

MyOwnDeliveries

a Magento 2 module

User manual

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Installation

Upload module

This method requires access to the server FTP or SSH with files

Unzip the module and drop the folder «LaBulle/myOwnDeliveries/» in the folder /app/code/community/ on the Magento folder on your web server.

Module installation

Install using console

This method requires access to the server bash

Unzip the module and drop the folder «LaBulle/myOwnDeliveries/» in the folder /app/code/community/ on the Magento folder on your web server.

Then login to the console of your web server and run :
php bin/magento setup:upgrade

Install via the Component Manager

This method requires Cron tasks set up and proper running. In case it has not performed yet do it. You will need it further, not only for extensions installation.

Go to System > Web Setup Wizard > Component Manager

The screenshot displays the Magento Component Manager interface. On the left is a sidebar with navigation icons for Home, Component Manager (active), System Upgrade, and System Config. The main content area is titled 'Component Manager' and features a 'Magento Marketplace Account' summary card. This card shows 'New Updates' as 135, 'New Purchases' as 6 with an 'Install' link, and 'Last Sync' at 12:59:27 PM on Nov 10, 2017, with a 'Sync' button. Below the summary, it indicates '136 records found' and a pagination control set to '20 per page'. A table lists the installed components:

	Component Name	Module Name	Version	Type	Vendor	Actions
⊖	LaBulle/MyOwnDeliveries	LaBulle_MyOwnDeliveries	1.3.4	module	LaBulle	Select ▲ Enable
i	magento/framework		100.1.5	library	magento	
i	magento/language-de_de		100.1.1	language	magento	Select ▼

Simply click Enable on line with 'LaBulle_MyOwnDeliveries'

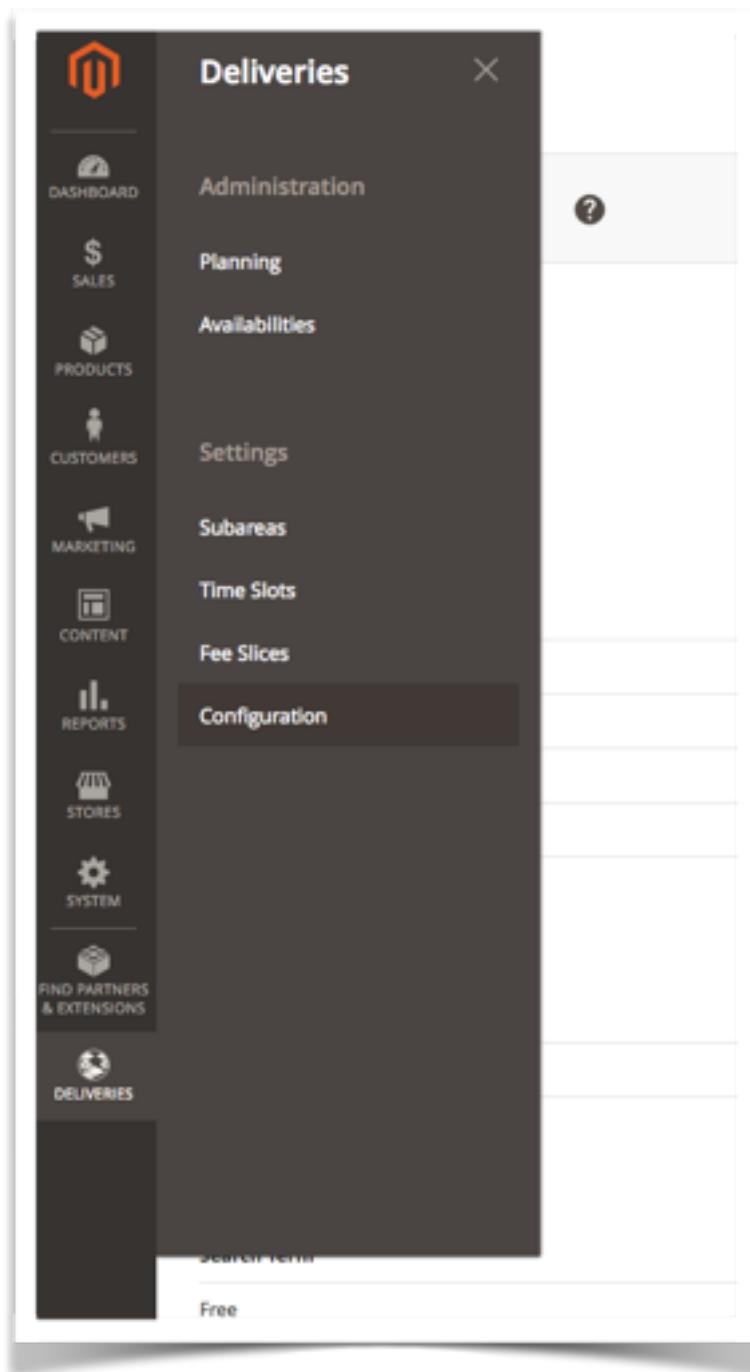
In case Magento is set up properly you'll see the notification that all of the systems run correctly.

The screenshot shows the 'Enable Labulle_MyOwnDeliveries' wizard. The left sidebar contains navigation links: HOME, COMPONENT MANAGER, SYSTEM UPGRADE, and SYSTEM CONFIG. The main content area has a progress bar with three steps: 1. Readiness Check (active), 2. Create Backup, and 3. Enable Module. Below the progress bar are buttons for 'Try Again', 'Back', and 'Next'. The title 'Step 1: Readiness Check' is displayed. A yellow banner indicates 'Completed! You can now move on to the next step.' Below this, three checks are listed: 'Check Updater Application Availability' (passed), 'Check Cron Scripts' (passed), and 'Check Component Dependency' (pending). The 'Check Cron Scripts' section includes two notices: 'Notice from Setup Application Cron Script: We recommend you schedule cron to run every 1 minute' and 'Notice from Updater Application Cron Script: We recommend you schedule cron to run every 1 minute'.

