



KUARIO

MPlus with KUARIO Webhooks
Configuration Manual - EN
R 5



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Versie 1.0.5 geproduceerd op: March 2023 in Nieuw-Vennep.

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Productie

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Preparations

Preparations

Requirements:

- Be a registered partner with MplusKASSA that is able to use Webhooks.
- Have workspaces, and a functioning MplusKASSA POS system to be able to test a KUARIO Payment
- Have a KUARIO Manager account that is able to create Outlets under your KUARIO Site.

MplusKASSA preparations

To work with the MplusKASSA it needs to be installed on your system. That is what we will be doing here.

1. Read and follow the partner Gettings Started page on the MplusKASSA site:
<https://developers.mpluskassa.nl/partners/> to download the application and log in.

Please note that the 'SSL' may be named 'Versleuteling' (like in the example below):

MplusKASSA 40.1.0

Administraties

Connectie maken | Installeer server | Administratie maken

Server:

Poort:

Versleuteling: Verbinding versleutelen mits de server dit ondersteund.

Gebruiker:

Wachtwoord

PostgreSQL v10.19 ✓

Database:

Omschrijving:

Inloggegevens voor uploaden afbeeldingen

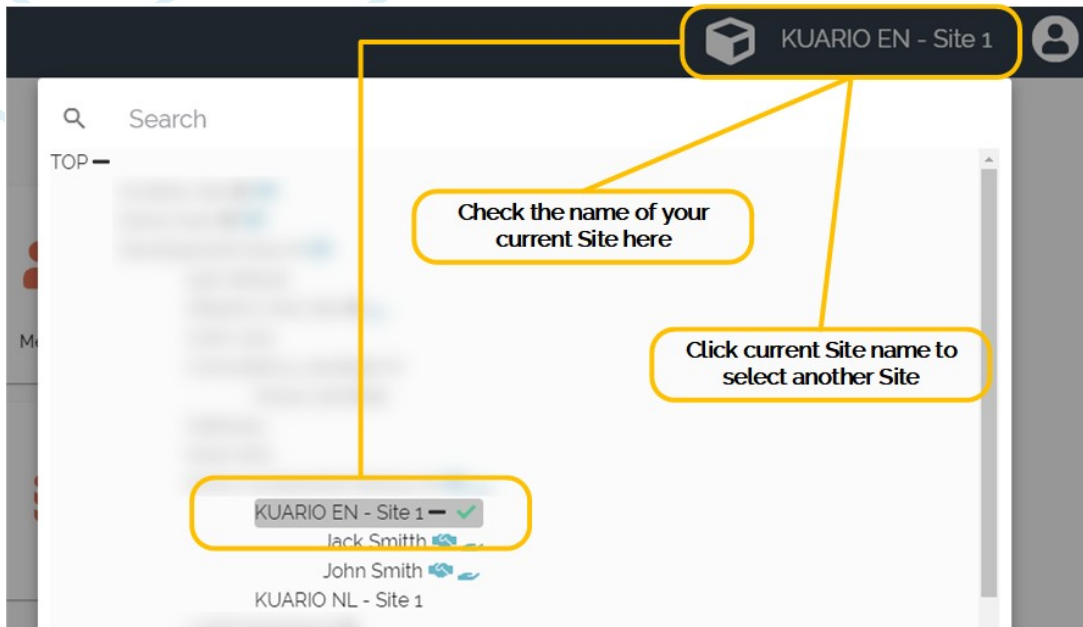
Cloud ID:

Wachtwoord: ?

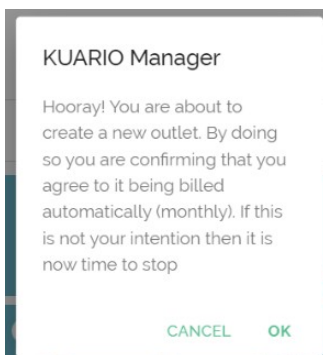
KUARIO Preparations

To be able to use the KUARIO platform to pay at your MplusKASSA stations, you will need one or more KUARIO Outlets (Either one per station, or one for all KUARIO payments).

