



# in.hub Forms 1.0.0

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## User Manual

Compatible with SIINEOS version 2.10.0 and above  
Document version 1.0 | Publication date:  
10. April 2026

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## Legal information

### Safety information

This documentation contains information that you must observe for your personal safety and to prevent material damage. Read the safety information carefully and always keep this documentation within easy reach.

The safety information is presented in descending order of hazard level as follows:

**DANGER**

Indicates an immediate hazard to humans. Failure to comply will lead to irreversible injuries or death.

**WARNING**

Indicates an identifiable hazard to humans. Failure to comply may lead to irreversible injuries or death.

**CAUTION**

Indicates an identifiable hazard to humans or potential material damage. Failure to comply may lead to reversible injuries or material damage.

**ATTENTION**

This gives you information that may lead to material damage if not complied with.

**NOTE**

A note gives you useful information on specific actions and issues.

**TIP**

A tip gives you tips, tricks or recommendations from in.hub that have proven to be helpful in handling the products.

### Qualified personnel

The product associated with this documentation may only be handled by personnel qualified for the respective task. The device may only be installed, commissioned and operated in compliance with the associated documentation and the safety information contained therein.

Based on their training and experience, qualified personnel are able to recognize risks and avoid potential hazards when handling these products.

Knowledge of PCs, operating systems and web applications is a prerequisite. General knowledge in the field of automation technology is recommended.

## **Intended use**

in.hub products may only be used for the applications specified in the corresponding technical documentation.

If third-party products and components are used, they must be recommended or approved by in.hub.

Proper storage, set-up, assembly, installation, commissioning, operation and maintenance are essential for the correct and safe operation of the products.

The permissible ambient conditions must be complied with. Instructions in the associated documentation must be followed.

## **Brands**

All designations marked with the “®” symbol are registered trademarks. The other designations in this document may be trademarks whose use by third parties for their own purposes may infringe the rights of the owner.

## **Disclaimer**

in.hub accepts no liability for product malfunctions resulting from improper handling, mechanical damage, incorrect application and improper use.

The contents of this document have been checked for conformity with the product described. However, deviations cannot be ruled out, so that we cannot guarantee complete conformity. The information in this publication is regularly reviewed. Necessary corrections are included in subsequent editions.

## 1. General information

This document contains all the information you need to commission and use the device/software.

The document is intended for service technicians, system administrators and installers who connect the product with other units, configure it and commission it.

### 1.1. Scope of delivery

1 x in.hub Forms licence for uploading the app to SIINEOS

1 x User Manual as a PDF

### 1.2. Other applicable documents

In addition to this document, please observe the following documents. You can find these in the in.hub download portal at <https://download.inhub.de>:

- User Manual for the IoT (Internet of Things) operating system SIINEOS

### 1.3. Network security

Please bear in mind that the product does not communicate in encrypted form within the internal network. Therefore, protect your network from unauthorized access from outside! Any integration into a network with Internet access must be undertaken with great caution. It is imperative to speak with your system administrator in advance.

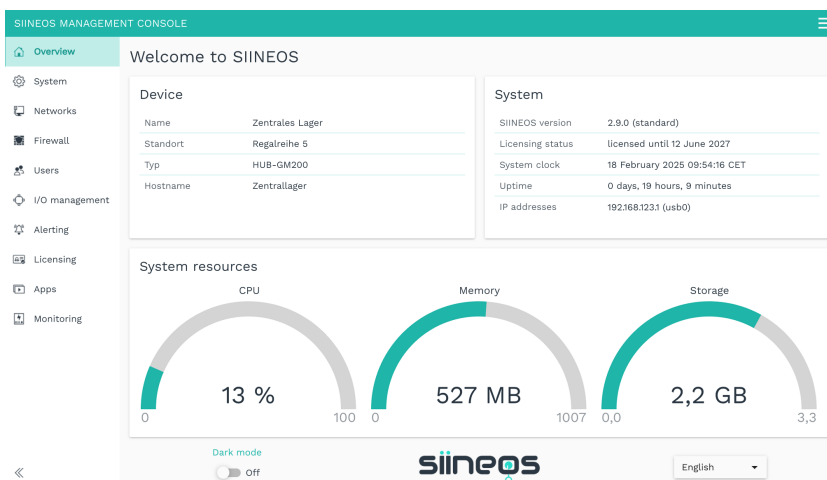
## 2. Setting up a working environment for in.hub Forms

