

# **Oracle® Transportation Management**

Technical Architecture Guide

Release 6.3

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- Did you find any errors?
- Is the information clearly presented?
- Do you need more information? If so, where?
- Are the examples correct? Do you need more examples?
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If you find any errors or have any other suggestions for improvement, please indicate the title and part number of the documentation and the chapter, section, and page number (if available). You can send comments to us in the following ways:

- Electronic mail: [otm-doc\\_us@oracle.com](mailto:otm-doc_us@oracle.com)

If you would like a reply, please give your name, address, telephone number, and electronic mail address (optional).

If you have problems with the software, contact Support at <https://support.oracle.com> or find the Support phone number for your region at <http://www.oracle.com/support/contact.html>.

## Preface

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

### Change History

<b>Date</b>	<b>Document Revision</b>	<b>Summary of Changes</b>
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.
8/2013	-04	Updated Oracle Complementary Products.  Updated Integration to Oracle Applications.  Fixed the Release From Windows 2008 from R3 to R2  Added PCMiller Web Services
11/2013	-05	Added a new certification for OBIEE/ODI  Changed versions for OBIEE and PC Miler WorldWide and Rail and added two new complimentary Oracle products.
2/2014	-06	Updated Supporting Software section: Updated FTI and GTI (Business Intelligence Server) and ETL Server for FTI and GTI to include mention of GTI. This is important since OBIEE and ODI are also required for GTI.  Included 11.1.1.7 as a valid BI Publisher version.

# 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	
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 10, 11	

## Virtualization Software

Platform	Version	Comments
Oracle VM	2.2.x	
Oracle VM Server for x86	3.1.x	
Microsoft Hyper-V	Windows 2012	

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



## 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 <a href="http://www.oracle.com">http://www.oracle.com</a>	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 <a href="http://www.oracle.com">http://www.oracle.com</a>	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 <a href="http://www.oracle.com">http://www.oracle.com</a>	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 <a href="http://www.apache.org/">http://www.apache.org/</a>	All specified on product website	Oracle Transportation Management Install loads Tomcat.
Planning Optimizer	FICO Xpress Optimization Suite 7.3	FICO <a href="http://www.fico.com/en/Products/DMTools/Pages/FICO-Xpress-Optimization-Suite.aspx">http://www.fico.com/en/Products/DMTools/Pages/FICO-Xpress-Optimization-Suite.aspx</a>	All specified on product website	Oracle Transportation Management Install loads FICO Xpress Optimizer
Reports (BI Publisher)	Oracle Business Intelligence Publisher  Stand-alone – 11gR2 (11.1.1.6, 11.1.1.7)  Embedded – 11gR1 (10.1.3.4)	Oracle <a href="http://www.oracle.com">http://www.oracle.com</a>	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.

Tier	Product/Version	Product Website	Platforms certified with Oracle Transportation Management	Comments
FTI and GTI (Business Intelligence Server)	Oracle Business Intelligence Suite Enterprise Edition Plus 11gR1 (11.1.1.7.1)	Oracle <a href="http://www.oracle.com">http://www.oracle.com</a>	All specified on product website	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) 11gR1 (11.1.1.7.0)	Oracle <a href="http://www.oracle.com">http://www.oracle.com</a>	All specified on product website	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	Internet Explorer (IE) Versions 8 & 9  Version 8.0.6001.18702CO & above	Microsoft  <a href="http://www.microsoft.com">http://www.microsoft.com</a>	N/A	
Internet Browser	Firefox 17esr	Mozilla  <a href="http://www.mozilla.org">http://www.mozilla.org</a>	N/A	
Internet Browser	Safari 5.1 (Desktop)	Apple  <a href="http://www.apple.com">http://www.apple.com</a>	N/A	
Internet Browser	Cortona VRML Client Version 7.0 and later.	Parallel Graphics  <a href="http://www.parallelgraphics.com/products/cortona/">http://www.parallelgraphics.com/products/cortona/</a>	N/A	Cortona is not part of the Oracle Transportation Management Install.
Internet Browser	Adobe SVG 3.0.3	Adobe  <a href="http://www.adobe.com/svg/viewer/install/">http://www.adobe.com/svg/viewer/install/</a>	N/A	Adobe SVG Viewer is not part of the Oracle Transportation Management install. It is required in order to view Location Capacity graphs.

Tier	Product/Version	Product Website	Platforms certified with Oracle Transportation Management	Comments
Mobile Internet Browser	Apple Safari 5.1	Apple <a href="http://www.apple.com">http://www.apple.com</a>		Only OTM Mobile Applications are supported on Mobile devices.
Mobile Internet Browser	Android 4.2	Android <a href="http://www.android.com">http://www.android.com</a>		Only OTM Mobile Applications are supported on Mobile devices.

