

# SwitchMitter

APP DOCUMENTATION



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# 1. Introduction to SwitchMitter.

## STREAMLINE YOUR API WORKFLOW WITH SECURE, RAPID ENDPOINT MANAGEMENT.

SwitchMitter is an integral component of the Enfocus Switch platform, designed to address the complexities traditionally associated with API management. As a cloud-based tool, SwitchMitter facilitates the creation and handling of REST API endpoints, emphasizing ease of use, security, and efficient data processing.

The purpose of SwitchMitter is to provide a user-friendly interface that allows for quick and secure setup of API endpoints, compatible with various data formats such as JSON, XML, JDF, and CSV. This is accomplished with GDPR regulations in mind, secure data storage and management.

SwitchMitter assists users by offering:

- **Quick Endpoint Creation:** Enabling the creation of API endpoints in under three minutes from the point of registration.
- **Enhanced Security:** Implementing advanced encryption techniques to protect data and ensure GDPR compliance.
- **Data Enrichment:** Allowing the addition of metadata to endpoints to streamline search and retrieval processes.
- **Access Control:** Facilitating IP whitelisting to maintain controlled access to API endpoints.
- **Network Simplification:** Removing the need for complex network configurations, such as router and firewall setups.
- **Dynamic Data Handling:** Providing the capability to process incoming data efficiently, creating immediate workflow jobs and handling data backlog after downtime.

## 2. Creating Channels

### 2.1 Registering at SwitchMitter

In order to start with SwitchMitter, you first have to register at: <https://switchmitter.com/register>. After registering, you'll receive a validation email. In some cases the email may end up in your spambox, so be sure to check there.

After clicking on the Verification button in the email (or copy/paste the verification link in your browser), you're automatically logged in.

### 2.2 Enfocus Switch App Token

To use the SwitchMitter App within Enfocus Switch, an Enfocus Switch App Token must first be generated. A token is issued and showed only once, so please store it in a secure location.

You can generate the token in your Profile page. Click in the upper right corner on your first name, and click on Profile. Scroll down to the Enfocus Switch App Token section and click on the 'GENERATE TOKEN' button.

### 2.3 Creating a Channel

After copying the token and saving it in a secure location, it's time to create our first channel.

Please click on the 'Channels' link in the top left corner, next to the SwitchMitter logo. Then click on the 'CREATE CHANNEL' button. In the popup that shows up, enter the name of the channel and specify the file type you wish to receive on this channel. Now click on 'ADD CHANNEL'.

After the channel has been created, you will be automatically redirected to the channel's settings.

***At this point you can already receive data on the channel by using the URL that has been created automatically.***

***Note: There is no limit to the number of channels that can be created.***

### 2.4 Securing a Channel

To secure a channel, click on the toggle that is positioned under "Unprotected." The toggle will move to the right and the text above it will change to "Protected". Then, enter the IP address in the Whitelisted IP addresses form field, from which the files will be posted to your channel. It is possible to enter multiple IP addresses. Added addresses will be shown below the input field.

You can remove IP addresses by clicking on the little X on the right of the IP address

### 2.5 Send unspent posts automatically on Enfocus Switch Workflow activation

If your Enfocus Switch Workflow with a SwitchMitter watcher is deactivated, your provider can still post new data to SwitchMitter, and it will be received and securely stored, only not sent to Enfocus Switch. On reactivation of the Enfocus Switch Workflow, SwitchMitter can automatically send the unspent posts to all your active Enfocus Switch Workflows that are watching the chan-

nel. Or, you could send them manually from the posts list on your channel's page.

In order to have SwitchMitter automatically send unsent posts, please click on the toggle beneath the "Do not send unsent posts on Workflow activation" text. The toggle will move to the right and the text above it will change to "Send unsent posts on active Workflow"

## 2.6 URL and additional data

Upon creating a channel, a unique secure URL is automatically generated. This URL may be provided to the provider, enabling them to post data to SwitchMitter.

*This URL is a unique and secure Rest API Endpoint where data can be posted to with HTTPS POST.*

The URL can be supplemented with additional metadata. This metadata is stored in the database to simplify searching and filtering. This is useful when data needs to be manually downloaded or resent to Enfocus Switch from the posts list.

There are two metadata fields available, orderNumber and reference. These can be appended to the URL, preceded by an & (ampersand).

