

Oracle® Transportation Management

Technical Architecture Guide

Release 6.4.3

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Oracle® Transportation Management Technical Architecture Guide, Release 6.4.3

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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
12/2017	-01	Hardware: Added support for Linux 7.x Supporting Software: 12.2.1.2.x support for WebLogic, Oracle Business Intelligence Publisher, Oracle Business Intelligence Suite, Oracle Data Integrator; No longer list separate WebServer other than OHS FICO Express: 8.2 (with exception for AIX) Browsers: Firefox 52.4 ESR, Chrome 61, Safari 11 Localization: Basis now 6.4.2; added note regarding some translations changing in the future due to a compliance effort as well as Worldwide Spanish replacing individual Spanish translations
01/2018	-02	Hardware: Solaris 10 no longer supported
03/2018	-03	Updated URL for HERE products to be https://www.here.com/en/partners/strategic-alliances/oracle .
03/2018	-04	Noted support for Worldwide Spanish as well as updated translation bases to 6.4.3 (except for Latin America and European Spanish)
05/2018	-05	Noted support for WebLogic 12.2.1.3
07/2018	-06	Updated version certification for Firefox and Chrome
01/2019	-07	Added note for support of Database 12.2.0.1
02/2020	-08	Replaced support for Internet Explorer with Microsoft Edge, updated supported versions of Firefox, Chrome, and Safari.
02/2020	-09	Added support for Oracle Database 19.x; dropped 12.x versions
10/2020	-10	Added support for WebLogic Server 12.2.1.4

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

Operating System	Platform	Comments
Oracle 64-bit Oracle Enterprise Linux 6.x, 7.x	Intel x86/AMD	
Sun 64-bit Solaris 11	SPARC/Intel x86	
Windows 2012 Standard 64-bit [Version 6.2.9200]	Intel x86/AMD	
Red Hat 64-bit Enterprise Linux 6.x, 7.x	Intel x86/AMD	Oracle products certified on Oracle Linux are also certified and supported on Red Hat Enterprise Linux due to implicit compatibility between both distributions. Oracle does not run any additional testing on Red Hat Enterprise Linux products. For additional information on Linux Operating System support refer to My Oracle Note 266043.1 .
IBM 64-bit AIX 7.1 ¹	POWER5/POWER6	

Virtualization Software

Platform	Version	Comments
Oracle VM Server for x86	3.x	
Oracle VM Server for SPARC	3.x	
Solaris Zones		
Microsoft Hyper-V	Windows 2012	

Note: Oracle Transportation Management is supported, but not certified on other VM technologies. See My Oracle Support note [804223.1](#) for more information.

¹ Support for AIX is delayed until after 6.4.3 GA.

2. Supporting Software

Tier	Product/Version	Product Website	Comments
Application Server	WebLogic 12c (12.2.1.4.x ¹ , 12.2.1.3.x) Standard Edition Exalogic X3-2 and later certified	Oracle http://www.oracle.com	WebLogic is not part of the Oracle Transportation Management install. ¹ Please refer to 2006049.1 for important installation information.
Database Server	19.x Exadata X3-2 and later Certified	Oracle http://www.oracle.com	Oracle's Database Server is not part of the Oracle Transportation Management Install. Real Application Clusters (RAC) supported
Web Server	Oracle HTTP Server (OHS) 12.2.1.4.x, 12.2.1.3.x	Oracle http://www.oracle.com	Oracle HTTP Server is not part of the Oracle Transportation Management Install.
Application Server	Java 8	Oracle http://www.oracle.com	Java for Linux, Solaris, and Windows is distributed. Java for other operating systems should be obtained from the vendor.
Planning Optimizer	FICO Xpress Optimization Suite 8.2 ¹	FICO http://www.fico.com/en/products/fico-xpress-optimization-suite#overview	Oracle Transportation Management Install loads FICO Xpress Optimizer ¹ AIX supports 7.9 version of FICO Xpress Optimization Suite as later versions are not available for AIX platform.
Reports (BI Publisher)	Oracle Business Intelligence Publisher Stand-alone – 12c (12.2.1.4.x, 12.2.1.3.x)	Oracle http://www.oracle.com	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.

