

# Microlog REST API Collection



The Microlog API is organized around REST. Presently, language dependent client libraries are not provided.

Use the **test** or **live** Microlog API by using the corresponding `test_` or `live_` API key. Note that during our **soft launch**, only the test environment is available.

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## Authentication

Authenticate Microlog API requests using keys managed in the Microlog Portal (Web Admin Portal). All calls require **HTTPS**.

- **Error 401 (Unauthorized):** Returned for failed or missing authentication.
- **Error 404 (Not Found):** Returned for an invalid logbox name.

## Connected Account

In the Microlog platform, businesses are represented by **Accounts**. The API only supports accounts that are **Active** and **Connected**.

Accounts are "Connected" if:

- They share a **primary/proxy** relationship.
  - They were **manually linked** via the WAP Account table
- 

## Endpoints

There are 2 API concerning writing to and searching for log messages inside a specific Logbox.

# Write a Log Message

## Base URL

https://api.microlog.io/api/v1/logs/write

## HTTP Verb

POST

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## HTTP Request Headers

**Authorization** Bearer: {apiKey}

**Content-Type** application/json

Both the live and test API keys of an account can be found in the account profile on the Account Table page.

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## Request Body Parameters

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**log\_message** string

A text message with length up to the maximum allowable limit in the receiving Logbox (i.e. Settings). Messages longer than the limit will be truncated to the allowable max length before storing.

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**logbox\_name** nullable string

The name of the receiving Logbox. When unspecified, it defaults to the name of the Logbox of the API caller.

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**tags** nullable string

Additional key/value pairs to be tagged with the log message for filtering purposes. These tags are predefined.

**client** nullable string

A name with which the log message is to be associated with. This is particularly helpful if you are logging in your own logbox and not needed otherwise.

**topic** nullable string

A topic with which the log message is to be associated with.

**importance** nullable string

An importance indicator with which the log message is to be associated.

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## Examples: POST <https://api.microlog.io/api/v1/logs/write>

**Example 1** Write a log message in your own logbox.

The screenshot displays a REST client interface with the following details:

- Status:** 201 Created
- Time:** 436.80 ms
- Size:** 181 bytes
- Type:** application/json, charset=utf-8

**Headers:**

- Authorization:** Bearer test\_WYCbJqSaGK7nkRCnGLWsA0myaFgkXr68/KpV
- Content-Type:** application/json

**Body (Request):**

```
1 {
2   "log_message": "Hello my logbox!"
3 }
```

**Response (Body):**

```
1 {
2   "message": "Message successfully sent to the log store",
3   "api_account_business_name": "Microlog.io",
4   "logbox_account_business_name": "Microlog.io",
5   "logging_timestamp": 1771037414.722042
6 }
```

**Example 2** Write a log message in your own logbox and tag it with the client name “gadgets.com”, topic name “Testing”, and importance level “debug”.

The screenshot shows a REST client interface with the following details:

- Status:** 201 Created
- Time:** 295.90 ms
- Size:** 181 bytes
- Type:** application/json; charset=utf-8

**Headers:**

- Authorization: Bearer test\_WYCbJqSAGK7nrCnGLWsA0myaFgkXr68/KpV
- Content-Type: application/json

**Body (Request):**

```
1 {
2   "log_message": "Hello my logbox!",
3   "tags": {
4     "client": "gadgets.com",
5     "topic": "Testing",
6     "importance": "debug"
7   }
8 }
```

**Response (Body):**

```
1 {
2   "message": "Message successfully sent to the log store",
3   "api_account_business_name": "Microlog.io",
4   "logbox_account_business_name": "Microlog.io",
5   "logging_timestamp": 1771037620.330847
6 }
```

**Example 3** Write a log message in the logbox of “joindeleteme.com”.

The screenshot shows a REST client interface with the following details:

- Status:** 201 Created
- Time:** 285.10 ms
- Size:** 186 bytes
- Type:** application/json; charset=utf-8

**Headers:**

- Authorization: Bearer test\_WYCbJqSAGK7nrCnGLWsA0myaFgkXr68/KpV
- Content-Type: application/json

