Old Buffer Protocol

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\(cpython-main)(Doc)(c-api)objbuffer.rst, line 1)

Unknown directive type "highlight".

```
.. highlight:: c
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\(cpython-main)(Doc)(c-api)objbuffer.rst, line 6)

Unknown directive type "deprecated".

```
.. deprecated:: 3.0
```

These functions were part of the "old buffer protocol" API in Python 2. In Python 3, this protocol doesn't exist anymore but the functions are still exposed to ease porting 2.x code. They act as a compatibility wrapper around the :ref:`new buffer protocol <bufferobjects>`, but they don't give you control over the lifetime of the resources acquired when a buffer is exported.

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Unknown interpreted text role "ref".

Therefore, it is recommended that you call :c:func:`PyObject_GetBuffer` (or the `y*` or `w*` :ref:`format codes <arg-parsing>` with the :c:func:`PyArg_ParseTuple` family of functions) to get a buffer view over an object, and :c:func:`PyBuffer_Release` when the buffer view can be released.

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Unknown interpreted text role "c:func".

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Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\(cpython-main)(Doc)(c-api)objbuffer.rst, line 15); *backlink*

Unknown interpreted text role "c:func".

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Unknown interpreted text role "c:func".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\(cpython-main)(Doc)(c-api)objbuffer.rst, line 21)

Unknown directive type "c:function".

```
.. c:function:: int PyObject_AsCharBuffer(PyObject *obj, const char **buffer, Py_ssize_t *buffer_le

   Returns a pointer to a read-only memory location usable as character-based
   input.  The *obj* argument must support the single-segment character buffer
   interface.  On success, returns ``0``, sets *buffer* to the memory location
   and *buffer_len* to the buffer length.  Returns ``-1`` and sets a
   :exc:`TypeError` on error.
```

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Unknown directive type "c:function".

```
.. c:function:: int PyObject_AsReadBuffer(PyObject *obj, const void **buffer, Py_ssize_t *buffer_le

   Returns a pointer to a read-only memory location containing arbitrary data.
   The *obj* argument must support the single-segment readable buffer
   interface.  On success, returns ``0``, sets *buffer* to the memory location
   and *buffer_len* to the buffer length.  Returns ``-1`` and sets a
   :exc:`TypeError` on error.
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\c-api\(cpython-main)(Doc)(c-api)objbuffer.rst, line 39)

Unknown directive type "c:function".

```
.. c:function:: int PyObject_CheckReadBuffer(PyObject *o)

   Returns ``1`` if *o* supports the single-segment readable buffer interface.
   Otherwise returns ``0``.  This function always succeeds.

   Note that this function tries to get and release a buffer, and exceptions
   which occur while calling corresponding functions will get suppressed.
   To get error reporting use :c:func:`PyObject_GetBuffer()` instead.
```

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Unknown directive type "c:function".

```
.. c:function:: int PyObject_AsWriteBuffer(PyObject *obj, void **buffer, Py_ssize_t *buffer_len)

   Returns a pointer to a writable memory location.  The *obj* argument must
   support the single-segment, character buffer interface.  On success,
   returns ``0``, sets *buffer* to the memory location and *buffer_len* to the
   buffer length.  Returns ``-1`` and sets a :exc:`TypeError` on error.
```