1. Go to the KUARIO Manager (<https://manager.kuario.com/>)
2. Log in using your KUARIO credentials
3. Select the Site to which you need to add a MplusKASSA Outlet.



4. Click OK on the message warning you that you will now be using this KUARIO site and thus will be billed.



- Enter a name to identify this KUARIO Outlet. If you intent to use one Outlet for all your MplusKASSA stations, it should be called something like MplusKASSA stations. Conversely if you intent to have one Outlet per MplusKASSA station you will give it a name by which you can identify that station. In our example we will do that and name it 'Mplus 3306'.
- The Outlet Type should be 'Device Gateway', so select the KUARIO Outlet type 'Device Gateway':

OUTLETS REPORTS MORE ▾

Info > Terminals > Extra

Outlet name
Mplus 3306

Is this outlet active?

CASH REGISTER	MFP	VENDING MACHINE	PAY POINT
LINK TERMINAL	TIMER	COINVALIDATOR	GATEWAY
SLIM PDQ	ACCESS	ENERGY	LOCKERS
DEVICE GATEWAY			MULTI CONNECTIVITY

- Click 'Next'.

Is this outlet for members only?

Direct Pay

CANCEL NEXT →

- As it has no need for a terminal, skip this step by clicking 'Next'.

OUTLETS REPORTS MORE ▾

Info > Terminals > Extra

Mplus 3306

Order terminal

Disabled

payment-terminal

Disabled

CANCEL ← BACK NEXT →

9. There are no special template needed so leave the default templates as they are. Click 'Save'.

The screenshot shows a configuration form for an outlet named 'Mplus 3306'. At the top, there is a navigation bar with 'OUTLETS', 'REPORTS', and 'MORE' with a dropdown arrow. Below this, a breadcrumb trail reads 'Info > Terminals > Extra'. The form contains two dropdown menus: 'Select the template for this outlet' with 'MFP Template' selected, and 'Select the priceline for this outlet' with 'Default Prijsen' selected. Each dropdown has a 'CREATE NEW +' button to its right. Below these is a text area for 'Outlet notes (Optional)'. At the bottom right, there are three buttons: 'CANCEL', 'BACK', and 'SAVE'.

10. Find the Outlet in the list of Outlets.

11. Click on the 'Tool' icon.

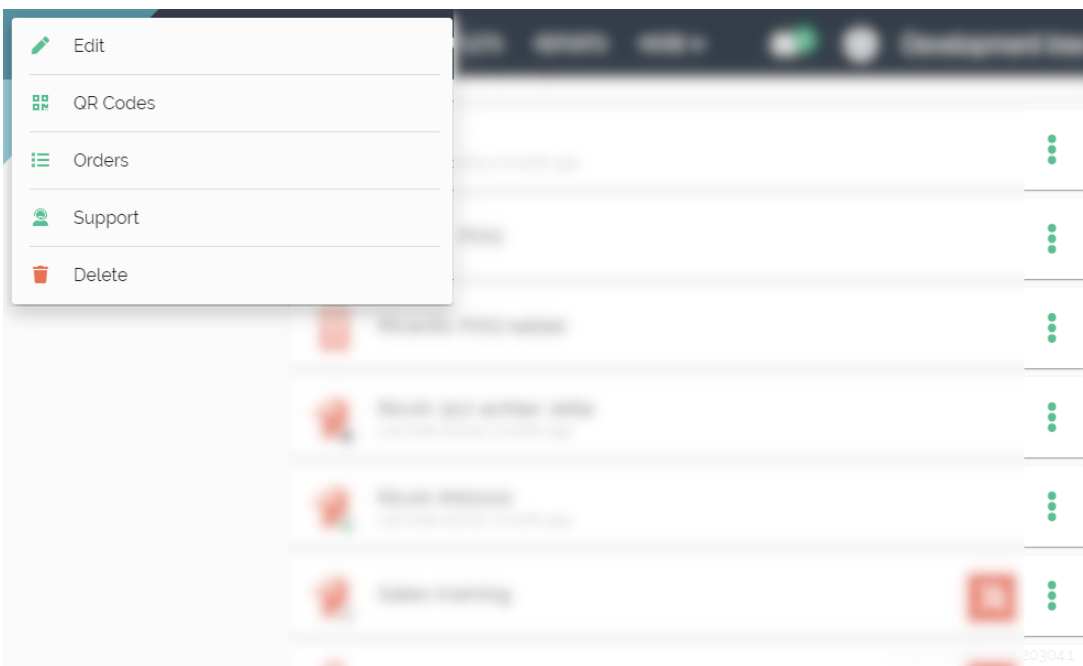
The screenshot shows a list of outlets. At the top is a search bar with a magnifying glass icon and the text 'Search'. Below the search bar is a list of eight outlet entries. Each entry consists of a red icon (a cloud with a terminal symbol), a text label, and a set of three vertical dots (a 'more' menu). The fourth entry from the top is 'Mplus 3306'. To the right of this entry, there is a red square icon containing a white wrench and screwdriver, representing a 'Tool' icon. The other entries have either a green checkmark or a red 'X' icon next to their respective icons.