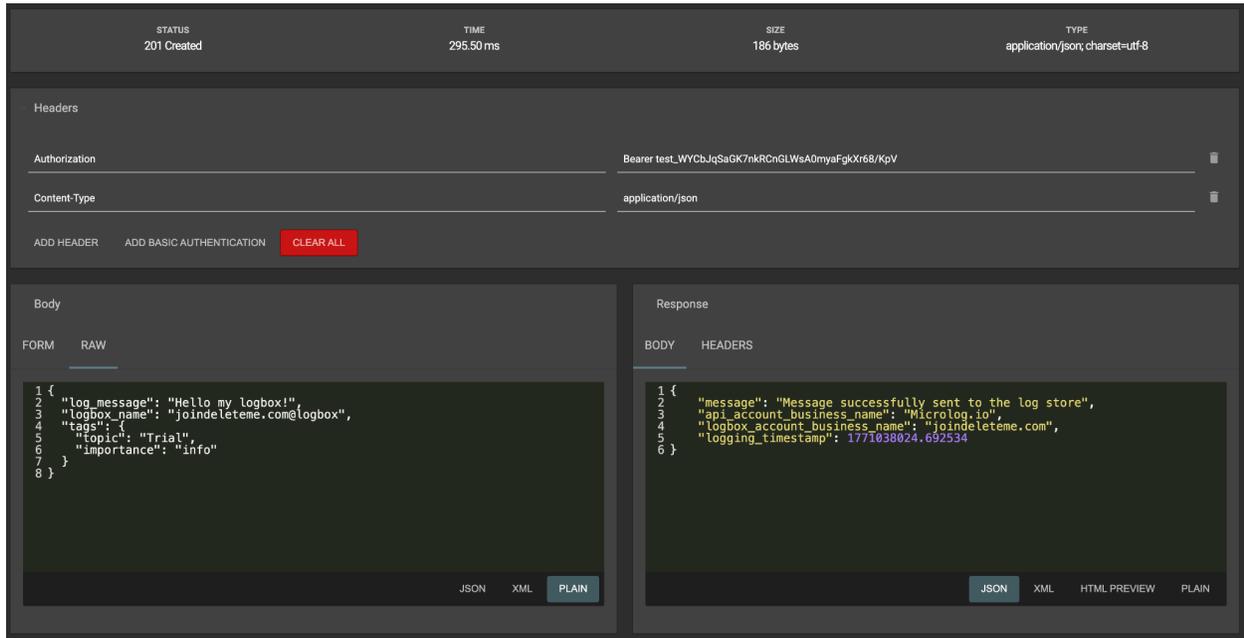
**Body (Request):**

```
1 {
2   "log_message": "Hello my logbox!",
3   "logbox_name": "joindeleteme.com@logbox"
4 }
```

**Response (Body):**

```
1 {
2   "message": "Message successfully sent to the log store",
3   "api_account_business_name": "Microlog.io",
4   "logbox_account_business_name": "joindeleteme.com",
5   "logging_timestamp": 1771037857.426751
6 }
```

**Example 4** Write a log message in the logbox of “joindeleteme.com” and tag it with topic name “Trial” and importance level “info”.



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## Search A Logbox

### Base URL

<https://api.microlog.io/logs/search>

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### HTTP Verb

POST

---

### HTTP Request Headers

<b>Authorization</b>	Bearer: {apiKey}
<b>Content-Type</b>	application/json

---

### Request Body Parameters

---

**begin\_timestamp** integer

A timestamp indicating the start of a search period in epoch seconds

---

**end\_timestamp** integer

A timestamp indicating the end of a search period in epoch seconds

---

**logbox\_name** nullable string

The name of the target (receiving) Logbox

When unspecified, it defaults to the name of the Logbox of the API caller.

If this logbox is not owned by the API caller only messages that were logged by the API caller will be returned.

---

**page\_number** integer

The desirable page to be retrieved from a multi-page search results.

When unspecified, it defaults to 0, the first page of the search results.

