

Encryption and Access Privileges

PDF specification allow you to encrypt the PDF file and require a password when opening the file, and/or set permissions of what users can do with the PDF file. PDFKit implements standard security handler in PDF version 1.3 (40-bit RC4), version 1.4 (128-bit RC4), PDF version 1.7 (128-bit AES), and PDF version 1.7 ExtensionLevel 3 (256-bit AES).

To enable encryption, provide a user password when creating the **PDFDocument** in **options** object. The PDF file will be encrypted when a user password is provided, and users will be prompted to enter the password to decrypt the file when opening it.

userPassword - the user password (string value)

To set access privileges for the PDF file, you need to provide an owner password and permission settings in the **option** object when creating **PDFDocument**. By default, all operations are disallowed. You need to explicitly allow certain operations.

ownerPassword - the owner password (string value)

permissions - the object specifying PDF file permissions

Following settings are allowed in **permissions** object:

printing - whether printing is allowed. Specify **"lowResolution"** to allow degraded printing, or **"highResolution"** to allow printing with high resolution

modifying - whether modifying the file is allowed. Specify **true** to allow modifying document content

copying - whether copying text or graphics is allowed. Specify **true** to allow copying

annotating - whether annotating, form filling is allowed. Specify **true** to allow annotating and form filling

fillingForms - whether form filling and signing is allowed. Specify **true** to allow filling in form fields and signing

contentAccessibility - whether copying text for accessibility is allowed. Specify **true** to allow copying for accessibility

documentAssembly - whether assembling document is allowed. Specify **true** to allow document assembly

You can specify either user password, owner password or both passwords. Behavior differs according to passwords you provides:

When only user password is provided, users with user password are able to decrypt the file and have full access to the document.

When only owner password is provided, users are able to decrypt and open the document without providing any password, but the access is limited to those operations explicitly permitted. Users with owner password have full access to the document.

When both passwords are provided, users with user password are able to decrypt the file but only have limited access to the file according to permission settings. Users with owner