Overview

This describes the sources that make up the Logger API v1.

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Current Version

The initial Api version must be API v1.

Schema

All communication must be done over http, and accessed from the your local machine: http://localhost:8080. All data is sent and received as JSON.

Client Errors

There are four possible types of client errors on API calls:

1. Sending invalid JSON will result in a 400 Bad Request response.
2. Sending invalid credentials will result in a 401 Unauthorized response.
3. Sending invalid access token will result in a 403 Forbidden response.
4. Exceeding the rate limiting will result in a 403 Forbidden response.

Authentication

There is one way to authenticate through Logger Api v1 using a basic authentication defined as:

```
POST /auth
```

Header

Name	Value
Authorization	application_id:application_secret

Response

Name	Type	Description
access_token	string	The 32 character id for which to create the token.

```
{
  "access_token": "c47026d9-90bf-4480-a259-a953bc103495"
}
```

This endpoint uses a simplified version of Basic Authentication, for more information please refer to:
https://en.wikipedia.org/wiki/Basic_access_authentication

Register Endpoint

Register a new application within the Logger Service, unauthenticated end point.

POST /register

Request

Name	Type	Description
display_name	string	Up to 32 characters representing the applications' name.

```
{
  "display_name": "MyAwesomeApplication"
}
```

Response

Name	Type	Description
application_id	string	The 32 character id for which to create the token.
application_secret	string	The 32 character secret for which to create the token.
display_name	string	Up to 32 characters representing the applications name.

```
{
  "application_id": "abc123def123...",
  "application_secret": "abc123def123...",
  "display_name": "MyAwesomeApplication"
}
```

Logging Endpoint

Sends a new application log message to be stored in the Logger Service, an access token is required. Please, pay close attention to the rate limiting access.

POST /log

Header

Name	Value
Authorization	access_token

Request

Name	Type	Description
application_id	string	The 32 character application id.
logger	string	Logger identify, maximum size: - 256 characters.
level	string	Defines the set of levels recognized by the system, maximum size: - 256 characters.
message	string	Log message, maximum size: - 2048 characters.

```json
{
  "application_id": "abc123def123...",
  "logger": "com.logger.service.Uploader",
  "level": "Error",
  "message": "The communication pipeline is broken."
}
```

Response

Name	Type	Description
success	bool	

```json
{
  "success": true|false
}
```

Rate Limiting

For all request through the api, you can make up to 60 requests per minute per applications. If you use up to your 60 api calls then you will receive "rate limit exceeded" message and must wait 5 minutes before can make requests again, please, pay very close attention to that limitation, any request within next 5 minutes will reset the rate limiting exceeded time.