21.9. urllib.error — Exception classes raised by urllib.request

The urllib.error module defines the exception classes for exceptions raised by urllib.request. The base exception class is URLETTOR.

The following exceptions are raised by urllib.error as appropriate:

exception urllib.error. URLError

The handlers raise this exception (or derived exceptions) when they run into a problem. It is a subclass of OSError.

reason ¶

The reason for this error. It can be a message string or another exception instance

Changed in version 3.3: URLETTOT has been made a subclass of OSETTOT instead of IOETTOT.

exception urllib.error. HTTPError

Though being an exception (a subclass of URLETTOT), an HTTPETTOT can also function as a non-exceptional file-like return value (the same thing that urlopen() returns). This is useful when handling exotic HTTP errors, such as requests for authentication.

code

An HTTP status code as defined in RFC 2616. This numeric value corresponds to a value found in the dictionary of codes as found in <a href="http://example.com/http:/

reason

This is usually a string explaining the reason for this error.

exception urllib.error.ContentTooShortError(msg, content)

This exception is raised when the <code>urlretrieve()</code> function detects that the amount of the downloaded data is less than the expected amount (given by the *Content-Length* header). The <code>content</code> attribute stores the downloaded (and supposedly truncated) data.