Oracle® Transportation Management

Technical Architecture Guide

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ORACLE

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Oracle® Transportation Management Technical Architecture Guide, Release 6.5.2

Part No. F60676-01

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Preface

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

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

Operating System	Platform	Comments
Oracle 64-bit Oracle Enterprise Linux 7.x, 8.x	Intel x86/AMD	
Red Hat 64-bit Enterprise Linux 7.x, 8.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.

Virtualization Software

Platform	Version	Comments
Oracle VM Server for x86	3.x	

Note: Oracle Transportation and Global Trade Management is supported, but not certified on other VM technologies. See My Oracle Support note 804223.1 for more information.

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2. Supporting Software

Tier	Product/Version	Product Website	Comments
Application Server	WebLogic 12c (12.2.1.4.x[1]) Standard Edition	Oracle https://www.oracle.com	WebLogic is not part of the Oracle Transportation and Global Trade Management install. [1] Please refer to 2813617.1 for important installation information.
Application Server	Java 8	Oracle https://www.oracle.com	Oracle Transportation and Global Trade Management Install loads Java.
Database Server	19C	Oracle https://www.oracle.com	Oracle's Database Server is not part of the Oracle Transportation and Global Trade Management Install. Real Application Clusters (RAC) supported
Web Server	Oracle HTTP Server (OHS) 12.2.1.4.x	Oracle https://www.oracle.com	Oracle HTTP Server is not part of the Oracle Transportation and Global Trade Management Install.
Planning Optimizer	FICO Xpress Optimization Suite 8.14	FICO https://www.fico.com/en/products/fico-xpress-optimization#overview	Oracle Transportation and Global Trade Management Install loads FICO Xpress Optimizer.
Reports (Analytics Publisher)	Oracle Analytics Publisher (OAP) 6.4	Oracle https://www.oracle.com	Oracle Transportation and Global Trade Management Install includes a restricted use license of Oracle Analytics Publisher. The restricted use license provides the ability to publish and/or view shipped Oracle Analytics 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.
TI and GTI (Business Intelligence Server)	Oracle Analytics Server (OAS) 6.4	Oracle https://www.oracle.com	Oracle Analytics Server (OAS) is not part of the Oracle Transportation and Global Trade Management Install. Transportation Intelligence (TI) and Global Trade Intelligence (GTI) can only be run on a server certified to run on Oracle Analytics Server.

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Tier	Product/Version	Product Website	Comments
ETL Server for TI and GTI	Oracle Data Integrator (ODI) 12c (12.2.1.4.x)	Oracle https://www.oracle.com	Oracle Data Integrator is the data extraction, transformation, and loading tool used by the Oracle Transportation and Global Trade Management TI and GTI solutions. ODI is not part of the Oracle Transportation and Global Trade Management Install.
Internet Browser	Edge 99	Microsoft https://www.microsoft.com	
Internet Browser	Firefox ESR 91.6	Mozilla https://www.mozilla.org	
Internet Browser	Google Chrome version 99 [1,2]	Google https://www.google.com/chrome/	[1] Oracle Transportation and Global Trade Management is certified with the latest version of Chrome available at the time of release, version 93. 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 Oracle Transportation and Global Trade Management release, when Oracle Transportation and Global Trade Management can once again certify against the latest Chrome browser version. [2] Oracle Spatial map Tool Bar does not appear correctly when zoom is 100%.
Internet Browser	Safari 15 (Mac OS)	Apple https://www.apple.com/	

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

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

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3. Localization

Transportation and Global Trade Management including the Mobile Application

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

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Note 1: Translation strings reflecting 6.5.2 changes will be provided in a patch after General Availability.

Note 2: Transportation Intelligence dashboards and dashboard reports are not translated.