When there are more results, a “more” indicator set to true will be included in the response.

---

**search\_phrase** nullable string

A text string to be applied in a full\_text search on the log message content.

The length of the phrase can be up to the maximum allowable limit in the Logbox (i.e. Settings) of the API caller.

---

**by** nullable string

When you are searching for messages in your own logbox, you can narrow the search further by specifying the account ID of the logger (**by** means “logged by”.) However, this parameter will be ignored if you are searching a logbox that is not your own.

---

**client** nullable string

The value of the client tag of the log message *must* match to qualify as a successful search.

or

**client\_\*** nullable string\*

The value of the client tag of the log message *should* match to qualify as a successful search.

or

**\_client** nullable string

The value of the client tag of the log message *must not* match to qualify as a successful search.

---

**topic** nullable string

The value of the topic tag of the log message *must* match to qualify as a successful search.

or

**topic\_** nullable string\*

The value of the topic tag of the log message *should* match to qualify as a successful search.

or

**\_topic** nullable string

The value of the topic tag of the log message *must not* match to qualify as a successful search.

---

**importance** nullable string

The value of the importance tag of the log message *must* match to qualify as a successful search.

or

**importance\_** nullable string\*

The value of the importance tag of the log message *should* match to qualify as a successful search.

or

**\_importance** nullable string

The value of the importance tag of the log message *must not* match to qualify as a successful search.

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\* When the "should match" condition is applied to only one tag filter it is treated as a "must match". If it is applied to more than one tag filter, it means the search will be qualified as a success if one or more matches are found.

Examples: POST https://api.microlog.io/api/v1/logs/search

<b>returned</b>	total # of results found during the period and ready to be retrieved
<b>skipped</b>	# of messages skipped due to message integrity check failures
<b>more</b>	false means this is the last page of results; true means there are still more pages to retrieve by using the page_number parameter.

**Example 1** Search your own logbox for messages between 1/11/2026 4:41:58pm PST and 2/11/2026 4:41:58pm PST. Note the API must pass the begin / end timestamp in epoch seconds.

The screenshot shows a REST client interface with the following details:

- Status:** 201
- Time:** 1120.00 ms
- Size:** 609184 bytes
- Type:** application/json, charset=utf-8
- Headers:**
  - Authorization: Bearer test\_wo7uu8c3n33JaNjX0MqYl/yXv2yfGpZn0Mh8
  - Content-Type: application/json
- Body (Request):**

```
1 {
2   "begin_timestamp": 1768178518,
3   "end_timestamp": 1770856918
4 }
```
- Response (Body):**

```
1 {
2   "message": "Messages successfully retrieved from the logstore.",
3   "returned": 10000,
4   "skipped": 0,
5   "more": true,
6   "log_message_docs": [
7     {
8       "log_message": "AUDIT LOG - A WriteLog API was invoked by Micro",
9       "log_message_id": "ISiTPJwBHBgm34dEXoaP",
10      "live_key": false,
11      "logging_timestamp": 1770542810.2517853,
12      "logged_timestamp": 1770542816.622019,
13      "logging_account_ulid": "01KGRVHQV2NCVBXTV67FVH4E64",
14      "logging_account_business_name": "Microlog.io",
15      "logbox_account_ulid": "01KGRVHQV2NCVBXTV67FVH4E64",
16      "logbox_account_business_name": "Microlog.io",
17      "client": null,
18      "topic": "Audit Log",
19      "importance": "INFO",
20      "expire_at_timestamp": 1771147616,
21      "log_message_digest_signature": "mAaQwonTPPxHdHdLGR9ikA=="
22    }
23  ]
24 }
```

**Example 2** Since there are more pages available the next call asks for the second page of results. Note the API must pass 1 not 2 in page\_number for the second page, as page 0 (or unspecified) indicates the first page.

