



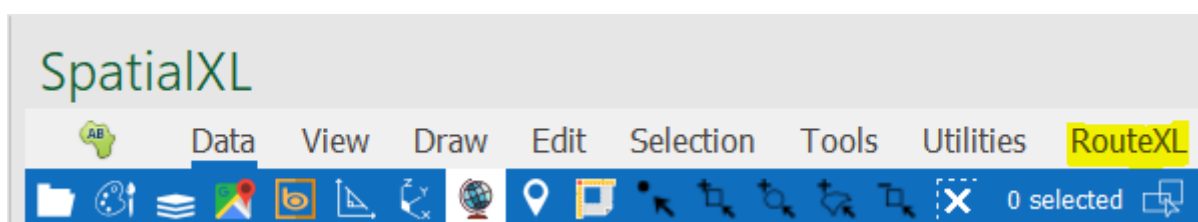
Bulk Routing in RouteXL

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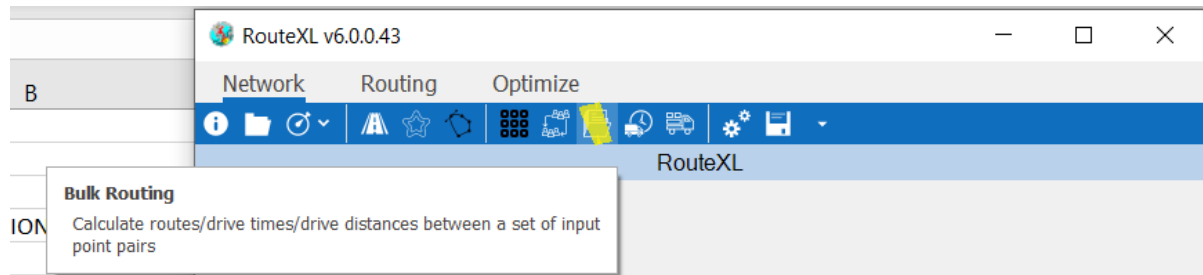
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RouteXL

RouteXL is an add-in to SpatialXL that allows optimised routing, transportation scheduling and high-speed bulk routing operations.