Tier	Product/Version	Product Website	Comments
FTI and GTI (Business Intelligence Server)	Oracle Business Intelligence Suite Enterprise Edition Plus 12c (12.2.1.4.x, 12.2.1.3.x)	Oracle http://www.oracle.com	The BI Suite is not part of the Oracle Transportation Management or Global Trade Management installs. Fusion Transportation Intelligence (FTI) and Global Trade Intelligence (GTI) can only be run on a server certified to run Oracle Business Intelligence Suite Enterprise Edition.
ETL Server for FTI and GTI	Oracle Data Integrator (ODI) 12c (12.2.1.4.x, 12.2.1.3.x)	Oracle http://www.oracle.com	Oracle Data Integrator is the data extraction, transformation, and loading tool used by the OTM FTI and GTI solutions. ODI is not part of the Oracle Transportation Management or Global Trade Management installs.
Internet Browser	Edge 44	Microsoft http://www.microsoft.com	
Internet Browser	Firefox 68 esr	Mozilla http://www.mozilla.org	
Internet Browser	Google Chrome version 79 ^{1,2,3}	Google http://www.google.com/chrome	¹ OTM is certified with the latest version of Chrome available at the time of release, version 79. Because of Chrome's policy of automatically updating itself whenever a new release is available, issues that occur in newer versions of the browser that were not present in the certified version may require the use of an alternate browser until some future, scheduled OTM release, when OTM can once again certify against the latest Chrome browser version. ² If newly created saved queries do not appear, please request a patch for 30717505. ³ Oracle Spatial map Tool Bar does not appear correctly when zoom is 100%.
Internet Browser	Safari 13 (Mac OS)	Apple http://www.apple.com	

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

Note: Previous versions of OTM have used Cortona 3Dviewer to access certain features inside of OTM. The Cortona 3Dviewer plugin is no longer used in OTM and can be safely removed from your browser if it is not needed by other applications.

3. Localization

Transportation Management

Language	User Interface	Email	Fax	Reports	Online Help	Error Messages	Documentation	Training Materials	Release Schedule
English	Y	Y	Y	Y	Y	Y	Y	Y	
Chinese (Simplified)	Y	Y	N	Y	N	Y	N	N	6.4.3 translation basis
Chinese (Traditional)	Y	Y	N	Y	N	Y	N	N	6.4.3 translation basis
French (Canadian)	Y	Y	N	Y	N	Y	N	N	6.4.3 translation basis
French (European)	Y	Y	N	Y	N	Y	N	N	6.4.3 translation basis
German	Y	Y	N	Y	N	Y	N	N	6.4.3 translation basis
Italian	Y	Y	N	Y	N	Y	N	N	6.4.3 translation basis
Japanese	Y	Y	N	Y	N	Y	N	N	6.4.3 translation basis
Korean	Y	Y	N	Y	N	Y	N	N	6.4.3 translation basis
Polish	Y	Y	N	Y	N	Y	N	N	6.4.3 translation basis
Portuguese (Brazilian)	Y	Y	N	Y	N	Y	N	N	6.4.3 translation basis
Russian	Y	Y	N	Y	N	Y	N	N	6.4.3 translation basis
Spanish (Worldwide)	Y	Y	N	Y	N	Y	N	N	6.4.3 translation basis
Spanish (European)	Y	Y	N	Y	N	Y	N	N	6.4.2 translation basis

Language	User Interface	Email	Fax	Reports	Online Help	Error Messages	Documentation	Training Materials	Release Schedule
Spanish (Latin America)	Y	Y	N	Y	N	Y	N	N	6.4.2 translation basis
Thai	Y	Y	N	Y	N	Y	N	N	6.4.3 translation basis
Turkish	Y	Y	N	Y	N	Y	N	N	6.4.3 translation basis