Before you can use in.hub Forms, you must have completed the following steps:

- ✓ You have assembled and installed all the necessary devices, such as gateways, sensors, etc. For this, see the operating instructions of the respective device.
- ✓ You have installed at least the SIINEOS version valid for this in.hub Forms version. [Checking the SIINEOS version \[6\]](#) and [Installing SIINEOS updates \[7\]](#)
- ✓ You have uploaded the licence to SIINEOS. [Adding a licence file to SIINEOS \[10\]](#)
- ✓ The system administrator has received the software bundle for in.hub Forms from in.hub and installed it in SIINEOS. [Installing app updates \[10\]](#)
- ✓ The system administrator has also activated the app: **SIINEOS > Apps > in.hub Forms > Enable app.**

### 2.1. Checking the SIINEOS version

1. Go to the SIINEOS start page by selecting the **Overview** page on the left.



“Overview” start page (example)

2. Check the **SIINEOS version** field to see which version is installed on your gateway.
3. Go to the download portal at <https://download.inhub.de/siineos/> and check whether a new version of SIINEOS is available.

## 2.2. Installing SIINEOS updates

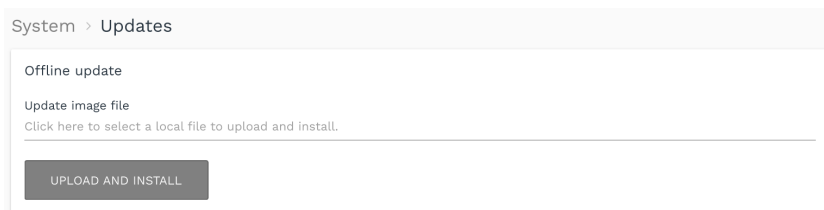


### NOTE

You can only upload updates on the **System** page if you have a valid SIINEOS licence.

If the licence has expired, you will be informed that you cannot import any updates.

- Go to the download portal at <https://download.inhub.de/siineos/> and select the required SIINEOS package.  
Two variants are available:
  - The complete software package for the gateways and modules, such as the HUB-GM200, the HUB-GM400 or the HUB-EN200
  - SIINEOS Light without Docker containers with a smaller file size for the HUB-IO100
- When the download is complete, go to the **System** page in SIINEOS and select **Updates**.



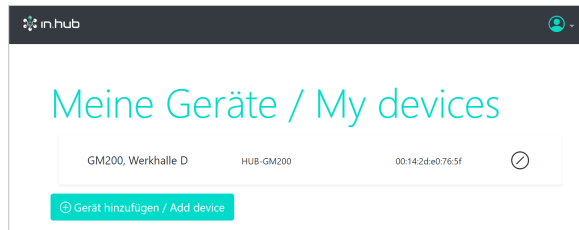
System > Updates

- Click in the **Update image file** input field and select the software package provided by in.hub in \*.raucb format from your local file-storage location.
- Click on **Upload and install**.  
The installation will proceed automatically and takes about 1 minute. After a successful installation, you will be asked whether you want to restart the gateway.
- Click on **Yes**.
- After restarting, check that the new version of SIINEOS is displayed on the **Overview** page.
- If the version has not been updated, proceed as follows:
  - First delete your browser cache and refresh the page in your browser.
  - if that doesn't work: Switch off the power to the gateway and switch it on again after a few seconds.
  - Start SIINEOS and check the version number.

## 2.3. Requesting a voucher and activating a software licence

- Please contact [service@inhub.de](mailto:service@inhub.de) and let us know which licence you require. in.hub Forms licences can be purchased for 1 year.  
You can activate the software licence with the voucher you receive from us.

- Navigate to the website <https://apps.inhub.de/> and register or log on if you are already registered.



My devices (example)

- If you want to extend a software licence, click on the device on which the software licence is to be renewed under **My devices**;  
– or –  
if you want to activate the software licence for a new device, click on **Add device**.

Add device

- Enter the **Name** of the device, select the **Device Type** and enter the MAC address of the device.  
The MAC address can be found via **SIINEOS > Networks > Ethernet 1**.  
**NOTE:** Only the MAC address of Ethernet 1 is recognized and accepted.
- Click on **Add**.  
The **License activation** page opens:

**Lizenfreischaltung / License activation**

Bitte geben Sie einen Lizenzvoucher ein, um ihn einzulösen und die erworbene Softwarelizenz für dieses Gerät zu aktivieren. Wenn Sie keinen Voucher haben, wenden Sie sich bitte an den Händler, bei dem Sie das Gerät erworben haben.