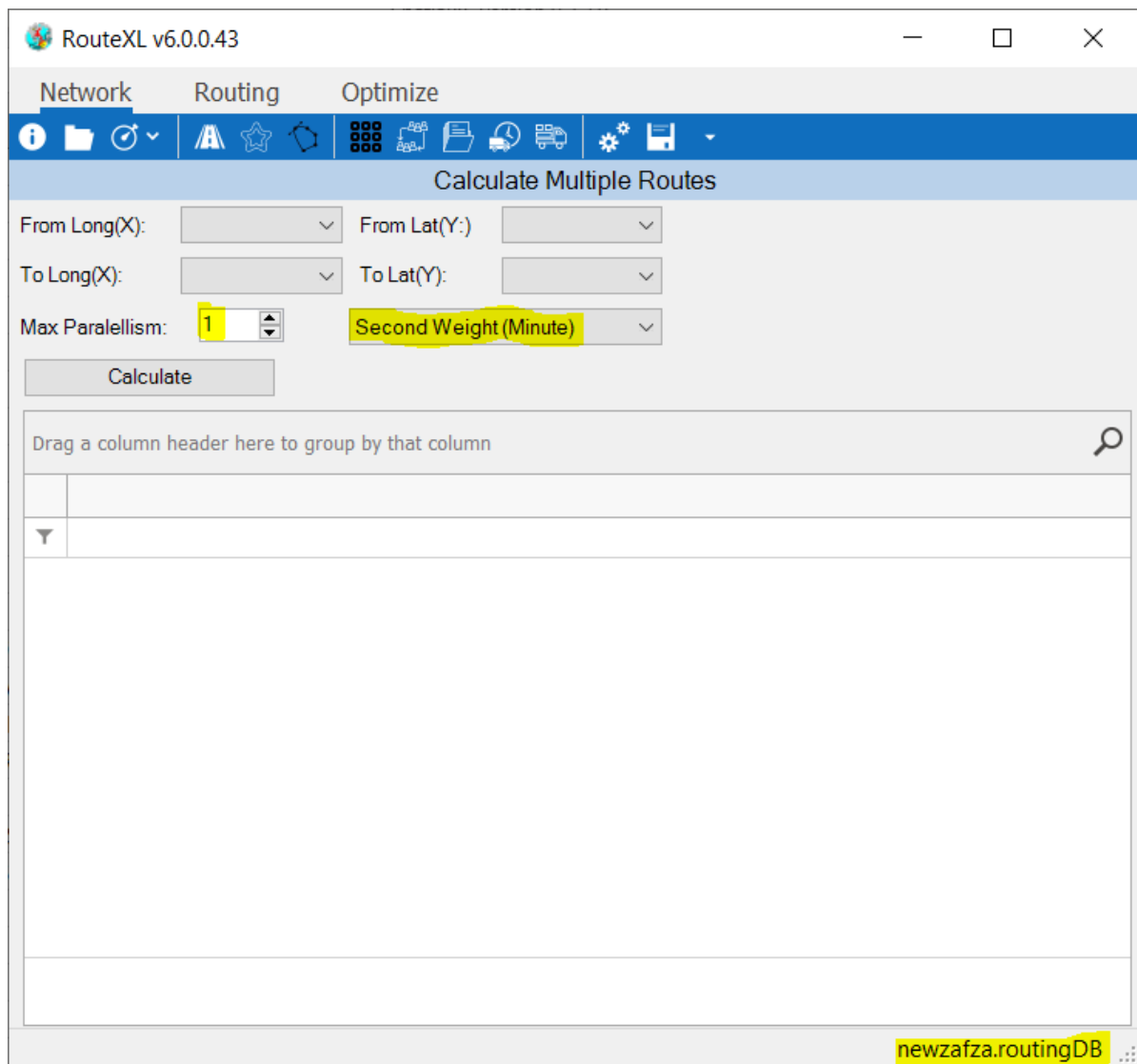
Bulk Routing



There is a sample Excel file available to download from our website that you can use and follow along with in the steps below: [RouteXL-Sample-Workbook.zip](#)

How to set up your data

Load your Routing Network by browsing to your .routingDB file. Your Routing Network will be displayed in the bottom right corner of your RouteXL window. I loaded **newzafza.routingDB** which is the South African Routing Network.



You can either optimize your route by **First Weight (Meter)** or **Second Weight (Minute)**. I have chosen Second Weight (Minute).

Max Parallelism is set at **1** as a default. This is the basic setting for processing your data.

Inputting your data

You need to set up your data as below so you can perform the **Bulk Routing** exercise correctly.