Further, before you enable the module, Backup creation will be proposed. And finally we will see the following screen:

The screenshot shows the 'Enable Labulle_MyOwnDeliveries' wizard at Step 2: Create Backup. The progress bar shows Step 1 completed, Step 2 active, and Step 3 pending. The title 'Enable Labulle_MyOwnDeliveries' is displayed. Below the title, the text 'Update pending' is shown. A 'Console Log' button is present. The console log displays the following messages: '[2016-08-15 10:35:16 CEST] Job "maintenance_mode {"enable":true}" has been started', '[2016-08-15 10:35:16 CEST] Magento maintenance mode is enabled.', and '[2016-08-15 10:35:16 CEST] Job "maintenance_mode {"enable":true}" has successfully completed'.

Once installed you will see a new item in the back office main menu.

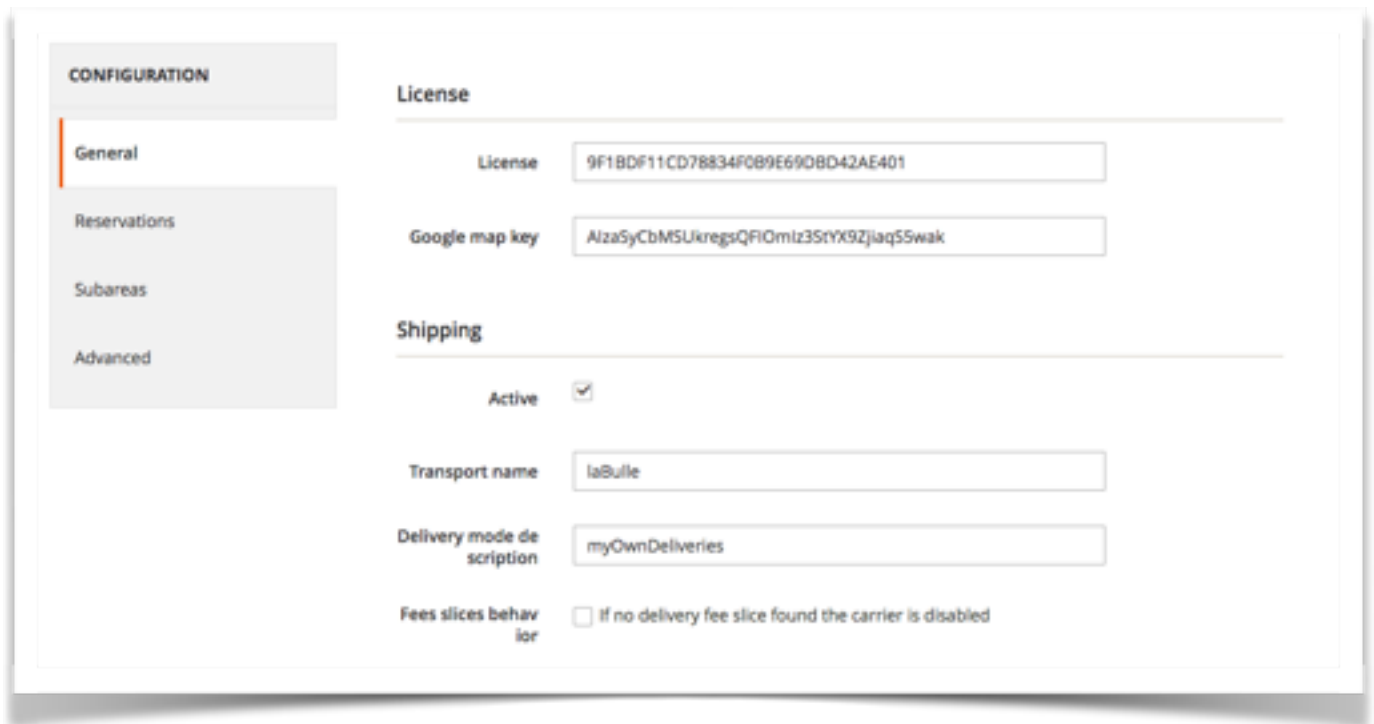


Now let's see the module configuration

Minimal Setup

General configuration

When add-on is installed it comes with some samples subareas and time slots. You only have a few parameters to set for the module to show up on front. Go to Deliveries > configuration to set them.



The screenshot shows the 'CONFIGURATION' page with a sidebar on the left containing 'General', 'Reservations', 'Subareas', and 'Advanced'. The 'General' tab is selected. The main content area is divided into two sections: 'License' and 'Shipping'. In the 'License' section, there is a 'License' field containing the key '9F1BDF11CD78834F0B9E690BD42AE401' and a 'Google map key' field containing 'AIzaSyCbMSUkregsQFIQmIz3StYX9ZjIaq55wak'. The 'Shipping' section has an 'Active' checkbox checked, a 'Transport name' field with 'laBulle', a 'Delivery mode description' field with 'myOwnDeliveries', and a 'Fees slices behavior' checkbox which is unchecked, with the label 'If no delivery fee slice found the carrier is disabled'.

Step 1 : License key

To enable the module a license key is required, otherwise the front office part is disabled.

