Oracle® Transportation Management

Technical Architecture Guide

Release 6.3

Part No. E38415-03

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ORACLE

Oracle® Transportation Management Technical Architecture Guide, Release 6.3

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Preface

This guide contains hardware and software requirements, as well as complimentary products for Oracle Transportation Management.

Change History

Date	Document Revision	Summary of Changes
12/2012	-01	Initial release.
1/2013	-02	Adjusted translation basis and delivery release numbers.
3/2013	-03	Updated FTI (Business Intelligence Server) to use Oracle Business Intelligence Suite Enterprise Edition Plus 11gR1 (11.1.1.6.8). Updated ETL Server for FTI to use Oracle Data Integrator (ODI) 11gR1 (11.1.1.6.4). Red Hat 64-bit Enterprise Linux 5.x is supported. Oracle 64-bit Oracle Enterprise Linux 5.x, 6.x is supported. Firefox 17esr is supported.

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1. Hardware (for Application, Web, and Reports Tiers)

Platform	Operating System	Comments
Intel x86/AMD	Windows 2008 64-bit Standard Edition R3 / Enterprise Edition R3	
Intel x86/AMD	Oracle 64-bit Oracle Enterprise Linux 5.x, 6.x	
Intel x86/AMD	Red Hat 64-bit Enterprise Linux 5.x, 6.x	Supported
Itanium	Hewlett Packard 64-bit HP-UX 11i v3	
POWER5/POWER6	IBM 64-bit AIX 7.1	
SPARC/Intel x86	Sun 64-bit Solaris 11	

Note: Oracle Transportation Management is supported under Oracle VM.

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2. Supporting Software

Tier	Product/Version	Product Website	Platforms certified with Oracle Transportation Management	Comments
Application Server	WebLogic 11g Rel 1 (10.3.6) Standard Edition	Oracle http://www.oracle.com	All specified on product website	WebLogic is not part of the Oracle Transportation Management install.
Database Server	11gR2 Enterprise Edition 11.2.0.3 – Certified 11.2.0.2 – Supported 11.2.0.1 - Supported	Oracle http://www.oracle.com	All specified on product website	Oracle's Database Server is not part of the Oracle Transportation Management Install. Real Application Clusters (RAC) supported It is highly recommended to run OTM with the latest patch set (11.2.0.3).
Web Server	Oracle HTTP Server (OHS) 11g Rel 1	Oracle http://www.oracle.com	All specified on product website	Oracle HTTP Server is not part of the Oracle Transportation Management Install.
Web Server	Tomcat 7.x	The Apache Software Foundation http://www.apache.org/	All specified on product website	Oracle Transportation Management Install loads Tomcat.
Planning Optimizer	FICO Xpress Optimization Suite 7.3	FICO http://www.fico.com/en/Products/DMTools/Pages/FICO-Xpress-Optimization-Suite.aspx	All specified on product website	Oracle Transportation Management Install loads FICO Xpress Optimizer

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Tier	Product/Version	Product Website	Platforms certified with Oracle Transportation Management	Comments
Reports (BI Publisher)	Oracle Business Intelligence Publisher Stand-alone – 11gR2(11.1.1.6) Embedded – 11gR1(10.1.3.4)	Oracle http://www.oracle.com	All specified on product website	Oracle Transportation Management Install includes a restricted use license of BI Publisher. The restricted use license provides the ability to publish and/or view shipped BI Publisher reports. Layout changes are allowed. In addition, shipped or created reports can be modified to access data from an existing, non-customized Oracle Applications schema.
FTI (Business Intelligence Server)	Oracle Business Intelligence Suite Enterprise Edition Plus 11gR1 (11.1.1.6.8)	Oracle http://www.oracle.com	All specified on product website	The BI Suite is not part of the Oracle Transportation Management Install. Fusion Transportation Intelligence can only be run on a server certified to run Oracle Business Intelligence Suite Enterprise Edition.
ETL Server for FTI	Oracle Data Integrator (ODI) 11gR1 (11.1.1.6.4)	Oracle http://www.oracle.com	All specified on product website	Oracle Data Integrator is the data extraction, transformation, and loading tool used by the OTM FTI solution. ODI is not part of the Oracle Transportation Management Install.
Internet Browser	Internet Explorer (IE) Versions 8 & 9 Version 8.0.6001.18702CO & above	Microsoft http://www.microsoft.com	N/A	
Internet Browser	Firefox 17esr	Mozilla http://www.mozilla.org	N/A	
Internet Browser	Safari 5.1 (Desktop)	Apple http://www.apple.com	N/A	

