


# PDF for iOS

The **PDF for iOS** provides a seamless interface for viewing and interacting with PDF documents using native iOS integration. It consists of two key components:

- **PDFInstance** : A class for managing individual PDF views with extensive control over their appearance and behavior.
- **PDFViewer** : A static class for quick PDF viewing with additional features like saving and sharing documents.

## PDFInstance

| Member  | Description   |
|---|---|
| SetDocumentFromPath(string filePath)                                  | Loads a PDF document from the specified file path.  |
| SetDocumentFromBytes(byte[] pdfBytes)                                 | Loads a PDF document from a byte array.   |
| SetDocumentFromUrlAsync(string url)                                   | Asynchronously loads a PDF document from the specified URL.   |
| SetScrollDirection(bool isVertical, bool continuous)                  | Sets the scrolling direction (vertical or horizontal) and continuous display mode. <b>Continuous display mode</b> allows smooth scrolling between pages without snapping to individual pages. |
| SetFrame(Rect frame)  | Configures the frame for the PDF viewer in screen coordinates.  |
| SetScale(bool autoScales, float minScaleFactor, float maxScaleFactor) | Configures the scaling behavior for the PDF viewer. <b>Auto scale</b> automatically adjusts the PDF to fit the viewer frame based on the screen size.   |
| AutoFitAndLockScale()   | Automatically fits the PDF to the screen size and locks the scale.  |
| SetScrollBarsEnabled(bool enabled)                                    | Toggles the visibility of scroll bars.  |
| SetUserInteractionEnabled(bool enabled)                               | Enables or disables user interactions in the PDF viewer.  |
| SetPageShadowsEnabled(bool enabled)                                   | Enables or disables shadows for PDF pages.  |
| SetFullScreen()   | Sets the PDF viewer to full screen mode.  |
| Show()  | Displays the PDF viewer.  |
| Hide()  | Hides the PDF viewer.   |
| int GetCurrentPageNumber()  | Retrieves the current page number being displayed.  |
| int GetTotalPageCount()   | Retrieves the total number of pages in the PDF document.  |
| string GetTextFromPage(int pageNumber)                                | Extracts text from the specified page.  |
| GoToPage(int pageNumber)  | Navigates to a specific page in the PDF document.   |

 It is crucial to call the `Dispose` method on a `PDFInstance` when it is no longer needed to release unmanaged resources and avoid potential memory leaks. Neglecting to do so may result in poor application performance or unexpected behavior.

## PDFViewer

| Member  | Description   |
|---|---|
| <code>bool</code> <code>IsPlatformSupported</code>                    | Indicates whether the platform supports PDF functionality.  |
| <code>OpenFromUrlAsync(string url, string name, bool animated)</code> | Asynchronously opens a PDF document from a URL. Displays a quick view with options to share or save the file. Allow to enable smooth animation.   |
| <code>OpenFromPath(string filePath, bool animated)</code>             | Opens a PDF document from a file pat. Displays a quick view with options to share or save the file. Allow to enable smooth animation.   |
| <code>OpenFromBytes(byte[] bytes, string name, bool animated)</code>  | Opens a PDF document from a byte array. Displays a quick view with options to share or save the file. Allow to enable smooth animation.<br>Name is the title in the PDFViewer and the file name when sharing or saving the PDF. |

### Example

```
1 // Example with PDFInstance
2 var pdfInstance = new PDFInstance();
3 pdfInstance.SetDocumentFromPath("path/to/document.pdf");
4 pdfInstance.SetFrame(new Rect(0, 0, 1024, 768));
5 pdfInstance.SetScrollDirection(true, true);
6 pdfInstance.Show();
7
8 // Example with PDFViewer
9 bool success = await PDFViewer.OpenFromUrlAsync("https://example.com/document.pdf", "Document Title", true);
10 if (success)
11     Debug.Log("PDF opened successfully.");
```