Please enter a license voucher to redeem it and activate the purchased software license for this device. If you do not have a voucher, please contact the dealer from whom you purchased the device.

Gerät / Device  
GM200, Werkhalle D

Voucher  
|

Abbrechen / Cancel Weiter / Continue

License activation

6. Copy the name of the voucher you received from in.hub into the **Voucher** field.
7. Click on **Next**.  
The information stored in the voucher, such as the term, product and validity, etc., will be displayed.

**Lizenfreischaltung / License activation**

Voucherinformationen / Voucher information

Geräte name / Device type	GM200, Werkhalle D
Produkt / Product	SIINEOS
Lizenztyp / License type	3 Jahre
Gültig bis / Valid until	16.04.2027

Abbrechen / Cancel Zurück / Back Lizenz generieren / Generate license

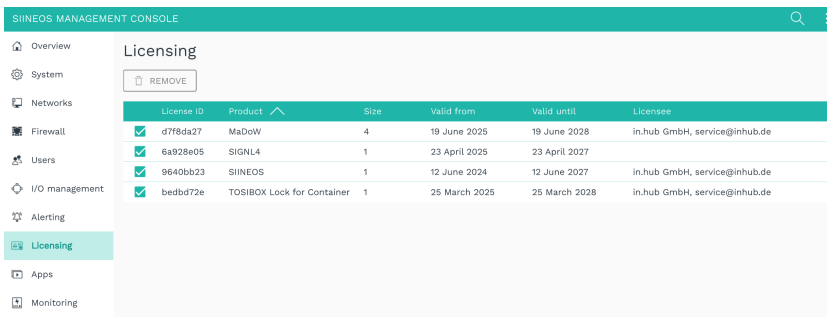
Voucher information (example: Activation of a SIINEOS licence valid for 3 years)

8. Check the details, especially whether the requested licence term matches the term specified here.
9. If the details are correct, click on **Generate license**.  
The licence file is downloaded automatically.

## 2.4. Adding a licence file to SIINEOS

1. In SIINEOS, navigate to **Licensing**.

In the list, you will find all software licences that you have purchased and uploaded. The check mark in the first column indicates that the licence is valid.



License ID	Product	Size	Valid from	Valid until	Licensee
<input checked="" type="checkbox"/> d7f8da27	MaDoW	4	19 June 2025	19 June 2026	in.hub GmbH, service@inhub.de
<input checked="" type="checkbox"/> 6a928e05	SIGNL4	1	23 April 2025	23 April 2027	in.hub GmbH, service@inhub.de
<input checked="" type="checkbox"/> 9640bb23	SIINEOS	1	12 June 2024	12 June 2027	in.hub GmbH, service@inhub.de
<input checked="" type="checkbox"/> bedbd72e	TOSIBOX Lock for Container	1	25 March 2025	25 March 2028	in.hub GmbH, service@inhub.de

“Licensing” page (example)

2. Click on **Add license**.
3. Select the licence file from your file directory and click on **OK**.  
The licence is added to the list. From that point on, you can implement updates again or return to using a blocked app.
4. To remove a licence again – because it has become invalid, for example – select the licence ID and click on **Remove**.  
This will not delete the licence file itself, but only remove it from the list.

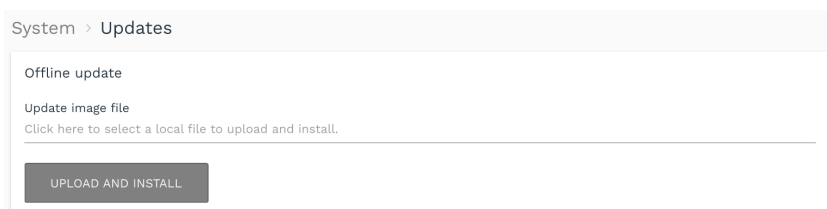


### NOTE

Make sure that the system time of your device is correctly set and/or synchronized. Otherwise, the licence-file upload may fail.

## 2.5. Installing app updates

1. On the **System** page, click on **Updates**.



System > Updates

2. Click in the **Update image file** input field and select the software package provided by in.hub in \*.raucb format from your local file-storage location.
3. Click on **Upload and install**.  
Installation will proceed automatically.  
After a successful installation, you will be asked whether you want to restart the gateway.