12. In the menu you should find the Outlet ID, in the screen shot below '3306'. Write this ID down, we will need it later.
13. You should also be able to find the Mplus Secret here. that should be copied too.

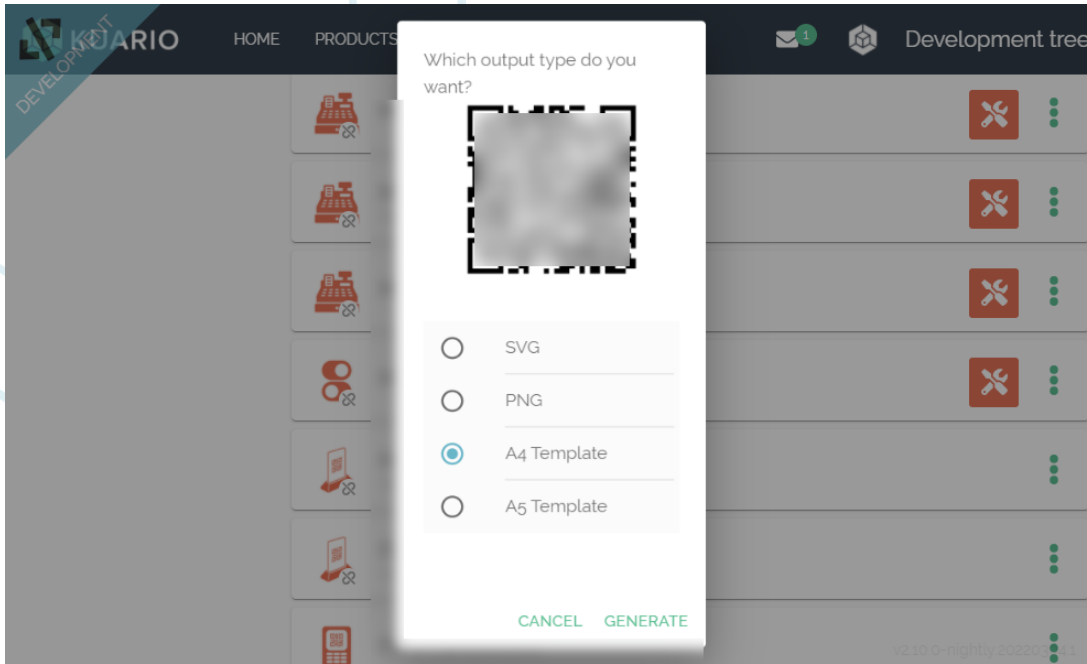
Warning: At the time of writing the Mplus Secret is not shown yet in this menu. If the Mplus Secret is not shown in this menu, please contact KUARIO support and ask for this number, they should be able to help you further.



