

# NSAssertionHandler

**Inherits From:** NSObject

**Declared In:** foundation/NSException.h

## Class Description

Assertion failures offer a convenient way to check for assertions. The `NSAssertionHandler` class manages assertion failures. Each thread has its own assertion-handler object, which usually work in coordination with a group of assertion macros. These macros evaluate a condition and, if the condition evaluates to false, call the assertion handler for the current thread, passing it a format string and a variable number of arguments.

The assertion macros come in two sorts, some for Objective-C methods and others for C functions. Two methods of `NSAssertionHandler` mirror this division;

**`handleFailureInMethod:object:file:lineNumber:description:`** is used for assertion failures occurring within methods, while

**`handleFailureInFunction:file:lineNumber:description`** handles assertion failures occurring in C functions. Both methods begin by logging an error message with `NSLog()`; the only difference in the message is method selector and object

(**`handleFailureInMethod:...`**), and function name (**`handleFailureInFunction:...`**). Then both methods raise an exception of **`NSInternalInconsistencyException`**.

Usually for assertions, you need only use the assertion macros `NSAssert()`, `NSCAssert()`, and other related macros, which incorporate the appropriate `NSAssertionHandler` methods.

## Instance Variables

None declared in this class.

## Method Types

Getting the thread's handler      + currentHandler

