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

Release Notes

Release 3.1

E20582-04

September 2012

ORACLE®

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E20582-04

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

This document 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 that are included in this release are grouped by release themes, then by product area. Our goal is to help organizations leverage technology to its fullest and increase the efficiency and effectiveness of operations.

The final release may not have every feature that is discussed in this document, and a specific feature may become a part of a different application or have a product name that is different from those cited in this document.

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.

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 include:

- Canonical data model
- Manage driver and contractor master data centrally
- Use profile information such as skills, licenses, certification, etc, 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

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Oracle Application Integration Architecture 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.

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Product Enhancements for Oracle Driver Management Integration Pack for Oracle Transportation Management and Oracle E-Business Suite 3.1

The following enhancements were included in this Release 3.1 for the Oracle Driver Management Integration Pack for Oracle Transportation Management and Oracle E-Business Suite:

1. 9194838 – Absence calendar logistic service filtering criteria needs to be changed
    - Problem: Oracle E-Business Suites sends either "Planned" and/or "Confirmed" Absence dates. Initially, there was no mapping from Planned dates to ResourceCalendarEntryEBO.xsd and hence if Planned dates alone and no Confirmed dates were sent from Oracle E-Business Suite, the flow error out.
    - Solution: The ABM_to_EBM_template xsl for the AbsenceCalendarRequester is enhanced to include a mapping from Planned dates in ABM to PlannedTimePeriod in the EBO (this element is newly introduced in the ResourceCalendarEntryEBO.xsd). In addition, the 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, if they exist in the EBM, if not the process retrieves the value from the parameter passed to the xsl.

Participating Applications Certified Versions

The following are the versions of the applications that are certified for use with 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 application.

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.*

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Oracle Driver Management Integration Pack for Oracle Transportation Management and Oracle E-Business Suite 3.1 Features

Based upon open standards and a service-oriented architecture (SOA), the Driver Management Process Integration Pack enables key business process across OTM and Oracle E-Business Suite application suites to allow for seamless and end-to-end management of drivers and independent contractors as an integral part of managing your fleet. In particular, you will be able to 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, etc, and 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, etc
- 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 for Oracle Transportation Management and Oracle E-Business Suite 3.1 Architecture

The Oracle Driver Management Integration Pack for Oracle Transportation Management and Oracle E-Business Suite 3.1 architecture is illustrated in the following diagram:

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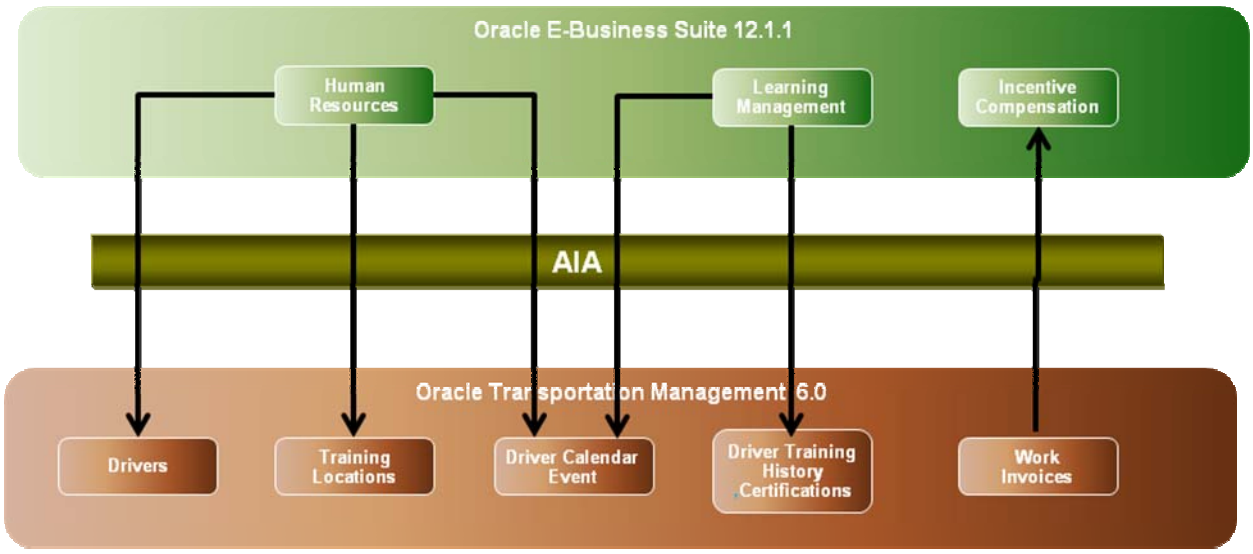

The Driver Management Integration Pack for OTM and Oracle E-Business Suite 3.1 includes the following functionalities:

- 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

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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.

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Oracle Driver Management Integration Pack for Oracle Transportation Management and Oracle E-Business Suite 3.1 Bug Fixes

The following bug fixes were included in this Release 3.1 for the Oracle Driver Management Integration Pack for Oracle Transportation Management and Oracle E-Business Suite:

1. 8477817 - Driver termination status is not synched with OTM.
2. 8734390 – Populate DVMs with seeded values. The following DVMs were populated:
    a. CALENDAREVENTTYPEDVM.xml
    b. COMMUNICATIONMETHODDVM.xml
    c. QUALIFICATIONTYPEIDDVM.xml
    d. WORKERADDRESSTYPE.xml
    e. WORKERASSIGNMENTSTATUS.xml
    f. WORKERPERSONTYPEID.xml
3. 8933960 - Routing rule for Work Invoice Requestor in response EBS is missing.
4. 8934017 – SyncLocationListEBizJMSConsumer – changes to GUID and QNAME from default system.
5. 8943297 – Driver initial load is not working if the input values difference is less than the property value.
6. 9010561 - The Payable indicator value of 'PAYABLE_ZERO' is not being picked because of an incorrect spelling in the DVM.
7. 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.
8. 9240196 – ESB could not invoke BPEL due to OID authorization.
9. 9254702 – Future dates drivers should not be synched immediately.
10. 9255380 – Driver status is not correctly propagated to OTM.
11. 9281259 - eis/DB/AIADataSource is missing in oc4j-ra.xml of DBAdapter as a part of Driver Management PIP Installation.
12. 9299707- PIP ABCS Extensions allows only to extend EBM.
13. 9299775 - Critical Xsl's have callout to custom xsl commented, xsl extension not supported for some Driver PIP flows.
14. 9342726 - Namespace mismatch between AIA Config file and Driver PIP process SyncWorkerListEbizReqABCSImpl for AIA 2.4.
15. 9378373 - ABSENCE CALENDAR PIP unable to Populate RESULTTREE due to mismatch of ServicePropertyName in the AIAConfigurationProperties.xml file.

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16. 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.
17. 9590284 – CalculateDriverIncentiveCompensationLogisticsReqABCSImpl incorrect XML
18. 9647284 - File SyncWorkerListResponseEBM.xml contains the response being generated in SyncWorkerListLogisticsProvABCSImpl 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.
19. 9700649 – Unable to extend custom template for work invoice.
20. 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.
21. 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.

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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.

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