

# Routing J Server US Data Update

2015.12

## Release Notes

This document contains information about the 2015.12 release. This document provides information about the Routing J Server driving and pedestrian data; the source and vintage of the data, a list of included files, installation instructions, and information about the various file types that comprise this data product. Complete documentation is located at [our support site](#).


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## Data Source and Vintage

Routing J Server data is based on data from TomTom MultiNet United States.

### **Driving Data Pack Version 2015.12 (December 2015)**

### **Pedestrian Data Pack Version 2015.12 (December 2015)**

The data contains a limited Canadian network from the TomTom Multinet Canada network data. This network contains driving data only, and allows you to take logical paths across Canada when it makes sense (e.g., Alaska to Seattle, Buffalo to Detroit, etc.).

## Installing Routing Data

Refer to the following sections for full or partial data installation instructions:

### **Full Installation**

The data DVD contains both the driving and walking data for Routing J Server. Each dataset has its own set of nested folders, both using the same folder structure. When copying data, copy the contents of the data DVD and preserve the directory structure of the DVD. You may copy only the Driving data folder, only the Pedestrian data folder, or both folders, provided you maintain the same Routing J Server U.S. Data Update directory structure as on the DVD. The datasets cannot be copied into one directory; each dataset must be kept in its own directory. Routing J Server is a file reading intensive service. To enhance performance, we recommend installing data on a separate, stand-alone hard drive.

### **Partial Installation**

To install your routing data, copy the appropriate dataset(s) from the DVD. For example, to have the Routing J Server driving set up for New York, New Jersey, and Connecticut, copy the NorthEast driving data directory.

## Routing Data

This section explains the breakdown of the datasets on the DVD. Both the driving and walking datasets use the same regional breakdown, however walking and driving data are each stored in a separate directory structure on the data DVD.

The table that follows contains the layout of states for driving and pedestrian data for versions 3.2, 3.3 and 4.0 of the routing engine. There are two sets of these state files; one set for Driving data and another for Pedestrian data.

**Note:** The data can be used by the 3.2, 3.3 and 4.0 engines.

Region	State	State Abbreviation	Street Distribution Files	Highway Distribution Files
Central	Alaska	ak1	ak1min	ak1maj
	Alaska	ak2	ak2min	ak2maj
	Colorado	co1	cx1min	cx1maj
	Colorado	co2	cx2min	cx2maj
	Arizona	az1	uazmin	uazmaj
	Iowa	ia1	uiamin	uiamaj
	Idaho	id1	uidmin	uidmaj
	Kansas	ks1	uksmin	uksmaj
	Montana	mt1	umtmin	umtmaj
	North Dakota	nd1	undmin	undmaj
	Nebraska	ne1	unemin	unemaj
	New Mexico	nm1	unmmin	unmmaj
	Oklahoma	ok1	uokmin	uokmaj
	South Dakota	sd1	usdmin	usdmaj
	Utah	ut2	ut1min	ut1maj
	Utah	ut3	ut2min	ut2maj
	Utah	ut4	ut3min	ut3maj
	Utah	ut5	ut4min	ut4maj
	Utah	ut6	ut5min	ut5maj
	Utah	ut1	uutmin	uutmaj
Wyoming	wy1	uwymmin	uwymaj	
Midwest	Minnesota	mn1	mn1min	mn1maj
	Minnesota	mn2	mn2min	mn2maj
	Minnesota	mn3	mn3min	mn3maj
	Minnesota	mn4	mn4min	mn4maj
	Illinois	il1	ui1min	ui1maj
	Illinois	il2	ui2min	ui2maj
	Indiana	in1	uinmin	uinmaj
	Kentucky	ky1	ukymin	ukymaj
	Michigan	mi1	um1min	um1maj
	Michigan	mi2	um2min	um2maj
	Michigan	mi6	um6min	um6maj
	Missouri	mo1	um7min	um7maj
	Ohio	oh1	uo1min	uo1maj
	Ohio	oh2	uo2min	uo2maj
	Wisconsin	wi1	uwimin	uwimaj
Northeast	Connecticut	ct1	uctmin	uctmaj
	District of Columbia	dc1	udcmin	udcmaj
	Delaware	de1	udemmin	udemaj
	Massachusetts	ma1	umamin	umamaj
	Maryland	md1	umdmin	umdmaj
	Maine	me1	umemin	umemaj
	New York	ny1	un1min	un1maj
	New York	ny2	un2min	un2maj
	New Hampshire	nh1	unhmin	unhmaj
	New Jersey	nj1	unjmin	unjmaj
	Pennsylvania	pa1	up1min	up1maj
	Pennsylvania	pa2	up2min	up2maj
	Rhode Island	ri1	urimin	urimaj
	Virginia	va1	uvamin	uvamaj
	Virginia	va2	uvimin	uvimaj
	Vermont	vt1	uvtmin	uvtmaj
	West Virginia	wv1	uwvmin	uwvmaj

