

[Foundation](#) / Notifications

API Collection

# Notifications

Design patterns for broadcasting information and for subscribing to broadcasts.

## Topics

### Key-Value Observing

 `NSKeyValueObserving`

An informal protocol that objects adopt to be notified of changes to the specified properties of other objects.

### Notifications

`struct Notification`

A container for information broadcast through a notification center to all registered observers.

`class NotificationCenter`

A notification dispatch mechanism that enables the broadcast of information to registered observers.

`class NotificationQueue`

A notification center buffer.

### Cross-Process Notifications

`class DistributedNotificationCenter`

A notification dispatch mechanism that enables the broadcast of notifications across task boundaries.

## See Also

### App Support

#### ☰ Task Management

Manage your app's work and how it interacts with system services like Handoff and Shortcuts.

#### ☰ Resources

Access assets and other data bundled with your app.

#### ☰ App Extension Support

Manage the interaction between an app extension and its hosting app.

#### ☰ Errors and Exceptions

Respond to problem situations in your interactions with APIs, and fine-tune your app for better debugging.

#### ☰ Scripting Support

Allow users to control your app with AppleScript and other automation technologies, or run scripts from within your app.