



**International Federation of Consulting Engineers**  
The Global Voice of Consulting Engineers

# ENCRYPTION SOFTWARE INSTALLATION GUIDE

ELECTRONIC PUBLICATIONS | PRACTITIONER VERSION  
DIGITAL RIGHTS MANAGEMENT

12<sup>th</sup> July 2021



## Contents

FIDIC Electronic Documents   Package Contents Explained .....	2
Encryption   Digital Rights Management Protection .....	2
FileOpen   How to Install.....	3
FileOpen   Frequently Asked Questions.....	4
FileOpen   Removing / Uninstalling from your computer .....	6

## FIDIC Electronic Documents | Package Contents Explained

After the successful purchase of a FIDIC Electronic document you will be able to download an archive from your account which may look similar to this:

Order 81415 - Download all electronic books Windows / MAC																				
Product	Title	Format	Access informations	Download																
	Construction Contract 2 nd Ed (2017 Red Book) electronic version in encrypted PDF	Electronic	<table border="1"><thead><tr><th>Company</th><th>Contact</th></tr></thead><tbody><tr><td>Time left to download:</td><td>364 days</td></tr><tr><td>Download expire date:</td><td>9 July, 2022 - 00:00</td></tr><tr><td>Concurrent users purchased:</td><td>5</td></tr><tr><td>Concurrent users active:</td><td>0</td></tr><tr><td>Concurrent users left:</td><td>5</td></tr><tr><td>Time left to print:</td><td>364 days</td></tr><tr><td>Print expiry date:</td><td>9 July, 2022 - 00:00</td></tr></tbody></table>	Company	Contact	Time left to download:	364 days	Download expire date:	9 July, 2022 - 00:00	Concurrent users purchased:	5	Concurrent users active:	0	Concurrent users left:	5	Time left to print:	364 days	Print expiry date:	9 July, 2022 - 00:00	Download: Windows / MAC
Company	Contact																			
Time left to download:	364 days																			
Download expire date:	9 July, 2022 - 00:00																			
Concurrent users purchased:	5																			
Concurrent users active:	0																			
Concurrent users left:	5																			
Time left to print:	364 days																			
Print expiry date:	9 July, 2022 - 00:00																			

The archive will contain a set of files with this overall structure:

Name	Date modified	Type	Size
 PUBLIC	09/07/2021 16:10	File folder	
 cons2_a_enc	09/07/2021 16:09	Adobe Acrobat Docu...	533 KB
 cons2_errata	09/07/2021 16:09	Adobe Acrobat Docu...	47 KB
 FIDIC Copyright and Terms of Use of FIDIC Documents_2021	09/07/2021 16:09	Adobe Acrobat Docu...	169 KB
 FIDIC DRM Installation Guide (PDF + simplified text version)	09/07/2021 16:09	Adobe Acrobat Docu...	213 KB

## Encryption | Digital Rights Management Protection

All the files marked with `_enc` in their name are encrypted files. (`enc` = encrypted). FIDIC uses a 3<sup>rd</sup> party software to protect the usage of its electronic documents via a set of tools referred as DRM (Digital Rights Management). FIDIC Official DRM provider is FileOpen Systems.

FileOpen Systems provides a set of free plug-ins and viewers that can be used to access documents encrypted with the FileOpen software. These include plug-ins for Adobe Acrobat™ and Reader™, and standalone viewers for handheld platforms.

You need to install the FileOpen plugin to access all files marked as `_enc`. Note that installation of the FileOpen Client software is not sufficient to enable opening of documents, the publisher's permission is also required, but this has been dealt with in the purchase transaction when you acquired specific rights to open a document on one or more computers, for a specific period of time, for a specific number of concurrent users and with various print permissions.

# FileOpen | How to Install

In order to install FileOpen you have to go to this page

<https://plugin.fileopen.com/all.aspx>

The page looks like this and you will need to download the installer which applies to your type of operating system.