If you are on a test server running locally (IP 192.169.0.X or 127.0.0.1, host localhost) then it is not necessary to indicate a key for the front office to display

If not you need to generate your license :

- Log onto your account www.labulle.net to generate it for your domain name. If you not already have an account contact us at info@labulle.net.
- Fill domain name (You will be able to change your license key only if it contains "test." otherwise indicate us your domain name so that we generate you another license key by email.)
- And click generate then copy the key into the key field of module configuration.

Step 2 : Google Map Key

To display the geographic map (if address verification is checked or with radius subareas or with mobile app) a key is needed for the use of Google API

follow these steps to get an API key:

- Go to the Google API Console.
- Create or select a project.

- Click Continue to enable the API and any related services.
- On the Credentials page, get a Browser key (and set the API Credentials)

You will be able to change your license key only if it contains "test." otherwise indicate us your domain name so that we generate you another license key by email.

Step 3 : Shipping

Theses options let you configure the module as a carrier : you have to enable it to make it visible by customers on carrier selection during shipping on checkout page.

You can personalize the name et description of the delivery method that are show to the customer during checkout.

You can also Indicate the amount from which deliveries would be offered to the customer, if set to 0 the delivery cost is calculated from delivery subarea cost. If set to 0 the discount is disabled.

Front behavior

Default settings and data

The module will display a shipping method depending on customer address post code.

If the delivery address post code is in defined subareas the module will show shipping method and time slot selection. By default the customer must be in subareas but you can allow it anyway with « Unknown subareas reservation » options in subareas settings.

<input type="checkbox"/>	ID	Name	Status	City	Post Codes	Quota	Action
<input type="checkbox"/>	1	Zone 1	Enabled	TOULOUSE	31000	10	Select ▾
<input type="checkbox"/>	2	Zone 2	Enabled	TOULOUSE	31100; 31200;31300; 31400;3210	20	Select ▾

As sample data 2 subareas are defined, on for the city center and one for city suburbs (The subareas are separated for a precise quota). As you see a city is indicated so the customer city must also match the subarea city.

Forbidden case

In this first test case we are using an address as customer with a city and post code that are not in defined subareas cities and post codes. So the delivery method is disabled and a message is indicating why (the message can be modified in advanced settings).

LUMA

Shipping 2 Review & Payments

Shipping Address

Patrice FAURE
40 Che de la Bourdette
Toulouse, Aisne 31400
France
0606060606

Ship Here

Patrice FAURE
1 Av Aristide Briand
toulouse, 31400
France
+33620788051

Ship Here

Patrice FAURE
8 rue hermes
Ramonville St Agne, 31520
France
+33606060606

Ship Here

+ New Address

Shipping Methods

€0.00 laBulle

✖ We can't deliver you. Your postal code is not in delivery subareas.

€5.00 Fixed Flat Rate

Next

Order Summary

1 Item in Cart

Allowed case

In this case the customer address match one of the subareas, so the shipping method is enabled. If the customer select it then a calendar is displayed for the customer to select a time slot. This is mandatory to place an order.

The screenshot shows the LUMA shipping address selection and shipping method selection interface. The interface is divided into two main sections: Shipping Address and Shipping Methods.

Shipping Address: The top section shows a progress bar with 'Shipping' (1) and 'Review & Payments' (2). Below the progress bar, the 'Shipping Address' section displays three address options. The first address is selected, indicated by a red checkmark and a red border. The address is: Patrice FAURE, 40 Che de la Bourdette, Toulouse, Alsne 31400, France, 0606060606. Below the address is a 'Ship Here' button. The second address is: Patrice FAURE, 1 Av Aristide Briand, toulouse, 31400, France, +33620788051. Below the address is a 'Ship Here' button. The third address is: Patrice FAURE, 8 rue hermes, Ramonville St Agne, 31520, France, +33606060606. Below the address is a 'Ship Here' button. There is also a '+ New Address' button.

Shipping Methods: The bottom section shows two shipping methods. The first method is 'myOwnDeliveries' with a price of €7.00 and a 'laBulle' label. The second method is 'Fixed' with a price of €5.00 and a 'Flat Rate' label. Below the shipping methods is a 'Select a timeslot for delivery' section. This section shows a calendar for the week of April 10th to 16th. The calendar has two rows of time slots: 8:00 and 10:00. The 8:00 row shows slots for Monday 8H, Tuesday 8H, Friday 8H, and Sunday 8H. The 10:00 row shows slots for Monday 10H, Tuesday 10H, Wednesday 10H, Thursday 10H, Friday 10H, and Sunday 10H. Below the calendar is a 'Previous Week' button, a text label 'Availability in week 15 of 2017 for Zone 2 (31400 Toulouse)', and a 'Next Week' button. A 'Next' button is located at the bottom right of the interface.

Module Settings

Configuration

Reservations settings

CONFIGURATION

- General
- Reservations**
- Subareas
- Advanced

Reservation window

Reservation start: The same day

Min delay: 00 H 00

☐ Allow reservation on a current time slot

Reservation period: 20 days

Reservation window

Reservation start

This option allows you to choose when the reservation start.

- Select "the current day" so that reservation can be made the day of order, in which case you must specify whether the reservations can be made during the current slot, otherwise the reservations will only be possible on the next time slot.
- Select "After a few days" so that reservations can be made one or more days after the date of the order, in this case you need to specify the number of days in period (1 for next day, 2 for on-day etc. ...).
- Select "next week" so that reservations are only possible one week to the next (if the current week is started, the booking will only be possible from the beginning of the following week). In this case you can change the day and time of the start of the week.

Select "After a few weeks" so that reservations can be made a week or more after the date of the order, in this case you must specify the number of weeks of delay.