14. Click on the Context menu of the created KUARIO Outlet (the vertical three green dots).



15. Click 'QR Codes'.



16. Select the A4 Template and click 'Generate'. This will produce a PDF file with a A4 sized QR code image. This image can be used by you to test the KUARIO Payment and will be used by the end-users to pay to the correct KUARIO Outlet.

Keep this QR at hand (one for each Outlet), you will need it to test the working of the KUARIO payment later on.



KUARIO



Mplus

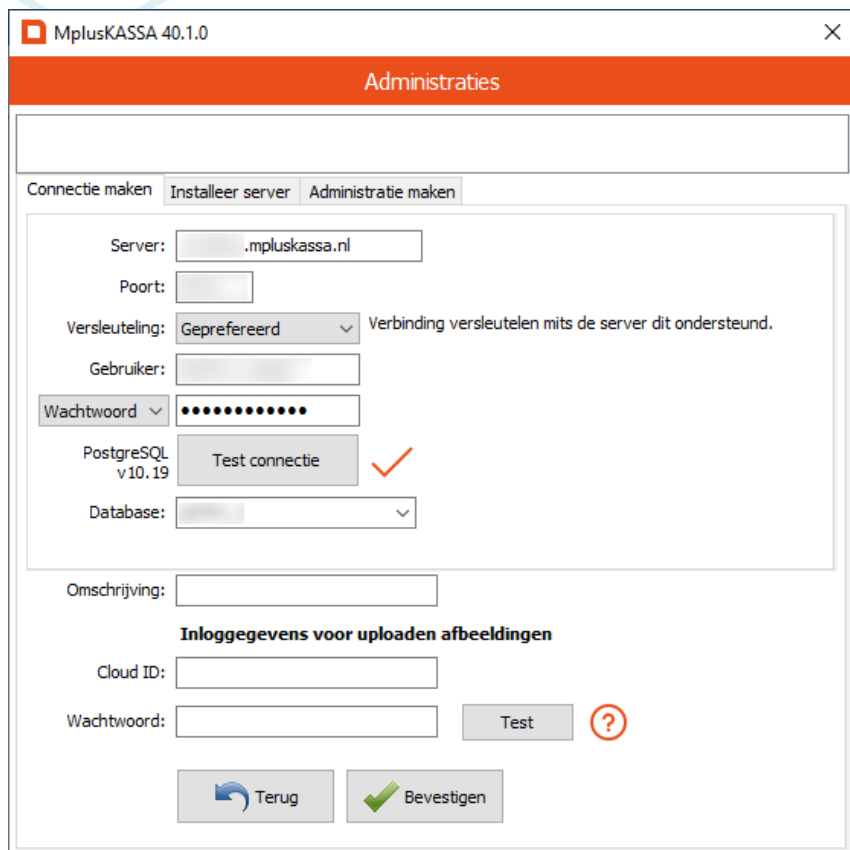
17. You can close the KUARIO Manager now.

Installation

Installation

To install the MplusKASSA software follow these instructions.

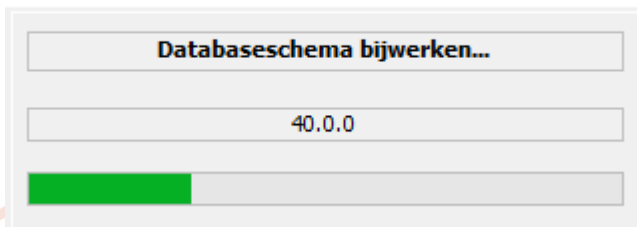
1. Start the application.
2. Fill in the fields as instructed on your partner page.



The screenshot shows the 'Administraties' window of MplusKASSA 40.1.0. The window has three tabs: 'Connectie maken', 'Installeer server', and 'Administratie maken'. The 'Connectie maken' tab is active. It contains the following fields and controls:

- Server:
- Poort:
- Versleuteling: Verbinding versleutelen mits de server dit ondersteund.
- Gebruiker:
- Wachtwoord:
- PostgreSQL v10.19:
- Database:
- Omschrijving:
- Inloggegevens voor uploaden afbeeldingen**
- Cloud ID:
- Wachtwoord:
-

3. Click 'Bevestigen' (Confirm) to continue.
4. The Database scheme might be updated.



The screenshot shows a dialog box titled 'Databaseschema bijwerken...'. It contains the following elements:

- A text field with the value '40.0.0'.
- A progress bar that is partially filled with green.