4. Click on **No**.

You do not need to restart the gateway when uploading apps.

### 3. Working with in.hub Forms

in.hub Forms is a user application (an app) in SIINEOS that allows you to create forms, input views and form fields, enabling you to enter any type of data and configure fields flexibly.

Before you start, make sure that the system administrator has activated the **in.hub Forms** app in SIINEOS: **SIINEOS > Apps > in.hub Forms > Enable app.**

#### 3.1. Open in.hub Forms and make entries

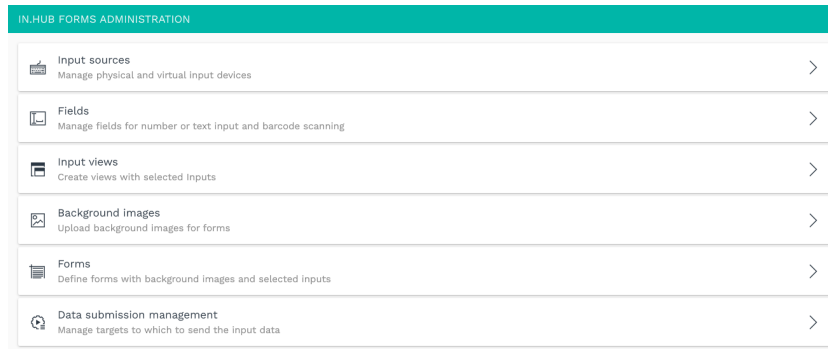
1. Navigate to **SIINEOS > Apps > in.hub Forms.**
2. Open in.hub Forms by clicking on **Open app.**  
You can only start collecting data directly if input sources, fields and data submission targets have already been configured in the NumCorder administration.
3. If several forms or input views have already been created, you should first select the required entry on the left.

Example of input fields created in administration

4. Fill in all the fields using the configured input sources (e.g. the keyboard or a barcode scanner).  
If an input meets the specifications (character length, allowed characters, etc.), a green checkmark will appear.  
The **Submit** button is only activated when all fields are filled in and you can send the entries to the specified data submission target.

## 4. Administering in.hub Forms

1. Navigate to **SIINEOS > Apps > in.hub Forms**.
2. Open in.hub Forms administration by clicking on **Manage app**.
3. Select what you want to configure.

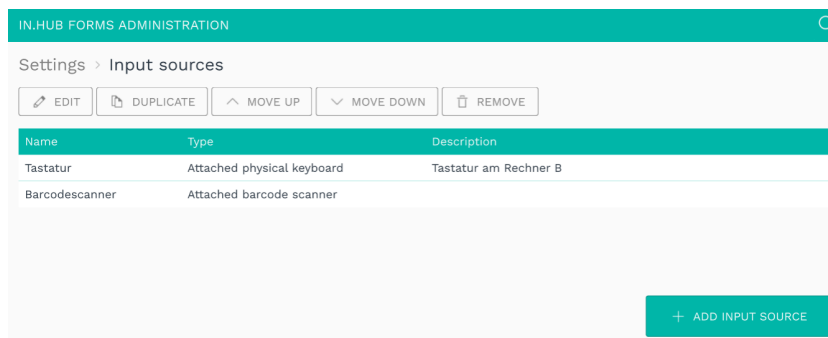


in.hub Forms administration

### 4.1. Configuring input sources

Here you can configure the physical and/or virtual input devices that can be used to acquire input.

1. On the **in.hub Forms Administration** start page, select **Input sources**. Any input sources that have already been created are displayed in a list.



List of created input sources (example)

2. Click on **Add input source**.
3. Enter the **Identifier** of the input source, e.g. “barcodescanner”.
4. In the **Type** drop-down list, select one of the pre-configured input sources.
5. Optional: Enter a **Description** for the input device.
6. Finally, click on **Save & close**.

## 4.2. Creating fields

1. On the **in.hub Forms Administration** start page, select **Fields**.  
Any fields that have already been created are displayed in a list.

