



BROSIX

Notifications API v2

Integration manual for partners

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1. About Brosix

Brosix is a secure business messaging platform designed for internal team communication. Companies use Brosix to exchange instant messages, files, and collaborate via chat rooms—all within a private, managed environment. This API allows external services to send messages to Brosix users securely and reliably.

Use cases

Here are a few examples of when this Brosix API would be beneficial for the users:

- An external CRM system sends automatic notifications to a Brosix user.
- A monitoring system alerts a support team in Brosix when an error occurs.
- A chatbot service sends updates to team members within Brosix.
- Mail systems notifies the user via Brosix about an important mail from a partner
- Online shop notifies the team via Brosix about a new order

2. Overview of this API

Brosix Notifications API is designed to provide a secure, and easy to implement access of external service providers to send messages to Brosix users.

All messages sent in the Brosix platform have sender ("from user") and recipient ("to user").

To simplify the API, and make it easier for external providers to implement it, Brosix creates Channels. At the both ends of a channel are the both users "Sender" and "Recipient".

An external provider has access only to the channels exposed by the customer. Each Channel is identified by its API Key. When an external provider sends a message using an API Key, Brosix actually sends the message from the "from user" to the "to user".

Features

Features supported by this API:

- **Check API Key** – Check if API Key is valid
- **Send Message** – Send a message in a Channel

Terms

Channel – A one-directional connection between two users. In a Channel the Sender user sends the messages and the Recipient user receives the messages.

API Key - An authentication key generated by the platform to uniquely identify a Channel.

Message - A text that a Sender sends to a Recipient via a Channel.

Service - A special user in the Brosix platform that represents a Sender user.

Getting Started

The workflow with this API is as follow:

1. Request API Key from your Brosix administrator (via Control Panel).
2. Test the API Key using the `apikey/check/` endpoint.
3. Send messages via the `message/send/` endpoint.
4. Monitor HTTP response codes and logs for success or failure.

3. Protocol

Brosix Notifications API accepts commands via HTTP protocol over SSL.

Request

Brosix Notifications API accepts commands via HTTP protocol over SSL. Request data is passed as either:

- URL parameters
- ***x-url-form-encoded*** in the body of HTTP POST request
- **json** in the body of HTTP POST request

NOTE: Preferred way to pass the data of the command is in the body of the HTTP request: either as x-url-form-encoded or as json.

Response

Brosix Notifications API returns responses in JSON format. The response always contains a value "result" with the result code of the request.

Authentication

To authenticate the request, the client must send an "API Key". "API Key" is generated by the Brosix Control Panel and provided to the customer. It uniquely identifies the client and the access level it has to the resources provided by this API.

API Key must be provided in every request to this API in one of the following ways:

1. As an "apikey" parameter in the URL of the request
2. As an "apikey" parameter in the body of the request (form encoded or json)
3. As a "X-API-KEY" header in the HTTP request
4. As a "X-APIKEY" header in the HTTP request

NOTE: Preferred way to send the api key is as a HTTP header of the request.

IMPORTANT: API Key is Case-Sensitive. Applications should send it exactly as it was provided by Brosix.

Security

To guarantee security and privacy of the messages, all commands to Brosix API should be sent over SSL/TLS.

Command identification

Each command to the API has its own URL address.

The base URL of the API is

<https://api.brosix.com/v2/>

All API commands are relative to this base address. This base address is referred to in the document with “~”.

Result Codes

Each command of this API returns a result code as HTTP response code. If the operation is successful, it will return HTTP 200 OK and you can find more details into the body of the response, that will be a JSON.

Result Codes Table

This table shows decimal values of the Result Codes:

Code (decimal)	Description
	Success codes
200	Success
	Error codes
400	Invalid parameters
502	Bad Gateway

“Bad gateway” means Brosix server was not able to execute the command due to its internal error.

4. API Key Commands

This section describes commands related to API Keys

Check API Key

URL: ~/apikey/check/

This command checks if the API Key is valid. If the Api Key is valid, it will return some details about the Channel it authenticates.

Parameters

Name	Type	Description/Value
apikey	Text	API Key to be checked

NOTE: API Key is a required parameter and should be provided in one of the described options.

Response

Response is in JSON with these properties:

Name	Type	Description/Value
result	Int	1 – success; x – error;
sender	Text	The name of the sender in this Channel
recipient	Text	The name of the recipient in this Channel

Example

Request:

```
{  
  "apikey": "abcdefghijklmnopqrstuvwxyz"  
}
```

Response:

```
{  
  "result": 1,  
  "sender": "John Doe",  
  "recipient": "Peter Smith"  
}
```

5. Messages Commands

This section describes commands related to messages.

Send Message

URL: ~/message/send/

Applications use this command to send a message in a Channel.

Parameters

Name	Type	Description/Value
apikey	Text	API Key to be checked
msg	Text	The text of the message to be sent

NOTE: API Key is a required parameter and should be provided in one of the described options.

Response

Response is in JSON with these properties:

Name	Type	Description/Value
result	Int	1 – success; x – error;

Example

Request:

```
{  
  "apikey": "abcdefghijklmnopqrstuvwxy",  
  "msg": "Hi there"  
}
```

Response:

```
{  
  result: 1  
}
```