For example:

`https://switchmitter.com/api/posts?name=hellprint&channelId=65df4e84845624b7e2cd8b-6c&authKey=c4e6e000-6028-439b-b6e8-2f76435ea35d&orderNumber=12345`

or

`https://switchmitter.com/api/posts?name=hellprint&channelId=65df4e84845624b7e2cd8b-6c&authKey=c4e6e000-6028-439b-b6e8-2f76435ea35d&reference=REF12345`

or both:

`https://switchmitter.com/api/posts?name=hellprint&channelId=65df4e84845624b7e2cd8b-6c&authKey=c4e6e000-6028-439b-b6e8-2f76435ea35d&orderNumber=12345&reference=REF12345`

## 2.7 Posting data to a Channel's URL

Sending data can be accomplished using an HTTPS POST request. The data is expected to be in the body of the POST request. This means you will need to include the data you wish to send as part of the request's body. Ensure the data format matches what is expected by the receiving endpoint, such as JSON/XML/JDF or CSV.

The post payload will be validated to ensure data integrity, and if there are issues, the provider will receive an error message. After validation, the payload is AES-256 encrypted and stored in a secure database for 7 days. After 7 days, the data is automatically removed from the database.

*Every Rest API Endpoint is limited to 120 requests (posts) per minute.*

## 2.8 Resending a post payload

If a payload from a post needs to be resent, this can be done on the channel's settings page. At the bottom of the page, the most recent posts are displayed. Click on the three dots behind

the post and choose 'Resend'. The payload of this post will be re-submitted to the channel and received by Enfocus Switch.

**Please note: The payload of a post is only stored for 7 days and is then automatically deleted. When data is removed, you'll receive an error message.**

## 2.9 Download payload manually

It is possible to download the payload of a post manually. Click on the three dots behind the post and choose 'Download'.

## 2.10 View post info

In order to view post info, also click on the three dots and then on 'View Post'. A popup is displayed showing all the information regarding the post.

## 2.11 Notifications (User Profile)

### Unsent Posts

Receive an email when a channel receives posts, but there's no Enfocus Switch app receiving the data. This email will be sent every hour.

## 3. Configuring Enfocus Switch

Place the app within the desired workflow. The app serves as an entry point, similar to a web-hook. There must be an outgoing connection to at least one folder.

### 3.1 App properties

Property	Value
<b>Element type</b>	switchmitter
<b>Name</b>	SwitchMitter
<b>Description</b>	
<b>App token</b>	*****
<b>Enfocus Switch Web Service port</b>	Default
<b>Channel</b>	Helloprint
<b>Filename</b>	Ordernumber
<b>Filename prefix</b>	[Channel]
<b>Filename suffix</b>	
<b>Dataset name</b>	SwitchMitter

### 3.2 App token

Paste the App Token generated in the SwitchMitter portal here. If you haven't generated an Enfocus Switch App Token, please do so (see 2.2 Enfocus Switch App Token).

### 3.3 Enfocus Switch Web Service port

If you have changed the default Web Services Port in Enfocus Switch, you need to enter it here.

### 3.4 Channel

Please use the three dots on the right to open a dialog that contains the channels you've created in the SwitchMitter portal.

### 3.5 Filename

The Default filename is the post id. If your provider adds metadata to the URL, the initial job filename can be changed to Ordernumber or Reference. If present, the filename will have one of these. If the Ordernumber or Reference is missing, the filename will inherit the post id.

### 3.6 Filename prefix

The default filename is the post id from the SwitchMitter database (24 char string, like: 65ba57d-38cf906bbc7e110c6). You can add a custom prefix yourself or use a replacement pattern listed below.

Options:

[Timestamp] to prefix the filename with the current timestamp.

[Channel] to prefix the filename with the channel name (result: slug, all lowercase without special chars, space replaced by dash).

[Ordernumber] to prefix the filename with the post's ordernumber (needs to be present in the post!)

[Reference] to prefix the filename with the post's reference (needs to be present in the post!)

The prefix is automatically added with a trailing dash, so you don't have to add it.

### 3.7 Filename suffix

The default filename is the post id from the SwitchMitter database (24 char string, like: 65ba57d-38cf906bbc7e110c6). You can add a suffix yourself or use a replacement pattern listed below.

Options:

[Timestamp] to suffix the filename with the current timestamp.

[Channel] to suffix the filename with the channel name (result: slug, all lowercase without special chars, space replaced by dash).

[Ordernumber] to suffix the filename with the post's ordernumber (needs to be present in the post!)

[Reference] to suffix the filename with the post's reference (needs to be present in the post!)

The suffix is automatically added with a leading dash, so you don't have to add it.

### 3.8 Dataset name.

If a file type is eligible for use as a dataset (JSON, XML, JDF), the dataset will be automatically linked to the job. Please enter the desired name for the dataset here, or leave the default value: SwitchMitter.

***Happy SwitchMitting!***
















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