The screenshot shows the FileOpen Systems website with a navigation menu (Installers, FAQ, Removal, Contact Us) and a main heading "FileOpen Client Installers". Below this, there is a detailed introduction about the software and a disclaimer. The page is divided into five sections, each with an icon and a title:

- FileOpen Plug-in Installers for Windows:** Lists three installers (Exe, 64bit MSI, 32bit MSI) and provides advice on which to choose based on the user's system and deployment needs. System requirements include Windows 7 or later and Adobe Reader/Adobe Acrobat 9.0 or later.
- FileOpen Plug-in Installer for Macintosh:** Lists a Mac OS 10.9+ installer. System requirements include Mac OS X 10.9 or above and Adobe Reader/Adobe Acrobat 9.0 or later.
- FileOpen Viewer for iOS:** Lists the FileOpen Viewer for iOS app. System requirements include iPad, iPhone, iPod Touch, and iOS 4.0 or later.
- FileOpen Viewer for Android:** Lists the FileOpen Viewer for Android app. System requirements include Android 2.2+.
- FileOpen Plug-in Installer for Linux:** Lists a Gzipped Tar Archive. System requirements include Linux Kernel 1.4 or later and Adobe Reader/Adobe Acrobat 7.0 or 8.0 only.

At the bottom, there is an Adobe Solutions Network logo and a statement: "FileOpen Systems has been a licensed Adobe Security Partner since 1997." The footer contains contact information and a copyright notice for FileOpen Systems Inc. (1997-2021).

You have to download the installer fit for your operating system and then install the FileOpen software like you would do with any software on your computer (EXE file for Windows system and DMG files for Mac systems).

Typically, Windows users must have PowerUser (or Administrator) privileges to run the installer, though all that is really required is write-permission to the Acrobat plug-ins folder. Encrypted files are supplied on condition that users undertake best effort to install using full local administrator rights for the FileOpen installer. This is required in order to protect FIDIC's Intellectual Property in an effective way.

After the successful installation of FileOpen you can go an open the encrypted files. (files with ENC termination). Access rights for the encrypted PDF document are automatically installed on the user's computer when the document is opened while the user is online.

## FileOpen | Frequently Asked Questions

### Who is FileOpen Systems?

FileOpen Systems is a software development company based in Santa Cruz, California. They are an Adobe Systems Security Partner.

### What does the FileOpen PDF Plug-in do?

This plug-in is required to open PDF files encrypted by FileOpen rights management software, and is authorized by Adobe Systems to load in Adobe Acrobat and the free Adobe Reader. The plug-in manages the open and print commands in the Adobe Reader according to the access controls set by the publisher. Any access controls on the encrypted files have been placed there at the discretion of the document publisher. The plug-in alone will not grant access to encrypted files; you must follow the publishers' instructions for obtaining access.

### What does the FileOpen software not do?

The plug-in alone will not grant access to encrypted files; you must follow the publishers' instructions for obtaining access. Please contact the document publisher (FIDIC), not FileOpen Systems, for permission or any technical support required.

### What is the FileOpen PDF plug-in?

The plug-in package consists of the FileOpen.api Acrobat/Adobe Reader plug-in, and an optional companion plug-in, fowp4kbd.api. The main plug-in, FileOpen.api, must be installed to open encrypted documents. The companion, fowp4kbd.api, which restricts the taking of screenshots, is optional though some publishers may refuse to grant permission to open files if this plug-in is not installed.

In some instances, under Windows, the installer will also deposit a program in the system tray called FileOpen Certification Manager. This program manages the transition in and out of an Adobe viewer state called Certified Mode, and should only be installed on systems that have a copy of Acrobat/Reader 7 or lower and have installed at least one Adobe eBook; you can delete this program by clicking on its taskbar appearance and selecting Uninstall.

### Where does the FileOpen software get installed?

Adobe Acrobat loads plug-ins at application startup from a pre-defined directory, so the FileOpen.api plug-in has to be copied to that directory. By default, on Windows, the directory is:

```
C:\ProgramFiles\Adobe\Acrobat | Reader<version>\plug_ins
```

On Macintosh the plug-in is difficult to find, as it becomes part of the "packaged" Acrobat/Reader application, but you can find a link to it by selecting the launch icon for the Adobe viewer and clicking Apple+I then finding the drop down for Plug-ins. From here you should FileOpen<ver>.acroplugin. You can also add/delete the plug-in from this menu.

Locations on Linux may be obtained by searching for "FileOpen".