Reservation period

This option let you chose the reservation period in days. For instance if the reservation start is set to 1 day after and the reservation period is set to 2, the customer can select a delivery time slot during the two next days. If this parameter is set to 0, the reservations are available until the end of start day.

More details about reservation window

The booking window is all the weeks which a reservation is possible. Defined by:

- The day and start time of the booking period,
- The reservation shift that defines the number of weeks to wait to make a reservation
- The reservation period that defines the number of weeks during which it is possible to make a reservation

In all cases it is not possible to perform reservation the same day.

Reservation windows samples

mon	tue	wed	thu	fri	sat	sun
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1

In the example displayed, the reservation windows is defined by :

Reservation period : 7 days

Reservation start : The next week

week start : Monday 00H00

The days available begins on Monday of the next week.

mon	tue	wed	thu	fri	sat	sun
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1

In the example displayed, the reservation windows is defined by :

Reservation period : 12 days

Reservation start : The same day

The days available begins the current day for 12 days.

mon	tue	wed	thu	fri	sat	sun
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1

In the example displayed, the reservation windows is defined by :

Reservation period : 12 days

Reservation start : After some days :
1 day

The days available begins the next day for 12 days.

Working hours

Working hours

Lundi

From

00

▼

H

00

▼

to

00

▼

H

00

▼

Mardi

From

00

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H

00

▼

to

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Mercredi

From

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Samedi

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Dimanche

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Reservations

☐ Forbid reservation before and after working hours

Deliveries

☐ Outside working times force earlier delivery to next working time

☐ Inside working times force earlier delivery for next day

Price

☐ Use a distinct price for deliveries outside working times

Working hours let's go further on how reservation is enabled or start depending on order time. You can set start and end time for each working day and then you can set the bellowing options.

CONFIGURATION	
General	
Reservations	
Subareas	
Advanced	

Subareas	
Unknown subarea reservation	Allowed without automatic validation ▼
Unknown subarea quota	Unlimited ▼
PostCode format	--Please Select-- (1 à 12 caractères alphanumériques max) ▼
Post code match	Exact ▼

Subareas settings

Unknown subarea reservation

Select the reservation capabilities for customers who are situated outside the configured subareas :You can forbidden deliveries for customer which post code is not in subareas you configured.You can also choose to set automatic validation or not (depending on the status of order).

Unknown subarea quota

If reservations are allowed for customers situated outside configured subareas select the quota that would be applied for time slot occupation calculation.

Post Code Format

Select the post code format of your customers for validity check during the subscription.

Advanced settings

The screenshot shows the 'Advanced' settings page for 'Reservation'. On the left, a sidebar lists 'CONFIGURATION' with options: General, Reservations, Subareas, and Advanced (highlighted with an orange bar). The main content area is titled 'Reservation' and contains the following settings:

- Reservation status:** A dropdown menu set to 'Complete'.
- Deactivate reservation Msg:** A text box containing 'Reservations are are not available for the moment.'
- Time slots:** A checkbox labeled 'Allow time slots overlap' which is currently unchecked.
- Auto completion:** A dropdown menu set to 'Do nothing with post code and city fields'.

Reservation

By default the booking is confirmed when the order goes to state awaiting payment. The calculation of the occupation of slot is made according to the validated deliveries.

It is possible to choose the order status to validate the reservation. Example: Payment accepted.

The screenshot shows the 'Registration' settings page. The main content area is titled 'Registration' and contains the following settings:

- Allowed:** A checkbox labeled 'Account allowed for customers inside unknown subareas' which is checked.
- Notice:** A checkbox labeled 'Inform customers of my delivery capabilities' which is unchecked.
- Forbidden registration Msg:** A text box containing 'Registration is forbidden for customer out of delivery subareas.'
- Allowed registration Msg:** A text box containing 'Registration is allowed for customer out of delivery subareas.'
- Deactivate registration Msg:** A text box containing 'Registration is deactivated for customer out of delivery subareas.'

Registration settings

Registration rules

This option configures the rules for registration if the postcode is not in a delivery area activated. If "Normal Registration" is selected, the customer's account can be created (but with the delivery carrier you selected would be refused if the postal code used for the delivery address is not available). If "inactive account" is selected the customer account is created, but the user can not log on (You can activate the account later). If "Account Deleted" is selected the customer account is deleted.

Registration page

Check this option to display a block that indicate the availability of relevant delivery postal code filled in the form to create the customer. The note shows the delivery and registration messages below.

Registration messages

These messages are displayed on the form creation account, if the delivery notice is displayed, and on the results page if the rule of the recording is not normal and the zip code is outside the box delivery.

Delivery	
Allowed delivery Msg	We can deliver you, your postal code is in our delivery subareas.
On validation delivery Msg	Your delivery is subject to validation. Your postal code is outside c
Desactivated delivery Msg	We can't deliver you. Your postal code is in a disabled delivery sul
Forbidden delivery Msg	We can't deliver you. Your postal code is outside our delivery sub.

Delivery messages

These messages are displayed on the customer account creation form if the delivery notice is displayed, and in the carrier selection of an order if postal code of delivery address is not in a delivery zone.

