

# Introduction

The Objective-C language defers as many decisions as it can from compile time and link time to runtime. Whenever possible, it does things dynamically. This means that the language requires not just a compiler, but also a [runtime system to execute the compiled code](#). The runtime system acts as a kind of operating system for the Objective-C language; it's what makes the language work.

This document looks at the `NSObject` class and how Objective-C programs interact with the runtime system. In particular, it examines the paradigms for dynamically [loading new classes at runtime](#), and [forwarding messages to other objects](#). It also provides information about how you can [find information about objects while your program is running](#).

You should read this document to gain an understanding of how the Objective-C runtime system works and how you can take advantage of it. Typically, though, there should be little reason for you to need to know and understand this material to write a Cocoa application.

## Organization of This Document

This document has the following chapters:

- Runtime Versions and Platforms
- Interacting with the Runtime
- Messaging
- Dynamic Method Resolution
- Message Forwarding
- Type Encodings
- Declared Properties

## See Also

*Objective-C Runtime Reference* describes the [data structures and functions of the Objective-C runtime support library](#). Your programs can use these interfaces to interact with the Objective-C runtime system. For example, [you can add classes or methods, or obtain a list of all class definitions for loaded classes](#).

*Programming with Objective-C* describes the Objective-C language.

*Objective-C Release Notes* describes some of the changes in the Objective-C runtime in recent releases of OS X.