5. For this demo I will use the Super User without a password. In a live situation always create users with the correct amount of rights and a password.

Toegangsverificatie

(q8494_1_admin@devdb01.mpluskassa.nl/q8494_1)

Geef de loginnaam en het wachtwoord op van een Qline gebruiker met "database schema bijwerken" rechten.

Nog geen gebruiker gekozen

Loginnaam: Superuser (999999)

Wachtwoord:

OK Annuleer

6. Choose a 'filiaal' (subsidiary or branch):

Kies filiaal en werkplek

Filiaal: 1. Hoofdkantoor
2. Filiaal 2
3. Filiaal 3

Werkplek: 1. -
2. -
3. -
4. -
5. -
6. -

Annuleren Bevestigen

7. Select a workspace:

Kies filiaal en werkplek

Filiaal: 2. Filiaal 2

Werkplek: 1. -
2. -
3. -
4. -
5. -
6. -

Annuleren Bevestigen

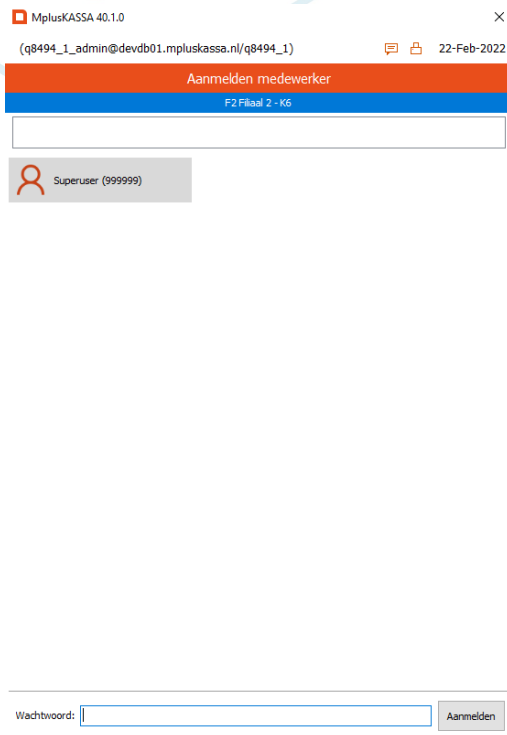
NoF 7. - 22-Feb-22 09:55:51

8. You are now set to create the KUARIO payment option in your MplusKASSA station.

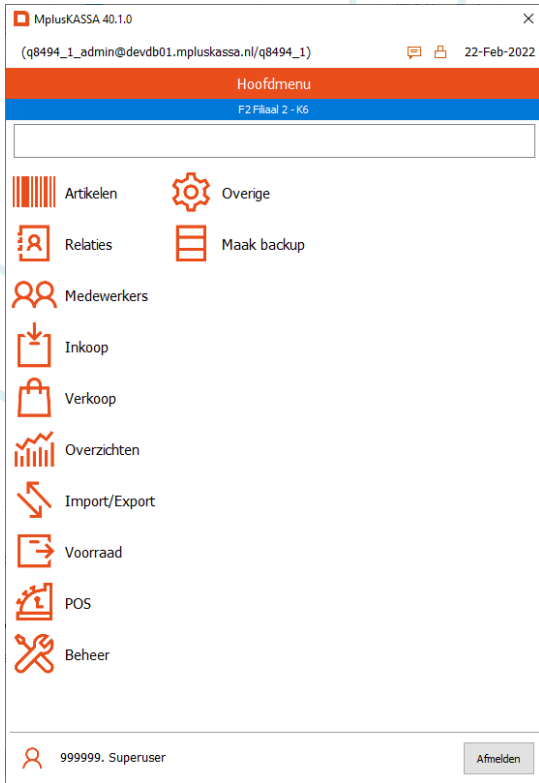
Configuration

Configuration

1. Start the MplusKASSA application.
2. Log in with Manager Credentials.



3. Go to 'Beheer' (Management).



4. Go to 'Instellingen' -> 'Webhooks'.



5. Did you want one KUARIO Outlet for all payments? Go to '[I need all payment from all POS systems to one KUARIO Outlet](#)'^[16]. Or did you want one KUARIO Outlet per MplusKASSA station, then go to '[I need every POS system to be linked to a separate KUARIO Outlet](#)'^[17].

I need all payments from all POS systems to be registered by one KUARIO Outlet:

You'll need one Webhook defined.

6. Select all POS systems at the right side of this window by checking the 'Alle' (all) box. This should already be so as it is the default option. All your stations should have a check mark.
7. At subscription ID enter the prefix 'OUTLET_' followed by the name of the KUARIO Outlet (you should have written that down at the KUARIO Preparations step). So if the KUARIO Outlet ID is '3282' The subscription ID should be 'OUTLET_3282'.
8. The secret token is the 'Mplus secret' that you should have written down at the KUARIO Preparations step, or have received from KUARIO Support after you asked for it. Enter it into the field.
9. The endpoint URL should be: <https://api.kuario.com/webhooks/mplus>
10. Scroll trough the list until you find these settings and edit them so they match the values listed below:
