# Shared library handling

libuv provides cross platform utilities for loading shared libraries and retrieving symbols from them, using the following API.

## Data types

**System Message: ERROR/3 (**D:\onboarding-resources\sample-onboarding-resources\node-master\deps\uv\docs\src\[node-master][deps][uv][docs][src]dll.rst, **line 14)**

Unknown directive type "c:type".

```
.. c:type:: uv_lib_t

    Shared library data type.
```

## Public members

N/A

## API

**System Message: ERROR/3 (**D:\onboarding-resources\sample-onboarding-resources\node-master\deps\uv\docs\src\[node-master][deps][uv][docs][src]dll.rst, **line 28)**

Unknown directive type "c:function".

```
.. c:function:: int uv_dlopen(const char* filename, uv_lib_t* lib)

    Opens a shared library. The filename is in utf-8. Returns 0 on success and
    -1 on error. Call :c:func:`uv_dlerror` to get the error message.
```

**System Message: ERROR/3 (**D:\onboarding-resources\sample-onboarding-resources\node-master\deps\uv\docs\src\[node-master][deps][uv][docs][src]dll.rst, **line 33)**

Unknown directive type "c:function".

```
.. c:function:: void uv_dlclose(uv_lib_t* lib)

    Close the shared library.
```

**System Message: ERROR/3 (**D:\onboarding-resources\sample-onboarding-resources\node-master\deps\uv\docs\src\[node-master][deps][uv][docs][src]dll.rst, **line 37)**

Unknown directive type "c:function".

```
.. c:function:: int uv_dlsym(uv_lib_t* lib, const char* name, void** ptr)

    Retrieves a data pointer from a dynamic library. It is legal for a symbol
    to map to NULL. Returns 0 on success and -1 if the symbol was not found.
```

**System Message: ERROR/3 (**D:\onboarding-resources\sample-onboarding-resources\node-master\deps\uv\docs\src\[node-master][deps][uv][docs][src]dll.rst, **line 42)**

Unknown directive type "c:function".

```
.. c:function:: const char* uv_dlerror(const uv_lib_t* lib)

    Returns the last uv_dlopen() or uv_dlsym() error message.
```