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`ftp`#

Defines FTP transport adapter for CondaSession (requests.Session).

Taken from requests-ftp ([Lukasa/requests-ftp](https://github.com/Lukasa/requests-ftp/blob/master/requests_ftp/ftp.py)).

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Classes#

`FTPAdapter`	A Requests Transport Adapter that handles FTP urls.

Functions#

`_new_makepasv`(self) |
---|---
`data_callback_factory`(variable) | Returns a callback suitable for use by the FTP library. This callback
`build_text_response`(request, data, code) | Build a response for textual data.
`build_binary_response`(request, data, code) | Build a response for data whose encoding is unknown.
`build_response`(request, data, code, encoding) | Builds a response object from the data returned by ftplib, using the
`get_status_code_from_code_response`(code) | Handle complicated code response, even multi-lines.

Attributes#

`_old_makepasv` |
---|---

_old_makepasv#

_new_makepasv(_self_)#

_class _FTPAdapter#

Bases: `conda.gateways.connection.BaseAdapter`

A Requests Transport Adapter that handles FTP urls.

send(_request_ , _** kwargs_)#

Sends a PreparedRequest object over FTP. Returns a response object.

close()#

Dispose of any internal state.

list(_path_ , _request_)#

Executes the FTP LIST command on the given path.

retr(_path_ , _request_)#

Executes the FTP RETR command on the given path.

nlst(_path_ , _request_)#

Executes the FTP NLST command on the given path.

get_username_password_from_header(_request_)#

Given a PreparedRequest object, reverse the process of adding HTTP Basic auth to obtain the username and password. Allows the FTP adapter to piggyback on the basic auth notation without changing the control flow.

get_host_and_path_from_url(_request_)#

Given a PreparedRequest object, split the URL in such a manner as to determine the host and the path. This is a separate method to wrap some of urlparse's craziness.

data_callback_factory(_variable_)#

Returns a callback suitable for use by the FTP library. This callback will repeatedly save data into the variable provided to this function. This variable should be a file-like structure.

build_text_response(_request_ , _data_ , _code_)#

Build a response for textual data.

build_binary_response(_request_ , _data_ , _code_)#

Build a response for data whose encoding is unknown.

build_response(_request_ , _data_ , _code_ , _encoding_)#

Builds a response object from the data returned by ftplib, using the specified encoding.

get_status_code_from_code_response(_code_)#

Handle complicated code response, even multi-lines.

We get the status code in two ways: \- extracting the code from the last valid line in the response \- getting it from the 3 first digits in the code After a comparison between the two values, we can safely set the code or raise a warning. .. rubric:: Examples

* get_status_code_from_code_response('200 Welcome') == 200

* multi_line_code = '226-File successfully transferredn226 0.000 seconds' get_status_code_from_code_response(multi_line_code) == 226

* multi_line_with_code_conflicts = '200-File successfully transferredn226 0.000 seconds' get_status_code_from_code_response(multi_line_with_code_conflicts) == 226

For more detail see RFC 959, page 36, on multi-line responses:

<https://www.ietf.org/rfc/rfc959.txt> "Thus the format for multi-line replies

is that the first line

> will begin with the exact required reply code, followed immediately by a
> Hyphen, "-" (also known as Minus), followed by text. The last line will
> begin with the same code, followed immediately by Space <SP>, optionally
> some text, and the Telnet end-of-line code."

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[__Edit on GitHub](https://github.com/conda/conda/edit/main/docs/source/dev-guide/api/conda/gateways/connection/adapters/ftp/index.rst)

[__Show Source](../../../../../../../_sources/dev-guide/api/conda/gateways/connection/adapters/ftp/index.rst.txt)

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Created using [Sphinx](https://www.sphinx-doc.org/) 7.4.7.

[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.