The screenshot shows a REST client interface with the following details:

- Status:** 201
- Time:** 1021.50 ms
- Size:** 609452 bytes
- Type:** application/json; charset=utf-8
- Authorization:** Bearer test\_wo7uu8c3n33JaNjX0MqYl/yXv2yfGpZND0Mh8
- Content-Type:** application/json
- Request Body (RAW):**

```
1 {
2   "begin_timestamp": 1768178518,
3   "end_timestamp": 1770856918,
4   "page_number": 1
5 }
```
- Response Body (RAW):**

```
1 {
2   "message": "Messages successfully retrieved from the logstore.",
3   "returned": 10000,
4   "skipped": 0,
5   "more": true,
6   "log_message_docs": [
7     {
8       "log_message": "AUDIT LOG - A WriteLog API was invoked by Micro
9       "log_message_id": "ZpiRPJwBHBgm34dEz35w",
10      "live_key": false,
11      "logging_timestamp": 1770542711.9988918,
12      "logged_timestamp": 1770542714.435448,
13      "logging_account_uid": "01KGRVHOV2NCVBXTV67FVH4E64",
14      "logging_account_business_name": "Microlog.io",
15      "logbox_account_uid": "01KGRVHOV2NCVBXTV67FVH4E64",
16      "logbox_account_business_name": "Microlog.io",
17      "client": null,
18      "topic": "Audit Log",
19      "importance": "INFO",
20      "expire_at_timestamp": 1771147514,
21      "log_message_digest_signature": "mAAQwonTpPXdHaLGR91kA=="
22    }
23  ]
24 }
```

**Example 3** Search your own logbox for messages during the set period containing the phrase "WriteLog API".

The screenshot shows a REST client interface with the following details:

- Status:** 201
- Time:** 959.10 ms
- Size:** 589740 bytes
- Type:** application/json; charset=utf-8
- Authorization:** Bearer test\_wo7uu8c3n33JaNjX0MqYl/yXv2yfGpZND0Mh8
- Content-Type:** application/json
- Request Body (RAW):**

```
1 {
2   "begin_timestamp": 1768178518,
3   "end_timestamp": 1770856918,
4   "search_phrase": "WriteLog API"
5 }
```
- Response Body (RAW):**

```
1 {
2   "message": "Messages successfully retrieved from the logstore.",
3   "returned": 8981,
4   "skipped": 0,
5   "more": true,
6   "log_message_docs": [
7     {
8       "log_message": "AUDIT LOG - A WriteLog API was invoked by Micro
9       "log_message_id": "I5iTPJwBHBgm34dExoap",
10      "live_key": false,
11      "logging_timestamp": 1770542810.2517853,
12      "logged_timestamp": 1770542816.622019,
13      "logging_account_uid": "01KGRVHOV2NCVBXTV67FVH4E64",
14      "logging_account_business_name": "Microlog.io",
15      "logbox_account_uid": "01KGRVHOV2NCVBXTV67FVH4E64",
16      "logbox_account_business_name": "Microlog.io",
17      "client": null,
18      "topic": "Audit Log",
19      "importance": "INFO",
20      "expire_at_timestamp": 1771147616,
21      "log_message_digest_signature": "mAAQwonTpPXdHaLGR91kA=="
22    }
23  ]
24 }
```

**Example 4** Search your own logbox for messages logged during the set period and tagged with ["foo.com"](https://foo.com) in the client tag.

STATUS: 201 | TIME: 1270.10 ms | SIZE: 627547 bytes | TYPE: application/json, charset=utf-8

Headers

Authorization: Bearer test\_wo7uu8c3n33JaNjXOMqYl/yXv2yfGpZND0Mh8

Content-Type: application/json

ADD HEADER | ADD BASIC AUTHENTICATION | CLEAR ALL

Body

FORM | RAW

```

1 {
2   "begin_timestamp": 1768178518,
3   "end_timestamp": 1770856918,
4   "client": "foo.com"
5 }

