

:c:type: `uv_async_t` --- Async handle

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\node-master\deps\uv\docs\src\[node-master][deps][uv][docs][src]async.rst, line 4); [backlink](#)
Unknown interpreted text role "c:type".

Async handles allow the user to "wakeup" the event loop and get a callback called from another thread.

Data types

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\node-master\deps\uv\docs\src\[node-master][deps][uv][docs][src]async.rst, line 14)
Unknown directive type "c:type".

```
.. c:type:: uv_async_t

    Async handle type.
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\node-master\deps\uv\docs\src\[node-master][deps][uv][docs][src]async.rst, line 18)
Unknown directive type "c:type".

```
.. c:type:: void (*uv_async_cb) (uv_async_t* handle)

    Type definition for callback passed to :c:func:`uv_async_init`.
```

Public members

N/A

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Unknown directive type "seealso".

```
.. seealso:: The :c:type:`uv_handle_t` members also apply.
```

API

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\node-master\deps\uv\docs\src\[node-master][deps][uv][docs][src]async.rst, line 34)
Unknown directive type "c:function".

```
.. c:function:: int uv_async_init(uv_loop_t* loop, uv_async_t* async, uv_async_cb async_cb)

    Initialize the handle. A NULL callback is allowed.

    :returns: 0 on success, or an error code < 0 on failure.

    .. note::
        Unlike other handle initialization functions, it immediately starts the handle.
```

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Unknown directive type "c:function".

```
.. c:function:: int uv_async_send(uv_async_t* async)

    Wake up the event loop and call the async handle's callback.

    :returns: 0 on success, or an error code < 0 on failure.

    .. note::
        It's safe to call this function from any thread. The callback will be called on the
        loop thread.

    .. note::
        :c:func:`uv_async_send` is `async-signal-safe` <https://man7.org/linux/man-pages/man7/signal-safety>.
        It's safe to call this function from a signal handler.

    .. warning::
        libuv will coalesce calls to :c:func:`uv_async_send`, that is, not every call to it will
        yield an execution of the callback. For example: if :c:func:`uv_async_send` is called 5
```

times in a row before the callback is called, the callback will only be called once. If
:c:func:`uv_async_send` is called again after the callback was called, it will be called
again.

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Unknown directive type "seealso".

.. seealso::

The :c:type:`uv_handle_t` API functions also apply.