Name	Input source	Placeholder	Validation	Min length	Max length	Retain	Optional	Used in
Auftragsnummer	Tastatur		Any characters	10	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Eingabemaske "Mitarbeiter", Laufzettel Produktion
Chargennummer	Tastatur		Digits	3	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Laufzettel Produktion
Artikelnummer	Barcode-scanner	Benenne die die Artikelnummer	Any characters	3	20	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Laufzettel Produktion
Produktionsschritt	Tastatur	Benenne die den Produktionsschritt ein	Any characters	5	30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Laufzettel Produktion, Laufzettel Produktion, Laufzettel Produktion
Verantwortliche Person	Tastatur	Tragen Sie ein, wer für den Produktion	Any characters	3	20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Eingabemaske "Mitarbeiter", Laufzettel Produktion, Laufzettel Produktion, Laufzettel Produktion, Laufzettel Produktion

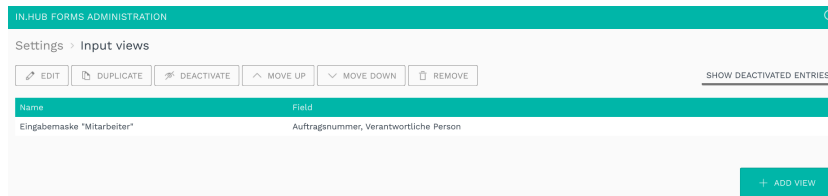
List of created fields (example)

2. Click on **Add field**.  
The setup wizard opens to guide you through the rule creation process. In the following, confirm each entry with **Next** or press **Enter**.
3. Enter the **Name** to be displayed next to the field.
4. Select the **Input source** from the drop-down list.  
The input sources that you have created yourself are displayed.
5. Optional: Enter a **Placeholder** to be displayed in the field if empty.
6. Under **Validation**, you can specify which characters are to be allowed for input.
7. Specify the **Minimum length** in terms of characters.  
The default setting is 10 characters.  
If a field does not have to be filled in, 0 can also be specified as the minimum input length.
8. Specify the **Maximum length** in terms of characters.  
The default setting is 10 characters.
9. Set the **Retain after submission** slider to **On** if the field should continue displaying the value after submission.
10. Set the **Value is optional** slider to **On** if the field does not have to be completed prior to submission.
11. Click on **Finish**.  
You will be taken back to the list of all created fields.
12. If you want to remove a field again, select it in the list and click on **Remove**.
13. If you want to adjust the order of the fields, select a field in the list and click on **Move up** or **Move down**.  
The order of the list is also the order for entry.

### 4.3. Creating input views

Input views consist of a series of input fields, without the need for a docket or an internal company template.

1. On the **in.hub Forms Administration** start page, select **Input views**. Any input views that have already been created are displayed in a list.



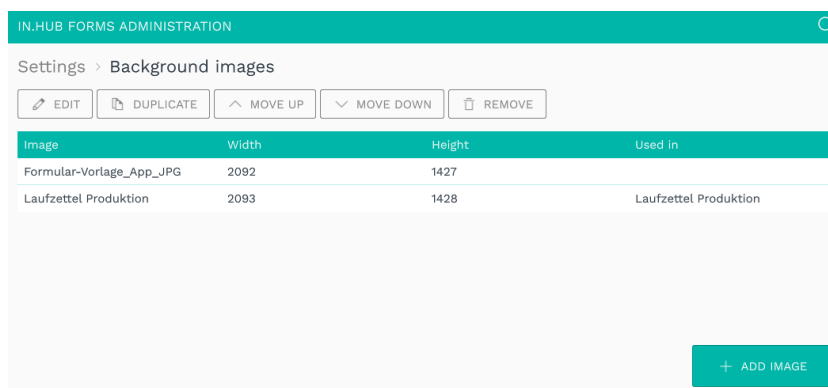
List of created input views (example)

2. Click on **Add input view**. The setup wizard opens to guide you through the rule creation process. In the following, confirm each entry with **Next** or press **Enter**.
3. Enter the **Name** of the input view. This will appear on the left-hand side of the navigation area when you open the in.hub Forms app.
4. Under **Fields select**, you can select the fields to be displayed in your input view.
5. Click on **Finish**. You will be taken back to the list of input views.

### 4.4. Uploading background images

This feature allows you to upload background images for use when creating a form.

1. On the **in.hub Forms Administration** start page, select **Background images**. Images that have already been created are displayed in a list.



List of images (example)

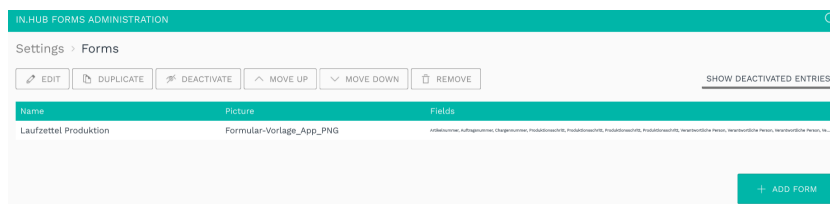
2. Click on **Add image**.
3. Select an **image** for a form from your local directory by clicking on **Upload image**. You can upload images in PNG format.