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Tier	Product/Version	Product Website	Platforms certified with Oracle Transportation Management	Comments
Internet Browser	Cortona VRML Client Version 7.0 and later.	Parallel Graphics http://www.parallelgraphics.com/products/cortona/	N/A	Cortona is not part of the Oracle Transportation Management Install.
Internet Browser	Adobe SVG 3.0.3	Adobe http://www.adobe.com/svg/viewer/install/	N/A	Adobe SVG Viewer is not part of the Oracle Transportation Management install. It is required in order to view Location Capacity graphs.
Mobile Internet Browser	Apple Safari 5.1	Apple http://www.apple.com		Only OTM Mobile Applications are supported on Mobile devices.
Mobile Internet Browser	Android 4.2	Android http://www.android.com		Only OTM Mobile Applications are supported on Mobile devices.

Note: All supporting software is subject to patch level changes.

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3. Localization

Language	User Interface	Fax & Email	Reports	Online Help	Error Messages	Documentation	Training Materials	Release Schedule
English	Y	Y	Y	Y	Y	Y	Y	6.3 (except Training) 6.3+60d (Training materials)
Chinese (Simplified)	Y	Y	Y	N	Y	N	N	6.3.2 delivery 6.3.1 translation basis
Chinese (Traditional)	Y	Y	Y	N	Y	N	N	6.3.2 delivery 6.3.1 translation basis
French (Canadian)	Y	Y	Y	N	Y	N	N	6.3.2 delivery 6.3.1 translation basis
French (European)	Y	Y	Y	N	Y	N	N	6.3.2 delivery 6.3.1 translation basis
German	Y	Y	Y	N	Y	N	N	6.3.2 delivery 6.3.1 translation basis
Italian	Y	Y	Y	N	Y	N	N	6.3.2 delivery 6.3.1 translation basis
Japanese	Y	Y	Y	N	Y	Some	N	6.3.2 delivery 6.3.1 translation basis
Korean	Y	Y	Y	N	Y	N	N	6.3.2 delivery 6.3.1 translation basis

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Language	User Interface	Fax & Email	Reports	Online Help	Error Messages	Documentation	Training Materials	Release Schedule
Portuguese (Brazilian)	Y	Y	Y	N	Y	N	N	6.3.2 delivery 6.3.1 translation basis
Russian	Y	Y	Y	N	Y	N	N	6.3.2 delivery 6.3.1 translation basis
Spanish (European)	Y	Y	Y	N	Y	N	N	6.3.2 delivery 6.3.1 translation basis
Spanish (Latin America)	Y	Y	Y	N	Y	N	N	6.3.2 delivery 6.3.1 translation basis
Turkish	Y	Y	Y	N	Y	N	N	6.3.2 delivery 6.3.1 translation basis

Note: The release schedule refers to the translation of label additions/changes made with 6.3.

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4. Oracle Complementary Products

Product Name/ Category	Versions Certified with OTM	Platforms Certified with Oracle Transportation Management	Summary Description	Product Website
Oracle Identity and Access Management Suite Plus	Version 11g (11.1.1.5)	All specified on website	Provides authentication, single sign-on, and identity management	http://www.oracle.com/us/products/middleware/identity-management/oiam/index.html
SOA Suite	Version 11g	All specified on website	See below for SOA Suite Product BPEL Process Manager	http://www.oracle.com/technologies/soa/soa-suite.html
BPEL Process Manager	Version 10.1.2.x Version 10.1.3.x	All specified on website	Infrastructure to create/deploy/ manage BPEL processes. **Note**: see Section 6 for integration to Oracle Applications	http://www.oracle.com/appserver/bpel_home.html
Spatial		All specified on website	View geo-maps (Map Related Shipments action) Distance Lookup/standard Address validation supported in Oracle Transportation Management	http://www.oracle.com/technology/products/spatial/index.html
Map Viewer	Version 11.1.1.7	All specified on website	View geo-maps (Map Related Shipments action)	http://www.oracle.com/technology/products/mapviewer/index.html
eLocation Service			Free service hosted by Oracle Clients may use Oracle Spatial & Map Viewer or eLocation service	http://elocation.oracle.com/elocation/ajax/
User Productivity Kit		All specified on website	Content development	http://www.oracle.com/applications/tutor/user-productivity-kit.html

Note: If you have any questions about a complementary product, please contact Oracle Product Marketing.

