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Request Headers#

The request headers plugin hooks allows plugin authors to add custom HTTP headers to HTTP requests within conda. This works by inserting these headers while preparing the [requests.PreparedRequest](https://docs.python-requests.org/en/latest/api/#requests.PreparedRequest) object when calling [requests.Session.request](https://docs.python-requests.org/en/latest/api/#requests.Session.request).

There are two hooks available for this purpose:

1. `conda_session_headers()`: This hook is used to define the custom headers that will be submitted with all HTTP requests (or a subset of hosts)

2. `conda_request_headers()`: This hook is used to define the custom headers that will be submitted with a specific HTTP request.

Warning

While the second hook (`conda_request_headers()`) can also create session

headers, it is recommended to use the first hook (`conda_session_headers()`)
for improved caching performance.

conda_request_headers(_host :
[str](https://docs.python.org/3/library/stdtypes.html#str "\(in Python
v3.13\)")_, _path : [str](https://docs.python.org/3/library/stdtypes.html#str
"\(in Python v3.13\)")_)#

Register new HTTP request headers

The example below defines how to add HTTP headers for all requests with the
hostname of `example.com` and a `path/to/endpoint.json` path.

Example:

```
from conda import plugins

HOSTS = {"example.com", "sub.example.com"}
ENDPOINT = "/path/to/endpoint.json"

@plugins.hookimpl
def conda_request_headers(host: str, path: str):
```

```
        if host in HOSTS and path == ENDPOINT:
            yield plugins.CondaRequestHeader(
                name="Example-Header",
                value="example",
            )
```

conda_session_headers(_host : [str](https://docs.python.org/3/library/stdtypes.html#str "\(in Python v3.13\)")_)#

Register new HTTP request headers

The example below defines how to add HTTP headers for all requests with the hostname of `example.com`.

Example:

```
    from conda import plugins

    HOSTS = {"example.com", "sub.example.com"}
```

```
    @plugins.hookimpl
    def conda_session_headers(host: str):
        if host in HOSTS:
            yield plugins.CondaRequestHeader(
                name="Example-Header",
                value="example",
            )
```

Both hook use the
[`CondaRequestHeader`](../api/conda/plugins/index.html#conda.plugins.CondaRequestHeader
"conda.plugins.CondaRequestHeader") class to define headers:

_class _CondaRequestHeader#

Define vendor specific headers to include HTTP requests

For details on how this is used, see `conda_request_headers()` and
`conda_session_headers()`.

Parameters:

* **name** \-- name of the header used in the HTTP request

  * **value** \-- value of the header used in the HTTP request

name#

value#

__On this page

  * `conda_request_headers()`
  * `conda_session_headers()`
  * `CondaRequestHeader`
    * `CondaRequestHeader.name`
    * `CondaRequestHeader.value`

[__Edit on GitHub](https://github.com/conda/conda/edit/main/docs/source/dev-guide/plugins/request_headers.rst)

[__Show Source](../../_sources/dev-guide/plugins/request_headers.rst.txt)

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[Analytics Dashboard __](https://docs-conda-io.goatcounter.com "Analytics Dashboard")

Built with the [PyData Sphinx Theme](https://pydata-sphinx-theme.readthedocs.io/en/stable/index.html) 0.15.4.