```

JSON | XML | PLAIN

Response

BODY | HEADERS

```

1 {
2   "message": "Messages successfully retrieved from the logstore.",
3   "returned": 2197,
4   "skipped": 0,
5   "more": true,
6   "log_message_docs": [
7     {
8       "log_message": "[2026-02-08 00:26:50] Operation: READ Resource:
9       "log_message_id": "CZ1TPJw8HBgm34dEVb7",
10      "live_key": false,
11      "logging_timestamp": 1770542810.2215846,
12      "logged_timestamp": 1770542814.442325,
13      "logging_account_ulid": "01KGRVHQV2NCVBXTV67FVH4E64",
14      "logging_account_business_name": "Microlog.io",
15      "logbox_account_ulid": "01KGRVHQV2NCVBXTV67FVH4E64",
16      "logbox_account_business_name": "Microlog.io",
17      "client": "foo.com",
18      "topic": "user authentication",
19      "importance": "fatal",
20      "expire_at_timestamp": 1771147614,
21      "log_message_digest_signature": "CYuETOX+Xd/doZbEVtbezv=="
22    }
23  ]
24 }

```

**Example 5** Search your own logbox for messages that were logged during the set period by account ["microlog.io"](https://microlog.io). Note that the value of the request parameter **"by"** must be the ID of the account, not its business name. Since it is a connected account you can, on the Microlog portal, find the business name on the account table page and click on it for the profile page and its account ID.

STATUS: 201 | TIME: 1070.30 ms | SIZE: 546718 bytes | TYPE: application/json, charset=utf-8

Headers

Authorization: Bearer test\_ztaxy+wU/AxOIVlyHCFrxnwASzL-jWyG4

Content-Type: application/json

ADD HEADER | ADD BASIC AUTHENTICATION | CLEAR ALL

Body

FORM | RAW

```

1 {
2   "begin_timestamp": 1768178518,
3   "end_timestamp": 1770856918,
4   "by": "01KGRVHQV2NCVBXTV67FVH4E64"
5 }

```

JSON | XML | PLAIN

Response

BODY | HEADERS

```

1 {
2   "message": "Messages successfully retrieved from the logstore.",
3   "returned": 1484,
4   "skipped": 0,
5   "more": true,
6   "log_message_docs": [
7     {
8       "log_message": "AUDIT LOG - A WriteLog API was invoked by joinde
9       "log_message_id": "C51TPJw8HBgm34dEVb7",
10      "live_key": false,
11      "logging_timestamp": 1770542810.3873363,
12      "logged_timestamp": 1770542814.44237,
13      "logging_account_ulid": "01KGRVHQV2NCVBXTV67FVH4E64",
14      "logging_account_business_name": "Microlog.io",
15      "logbox_account_ulid": "01KGRVHS02CC5ABJ1SP8Y7WJ23",
16      "logbox_account_business_name": "joindeleteme.com",
17      "client": null,
18      "topic": "Audit Log",
19      "importance": "INFO",
20      "expire_at_timestamp": 1771147614
21    }
22  ]
23 }

```

**Example 6** Search your own logbox for messages that were logged by yourself during the set period, but not tagged with [“example.net”](#) in the client tag.

The screenshot shows the Logbox interface with the following details:

- Status:** 201
- Time:** 961.00 ms
- Size:** 579317 bytes
- Type:** application/json, charset=utf-8
- Headers:**
  - Authorization: Bearer test\_ztstyx+wU/fAxOIVLyHCFXnwASfzL+jWyG4
  - Content-Type: application/json
- Body (RAW):**

```
1 {
2   "begin_timestamp": 1768178518,
3   "end_timestamp": 1770856918,
4   "client": "example.net",
5   "by": "01KGRVHS02CC5ABJ1SP8Y7WJZ3"
6 }
```
- Response (BODY):**

```
1 {
2   "message": "Messages successfully retrieved from the logstore.",
3   "returned": 1109,
4   "skipped": 0,
5   "more": true,
6   "log_message_docs": [
7     {
8       "log_message": "[2026-02-08 09:26:50] Operation: READ Resource:
9       "log_message_id": "551TPJwBHBgm34dEUYxs",
10      "live_key": false,
11      "logging_timestamp": 1770542810.0729682,
12      "logged_timestamp": 1770542813.402976,
13      "logging_account_ulid": "01KGRVHS02CC5ABJ1SP8Y7WJZ3",
14      "logging_account_business_name": "joindeleteme.com",
15      "logbox_account_ulid": "01KGRVHS02CC5ABJ1SP8Y7WJZ3",
16      "logbox_account_business_name": "joindeleteme.com",
17      "client": "baz.org",
18      "topic": "data_sync",
19      "importance": "warning",
20      "expire_at_timestamp": 1771147613
21    }
22  ]
23 }
```

**Example 7** Search your own logbox for messages that were logged during the set period, not tagged with [“example.net”](#) in the client tag, but with the importance level set to “fatal”, and topic “car booking app”.

