



# Requirements:

## Associate type of client to type of vehicle

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The functionality "Requirements" is used to indicate that a vehicle has to visit a client in particular. This may interest you for several reasons: for example, if some clients need to be addressed by a particular vehicle or if the driver has some specialized knowledge to serve a specific customers' group.

To begin, you must download the two specific templates for "Requirements", for vehicles and customers. We recommend using these new Excel (it's the same Excel that you are already using, to which we added the "Requirements" column). You can also add the new column to its previous Excel. Always remember that it is very important to keep the formatting of cells and not rename columns.



We have to classify customers and vehicles in the same way (A, B, C, D, ...). Below, we show an example: we have 2 vehicles (one of type "A" and one of type "B") and there is a route with 6 clients (1 of type "A", 2 "B" and 3 have no requirements).

To use this feature, you must enter the values assigned in the "Requirements" column in the Excel client and Excel vehicle:

Excel clients

Client		
ID	Name	Requirement
1	Hotel1	A
2	Hotel2	
3	Hotel3	
4	Hotel4	B
5	Hotel5	
6	Hotel8	B

Excel vehicles

Vehicle		
ID	Name	Requirement
1	Robert Jones	A
2	Daniel Smith	B

## 1. Vehicles' Excel spreadsheet

In the vehicles' Excel you will find the "Requirements" column, which must have a different value for each vehicle. In this case, the values are alphabetical (A and B) but could also be numeric (1, 2, 3, ...) or otherwise.



Vehicle								Start Time	End Time	Duration	Possible Break	Possible Break	Return	Requirement
ID	Name	Street	Number	City	Postal Code	Province	Country	Workday	Workday	Break	From	Until	Base	
1	Robert Jones	Elverton Street	1	London	SW1P-2DT	London	United Kingdom	9:00	20:00	1:00	13:00	15:00	Y	A
2	Daniel Smith	Elverton Street	1	London	SW1P-2DT	London	United Kingdom	9:00	20:00	1:00	13:00	15:00	Y	B

## 2. Clients' Excel spreadsheet

In the clients' Excel (column "Requirements"), you have to indicate the type of vehicle you want for every customer. To do this, you must enter the values previously assigned to vehicles in the vehicles' Excel. For customers that can be visited by any vehicle, leave the box blank so Routing Reparto maximizes its route optimization.

Client								Possible Visit	Possible Visit	Visit	Requirement
ID	Name	Street	Number	City	Postal Code	Province	Country	From	Until	Duration	
1	Hotel1	Eaton Square	112	London	SW1W-9AQ	London	United Kingdom	09:00	18:00	0:3	A
2	Hotel2	Piccadilly	210	London	W1J-0LF	London	United Kingdom	09:00	18:00	0:2	
3	Hotel3	Kensington Gore	84	London	SW7-2AW	London	United Kingdom	09:00	18:00	0:1	
4	Hotel4	Pall Mall East	5	London	SW1Y-5AU	London	United Kingdom	09:00	18:00	0:2	B
5	Hotel5	Whitehall	70	London	SW1A-2AU	London	United Kingdom	09:00	18:00	0:2	
6	Hotel8	Shepherd Market	3	London	W1J-7JY	London	United Kingdom	09:00	18:00	0:2	B
7	Hotel9	Glasshouse Street	46	London	W1B-5AR	London	United Kingdom	09:00	18:00	0:1	
8	Hotel11	Kinnerton Street	11	London	SW1X-8EA	London	United Kingdom	09:00	18:00	0:2	
9	Hotel12	Grafton Street	3	London	W1S-4DZ	London	United Kingdom	09:00	18:00	0:1	
10	Hotel13	George Yard	1	London	W1K-6JF	London	United Kingdom	09:00	18:00	0:2	
11	Hotel14	Ambrosden Avenue	46	London	SW1P-1QF	London	United Kingdom	09:00	18:00	0:2	
12	Hotel15	Smith Square	5	London	SW1P-3EU	London	United Kingdom	09:00	18:00	0:1	

