



RouteXL 7.0.1.0 Release Notes

- ✓ Minor bugfixes.
- ✓ Nice progress bar on setting point range in QVR.
- ✓ Automatically navigate to cells on error when loading from sheet.
- ✓ In QVR, we now show results in the results grid for clusters that did solve even if not all clusters were solved successfully.
- ✓ In QVR, there is a new Cost column that comes through in the results grid indicating total cost for each trip based on the vehicle used.

Drag a column header here to group by that column																			
	CLUSTER	Sequence	Vehicle...	Instance	Point	X	Y	Load	Arrival ti...	Wait time	Demand	Delay	Distance	Travel ti...	Total time	Cost	Shift%	Capacity%	Pool
▶	9	1	TruckA	1	Depot1	28,111	-26,287	0,00	0,00	15,00	0,00	15,00	0,00	0,00	15,00	0,00	56	100	A
	9	2	TruckA	1	187	28,124	-26,281	0,00	117,00	115,00	5,00	115,00	2158,60	2,25	117,25	4321,69	56	100	A
	9	3	TruckA	1	Depot1	28,111	-26,287	5,00	134,00	15,00	0,00	15,00	2164,10	2,24	17,24	4332,68	56	100	A
	9	1	TruckA	2	Depot1	28,111	-26,287	0,00	0,00	15,00	0,00	15,00	0,00	0,00	15,00	0,00	56	100	A
	9	2	TruckA	2	187	28,124	-26,281	0,00	117,00	115,00	5,00	115,00	2158,60	2,25	117,25	4321,69	56	100	A
	9	3	TruckA	2	Depot1	28,111	-26,287	5,00	134,00	15,00	0,00	15,00	2164,10	2,24	17,24	4332,68	56	100	A
	9	1	TruckA	3	Depot1	28,111	-26,287	0,00	0,00	15,00	0,00	15,00	0,00	0,00	15,00	0,00	56	100	A
	9	2	TruckA	3	187	28,124	-26,281	0,00	117,00	115,00	5,00	115,00	2158,60	2,25	117,25	4321,69	56	100	A
	9	3	TruckA	3	Depot1	28,111	-26,287	5,00	134,00	15,00	0,00	15,00	2164,10	2,24	17,24	4332,68	56	100	A
	9	1	TruckA	4	Depot1	28,111	-26,287	0,00	0,00	15,00	0,00	15,00	0,00	0,00	15,00	0,00	56	100	A
	9	2	TruckA	4	187	28,124	-26,281	0,00	117,00	115,00	5,00	115,00	2158,60	2,25	117,25	4321,69	56	100	A
	9	3	TruckA	4	Depot1	28,111	-26,287	5,00	134,00	15,00	0,00	15,00	2164,10	2,24	17,24	4332,68	56	100	A
	9	1	TruckA	5	Depot1	28,111	-26,287	0,00	0,00	15,00	0,00	15,00	0,00	0,00	15,00	0,00	56	100	A
	9	2	TruckA	5	187	28,124	-26,281	0,00	117,00	115,00	5,00	115,00	2158,60	2,25	117,25	4321,69	56	100	A
	9	3	TruckA	5	Depot1	28,111	-26,287	5,00	134,00	15,00	0,00	15,00	2164,10	2,24	17,24	4332,68	56	100	A
	9	1	TruckB	1	Depot1	28,111	-26,287	0,00	0,00	15,00	0,00	15,00	0,00	0,00	15,00	0,00	93	100	A
	9	2	TruckB	1	154	28,122	-26,272	0,00	120,00	50,00	5,00	50,00	3174,80	2,95	52,95	3177,75	93	100	A
	9	3	TruckB	1	Depot1	28,111	-26,287	5,00	138,00	15,00	0,00	15,00	2986,90	2,79	17,79	2989,69	93	100	A

This cost will be based on the figures you specify in the Distance Cost Factor and Time Cost Factor fields in your Vehicle tab of your input sheet.

Point Columns		Vehicle columns					
Unique ID:	Vehicle_ID	Start Point:	Start	End Point:	End	Pool:	Pool
Travel time factor:	Travel Time Factor	Shift time:	Shift	Capacity:	Capacity	Priority:	Priority
Time Cost Factor:	Time Cost Factor	Distance Cost Factor:	Distance Cost Factor	Type:	<None>		

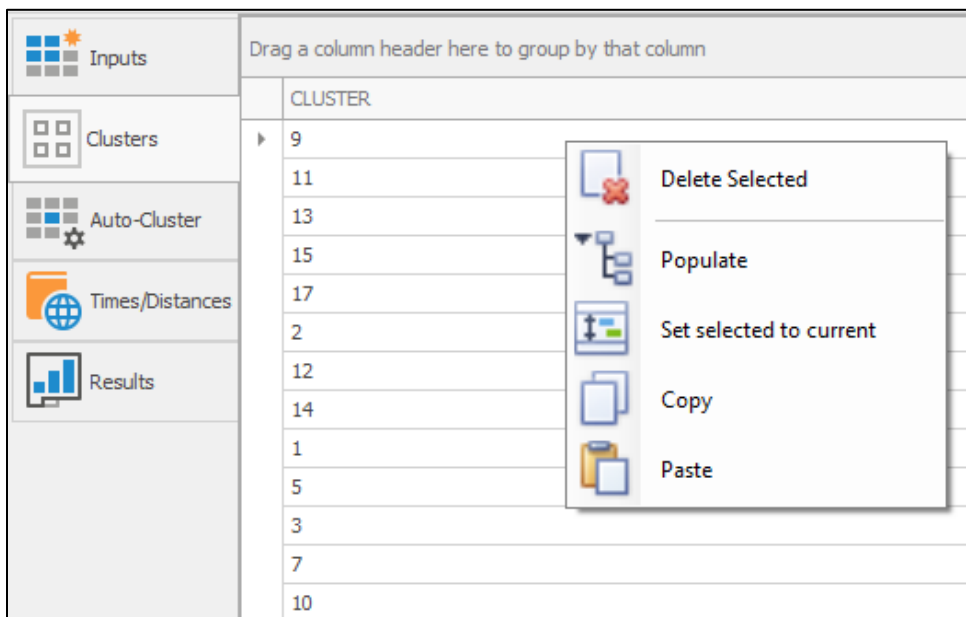
	A	B	C	D	E	F	G	H	I	J	K
1	Vehicle_ID	Instance	Start	End	Capacity	Shift	Travel Time Factor	Time Cost Factor	Distance Cost Factor	Priority	Pool
2	TruckA	20	Depot1	Depot1		5	240		2		6 A
3	TruckB	20	Depot1	Depot1		5	240		1	1	1 A
4	Truck1	20	Depot2	Depot2		5	240	0,	1	1	1 B
5											

The cost unit is whatever you choose it to mean, such as dollars, per unit of time and distance that your routing network that you are using is built on.

For example, if I am using a routing network that is built on meters, and the cost unit I want to use is dollars, then if I put a 1 in the Distance Cost Factor field of my vehicle input sheet, then this indicates a cost of 1 dollar per 1 meter travelled.

If the routing network I am using is built on time units of minutes, then if I put a 1 in the Time Cost Factor field of the vehicle input sheet then this indicates a cost of 1 dollar for every minute spent travelling by the vehicle.

- ✓ In QVR, in the Clusters tab you can now copy out and paste in cluster-pool assignments making entry much easier. You can also delete selected rows. These new functions are seen in the right click context menu.



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