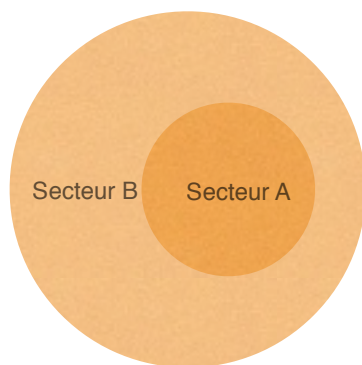
Subareas

	ID	Name	Status	City	Post Codes	Quota	Action
<input type="checkbox"/>	1	Zone 1	Enabled	TOULOUSE	31000	10	Select ▾
<input type="checkbox"/>	2	Zone 2	Enabled	TOULOUSE	31100; 31200; 31300; 31400; 3210	20	Select ▾

The delivery areas allow you to define your geographical areas of delivery from the postal code. For each sub area a quota can be set to optimize deliveries.

A customer is assigned to a sub area based on its zip code of delivery address.

The customer can select a time slot if the postcode of the delivery address is included in an activated sub area.



For example you can set two subarea:

Subarea A for early delivery, including only the zip code of downtown.

Subarea B for longer deliveries, including postal codes in the city.

If we consider that a delivery subarea B takes two times longer than a delivery in subarea A, we can define a quota to 1 for a Sector A and to 2 sub area B.

Subarea details

Name

Zone 2

Enabled

☒ Yes

City

TOULOUSE

Post Codes

31100 ×

31200 ×

31300 ×

31400 ×

3210 ×

Quota

20 ▾

Edit subarea

To configure a time slot you must set :

- A name : cannot be empty and must be smaller than 20 chars.
- Enabled : This checkbox let you enable or disable a subarea. Deliveries cannot be done on disabled subareas.
- City you can assign a city to this subarea
- Post Codes : you can fill multiples postcodes separated by a ';'. A postcode of the subarea cannot be included in the postcodes of another subarea. The postcode must have the format of the country selected in the subareas parameters.

- Quota : must be an integer of 3 digit max. Read the chapter on reservation system for further quota explanation.

Time Slots

The time slot is a period during which a customer can be delivered. You can create as many time slots that you want but the end time or start time of a time slot cannot be included between the start time and the end time of another time slot.

<input type="checkbox"/>	ID ↓	Name	Subarea	Start	End	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Quota	Action
<input type="checkbox"/>	1	BH	All	08:20	10:00	Enabled	Enabled			Enabled	Enabled	Enabled	50	Select ▼
<input type="checkbox"/>	2	10H	All	10:00	14:00	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	100	Select ▼

Time slots occupation

The time slot occupancy is defined from its quotas and quotas from sub area of reservations made. For this, it's necessary to set the maximum quota of the time slots and the quota for each sub area. The quota of a sub area must be well below the maximum quota of a time slot.

A time slot is considered available when the total quota of subarea from deliveries already reserved is less than the maximum quota of the time slot (including quota of subarea from delivery of the customer doing the reservation).

You can consider the unit quota as you want: minutes, miles or other.

Occupation example

Example : a quota set to 1 for the subarea A and set to 2 for the subarea B

Time slot	Time slot Quota	Subarea A reservations	Subarea B reservations	Sum of quotas	Occupation	Availability
Monday morning	10	2	0	2	10 %	Severals in subarea A or B
Monday mid-day	30	5	7	19	95 %	1 in subarea A
Monday evening	20	0	10	20	100 %	None
Tuesday morning	10	4	2	8	40 %	1 in subarea B or 2 in subarea A

Time slot edition

Time Slots details

Name

BH

Subarea

All

Start Time

08:20

End Time

10:00

Monday

☒ Yes

Tuesday

☒ Yes

Wednesday

☐ No

Thursday

☐ No

Friday

☒ Yes

Saturday

☒ Yes

Sunday

☒ Yes

Quota

50

To configure a time slot you must set :

- A name : cannot be empty and must be smaller than 10 chars.The name is show when a customer select a time slot.
- A start time and end time :A start time and a end time of the time slot cannot be included between the start time (excluded) and the end time (included) of another time slot.
- A quota which limits the number of deliveries : must be an integer of 4 digit max. Read the reservation system chapter for further quota explanation. Select unlimited if you don't want to use quota for this time slot.
- The days : Check the days for which time slot would be available in each week.

Fee Slices

<input type="checkbox"/>	ID	Label	Min Weight	Max Weight	Min Price	Max Price	Per Day	Per Timeslot	Per Subarea	Action
<input type="checkbox"/>	2	Test	0.00	0.00	€0.00	€0.00	No	No	Yes	Select ▾

With fee slices you can set delivery price very precisely because you can set it depending on :

- order weight
- order total
- day of week
- delivery subarea
- delivery time slot

Edit fee slice

Fee Slice details

Label

Test

Min Total

0.00

Max Total

0.00

Min Weight

0.00

Max Weight

0.00

Per Day

☐ No

Per Timeslot

☐ No

Per Subarea

☒ Yes

Fee Slice prices

Days	Time slot	Zone 1	Zone 2	Outside Subareas
Default		6 €	7 €	10 €

As it would be a so huge and ununderstandable table if we mixed all theses criteria, so you can first make fee slices with defined min and max order price and min and max weight.

