



H-PDF

Overview

The H-PDF is a hardened PDF file management and viewing application. It allows working with PDF files and forms, which can be securely filled and digitally signed. Differently from other applications (e.g. Adobe Reader) which provide general purpose interactivity and extensibility by exposing APIs to Java Script, H-PDF keeps all internal resources protected from the operating system and from external applications, thereby shielding against malware attacks and privacy breaches. H-PDF can support practically any business logic, including encryption and digital signing/verification with any PKCS11 compliant device. Further, H-PDF is complaint with Adobe LiveCycle ES2 allowing the automated back-end processing of PDF files submitted by end users in both electronic and paper formats.

Main Features

- Zero-footprint (no prior installation, special drivers or admin privileges required to run on the host PC)
- Available as a software-only downloadable application or integrated with secure USB tokens, including devices equipped with Smart Card (e.g. Safenet, Crealogix) and biometric sensor (e.g. MXI)
- Fully integrated with the H-Login module, providing active protections against all major attack vectors exploited by financial malware, including keystroke/mouse logging, screen capture and code injection.
- Application files and resources are kept inside of encrypted containers, never exposed to attackers and loaded in memory only at run time after full integrity checks.
- PDF Digital Signing with any PKCS11 compliant device using standard PDF, 2D barcode, detached PKCS#7, PAdES-BASIC and PAdES-BES.
- PDF Encryption with 40-bit RC4, 128-bit RC4 and 128-bit AES.
- Supports Acrobat Forms and XFA Forms with JavaScript, as well as paper based forms (barcodes) as QR Code, DataMatrix and PDF417.
- Complaint with Adobe LiveCycle ES2.
- User interface localized in English, French, German, Italian. Additional languages available upon request.
- (Optional) Allows accessing only the PDF files and forms available from the internal Template list.
- (Optional) User Interface customized based on corporate branding guidelines.
- (Optional) Integrated with the centralized cloud-based management, allowing to receive Proactive Security Updates from the H-Server and to block access to the H-Browser resources and data.

For more information, please visit: <http://www.eisst.com>

System Requirements

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| Processor | IBM PC or compatible with Intel base processors Intel Pentium 4 800-MHz or higher (Intel Core 2 Duo or higher recommended) |
| Memory | 512 megabytes (MB) of RAM (2GB recommended) |
| Operating System | Microsoft® Windows® XP SP3 or higher Microsoft® Windows® VISTA all versions Microsoft® Windows® 7 all versions Microsoft® Windows® 8 all versions Microsoft® Windows® 8.1 all versions Mac OSX 10.6.x and higher |
| Display | 1024 x 768 resolution, 65 536 colors minimum (32-bit color recommended) |

Sample Images

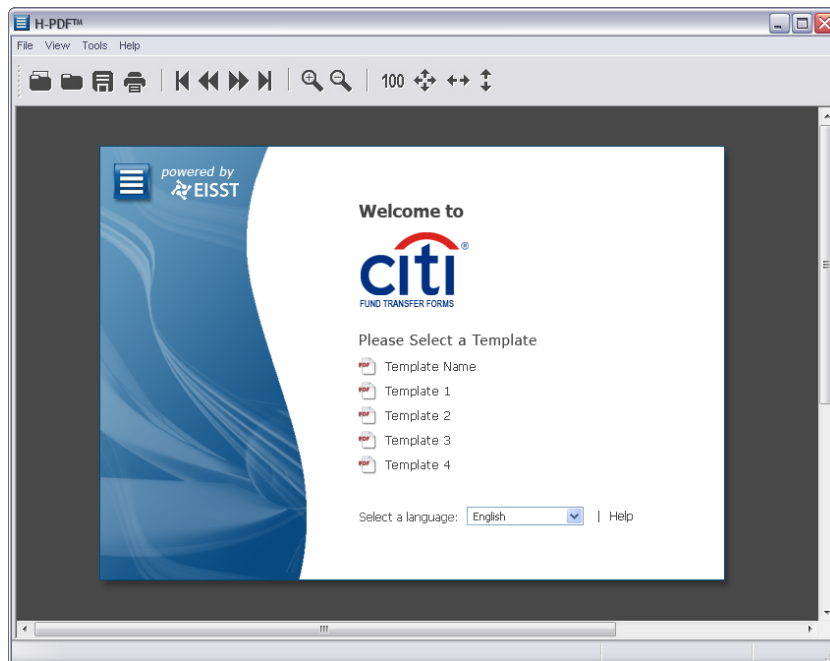


Fig. 1 The H-PDF main application window allows selecting from the pre-loaded templates or loading any file from the permitted storage locations.