Pacific	California	ca1	uc1min	uc1maj
	California	ca2	uc2min	uc2maj
	California	ca3	uc3min	uc3maj
	California	ca4	uc4min	uc4maj
	California	ca5	uc5min	uc5maj
	California	ca6	uc6min	uc6maj
	Hawaii	hi1	uhimin	uhimaj
	Nevada	nv1	unvmin	unvmaj
	Oregon	or1	uormin	uormaj
South	Washington	wa1	uwamin	uwamaj
	North Carolina	nc1	nc1min	nc1maj
	North Carolina	nc2	nc2min	nc2maj
	North Carolina	nc3	nc3min	nc3maj
	Tennessee	tn1	tn1min	tn1maj
	Tennessee	tn2	tn2min	tn2maj
	Tennessee	tn3	tn3min	tn3maj
	Alabama	al1	ualmin	ualmaj
	Arkansas	ar1	uarmin	uarmaj
	Florida	fl1	uf1min	uf1maj
	Florida	fl2	uf3min	uf3maj
	Florida	fl3	uf4min	uf4maj
	Florida	fl4	uf5min	uf5maj
	Georgia	ga1	ug1min	ug1maj
	Georgia	ga2	ug2min	ug2maj
	Guam	gu1	ugumin	ugumaj
	Louisiana	la1	ulamin	ulamaj
	Mississippi	ms1	umsmmin	umsmaj
	Puerto Rico	pr1	uprmin	uprmaj
	South Carolina	sc1	uscmin	uscmaj

## File Types

Each dataset contains the following types of files:

Type	Extension	Description
Street Name file	.st	Contains a list of all the street names for the dataset.
Map file	.rmf	Contains the data associated with arcs and nodes in the dataset.
Index file	.mnd or .rnd	An index into the map file. An index has an ".mnd" extension if it is part of the minor road network and an ".rnd" extension if it is a RAM map. Each dataset must contain at least one index file with an ".rnd" extension.
Road Type Defaults file	.rtd	Contains the default speeds for each road type. Each dataset must contain this file.
Dataset Descriptor file	.xml	Contains information about the dataset. Must conform to the DatasetDescriptor.xml.

## Known Issues

Due to significant enhancements in the quality and coverage, the heap-size requirement for the data has gone up since the past few releases. The RJS instances with smaller heap-size settings are likely to face an “**Out of memory**” error while using the new data. To avoid the error, increase the heap-size of the RJS instance, by following the steps:

1. Shut down the RJS instance, in case it is running and browse to ~\Tomcat-Routing\bin folder in your RJS installation directory.
2. Open the **catalina.bat** batch file in a text editor such as Notepad or Editplus.
3. Edit the **JAVA\_OPTS** environment variable to suitable values, as illustrated below.

```
set JAVA_OPTS=-server -Xms1024m -Xmx4096m -XX:MaxPermSize=80m -Dsun.net.client.defaultConnectTimeout=10000
```

4. Save the edits, close the text editor and start the server for use.

Please get in touch with our support team in case of queries.