Bulk Routing User Guide

A	B	C	D	E	F	G	H
OUTLET FROM	NAME	FROM LATITUDE	FROM LONGITUDE	OUTLET TO	NAME1	TO LATITUDE	TO LONGITUDE
136	ALBERTON HYPER LIQUOR	-26.272800	28.122200	190	SUPER SPAR*MEYERSDAL	-26.290167	28.091184
138	ALBERTON WHOLESALERS	-26.270050	28.122167	191	SUPERSPAR*SQUEEZE IN	-26.260210	28.130950
139	BP*GROBLER SERVICE STATION	-26.276130	28.122770	192	TOTAL*BRACKENDOWNS	-26.344590	28.093100
140	BP EXPRESS*RANDHART	-26.337667	28.194684	193	TOTAL*BRACKENHURST	-26.326400	28.099100
141	BRACKENDOWNS LIQUOR STORE	-26.337667	28.194684	195	VERWOERD PARK DISCOUNT SUPERMARKET & BAKERY	-26.265000	28.140100
142	CALTEX*HENNICO SERVICE STATION	-26.260540	28.124850	196	LOCO LIQ LIQUORS	-26.309980	28.106320
143	CALTEX*FLORENTIA MOTORS	-26.263000	28.135400	197	ZENEX SNACK SHOP*HART SERVICE STATION	-26.299300	28.093617
144	CALTEX*STARMART*STAR SERVICES	-26.340280	28.112600	198	GOLDEN BAKE	-26.318420	28.132920
145	NUNOS CONVENIENCE STORE	-26.264900	28.115820	199	TOTAL*ALRODE SERVICE STATION	-26.317584	28.131900
146	CHECKERS*ALBERTON CITY	-26.254500	28.112800	200	ALRODE SNACK BAR	-26.300800	28.140000
148	CALTEX*COYS SERVICE STATION	-26.263104	28.126640	201	ALRODE SOUTH SUPER SAVE	-26.318450	28.132970
149	DAILY CONVENIENT STORE	-26.261400	28.127100	203	BP EXPRESS*TRIO	-26.318480	28.133000
150	ENGEN QUICK SHOP*BRACKENTEN MOTORS	-26.321800	28.086900	204	CLIFFYS CASH & CARRY	-26.324890	28.138720
152	ENGEN QUICK SHOP*JACQUELINE SERVICE STATION	-26.296617	28.115767	205	CALTEX*LAMBCO SERVICE STATION	-26.318490	28.132360
153	ENGEN QUICK SHOP*KRITZINGER SERVICE STATION	-26.264817	28.147534	206	LESLIE GENERAL DEALER	-26.380800	28.135300
154	ENGEN QUICK SHOP*NEW MARKET SERVICE STATION	-26.272000	28.122300	207	PALM GOLD CAFE	-26.318470	28.132990
155	ENGEN QUICK SHOP*NEW REDUTH	-26.272440	28.127140	208	EEDN PALLMS WHOLESALERS	-26.320200	28.120600
156	ENGEN QUICK SHOP*VERWOERDPARK SERVICE STATION	-26.273980	28.144480	209	PORDOSOL RESTAURANT	-26.377600	28.131800
157	ENGEN QUICK SHOP*VILLAGE MOTORS	-26.309980	28.106320	210	RAYMOND CASH STORE	-26.377400	28.131600
158	SASOL DELIGHT*MEYERSDAL	-26.289217	28.091434	211	SHARKEYS WHOLESALERS	-26.319600	28.120600
159	FRIENDLY SUPERMARKET*RETSOS	-26.296867	28.117450	212	SUPA DUPA SUPERMARKET	-26.380700	28.133000
160	HELENS CAFÉ	-26.272800	28.122300	215	BP EXPRESS*NEW MARKET	-26.289600	28.139930
161	HOT SPOT LIQUOR	-26.259200	28.128100	216	HOLEY SMOKE	-26.261984	28.123084
163	KWIKSPAR*MAYBERRY PARK	-26.319390	28.121930	217	NIZAMS SUPERMARKET	-26.256200	28.132500
164	LIQUOR CITY BRACKENDOWNS	-26.339550	28.095660	218	ENGEN QUICK SHOP*OTHANDWENI SERVICE STATION	-26.318490	28.133010
165	LIQUOR VILLAGE	-26.268784	28.120150	219	PAMS STORE	-26.381700	28.134000
166	LOCO LIQUORS	-26.309380	28.107620	221	EMTHONJENI SUPERMARKET	-26.273500	28.123200
167	LOIZOS	-26.265300	28.129800	223	PICK N PAY FAMILY*ALBERTON	-26.281010	28.123510

Copy and Paste this into your RouteXL window.

RouteXL v6.0.0.43

Network Routing Optimize

Calculate Multiple Routes

From Long(X): From Lat(Y):

To Long(X): To Lat(Y):

Max Parallelism: Second Weight (Minute)