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



### 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

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

## 4. Oracle Complementary Products

Product Name/ Category	Versions Certified with OTM	Platforms Certified with Oracle Transportation Management	Summary Description	Product Website
BPEL Process Manager	Version 10.1.2.x  Version 10.1.3.x	All specified on website	Infrastructure to create/deploy/ manage BPEL processes.  <b>Note:</b> see Section 6 for integration to Oracle Applications	<a href="http://www.oracle.com/appserver/bpel_home.html">http://www.oracle.com/appserver/bpel_home.html</a>
Map Viewer	Version 11.1.1.7	All specified on website	View geo-maps (Map Related Shipments action)	<a href="http://www.oracle.com/technology/products/mapviewer/index.html">http://www.oracle.com/technology/products/mapviewer/index.html</a>
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	<a href="http://www.oracle.com/us/products/middleware/identity-management/oiam/index.html">http://www.oracle.com/us/products/middleware/identity-management/oiam/index.html</a>
Oracle Webcenter content (WCC)	11gR1 (11.1.1)	All specified on website	Provides capabilities for storing OTM documents external to the OTM database schema.	<a href="https://www.oracle.com/us/products/middleware/webcenter/content/overview/index.html">https://www.oracle.com/us/products/middleware/webcenter/content/overview/index.html</a>
SOA Suite	Version 11g	All specified on website	See below for SOA Suite Product BPEL Process Manager	<a href="http://www.oracle.com/technologies/soa/soa-suite.html">http://www.oracle.com/technologies/soa/soa-suite.html</a>
Spatial		All specified on website	View geo-maps (Map Related Shipments action)  Distance Lookup/standard  Address validation supported in Oracle Transportation Management	<a href="http://www.oracle.com/technology/products/spatial/index.html">http://www.oracle.com/technology/products/spatial/index.html</a>
User Productivity Kit		All specified on website	Content development	<a href="http://www.oracle.com/applications/tutorial/user-productivity-kit.html">http://www.oracle.com/applications/tutorial/user-productivity-kit.html</a>

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



## 5. Vendor Complementary Products

<b>Product Name/Category</b>	<b>Vendor</b>	<b>Versions Certified with Oracle Transportation Management</b>	<b>Summary Description</b>	<b>Vendor Website</b>
<b>Acrobat Reader</b>	Adobe		View/print PDF documents	<a href="http://www.adobe.com/">http://www.adobe.com/</a>
<b>CarrierConnect</b>	SMC3	Version 3.0	LTL Transit Time	<a href="http://www.smc3.com/">http://www.smc3.com/</a>
<b>GeoCoder</b>	Latinforce		Zip Code Content	<a href="http://www.latinforce.net">www.latinforce.net</a>
<b>GeoAccess</b>	AND		Zip Code Content	<a href="http://www.and.com/">http://www.and.com/</a>
<b>GFI FaxMaker for Networks/SMTP</b>	GFI	SMTP 14.x	Email to fax gateway that sends out fax notifications	<a href="http://www.gfi.com/faxmaker/">http://www.gfi.com/faxmaker/</a>
<b>Kewill Flagship</b>	Kewill	Version 5.1	Parcel rating & transit time. For more information, see the Kewill Flagship Parcel Rate Requests Integration Guide.	<a href="http://www.kewill.com/">http://www.kewill.com/</a>
<b>LTL Data Module (typically CzarLite or Canadalite)</b>	SMC3	Provide vendor with data module format, effective date & tariff number; SMC will provide appropriate product & version.	LTL Tariffs	<a href="http://www.smc3.com/">http://www.smc3.com/</a>
<b>Microsoft Share Point</b>	Microsoft	2010	Provides capabilities for storing OTM documents external to the OTM database schema.	<a href="http://office.microsoft.com/en-us/sharepoint/">http://office.microsoft.com/en-us/sharepoint/</a>