### How does the FileOpen software get installed?

FileOpen Systems provides installer programs that detect the location of the installed copy of Acrobat and copy the plug-in(s) to that location. We provide these installers to our customers, who are free to distribute them to end users. We also maintain <https://plugin.fileopen.com/> - an installer on our website to which publishers may refer their users.

**Which privileges are required for the install?**

Typically, Windows users must have **PowerUser** (or **Administrator**) privileges to run the installer, though all that is really required is write-permission to the Acrobat plug-ins folder.

**What if I don't want to run the installer?**

The operation of the plug-in is identical whether it is placed into the Acrobat plug-ins folder location by the installer or via a manual operation. If you don't want to run the .exe or Java or ActiveX installer, you can get the plug-in from here and copy it to the location given above.

**Once installed, when does the plug-in load?**

FileOpen.api is loaded by Acrobat or Adobe Reader at application startup, i.e. when you load Acrobat/Reader, it loads the plug-in. However, the plug-in is invoked only when a document calls for it (i.e. if you do not attempt to open any encrypted content, the FileOpen.api is inactive). In short, the plug-in does nothing unless a document encrypted by a publisher using the system is open.

**Once installed, what does the plug-in actually do?**

When a user attempts to open a document encrypted by a publisher using FileOpen's software, the client reads information from the encrypted document and performs the following steps:

1. Obtains information about the document being opened and the publisher's authentication requirements, from the document. Depending on those publisher requirements, the plug-in then retrieves one or more of the following authentication tokens from the local machine context.
  - a. A cookie from the user's login to the publisher's server.
  - b. A username and password from a dialog presented to the user.
  - c. A MachineID from the local context.
2. Makes a request over http/https to the publisher's server, passing the document identifier, authentication token, and some data about the context in which the document is being opened.
3. Retrieves a response from the publisher's server either granting or denying the user permission to open the document.
4. Manages the use of that document according to the instructions given by the publisher's server.

**Which operating systems are supported?**

The FileOpen Client will work on Windows 7 or later, Macintosh OSX, iOS, Android and Linux.

## FileOpen | Removing / Uninstalling from your computer

FileOpen Systems distributes a plug-in for Adobe Reader and Adobe Acrobat called **FileOpen.api**.

In most cases Windows users can remove the **FileOpen.api** by launching Control Panel and Add/Remove Programs (on Vista, Programs and Features) right-clicking the entry for "FileOpen Plug-in for Adobe Acrobat and Reader" and selecting Uninstall. FileOpen also has an uninstall tool available [here](#). Manual removal instructions for all platforms are provided below.

### To manually remove FileOpen.api on Windows, please do the following:

- 1 Close Adobe Acrobat or Reader.
- 2 Search for and delete all copies of **FileOpen.api**
- 3 You may have in the same location as **FileOpen.api** another file **fowpkbd.api**, if so delete this also.
- 4 In some cases you may have a folder C:\Documents and Settings\*<your login>*\Application Data\FileOpen (on Vista or above this will be C:\Users\*<your login>*\AppData\Roaming\FileOpen). If so, delete this folder.
- 5 If you installed via the web via IE and do not have Java installed, you may have the FileOpen ActiveX control. From IE invoke Tools > Internet Options > General > Temporary Internet Files > Settings > View Objects, then delete FileOpenInstaller.

### To remove FileOpen.api on Macintosh, please do the following:

- 1 From the Finder find Applications:Adobe Acrobat/Reader
- 2 Select the launch icon for the viewer, click Apple+I
- 3 From the list of options select Plug-ins
- 4 Find **FileOpen<version>.acroplugin** and choose Remove ("-") on 10.5)
- 5 You may have a folder in your Library:FileOpen, which can be deleted.

### To remove FileOpen.api on Linux, please do the following:

- 1 Close Adobe Acrobat or Reader.
- 2 Remove FileOpen.AR<VERSION>.api from Reader\intellinux\plugin\_is folder.

An older, and now discontinued, FileOpen plug-in was named **fOpen32.api**.

### To remove fOpen32.api on Windows please do the following:

- 1 Close Adobe Acrobat or Reader.
- 2 Search for and delete all copies of **fOpen32.api**

You may also have a registry entry that was created by the software. Please contact your administrator if you are unsure about how to remove registry entries. The entry is HKEY\_LOCAL\_MACHINE>Software>FileOpen.