pip hash

Usage

```
python -m pip hash [options] <file> ...
```

Description

Compute a hash of a local package archive.

These can be used with --hash in a requirements file to do repeatable installs.

Overview

`pip hash` is a convenient way to get a hash digest for use with [Hash-checking Mode](), especially for packages with multiple archives. The error message from `pip install --require-hashes ...` will give you one hash, but, if there are multiple archives (like source and binary ones), you will need to manually download and compute a hash for the others. Otherwise, a spurious hash mismatch could occur when [pip install]() is passed a different set of options, like [--no-binary]().

Options

-a, **--algorithm** `<algorithm>`

   The hash algorithm to use: one of sha256, sha384, sha512

   (environment variable: `PIP_ALGORITHM`)

Example

Compute the hash of a downloaded archive:

Unix/macOS   Windows

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```
$ python -m pip download SomePackage
Collecting SomePackage
    Downloading SomePackage-2.2.tar.gz
    Saved ./pip_downloads/SomePackage-2.2.tar.gz
Successfully downloaded SomePackage
$ python -m pip hash ./pip_downloads/SomePackage-2.2.tar.gz
./pip_downloads/SomePackage-2.2.tar.gz:
--hash=sha256:93e62e05c7ad3da1a233def6731e8285156701e3419a5fe279017c429ec67ce0
```