The screenshot shows the Logbox interface with the following details:

- Status:** 201
- Time:** 147.20 ms
- Size:** 21938 bytes
- Type:** application/json, charset=utf-8
- Headers:**
  - Authorization: Bearer test\_ztstyx+wU/fAxOIVLyHCFXnwASfzL+jWyG4
  - Content-Type: application/json
- Body (RAW):**

```
1 {
2   "begin_timestamp": 1768178518,
3   "end_timestamp": 1770856918,
4   "client": "example.net",
5   "importance": "fatal",
6   "topic": "car booking app"
7 }
```
- Response (BODY):**

```
1 {
2   "message": "Messages successfully retrieved from the logstore.",
3   "returned": 38,
4   "skipped": 0,
5   "more": false,
6   "log_message_docs": [
7     {
8       "log_message": "[2026-02-08 09:26:48] Operation: DELETE Resource:
9       "log_message_id": "w51TPJwBHBgm34dEQ4VP",
10      "live_key": false,
11      "logging_timestamp": 1770542809.6435795,
12      "logged_timestamp": 1770542809.644535,
13      "logging_account_ulid": "01KGRVHS02CC5ABJ1SP8Y7WJZ3",
14      "logging_account_business_name": "joindeleteme.com",
15      "logbox_account_ulid": "01KGRVHS02CC5ABJ1SP8Y7WJZ3",
16      "logbox_account_business_name": "joindeleteme.com",
17      "client": "foo.com",
18      "topic": "car book app",
19      "importance": "fatal",
20      "expire_at_timestamp": 1771147609
21    }
22  ]
23 }
```

**Example 8** Search your own logbox for messages that were logged during the set period, either tagged with “[example.net](#)” in the client tag, or the importance level set to “fatal”, or topic “car booking app”. Any one of the matching conditions will work and be considered a successful match.

The screenshot displays a log viewer interface with the following sections:

- Status:** 201
- Time:** 875.30 ms
- Size:** 370652 bytes
- Type:** application/json; charset=utf-8

**Headers:**

- Authorization:** Bearer test\_ztayjx+wU/fAxOIVlyHCFXnwASfzL+jWyG4
- Content-Type:** application/json

**Body:**

**Request (RAW):**

```
1 {
2   "begin_timestamp": 1768178518,
3   "end_timestamp": 1770856918,
4   "client": "example.net",
5   "importance": "unimportant",
6   "topic": "car booking app"
7 }
```

**Response (BODY):**

```
1 {
2   "message": "Messages successfully retrieved from the logstore.",
3   "returned": 636,
4   "skipped": 0,
5   "more": false,
6   "log_message_docs": [
7     {
8       "log_message": "[2026-02-08 09:26:47] Operation: READ Resource: u:
9       "log_message_id": "3jiTPJwBHBgm34dEUyXs",
10      "live_key": false,
11      "logging_timestamp": 1770542807.9746306,
12      "logged_timestamp": 1770542813.402731,
13      "logging_account_ulid": "01KGRVHS02CC5ABJ1SP8Y7WJZ3",
14      "logging_account_business_name": "joindelteme.com",
15      "logbox_account_ulid": "01KGRVHS02CC5ABJ1SP8Y7WJZ3",
16      "logbox_account_business_name": "joindelteme.com",
17      "client": "example.net",
18      "topic": "car book app",
19      "importance": "warning",
20      "expire_at_timestamp": 1771147613
21    }
22  ]
23 }
```