Oracle® Transportation Management

Technical Architecture Guide

Release 6.2

Part No. E20096-09

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ORACLE

Oracle® Transportation Management Technical Architecture Guide, Release 6.2

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Contents

CONTENTS III

SEND US YOUR COMMENTS V

PREFACE VII

CHANGE HISTORY VII

1. HARDWARE (FOR APPLICATION, WEB, AND REPORTS TIERS) 1-1

2. SUPPORTING SOFTWARE 2-1

3. LOCALIZATION 3-1

4. ORACLE COMPLEMENTARY PRODUCTS 4-1

5. VENDOR COMPLEMENTARY PRODUCTS 5-1

6. INTEGRATION TO ORACLE APPLICATIONS 6-1

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Oracle® Transportation Management Technical Architecture Guide, Release 6.2

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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
11/10	-01	Added Windows 2008, removed Windows 2003. Removed FireFox 2.0 Support. Added Oracle Identity and Access Management Suite Plus as a Complementary Product. Removed Support for Oracle Database 11.1.0.7 Added ODI 10.1.3.5 Changed ODI to ETL Server for FTI Changed URL for FICO Express Optimizer
1/11	-02	Added PCMiler Certification of V. 24 to 6.3. Changed ITM adapter version to *R12.1.3*
5/11	-03	Updated URLs for Spatial and Map Viewer.
8/11	-04	Updated version of database server to 11gR2 (11.2.02).
12/11	-05	Updated PCMiler Certification to V. 25.1.
1/12	-06	Updated PCMiler Worldwide certification to V. 25.1.

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Date	Document Revision	Summary of Changes
5/12	-07	Clarified the PCMiler certification for 6.2 and 6.2.4. The following columns were removed from section 5. (Vendor Complementary Products) in the Technical Architecture Guide: - Platforms Certified with Oracle Transportation Management - Oracle Transportation Management Platforms Certified with Vendor Product Edited the localization table to indicate that some documents are translated into Japanese. Updated Cortona VRML Client Version from 6.0 to 7.0 and later. Updated for Technology Certifications: Database Version 11.2.0.3 Oracle Enterprise Linux 5.6, 6.x Weblogic 10.3.4 Exadata/Exalogic X2-2
7/12	-08	Updated WebLogic certification to 10.3.3, 10.3.4, and 10.3.6. Added Turkish translation. Added support for Solaris 11
5/13	-09	Updated Linux Certification to Red Hat 64-bit Enterprise Linux 5.x, 6.x. Updated EBS integration information.

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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 R2 / Enterprise Edition R2	
SPARC IV	Sun 64-bit Solaris 10 and 11	
PA-RISC	Hewlett Packard 64-bit HP-UX 11i v3	
Itanium	Hewlett Packard 64-bit HP-UX 11i v3	
POWER5 / POWER6	IBM 64-bit AIX 6L (6.1)	
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	

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 (10.3.3, 10.3.4, and 10.3.6) Standard Edition	Oracle http://www.oracle.com	All specified on product website. Exalogic X2-2 Certified	WebLogic is not part of the Oracle Transportation Management install.
Database Server	11gR2 (11.2.0.2, 11.2.0.3) 32 bit or 64 bit Enterprise Edition	Oracle http://www.oracle.com	All specified on product website. Exadata X2-2 Certified	Oracle's Database Server is not part of the Oracle Transportation Management Install. Real Application Clusters (RAC) supported
Web Server	Apache 2.2.x / Tomcat 6.0.x	The Apache Software Foundation http://www.apache.org/	All specified on product website	Oracle Transportation Management Install loads Apache and Tomcat.
Planning Optimizer	FICO Xpress Optimization Suite 7	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
Reports (BI Publisher)	Oracle Business Intelligence Publisher 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.

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Tier	Product/Version *	Product Website	Platforms certified with Oracle Transportation Management	Comments
FTI (Business Intelligence Server)	Oracle Business Intelligence Suite Enterprise Edition Plus 10.1.3.4	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) 10.1.3.5	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) Version 7 & 8 Version 8.0.6001.18702CO & above	Microsoft http://www.microsoft.com	N/A	
	Firefox 3.x	Mozilla http://www.mozilla.org	N/A	
Web3D Viewer	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.