The you can fill a table to set price depending on day / Time slot / subarea

Administration

Availabilities

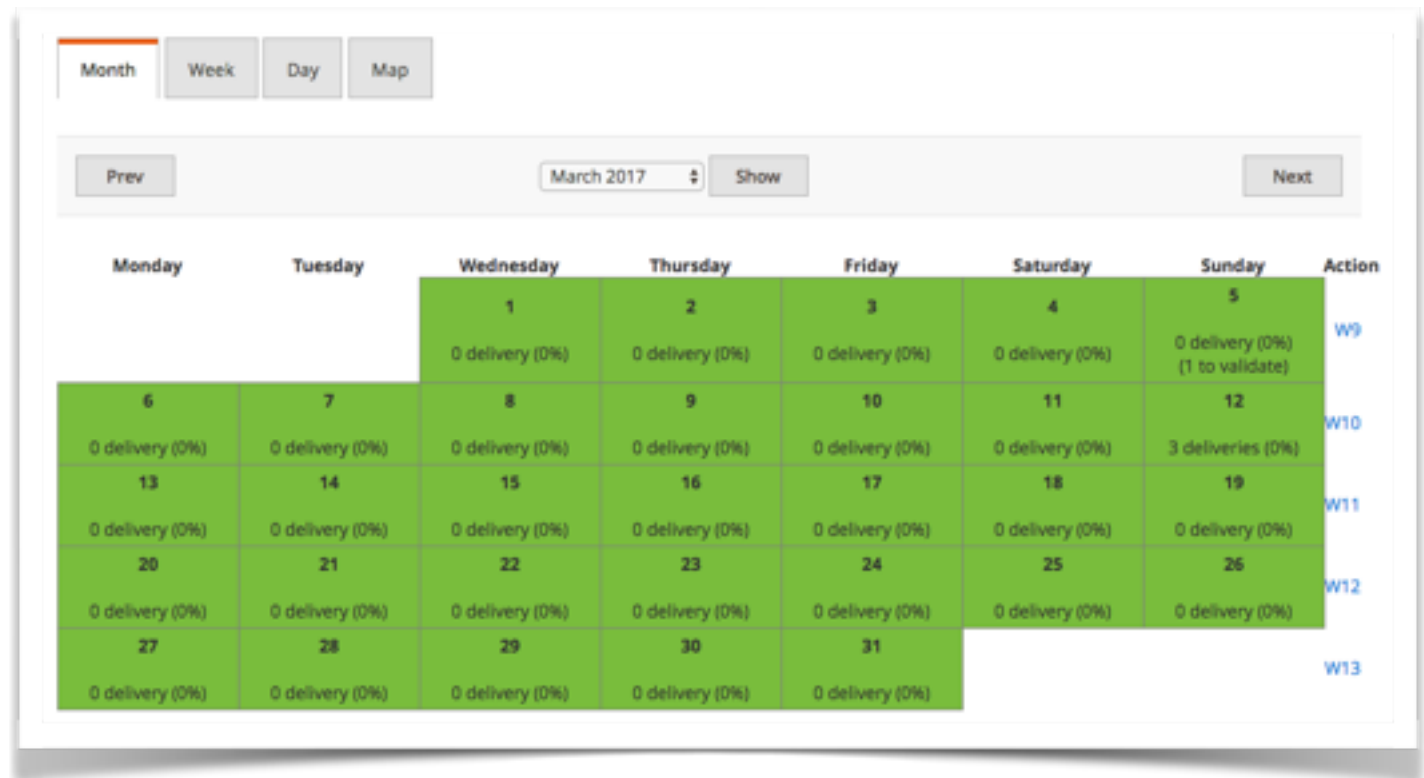
<input type="checkbox"/>	ID	Type	Start Date	Start Timeslot	End Date	End Timeslot	Action
<input type="checkbox"/>	1	Unavailability	2017-03-13	All	2017-03-15	All	Select ▾
<input type="checkbox"/>	2	Unavailability	2017-03-10	All	2017-03-11	All	Select ▾
<input type="checkbox"/>	3	Unavailability	2017-03-11	10H	2017-03-11	10H	Select ▾

The days you check when editing time slots will repeat from weeks to weeks. But you can add unavailabilities for some dates with a specific time slot or not.

You can also add availability the difference is that when an availability exists all time slots are disabled by default so you need to add an availability for each day you wan't to allow.

Deliveries

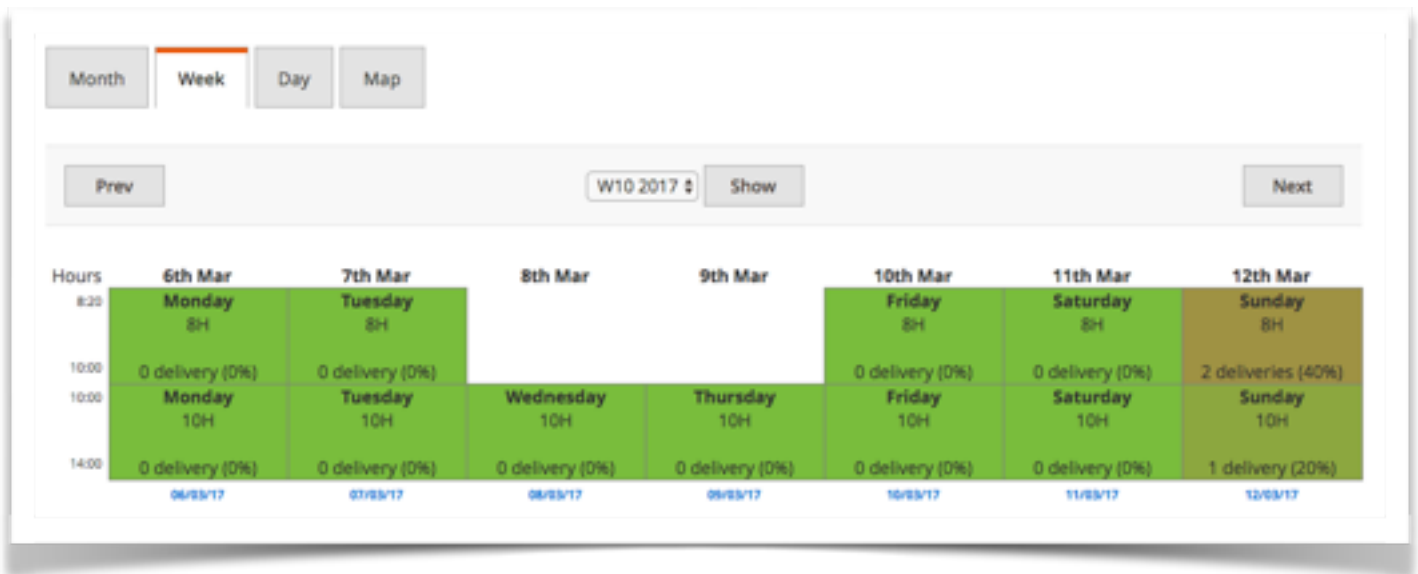
By month



This view allow you to easily see the deliveries per day for a month :