Calculate

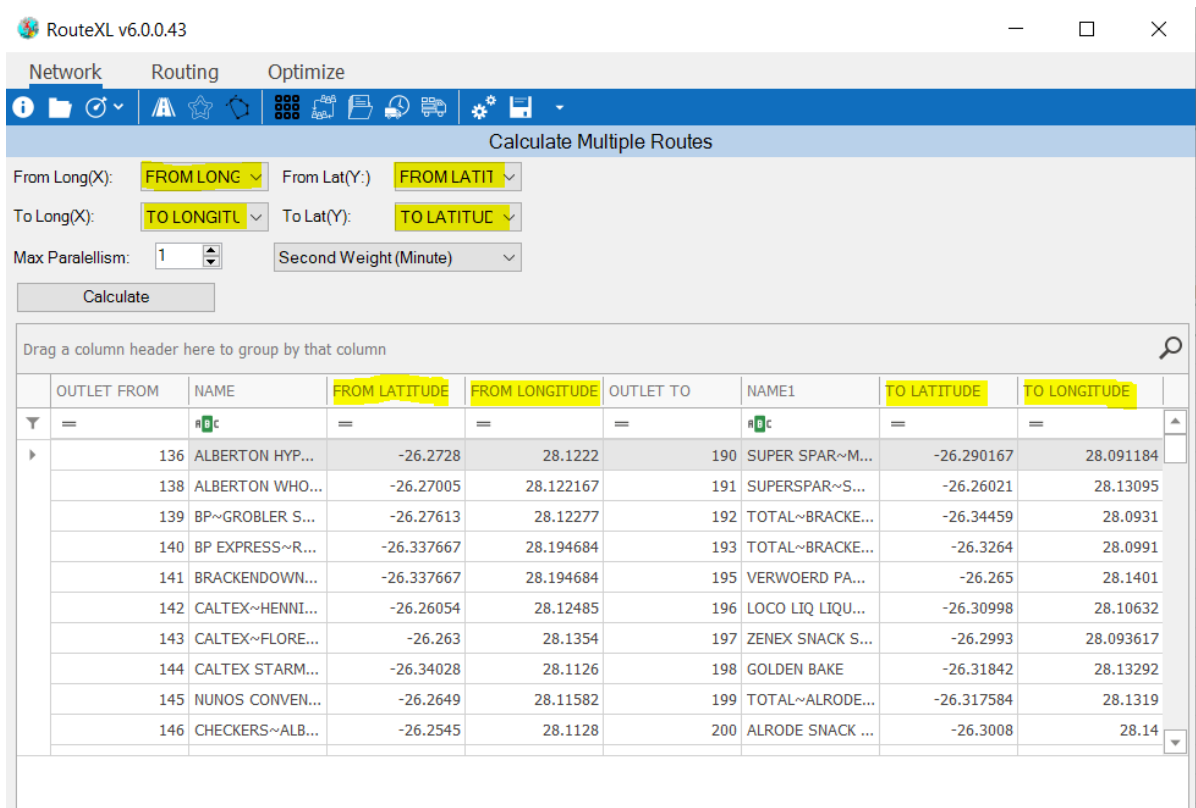
Drag a column header here to group by that column

	OUTLET FROM	NAME	FROM LATIT...	FROM LONGI...	OUTLET TO	NAME1	TO LATITUDE	TO LONGITUDE	
▼	=		=	=	=		=	=	▲
▶	136	ALBERTON H...	-26.2728	28.1222	190	SUPER SPAR...	-26.290167	28.091184	
	138	ALBERTON W...	-26.27005	28.122167	191	SUPERSPAR~...	-26.26021	28.13095	
	139	BP~GROBLER ...	-26.27613	28.12277	192	TOTAL~BRAC...	-26.34459	28.0931	
	140	BP EXPRESS...	-26.337667	28.194684	193	TOTAL~BRAC...	-26.3264	28.0991	
	141	BRACKENDO...	-26.337667	28.194684	195	VERWOERD P...	-26.265	28.1401	
	142	CALTEX~HEN...	-26.26054	28.12485	196	LOCO LIQ LIQ...	-26.30998	28.10632	
	143	CALTEX~FLO...	-26.263	28.1354	197	ZENEX SNACK...	-26.2993	28.093617	
	144	CALTEX STA...	-26.34028	28.1126	198	GOLDEN BAKE	-26.31842	28.13292	
	145	NUNOS CONV...	-26.2649	28.11582	199	TOTAL~ALRO...	-26.317584	28.1319	
	146	CHECKERS~A...	-26.2545	28.1128	200	ALRODE SNA...	-26.3008	28.14	▼