<b>Product Name/Category</b>	<b>Vendor</b>	<b>Versions Certified with Oracle Transportation Management</b>	<b>Summary Description</b>	<b>Vendor Website</b>
<b>PC*Miler  WorldWide</b>  <b>PC*Miler Streets</b>  Requires : PC*Miler–TCP/IP & PC*Miler-Connect  Optional add-ons: Canadian Postal Codes PC*Miler Streets	ALK Technologies Inc.	Versions 25.1, 27.1	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  <i>Unless otherwise noted we support any combination of OTM and ALK supported versions.</i>	<a href="http://www.alk.com/">http://www.alk.com/</a>
<b>PC*Miler Rail</b>  Requires : PC*Miler–TCP/IP & PC*Miler-Connect	ALK Technologies Inc.	Versions 19, 20	External Distance & Service Time Lookup/standard  <i>Unless otherwise noted we support any combination of OTM and ALK supported versions.</i>	<a href="http://www.alk.com/">http://www.alk.com/</a>
<b>PC*Miler   Web Services</b>	ALK Technologies Inc.		External Distance & Service Time Lookup/standard	<a href="http://www.alk.com/">http://www.alk.com/</a>
<b>Pro-zipcode base product with latitude &amp; longitude add-on</b>  <b>Canadian &amp; Mexican postal codes with latitudes &amp; longitude add-on</b>	GreatData		Zip Code Content	<a href="http://www.emory.com/progress/index.htm">http://www.emory.com/progress/index.htm</a>
<b>RateWare XL</b>	SMC3		LTL	<a href="http://www.smc3.com/">http://www.smc3.com/</a>
<b>RateWare Server</b>	SMC3	Version 4.18	LTL Tariffs	<a href="http://www.smc3.com/">http://www.smc3.com/</a>

Product Name/Category	Vendor	Versions Certified with Oracle Transportation Management	Summary Description	Vendor Website
<b>Unix Resident MileMaker</b>	Rand McNally	Guide 19	External Distance Lookup/standard Address validation supported in Oracle Transportation Management	<a href="http://trucking.randmcnally.com">http://trucking.randmcnally.com</a>

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



## 6. Integration to Oracle Applications

Oracle Application	Version	Integration Software	Status	Comments
Accounts Payable (AP) <sup>1</sup>	R12.1.x	BPEL 10.1.3.4 / 10.1.3.5	Certification Target TBD	<a href="https://support.oracle.com/epmos/faces/DocumentDisplay?id=1546441.1">https://support.oracle.com/epmos/faces/DocumentDisplay?id=1546441.1</a>
Accounts Payable (AP) <sup>2</sup>	R11.5.10 CU2	BPEL 10.1.3.4 / 10.1.3.5	Certification Target TBD	<a href="https://support.oracle.com/epmos/faces/DocumentDisplay?id=1546441.1">https://support.oracle.com/epmos/faces/DocumentDisplay?id=1546441.1</a>
Advanced Planning (APS) <sup>1</sup>	R12.1.x	BPEL 11g	Certification Target TBD	
E-Business Suite International Trade Management (ITM) Adaptor	R12.1.x	None	Certification Target TBD	Oracle E-Business Suite Integration Guide for GTM is available on <a href="http://docs.oracle.com/cd/E38437_01/otm/acrobat/ebs_gtm_integration_guide.pdf">http://docs.oracle.com/cd/E38437_01/otm/acrobat/ebs_gtm_integration_guide.pdf</a>
E-Business Suite Order Management (OM) <sup>1</sup>	R12.1.x	BPEL 11g	Certification Target TBD	
E-Business Suite Order Management (OM) <sup>2</sup>	R11.5.10 CU2	BPEL 10.1.3.4 / 10.1.3.5	Certification Target TBD	
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
Purchase Order (PO) <sup>1</sup>	R12.1.x	BPEL 11g	Certification Target TBD	
Purchase Order (PO) <sup>2</sup>	R11.5.10 CU2	BPEL 10.1.3.4 / 10.1.3.5	Certification Target TBD	
Shipping Execution (WSH) <sup>1</sup>	R12.1.x	BPEL 11g	Certification Target TBD	
Shipping Execution (WSH) <sup>2</sup>	R11.5.10 CU2	BPEL 10.1.3.4 / 10.1.3.5	Certification Target TBD	

<b>Oracle Application</b>	<b>Version</b>	<b>Integration Software</b>	<b>Status</b>	<b>Comments</b>
Warehouse Management (WMS) <sup>1</sup>	<i>R12.1.x</i>	BPEL 11g	Certification Target TBD	

<sup>1</sup> Integrating Oracle Transportation Management with E-Business Suite documentation is available at [http://download.oracle.com/docs/cd/B53825\\_05/current/acrobat/121otmintg.pdf](http://download.oracle.com/docs/cd/B53825_05/current/acrobat/121otmintg.pdf)

<sup>2</sup> Integrating Oracle Transportation Management with E-Business Suite documentation is available at [http://download.oracle.com/docs/cd/B25516\\_19/current/acrobat/115otmintg.pdf](http://download.oracle.com/docs/cd/B25516_19/current/acrobat/115otmintg.pdf)