 - a. startExternalPayment | Should have a check mark at 'enabled' and 'Blocking (receive data)' but no check marks at 'Polling' and 'Cancel requires auth'.
 - b. pollExternalPayment | Should have a check mark at 'enabled', 'Blocking (receive data)' and 'Polling' but no check marks at 'Cancel requires auth'.
 - c. requestCancelExternalPayment | Should have a check mark at 'enabled' and 'Blocking (receive data)' but no check marks at 'Polling' and 'Cancel requires auth'.
 - d. cancelExternalPayment | Should have a check mark at 'enabled' but no check marks at 'Blocking (receive data)', 'Polling' and 'Cancel requires auth'.

Application Name: KuarioStart
Subscription ID: OUTLET_3282
Secret token: NEQzqg3RDAHMFDMCJFOTExLUJORDA8HgxODc-#t2E
Endpoint URL: https://api-dev.kuario.com/webhooks/mplus

Enabled (send data)	Event	Blocking (receive data)	Polling	Cancel requires auth
<input checked="" type="checkbox"/>	startExternalPayment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	pollExternalPayment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	requestCancelExternalPayment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	cancelExternalPayment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	startSession	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	scanCode	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	addSessionLine	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

11. Go to the [Finish](#) step.

I need every POS system to be linked to a separate KUARIO Outlet.

You need to create a Webhook for each POS system (each till). Make sure you have a list with the KUARIO Outlet ID's and the matching MplusKASSA station.

For each station:

12. Select the POS system at the right side of this window by checking it's box. Only that one should have a check mark.
13. At subscription ID enter the prefix 'OUTLET_' followed by the name of the KUARIO Outlet (you should have written that down at the KUARIO Preparations step). So if the KUARIO Outlet ID is '3282' The subscription ID should be 'OUTLET_3282'.

Note: The secret token is the same for each KUARIO Outlet.

14. The secret token is the 'Mplus secret' that you should have written down at the KUARIO Preparations step, or have received from KUARIO Support after you asked for it. Enter it into the field.