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5. Vendor Complementary Products

Product Name/Category	Vendor	Versions Certified with Oracle Transportation Management	Summary Description	Vendor Website
PC*Miler |WorldWide **PC*Miler|Streets** Requires : PC*Miler–TCP/IP & PC*Miler-Connect Optional add-ons: Canadian Postal Codes PC*Miler Streets	ALK Technologies Inc.	Version 25.1	External Distance & Service Time Lookup/standard for North America and Worldwide including street level lookups and address validation Address validation supported in Oracle Transportation Management	http://www.alk.com/
PC*Miler Rail Requires : PC*Miler–TCP/IP & PC*Miler-Connect	ALK Technologies Inc.	Version 18.1	External Distance & Service Time Lookup/standard	http://www.alk.com/
Unix Resident MileMaker	Rand McNally	Guide 19	External Distance Lookup/standard Address validation supported in Oracle Transportation Management	http://trucking.randmcnally.com
RateWare XL	SMC3		LTL	http://www.smc3.com/
RateWare Server	SMC3	Version 4.18	LTL Tariffs	http://www.smc3.com/
LTL Data Module (typically CzarLite or Canadalite)	SMC3	Provide vendor with data module format, effective date & tariff number; SMC will provide appropriate product & version.	LTL Tariffs	http://www.smc3.com/
CarrierConnect	SMC3	Version 3.0	LTL Transit Time	http://www.smc3.com/

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Product Name/Category	Vendor	Versions Certified with Oracle Transportation Management	Summary Description	Vendor Website
Kewill Flagship	Kewill	Version 5.1	Parcel rating & transit time. For more information, see the Kewill Flagship Parcel Rate Requests Integration Guide.	http://www.kewill.com/
GeoCoder	Latinforce		Zip Code Content	www.latinforce.net
GeoAccess	AND		Zip Code Content	http://www.and.com/
Pro-zipcode base product with latitude & longitude add-on **Canadian & Mexican postal codes with latitudes & longitude add-on**	GreatData		Zip Code Content	http://www.emory.com/progress/index.htm
GFI FaxMaker for Networks/SMTP	GFI	SMTP 14.x	Email to fax gateway that sends out fax notifications	http://www.gfi.com/faxmaker/
Acrobat Reader	Adobe		View/print PDF documents	http://www.adobe.com/

Note: If you have any questions about a complementary product, please contact Oracle Product Marketing. You can also contact each vendor for pricing information.

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6. Integration to Oracle Applications

OTM Version	Oracle Application	Version	Integration Software	Status	Comments
6.3.x	E-Business Suite Order Management (OM), Shipping Execution (WSH), Purchase Order (PO), Accounts Payable (AP), Warehouse Management (WMS), Advanced Planning (APS)	R12.1.3 and GTM 6.3	BPEL 11g	Certification Target TBD	Integrating Oracle Transportation Management with E-Business Suite documentation is available at http://download.oracle.com/docs/cd/B53825_05/current/acrobat/121otmintg.pdf
6.3.x	E-Business Suite Order Management (OM), Shipping Execution (WSH), Purchase Order (PO), Accounts Payable (AP)	R11.5.10 CU2	BPEL 10.1.3.4 / 10.1.3.5	Certification Target TBD	Integrating Oracle Transportation Management with E-Business Suite documentation is available at http://download.oracle.com/docs/cd/B25516_19/current/acrobat/115otmintg.pdf
6.3.x	E-Business Suite International Trade Management (ITM) Adaptor	R12.1.x	None	Certification Target TBD	
6.3.x	Enterprise 1 Sales Order Management, Purchase Order Management, Accounts Payable and Receivable	9.0	None	Certification Target TBD	Enterprise 1 Integration with Oracle Transportation Management Implementation Guide is available on My Oracle Support document 753973.1

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