- A color representing the whole occupation of time slots (the gauge is visible if there is no time slot with unlimited quota).
- The number of deliveries validated (and the number of none validated deliveries between brackets) . An exclamation icon appears on days that require your attention.
- A calendar on the left side let you easily switch between month or select it. You can view deliveries per week via the 'Action' column.

By week

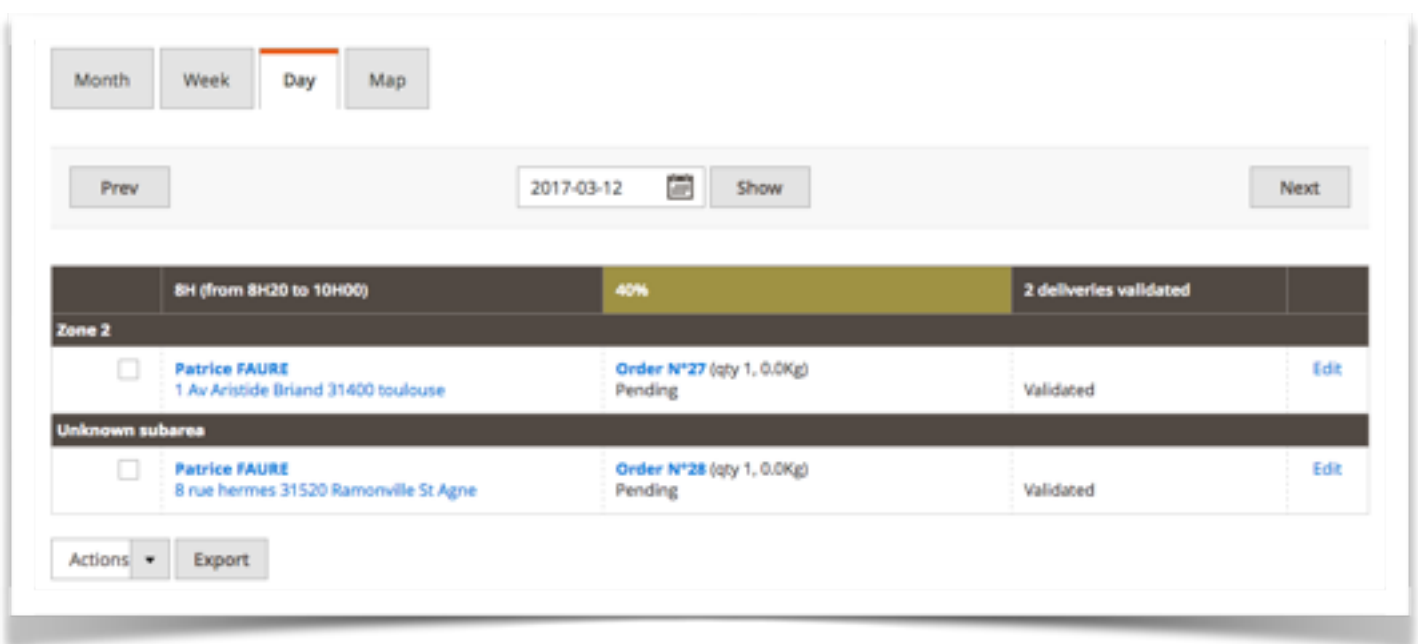


This view allow you to easily see the deliveries for each time slot on a week :

- A gauge representing the occupation of the time slot (the gauge is visible if the time slot have not an unlimited quota).
- The number of deliveries validated (and the number of none validated deliveries between brackets) . An exclamation icon appears on days that require your attention.
- A click on a time slot show the deliveries details for the day but for the selected time slot only, to show the deliveries details of the whole day click on the day date at the end of the column.

On the top you can easily switch between weeks or select a week.