15. The endpoint URL should be: <https://api.kuario.com/webhooks/mplus>

The screenshot shows the 'Webhooks wijzigen' (Edit Webhooks) interface. At the top, there are navigation tabs: 'Beheer', 'Artikelen', 'Relaties', 'Medewerkers', 'Kassa', 'Verkoop', 'Financieel', 'Instellingen' (highlighted), and 'Import'. Below the tabs are buttons for 'Annuleren' and 'Wijzigingen bevestigen'. The main content area is divided into two sections, one for 'Application Name: KUARIO POS Payment 4393' and another for 'Application Name: KUARIO POS Payment 3282'. Both sections show the same 'Secret token' and 'Endpoint URL'. The bottom section has a table of events with checkboxes for 'Enabled (send data)', 'Blocking (receive data)', 'Polling', and 'Cancel requires auth'. The 'startExternalPayment' event is highlighted in blue in the top section and in yellow in the bottom section. The bottom section also has a yellow warning message: 'Dit event heeft geen verdere instellingen.'

16. Scroll trough the list until you find these settings and edit them so they match the values listed below:
 - a. startExternalPayment | Should have a check mark at 'enabled' and 'Blocking (receive data)' but no check marks at 'Polling' and 'Cancel requires auth'.
 - b. pollExternalPayment | Should have a check mark at 'enabled', 'Blocking (receive data)' and 'Polling' but no check marks at 'Cancel requires auth'.
 - c. requestCancelExternalPayment | Should have a check mark at 'enabled' and 'Blocking (receive data)' but no check marks at 'Polling' and 'Cancel requires auth'.
 - d. cancelExternalPayment | Should have a check mark at 'enabled' but no check marks at 'Blocking (receive data)', 'Polling' and 'Cancel requires auth'.
17. Save your changes by clicking 'Wijzigingen Bevestigen' (Confirm Changes).
18. Repeat this process for each Station / Outlet (see image below), When you have processed all stations go to the next step.

The screenshot shows the 'Instellingen' (Settings) page for 'KUARIO POS Payment'. It displays two application configurations for different outlets/stations. The top configuration is for 'Outlet / Station 4393' and the bottom one is for 'Outlet / Station 3282'. Both configurations show a table of events with columns for 'Enabled (send data)', 'Blocking (receive data)', 'Polling', and 'Cancel requires auth'. The events listed are: cancelSession, completeSession, startExternalPayment, pollExternalPayment, requestCancelExternalPayment, cancelExternalPayment, and creditSession. The 'startExternalPayment', 'pollExternalPayment', 'requestCancelExternalPayment', and 'cancelExternalPayment' rows are highlighted with a yellow box. The 'cancelExternalPayment' row in the 4393 configuration has a blue background. The page includes navigation tabs like 'Beheer', 'Artikelen', 'Relaties', 'Medewerkers', 'Kassa', 'Verkoop', 'Financieel', and 'Instellingen'. There are also buttons for 'Annuleren' and 'Wijzigingen bevestigen'.

19. Go to the [Finish](#) step.

Finish

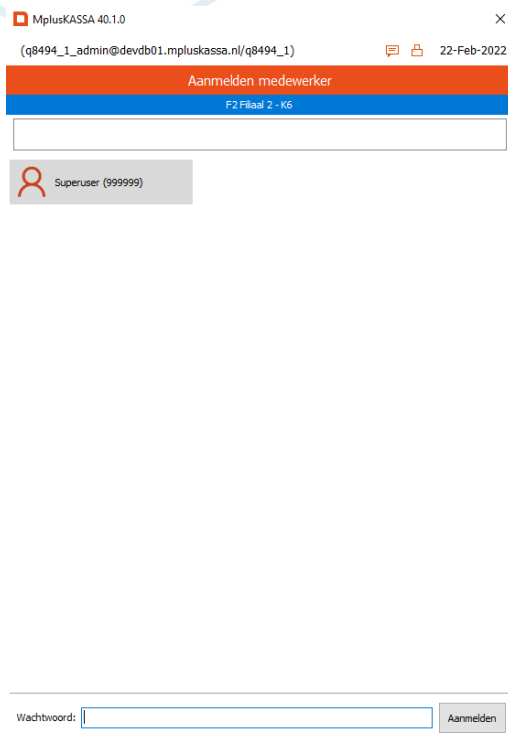
The MplusKASSA should now be able to use KUARIO as a payment method. Let's test that.