Mobile Application 1.3

Language	User Interface	Online Help	Error Messages	Release Schedule
English	Y	Y	Y	
Chinese (Simplified)	Y	N	Y	6.4.2 translation basis
Chinese (Traditional)	Y	N	Y	6.4.2 translation basis
French (Canadian)	Y	N	Y	6.4.2 translation basis
French (European)	Y	N	Y	6.4.2 translation basis
German	Y	N	Y	6.4.2 translation basis
Italian	Y	N	Y	6.4.2 translation basis
Japanese	Y	N	Y	6.4.2 translation basis
Korean	Y	N	Y	6.4.2 translation basis

Language	User Interface	Online Help	Error Messages	Release Schedule
Polish	Y	N	Y	6.4.2 translation basis
Portuguese (Brazilian)	Y	N	Y	6.4.2 translation basis
Russian	Y	N	Y	6.4.2 translation basis
Spanish (European)	Y	N	Y	6.4.2 translation basis
Spanish (Latin America)	Y	N	Y	6.4.2 translation basis
Thai	Y	N	Y	6.4.2 translation basis
Turkish	Y	N	Y	6.4.2 translation basis

Note: The next release of the Mobile Application will contain the latest translation basis available at the time of release. When the next translation occurs, some existing translations will change from prior versions due to a compliance effort to enhance translation consistency among Oracle products. In addition, we will add Worldwide Spanish. Latin American and European Spanish languages will remain available but with a 6.4.2 translation basis.

4. Oracle Complementary Products

Product Name/ Category	Versions Certified with OTM	Summary Description	Product Website
Map Viewer	Version 11.1.1.9	View geo-maps (Map Shipments action)	http://www.oracle.com/technetwork/middleware/mapviewer/overview/index-090261.html
Mobile Application Framework (MAF)	Version 2.3.2	Mobile applications development Certified mobile platforms: http://www.oracle.com/technetwork/developer-tools/maf/documentation/maf222certmatrix-2879089.html	http://www.oracle.com/technetwork/developer-tools/maf/overview/index.html
Oracle Webcenter content (WCC)	11gR1 (11.1.1)	Provides capabilities for storing OTM documents external to the OTM database schema.	https://www.oracle.com/us/products/middleware/webcenter/content/overview/index.html
SOA Suite	Version 12c		http://www.oracle.com/technetwork/middleware/soasuite/overview/index.html
Spatial		View geo-maps (Map Related Shipments action) Distance Lookup/standard Address validation supported in Oracle Transportation Management	http://www.oracle.com/technetwork/database/options/spatialandgraph/overview/index.html
User Productivity Kit		Content development	http://www.oracle.com/technetwork/middleware/upk/upk-download-154651.html

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

5. Vendor Complementary Products

Product Name/Category	Vendor	Versions Certified with Oracle Transportation Management	Summary Description	Vendor Website
ALK Maps	ALK Technologies Inc.		Mapping	http://www.alkmaps.com/
Acrobat Reader	Adobe		View/print PDF documents	http://www.adobe.com/
CarrierConnect Web Services	SMC ³		LTL Transit Time (supported via the RateWare XL call)	http://www.smc3.com/
Location Based Services Platform	HERE	Version 7.2 (Routing), Version 6.2 (Geocoding)	External Distance & Service Time Lookup, Location Geocoding, Mapping	https://www.here.com/en/partners/strategic-alliances/oracle
Kewill Flagship	Kewill	Version 6.0	Parcel rating & transit time. For more information, see the Kewill Flagship Parcel Rate Requests Integration Guide.	http://www.kewill.com/
Microsoft Share Point	Microsoft	2013	Provides capabilities for storing OTM documents external to the OTM database schema.	http://www.microsoft.com
PC*Miler Requires: PC*Miler TCP/IP & PC*Miler Connect Optional add-ons: Worldwide Canadian Postal Codes PC*Miler Streets	ALK Technologies Inc.	Version 29	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 Unless otherwise noted OTM supports any combination of OTM and ALK supported versions .	http://www.alk.com/
PC*Miler Rail Requires: PC*Miler Rail-TCP/IP & PC*Miler Rail-Connect	ALK Technologies Inc.	Version 22	External Distance Lookup/standard Unless otherwise noted OTM supports any combination of OTM and ALK supported versions.	http://www.alk.com/