By day

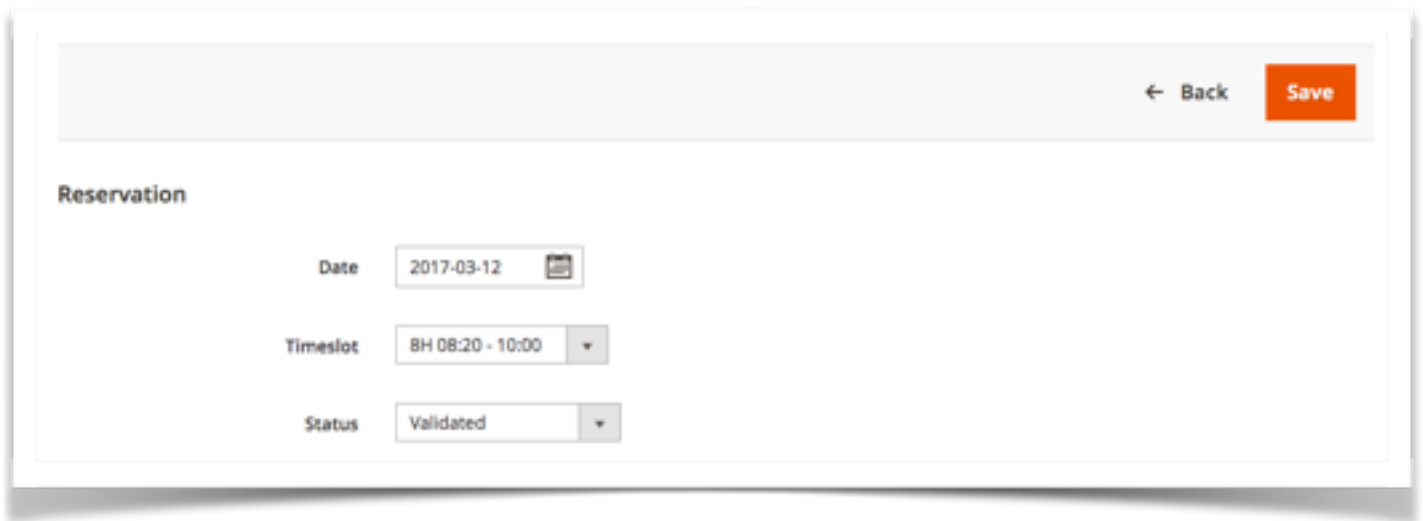


This view allow you to easily see the deliveries of a day ordered by time slot and by subarea

- At top of each timeslot block a gauge representing the occupation of the time slot as a percentage and the number of validated deliveries.
- The list of deliveries by subareas, with the color of order status (grey if the delivery is not validated).

Edit delivery

From day view you can edit a delivery



The screenshot shows a web interface for editing a delivery. At the top right, there are two buttons: a grey 'Back' button with a left arrow and an orange 'Save' button. Below these is a section titled 'Reservation'. This section contains three form fields: 'Date' with the value '2017-03-12' and a calendar icon, 'Timeslot' with the value '8H 08:20 - 10:00' and a dropdown arrow, and 'Status' with the value 'Validated' and a dropdown arrow.

When changing date the list of time slots is refreshing.


Roundtrip

This view is useful to program deliveries roundtrip.

Once you fill a warehouse address that will be used as roundtrip start, you can view the best itinerary that will deliver all customer of a timeslot in the shortest delay.

MonthWeekDay**Map**


Fastest roundt ▾

2017-03-12  8H ▾

Show

Prev

Next

☐ Walking ☐ Avoid highways  Street

102 rue Alfred Dumeril

Post Code 31400

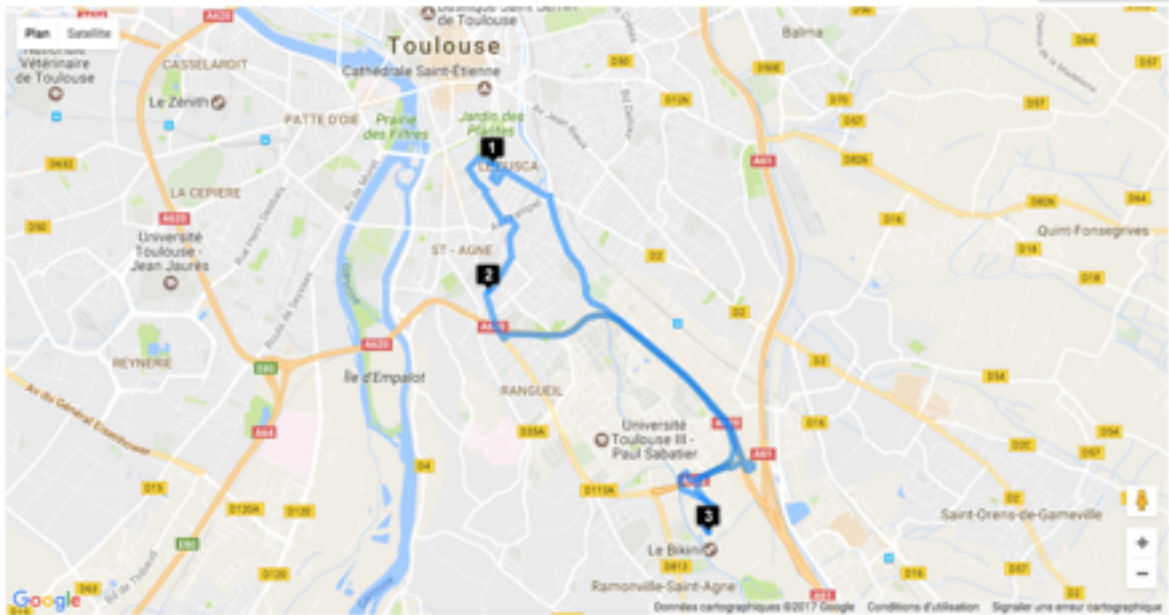
City Toulouse

France ▾


✓

Duration : 27 min 23 sec, Length : 16 km

Google Maps




Route


 Warehouse

Prendre la direction nord-ouest sur Rue Alfred Dumeril vers Rue Joly


0,2 km

 Prendre à gauche sur Rue Joly


0,2 km

 Prendre à gauche sur Rue des Trente Six Ponts

0,3 km

 Prendre à droite sur Avenue Victor Segoffin


43 m

 Prendre à gauche sur Allée Edouard Branly


0,4 km

Continuer sur Place Henri Russel

82 m

 Prendre à gauche sur Avenue Crampel

0,1 km

 Arriver à destination sur Rue des Trente Six Ponts

0,1 km