newzafza.routingDB

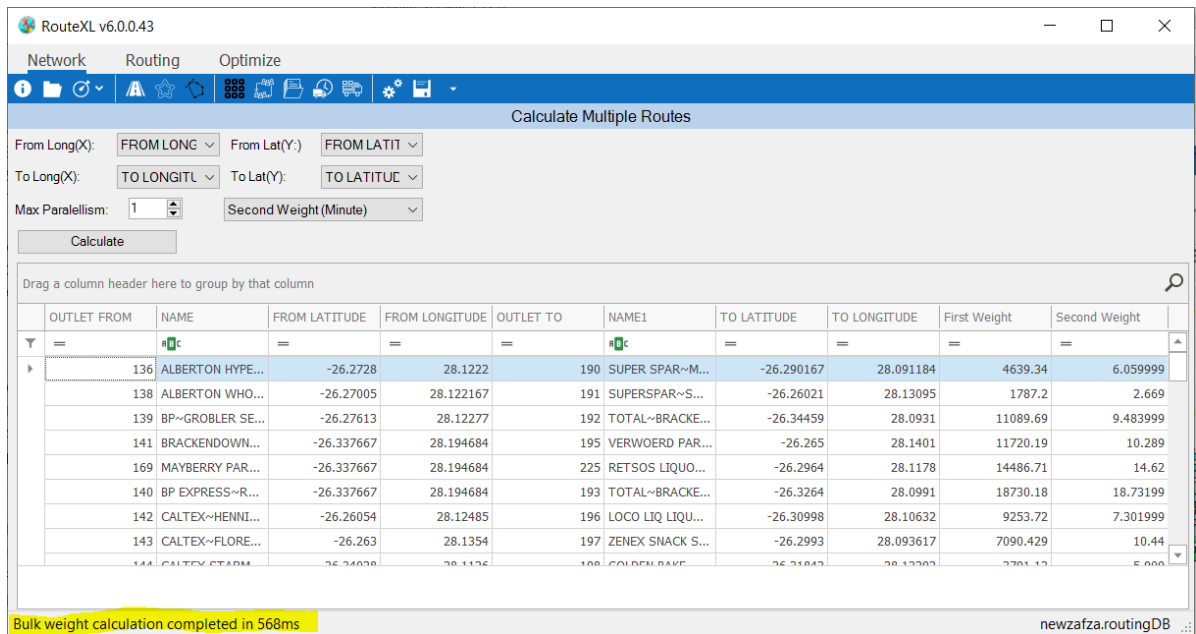
From the dropdown arrows, fill in the appropriate coordinates.

Bulk Routing User Guide



Click on **Calculate**.

Understanding your data



The calculation took 568 milliseconds as you see above.

Bulk Routing User Guide

RouteXL v6.0.0.43

Network Routing Optimize

Calculate Multiple Routes

From Long(X): FROM LONG From Lat(Y): FROM LATIT
To Long(X): TO LONGITL To Lat(Y): TO LATITUE
Max Parallelism: 1 Second Weight (Minute)

Calculate

Drag a column header here to group by that column

OUTLET FROM	NAME	FROM LATITUDE	FROM LONGITUDE	OUTLET TO	NAME1	TO LATITUDE	TO LONGITUDE	First Weight	Second Weight
126 ALBERTON LYDE		-26.2728	28.1222	190 SUPER SPAR~M...		-26.290167	28.091184	4639.34	6.059999
		-26.27005	28.122167	191 SUPERSPAR~S...		-26.26021	28.13095	1787.2	2.669
		-26.27613	28.12277	192 TOTAL~BRACKE...		-26.34459	28.0931	11089.69	9.483999
		-26.337667	28.194684	195 VERWOERD PAR...		-26.265	28.1401	11720.19	10.289
			194684	225 RETSOS LIQUO...		-26.2964	28.1178	14486.71	14.62
			194684	193 TOTAL~BRACKE...		-26.3264	28.0991	18730.18	18.73199
		-26.26054	28.12485	196 LOCO LIQ LIQU...		-26.30998	28.10632	9253.72	7.301999
		-26.263	28.1354	197 ZENEX SNACK S...		-26.2993	28.093617	7090.429	10.44
		-26.26038	28.1136	198 GOLDEN BAKE...		-26.31843	28.13303	3381.13	5.000

Bulk weight calculation completed in 568ms

newzafza.routingDB

You can copy, save, pivot and import a CSV File for further analysis.

Support

T: +27871354351



support@primethought.biz - primethought.biz
Kyalami Estate, Midrand, Johannesburg,
1684, South Africa