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	6.2 (except Training) 6.2+60d (Training materials)
Chinese (Simplified)	Y	Y	Y	N	Y	N	N	6.2 RU delivery 6.2 translation basis
Chinese (Traditional)	Y	Y	Y	N	Y	N	N	6.2 RU delivery 6.2 translation basis
French (Canadian)	Y	Y	Y	N	Y	N	N	6.2 RU delivery 6.2 translation basis
French (European)	Y	Y	Y	N	Y	N	N	6.2 RU delivery 6.2 translation basis
German	Y	Y	Y	N	Y	N	N	6.2 RU delivery 6.2 translation basis
Italian	Y	Y	Y	N	Y	N	N	6.2 RU delivery 6.2 translation basis
Japanese	Y	Y	Y	N	Y	Some	N	6.2 RU delivery 6.2 translation basis
Korean	Y	Y	Y	N	Y	N	N	6.2 RU delivery 6.2 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	6.2 RU delivery 6.2 translation basis
Russian	Y	Y	Y	N	Y	N	N	6.2 RU delivery 6.2 translation basis
Spanish (European)	Y	Y	Y	N	Y	N	N	6.2 RU delivery 6.2 translation basis
Spanish (Latin America)	Y	Y	Y	N	Y	N	N	6.2 RU delivery 6.2 translation basis
Turkish	Y	Y	Y	N	Y	N	N	6.2.7 RU delivery 6.2.6 translation basis

Note: The release schedule refers to the translation of label additions / changes made with 6.2.

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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	11g	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	Version 11g	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/technetwork/database/options/spatial/index.html
Map Viewer	Version 10.1.3.4	All specified on website	View geo-maps (Map Related Shipments action)	http://www.oracle.com/technetwork/middleware/mapviewer/overview/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 Server Requires : PC*Miler–TCP/IP & PC*Miler-Connect Optional add-ons: Canadian Postal Codes PC*Miler Streets	ALK Technologies Inc.	Version 23.1 (for 6.2 and later) Version 25.1 (for 6.2.4 and later)	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 Worldwide Requires : PC*Miler–TCP/IP & PC*Miler-Connect	ALK Technologies Inc.	Version 23.1 (for 6.2 and later) Version 25.1 (for 6.2.4 and later)	External Distance & Service Time Lookup/standard	http://www.alk.com/
PC*Miler Rail Requires : PC*Miler–TCP/IP & PC*Miler-Connect	ALK Technologies Inc.	Version 16	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/

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Product Name/Category	Vendor	Versions Certified with Oracle Transportation Management	Summary Description	Vendor Website
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/
Kewill Flagship	Kewill	Support latest version published by vendor	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	Version 6.0.0 to 9.x	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

Oracle Application	Version	Integration Software	Status	Comments
E-Business Suite Order Management (OM)[1] , ,	*R12.1.x*	BPEL 11g	Supported	
Shipping Execution (WSH) [1]	*R12.1.x*	BPEL 11g	Supported	
Purchase Order (PO) [1]	*R12.1.x*	BPEL 11g	Supported	
Accounts Payable (AP) [1]	*R12.1.x*	BPEL 10.1.3.4 / 10.1.3.5	Supported	
Warehouse Management (WMS) [1]	*R12.1.x*	BPEL 11g	Supported	
Advanced Planning (APS) [1]	*R12.1.x*	BPEL 11g	Supported	
E-Business Suite Order Management (OM) [2] , ,	R11.5.10 CU2	BPEL 10.1.3.4 / 10.1.3.5	Supported	
Shipping Execution (WSH) [2]	R11.5.10 CU2	BPEL 10.1.3.4 / 10.1.3.5	Supported	
Purchase Order (PO) [2]	R11.5.10 CU2	BPEL 10.1.3.4 / 10.1.3.5	Supported	
Accounts Payable (AP) [2]	R11.5.10 CU2	BPEL 10.1.3.4 / 10.1.3.5	Supported	
E-Business Suite International Trade Management (ITM) Adaptor	R12.1.x	None	Supported	
Enterprise 1 Sales Order Management, Purchase Order Management, Accounts Payable and Receivable	9.0	None	Supported	Enterprise 1 Integration with Oracle Transportation Management Implementation Guide is available on My Oracle Support document 753973.1

[1] Integrating Oracle Transportation Management with E-Business Suite documentation is available at http://download.oracle.com/docs/cd/B53825_05/current/acrobat/121otmintg.pdf

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[2] Integrating Oracle Transportation Management with E-Business Suite documentation is available at http://download.oracle.com/docs/cd/B25516_19/current/acrobat/115otmintg.pdf

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