# <https://developer.apple.com/documentation/corenfc/nfctagreadersession>NFCTagReaderSession

A reader session for detecting ISO7816, ISO15693, FeliCa, and MIFARE tags.

* Include the [Near Field Communication Tag Reader Session Formats Entitlement](https://developer.apple.com/documentation/bundleresources/entitlements/com_apple_developer_nfc_readersession_formats) in your app.
* Provide a non-empty string for the [NFCReaderUsageDescription](https://developer.apple.com/documentation/bundleresources/information_property_list/nfcreaderusagedescription) key in your app’s info.plist file.

Methods -

[init?(pollingOption: NFCTagReaderSession.PollingOption, delegate: NFCTagReaderSessionDelegate, queue: DispatchQueue?)](https://developer.apple.com/documentation/corenfc/nfctagreadersession/3281998-init)

Parameters

**pollingOption**

One or more options specifying the type of tags that the reader session scans for and detects.

**Delegate**

An object that handles callbacks from the reader session.

**Queue**

A dispatch queue that the reader session uses when making callbacks to the delegate. When queue is nil, the session creates and uses a serial dispatch queue.

## Return Value

A newly initialized NFC tag reader session; otherwise, nil if the polling option is zero or empty, or when system memory resources are unavailable.

Struct -

[struct NFCTagReaderSession.PollingOption](https://developer.apple.com/documentation/corenfc/nfctagreadersession/pollingoption)

[static var iso14443: NFCTagReaderSession.PollingOption](https://developer.apple.com/documentation/corenfc/nfctagreadersession/pollingoption/3043850-iso14443)

The option for detecting ISO 7816-compatible and MIFARE tags.

[static var iso15693: NFCTagReaderSession.PollingOption](https://developer.apple.com/documentation/corenfc/nfctagreadersession/pollingoption/3043851-iso15693)

The option for detecting ISO 15693 tags.

[static var iso18092: NFCTagReaderSession.PollingOption](https://developer.apple.com/documentation/corenfc/nfctagreadersession/pollingoption/3043852-iso18092)

The option for detecting FeliCa tags.

### Initializers

[init(rawValue: Int)](https://developer.apple.com/documentation/corenfc/nfctagreadersession/pollingoption/3044249-init)

Protocol -

[protocol NFCTagReaderSessionDelegate](https://developer.apple.com/documentation/corenfc/nfctagreadersessiondelegate)

For handling session activation -

[func tagReaderSessionDidBecomeActive(NFCTagReaderSession)](https://developer.apple.com/documentation/corenfc/nfctagreadersessiondelegate/3282002-tagreadersessiondidbecomeactive)

Tells the delegate that the reader session is active.

**Required.**

To find NFC tag -

 [func tagReaderSession(NFCTagReaderSession, didDetect: [NFCTag])](https://developer.apple.com/documentation/corenfc/nfctagreadersessiondelegate/3282000-tagreadersession)

Tells the delegate that the session detected NFC tags.

**Required.**

Handling an invalidated session -

[func tagReaderSession(NFCTagReaderSession, didInvalidateWithError: Error)](https://developer.apple.com/documentation/corenfc/nfctagreadersessiondelegate/3282001-tagreadersession)

Tells the delegate the reason for invalidating a reader session.

**Required.**

[var connectedTag: NFCTag?](https://developer.apple.com/documentation/corenfc/nfctagreadersession/3281997-connectedtag)

The tag connected to the reader session.

to restart the polling sequence -

[func restartPolling()](https://developer.apple.com/documentation/corenfc/nfctagreadersession/3043857-restartpolling)

Restarts the polling sequence so the reader session can discover new tags.

After restarting the polling sequence, the reader session sends newly detected tags to the session’s delegate method [tagReaderSession(\_:didDetect:)](https://developer.apple.com/documentation/corenfc/nfctagreadersessiondelegate/3075577-tagreadersession).

Calling restartPolling() on an invalidated session has no effect. If you need to restart the reader session, create a new [NFCTagReaderSession](https://developer.apple.com/documentation/corenfc/nfctagreadersession).