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4. Oracle Complementary Products

Product Name/ Category	Versions Certified with Oracle Transportation and Global Trade Management	Summary Description	Product Website
Oracle Maps Cloud	Oracle elocation version 3.7 Oracle Maps version 2.3	Map actions and Workbench	https://www.oracle.com/database/technologies/spatialandgraph.html
Mobile Application Framework (MAF)	Version 2.6.2	Mobile applications development	https://www.oracle.com/application-development/technologies/maf/oraclemaf.html
Oracle Webcenter content (WCC)	11gR1 (11.1.1)	Provides capabilities for storing Oracle Transportation and Global Trade Management documents external to the Oracle Transportation and Global Trade Management database schema.	https://www.oracle.com/content-management/webcenter-content/
SOA Suite	Version 12c		https://www.oracle.com/middleware/technologies/soasuite.html
Spatial		Distance Lookup/standard Address validation supported in Oracle Transportation and Global Trade Management	https://www.oracle.com/database/technologies/spatialandgraph.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 and Global Trade Management	Summary Description	Vendor Website
ALK Maps	Trimble MAPS		Mapping	https://developer.trimblemaps.com/
Acrobat Reader	Adobe		View/print PDF documents	https://www.adobe.com/
CarrierConnect Web Services	SMC^3		LTL Transit Time (supported via the RateWare XL call)	https://www.smc3.com/
Location Based Services Platform	HERE	Version 8 (Routing), Version 7 (Geocoding)	External Distance & Service Time Lookup, Location Geocoding, Mapping	https://www.here.com/strategic-partners/oracle
PC*Miler Requires: PC*Miler|TCP/IP & PC*Miler|Connect Optional add-ons: Worldwide Canadian Postal Codes PC*Miler|Streets	Trimble MAPS	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 and Global Trade Management Unless otherwise noted Oracle Transportation and Global Trade Management supports any combination of Oracle Transportation and Global Trade Management and Trimble supported versions.	https://maps.trimble.com/
PC*Miler|Rail Requires: PC*Miler|Rail-TCP/IP & PC*Miler|Rail-Connect	Trimble MAPS	Version 22	External Distance Lookup/standard Unless otherwise noted Oracle Transportation and Global Trade Management supports any combination of Oracle Transportation and Global Trade Management and Trimble supported versions.	https://maps.trimble.com/

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Product Name/Category	Vendor	Versions Certified with Oracle Transportation and Global Trade Management	Summary Description	Vendor Website
PC*Miler Web Services	Trimble MAPS		External Distance & Service Time Lookup/standard	https://maps.trimble.com/
PC*Miler|Rail Web Services	Trimble MAPS		External Distance Lookup/standard	https://maps.trimble.com/
RateWare XL	SMC^3		LTL Tariffs	https://www.smc3.com/
Unix Resident MileMaker	Rand McNally	Guide 19	External Distance Lookup/standard Address validation supported in Oracle Transportation and Global Trade Management	https://fleet.randmcnally.com/product/mileage-route-planning

Note: Please contact the vendor for pricing and details.

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6. Integration to Oracle Applications

Oracle Application	MOS Notes/Comments
E-Business Suite	'Introduction to Integrating Oracle E-Business Suite with Oracle Transportation Management': https://support.oracle.com/epmos/faces/DocumentDisplay?id=1546042.1 'How to Integrate Oracle Transportation Management with Oracle E-Business Suite Financials': https://support.oracle.com/epmos/faces/DocumentDisplay?id=1546441.1 'EBS-OTM/GTM Integration - BPEL Certification Plans': https://support.oracle.com/epmos/faces/DocumentDisplay?id=454137.1
Enterprise 1	'JD Edwards EnterpriseOne Integration with Oracle Transportation Management - Resource Page': https://support.oracle.com/epmos/faces/DocumentDisplay?id=753973.1.
Oracle Integration Cloud (formerly known as Integration Cloud Service)	'Sample Integration with OTM/GTM using ICS': https://support.oracle.com/epmos/faces/DocumentDisplay?id=2209248.1 Oracle Integration Cloud (OIC) is supported with use of the Logistics Adapter included with OIC. Information about OIC is available at https://www.oracle.com/integration/application-integration/
Oracle Documents Cloud	Information about Oracle Documents Cloud is available at https://cloud.oracle.com/documents

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