture > Foundation Pack
Installation and Upgrade Guide	My Oracle Support: Knowledge > Oracle Applications > Integrations > Application Integration Architecture > Oracle Application Integration Architecture Foundation Pack Classic MetaLink: Knowledge > Application Integration Architecture > Foundation Pack

Visit the [My Oracle Support/Oracle Metalink website](#) frequently to keep apprised of ongoing changes.

For other sources of documentation, visit [Oracle Technology Network: Oracle Documentation](#).

For training opportunities, visit [Oracle University](#).