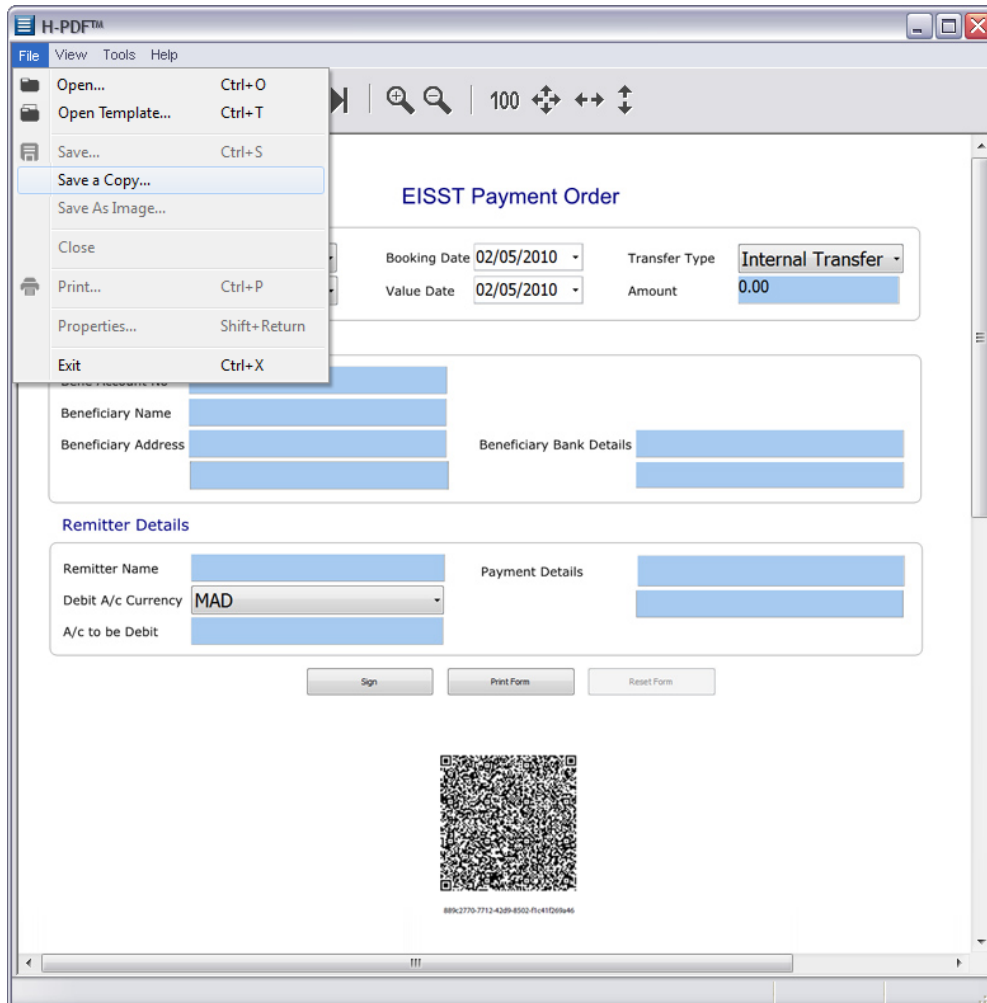


Fig. 2 Users can fill out PDF forms and then digitally sign them with any PKCS11 compliant device before submitting to the financial Institution providing the service. The 2D bar code encapsulates the information contained in the filled out form, which can be also printed and faxed for automated back-end processing with Adobe LiveCycle ES2.