Product Name/Category	Vendor	Versions Certified with Oracle Transportation Management	Summary Description	Vendor Website
PC*Miler Web Services	ALK Technologies Inc.		External Distance & Service Time Lookup/standard	http://www.alk.com/
PC*Miler Rail Web Services	ALK Technologies Inc.		External Distance Lookup/standard	http://www.alk.com/
RateWare XL	SMC ³		LTL Tariffs	http://www.smc3.com/
Unix Resident MileMaker	Rand McNally	Guide 19	External Distance Lookup/standard Address validation supported in Oracle Transportation Management	http://trucking.randmcnally.com

Note: Please contact the vendor for pricing and details.

6. Integration to Oracle Applications

Unless otherwise noted in the comments, please see My Oracle Support Document "Integrating Oracle E-Business Suite with Oracle Transportation Management" at <https://support.oracle.com/epmos/faces/DocumentDisplay?id=1546042.1> to locate the library for the appropriate version of E-Business Suite. These libraries contain a document titled "Integrating Oracle Transportation Management with Oracle E-Business Suite."

Oracle Application	Version	Integration Software	Status	Comments
E-Business Suite: Accounts Payable (AP)	R12.2.5	SOA 12c	Certified	Instructions on how to integrate OTM with Oracle E-Business Suite Financials, can be found on My Oracle Support at https://support.oracle.com/epmos/faces/DocumentDisplay?id=1546441.1 .
E-Business Suite: Accounts Payable (AP)	R12.2.5, R12.2.4	SOA 11g	Supported	Instructions on how to integrate OTM with Oracle E-Business Suite Financials, can be found on My Oracle Support at https://support.oracle.com/epmos/faces/DocumentDisplay?id=1546441.1 .
E-Business Suite: Advanced Planning (APS), Order Management (OM), Purchase Order (PO), Shipping Execution (WSH) Warehouse Management (WMS)	R12.2.5	SOA 12c	Certified	
E-Business Suite: Advanced Planning (APS), Order Management (OM), Purchase Order (PO), Shipping Execution (WSH) Warehouse Management (WMS)	R12.2.5, R12.2.4	SOA 11g	Certified	
E-Business Suite: Advanced Planning (APS), Order Management (OM), Purchase Order (PO), Shipping Execution (WSH) Warehouse Management (WMS)	R12.1.3	SOA 11g	Supported	
E-Business Suite International Trade Management (ITM) Adapter	R12.2.5, R12.2.4	None	Supported	Oracle E-Business Suite Integration Guide for GTM is available on http://www.oracle.com/technetwork/documentation/glog-101972.html .

Oracle Application	Version	Integration Software	Status	Comments
Enterprise 1 Sales Order Management, Purchase Order Management, Accounts Payable and Receivable	9.1	None	Supported	Information about Enterprise 1 integration with Oracle Transportation Management is available on My Oracle Support at https://support.oracle.com/epmos/faces/DocumentDisplay?id=753973.1 .
Integration Cloud Service	16.4.5 and later	None	Supported	Integration Cloud Service (ICS) is supported with use of the Logistics Adapter included with ICS. Information about ICS is available at https://cloud.oracle.com/integration
Oracle Documents Cloud		None	Supported	Information about Oracle Documents Cloud is available here https://cloud.oracle.com/documents .