4. Enter the **Name** of the image.
5. Finally, click on **Save & close**.  
You will be taken back to the list of images.

## 4.5. Defining forms

This feature allows you to create forms with a background image and selected input fields. This is particularly useful for dockets that already exist within the company. You can scan the docket and complete the fields digitally.

1. On the **in.hub Forms Administration** start page, select **Forms**.  
Any forms that have already been created are displayed in a list.



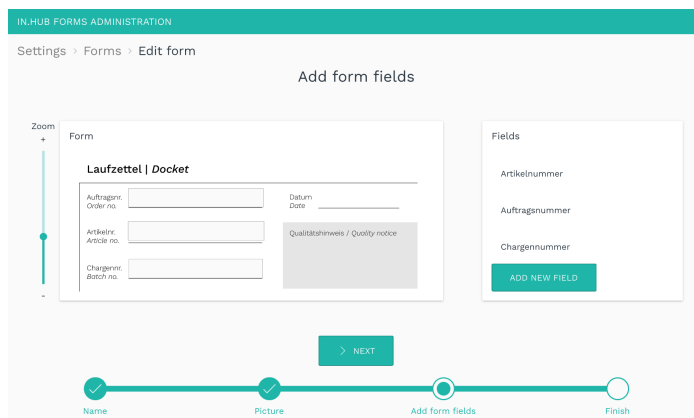
List of forms (example)

You can only remove a background image from the list if it is not being used in a form.

2. Click on **Add form**.  
The setup wizard opens to guide you through the rule creation process. In the following, confirm each entry with **Next** or press **Enter**.
3. Enter the **Name** of the form.
4. Select the **Image** for your form from the drop-down list. In this list, you will find all the background images that you have uploaded already.
5. Under **Add form fields**, you can now arrange and scale the previously created fields on the form. Depending on the size of the image, it might take several seconds for the image to load.

Click on **Add new field** and select the field you wish to insert from the list.

A field will be inserted that you can move and resize. Repeat the process for each field.



“Add form fields” dialogue box

**TIP:** Unable to see a recently created field in the selection list? Refresh the page. The fields should now be visible.

- Click on **Finish**.  
You will be taken back to the list of forms.

## 4.6. Configuring data submission

On the **Data submission management** page, you can define the targets to which the input data will be sent.

Name	Source	Target	Configuration
Eingabemaske	Eingabemaske "Mitarbeiter"	App	SQLConnect
Laufzettel	Laufzettel Produktion	App	SQLConnect

[+ ADD DATA SUBMISSION](#)

List of data submission entries (example)

- On the **in.hub Forms Administration** start page, select **Data submission management**.
- Click on **Add data submission**.  
The setup wizard opens to guide you through the rule creation process. In the following, confirm each entry with **Next** or press **Enter**.
- Enter the **Name** of the data submission.
- Under **Sources**, select the input views or forms from which the data is to be transferred to the target.
- Select the **Type** of data submission target.
- If you have selected **Webhook**, the data will be sent to an external HTTP API endpoint. Under **Details**, enter the URL of the API endpoint.  
From the drop-down list, select the **HTTP method** to be used to send data.
- If you have selected **Built-in VictoriaMetrics database**:  
Under **Details**, enter the **Name of the metric** to which the data should be sent.  
Set the **Save values as labels** slider to **On** if at least one field contains letters or other characters rather than just numbers. VictoriaMetrics is not able to save these.
- If you have selected **MQTT**:  
Under **Details**, enter the **Topic name** under which the data is to be published.  
Set the **Publish retained messages** slider to **On** if you want the broker to send the last value published regarding this topic to all new clients.
- If you have selected **App**:  
Under **Details**, select the **App** to which the data is to be sent from the drop-down list.
- Click on **Finish**.  
You will be taken back to the list of data submission targets.

## 5. FAQs

If you have any questions about the product, please visit the community at <https://community.inhub.de/> or contact our support team at [service@inhub.de](mailto:service@inhub.de).

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The original language of this document is German.

Made in Germany.

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in.hub Download portal: <https://download.inhub.de>



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