Testing

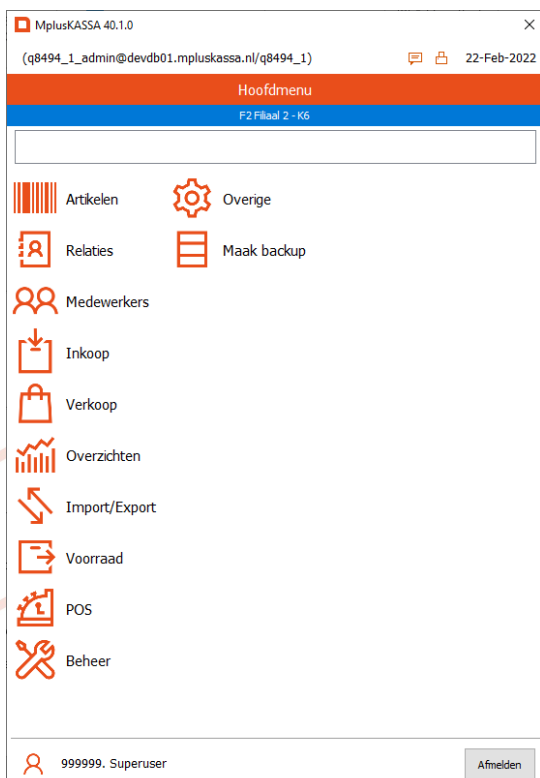
Testing

Test if you are able to pay with KUARIO.

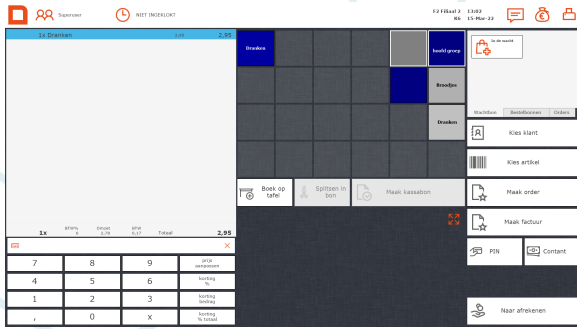
1. Start the MplusKASSA application.
2. Log in with Manager Credentials.



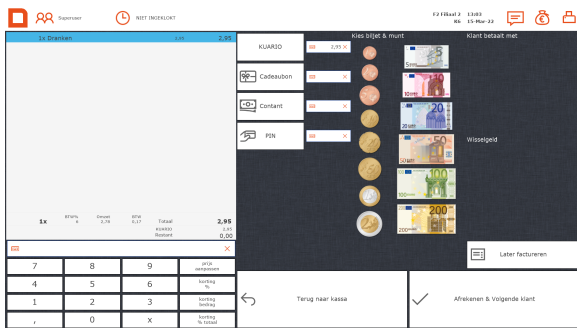
3. Go to 'POS'.



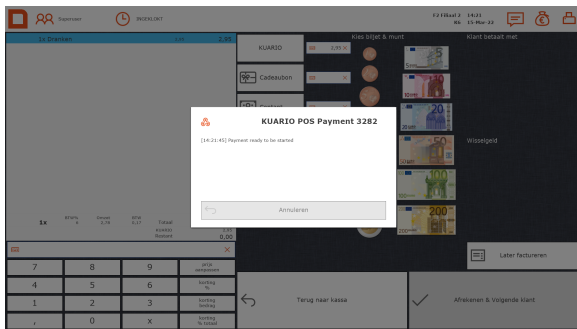
- Buy an article.
- Click 'Naar afrekenen'.



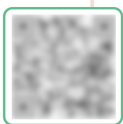
- Click 'Naar afrekenen'.
- Click 'KUARIO', the amount is now moved to the KUARIO payment.
- Click 'Afrekenen & Volgende klant'.



- Wait for the 'payment ready to be started' message.



- Scan the QR Code with the KUARIO App.



Mplus

- Check for error messages. If no error messages are shown, the payment was successful and you are ready for the next customer.

