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# loki-api-client Documentation

*Release unknown*

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This is the documentation of **loki-api-client**.

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**Note:** This is the main page of your project's [Sphinx](#) documentation. It is formatted in [reStructuredText](#). Add additional pages by creating `rst`-files in `docs` and adding them to the [toctree](#) below. Use then [references](#) in order to link them from this page, e.g. [Contributors](#) and [Changelog](#).

It is also possible to refer to the documentation of other Python packages with the [Python domain syntax](#). By default you can reference the documentation of [Sphinx](#), [Python](#), [NumPy](#), [SciPy](#), [matplotlib](#), [Pandas](#), [Scikit-Learn](#). You can add more by extending the `intersphinx_mapping` in your Sphinx's `conf.py`.

The pretty useful extension [autodoc](#) is activated by default and lets you include documentation from docstrings. Docstrings can be written in [Google style](#) (recommended!), [NumPy style](#) and [classical style](#).

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### 1.1 loki-api-client

A simple python wrapper for the Loki HTTP API. Reference: <https://grafana.com/docs/loki/latest/api/#lokis-http-api>

#### 1.1.1 Making Changes & Contributing

This project uses `pre-commit`, please make sure to install it before making any changes:

```
pip install pre-commit
cd loki-api-client
pre-commit install
```

It is a good idea to update the hooks to the latest version:

```
pre-commit autoupdate
```

Don't forget to tell your contributors to also install and use pre-commit.

#### 1.1.2 Note

This project has been set up using PyScaffold 4.0.2. For details and usage information on PyScaffold see <https://pyscaffold.org/>.

### 1.2 License

The MIT License (MIT)

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## 1.3 Contributors

- Anand Sanmukhani <[asanmukh@redhat.com](mailto:asanmukh@redhat.com)>

## 1.4 Changelog

### 1.4.1 Version 0.1

- Feature A added
- FIX: nasty bug #1729 fixed
- add your changes here!

## 1.5 loki\_api\_client

### 1.5.1 loki\_api\_client package

#### Submodules

#### loki\_api\_client.loki\_connect module

A Class for collection of logs from a Loki host.

#### References

- <https://requests.readthedocs.io/>
- <https://grafana.com/docs/loki/latest/api/>

```
class loki_api_client.loki_connect.LokiConnect(url: str = 'http://127.0.0.1:3100', headers:
Optional[dict] = None, disable_ssl: bool = False,
retry: Optional[urllib3.util.retry.Retry] = None,
ignore_http_errors: bool = False)
```

Bases: `object`

A Class for collection of metrics from a Loki Host.

#### Parameters

- **url** (*str*) – url for the loki host
- **headers** (*dict*) – A dictionary of http headers to be used to communicate with the host.  
Example: {"Authorization": "bearer my\_oauth\_token\_to\_the\_host"}



- **disable\_ssl** (*bool*) – If set to True, will disable ssl certificate verification for the http requests made to the host
- **retry** (*Retry*) – Retry adapter to retry on HTTP errors

**query**(*query*: *str*, *limit*: *int* = 10, *time*: *Optional*[*str*] = None, *direction*: *str* = 'backward', *params*: *Optional*[*dict*] = None) → *dict*

Check if Loki host is ready to accept traffic. Ref: <https://grafana.com/docs/loki/latest/api/#query>

#### Parameters

- **query** (*str*) – The LogQL query to perform.
- **limit** (*int*) – The max number of entries to return.
- **time** (*str*) – The evaluation time for the query as a nanosecond Unix epoch. Defaults to now.
- **direction** (*str*) – Determines the sort order of logs. Supported values are “forward” or “backward”. Defaults to “backward”.
- **params** (*dict*) – Optional dictionary containing parameters to be sent along with the API request.

**Returns** A json of queried log data.

**Return type** *dict*

**ready**(*params*: *Optional*[*dict*] = None) → *bool*

Check if Loki host is ready to accept traffic. Ref: <https://grafana.com/docs/loki/latest/api/#get-ready>

**Parameters** **params** (*dict*) – Optional dictionary containing parameters to be sent along with the API request.

**Returns** True if the host is ready, False if the endpoint is not ready.

**Return type** *bool*

## Module contents



## INDICES AND TABLES

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- `modindex`
- `search`



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