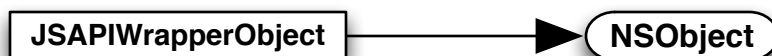


# JSAPIWrapperObject

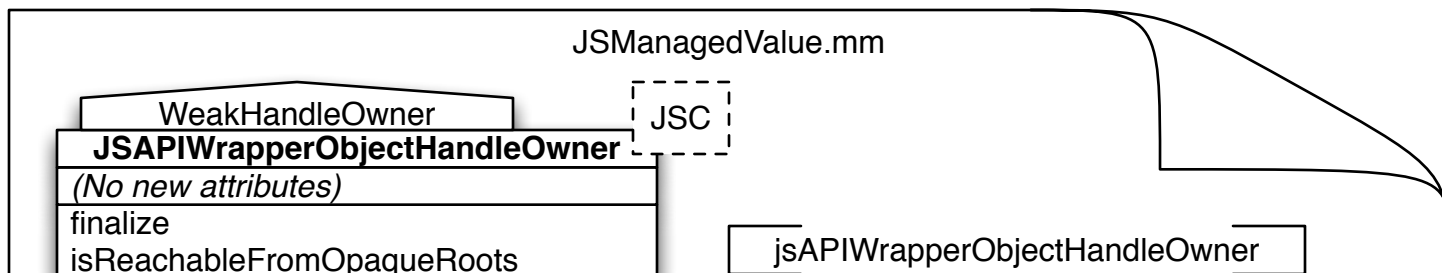
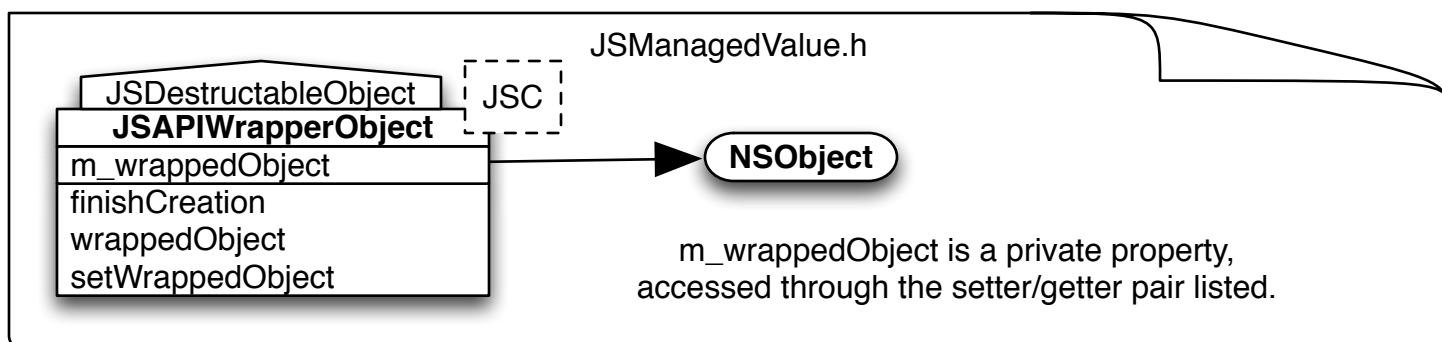
JSAPIWrapperObject is a class of JSObject designed to retain and wrapper a native object. It is created and used by JSWrapperMap. In order to work in pure C++ environments, the native object is held in a void\* pointer, but is always treated as a native object internally.

## Usage

JSAPIWrapperObject is a private class that is generated and organized by JSWrapperMap. It has one getter/setter pair of wrappedObject.



## Diagram



Not shown is template specialization for JSCallbackObject<JSAPIWrapperObject>, to define class constants and the createStructure function for proper JSAPIWrapperObject handling.

JSAPIWrapper's functions are defined here, including the not shown static function visitChildren. These override the standard JSDestructableObject functions.

In finishCreation, a weak relationship to the JSAPIWrapperObject is created using the class and function JSAPIWrapperObjectHandleOwner. This weak pointer, on finalization, will trigger the release of the wrappedObject.

VisitChildren performs object graph traversal for GC by extracting the vm, the native object, and calling the scanExternalObjectGraph function defined in JSVirtualMachine.mm