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* Auth Handlers

Auth Handlers#

The auth handlers plugin hook allows plugin authors to enable new modes of authentication within conda. Registered auth handlers will be available to configure on a per channel basis via the `channel_settings`` configuration option in the `.condarc`` file.

Auth handlers are subclasses of the

[`ChannelAuthBase``](../api/conda/plugins/types/index.html#conda.plugins.types.ChannelAuthBase "conda.plugins.types.ChannelAuthBase") class, which is itself a subclass of [`requests.auth.AuthBase`](https://docs.python-requests.org/en/latest/api/#requests.auth.AuthBase). The

[`ChannelAuthBase``](../api/conda/plugins/types/index.html#conda.plugins.types.ChannelAuthBase "conda.plugins.types.ChannelAuthBase") class adds an additional `channel_name`` property to the [`requests.auth.AuthBase`](https://docs.python-requests.org/en/latest/api/#requests.auth.AuthBase) class. This is necessary for appropriate handling of channel based authentication in conda.

For more information on how to implement your own auth handlers, please read the requests documentation on [Custom Authentication](https://docs.python-

requests.org/en/latest/user/advanced/#custom-authentication).

`_class _CondaAuthHandler#`

Return type to use when the defining the conda auth handlers hook.

Parameters:

* **name** -- Name (e.g., `basic-auth`). This name should be unique and only one may be registered at a time.

* **handler** -- Type that will be used as the authentication handler during network requests.

`handler#`

`name#`

`conda_auth_handlers()#`

Register a conda auth handler derived from the requests API.

This plugin hook allows attaching requests auth handler subclasses, e.g. when authenticating requests against individual channels hosted at HTTP/HTTPS services.

Example:

```
import os

from conda import plugins

from requests.auth import AuthBase


class EnvironmentHeaderAuth(AuthBase):

    def __init__(self, *args, **kwargs):

        self.username = os.environ["EXAMPLE_CONDA_AUTH_USERNAME"]

        self.password = os.environ["EXAMPLE_CONDA_AUTH_PASSWORD"]

    def __call__(self, request):

        request.headers["X-Username"] = self.username

        request.headers["X-Password"] = self.password

        return request
```

```
@plugins.hookimpl
def conda_auth_handlers():
    yield plugins.CondaAuthHandler(
        name="environment-header-auth",
        handler=EnvironmentHeaderAuth,
    )
```

__On this page

- * ``CondaAuthHandler``
- * ``CondaAuthHandler.handler``
- * ``CondaAuthHandler.name``
- * ``conda_auth_handlers()``

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

[[__Show Source](https://github.com/conda/conda/blob/main/docs/source/dev-guide/plugins/auth_handlers.rst.txt)](../../_sources/dev-guide/plugins/auth_handlers.rst.txt)

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