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secure management for PDF files



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KeySec is a plug-in (supplementary module) for Adobe® Acrobat® 5 or higher and Adobe® Reader® 5 or higher that enables protecting a PDF document by using the hardware keys.

KeySec enables encrypting a document so that it can be displayed only when an authorized key is present in the system.

WHAT IS A KEYSEC SOLUTION?

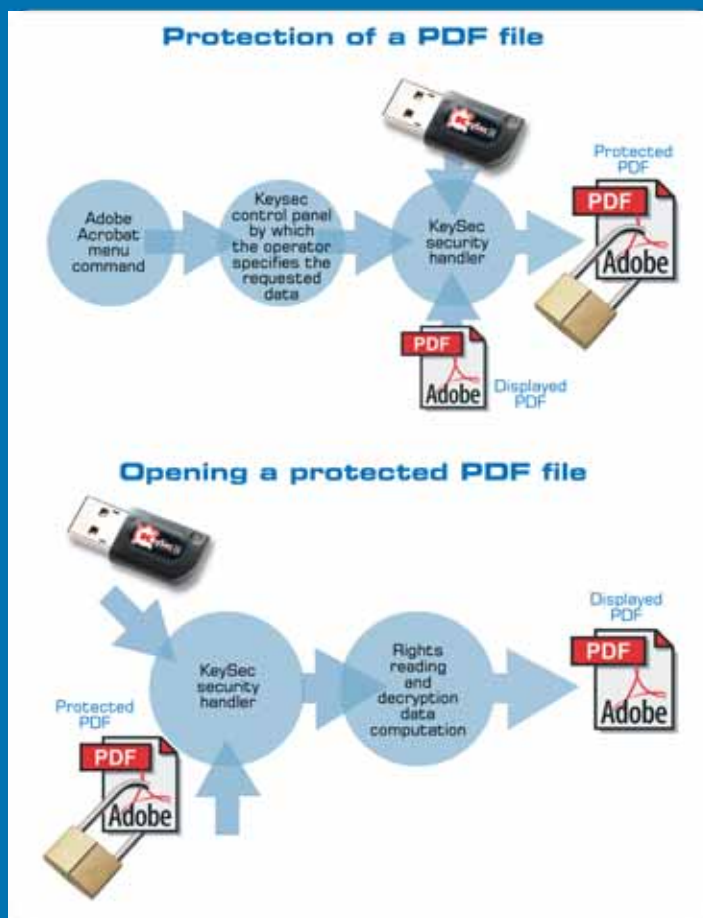
KeySec exploits the most wide-spread electronic format for contents display, namely the PDF format, adopting Adobe® Acrobat®.

It is made up of two modules:

1. the KeySec module, installed in Adobe® Acrobat®, enables encrypting the document and pairing it with a hardware protection
2. the KeySec Reader module, installed in Adobe® Reader®, enables opening the protected document only if in possession of an authorized key. This module can be downloaded from Eutronsec's website, as well as the Adobe® application, for a better support of the users.

Who generates and distributes protected documents must only decide upon the users' rights (Acrobat®'s standard) and the expiry date of the document (KeySec special feature). The module will take care of «binding» these values to the hardware key security.

Who receives protected documents shall only have to plug the authorized key in and open them with Adobe® Reader® as usual.



Benefits:

Utter intrinsic security, user-friendliness and inexpensiveness are the outstanding characteristics of KeySec, making it an ideal solution for the distribution of fee-paying services, such as subscriptions to magazines, regulations newsletters, professional literature or even confidential technical papers, making it sure that they will not be used without the author's assent.

Basic functions:

KeySec enables subdividing the users of a PDF document into three categories:

- the (unique) owner of a key used for protecting the document (MasterKey)
- the owners of keys authorized to open the document (ReaderKey)
- all those who do not fall under any of the above-mentioned categories.

Each category of users can be assigned a set of rights (print right, document edit right, content "copy&paste" right, and so on).

The owner of a MasterKey used for protecting the document has all titles to the document, including the right of removing the protection and transforming the encrypted PDF into a standard clear PDF.

The owners of authorized ReaderKeys are all those who possess a KeySec Reader and who can access a key generated by MasterKey and used for protecting the document, maintaining the same password used in the document protection phase.

All those who do not possess a valid key (or do not possess any key at all) fall under the third category. As a rule they are not entitled to any right, that is, they may not even open the PDF.

Anyway KeySec allows assigning a set of rights to this category, even though Eutronsec advises against this option for security reasons.

Typically, who does not own an authorized key shall have certain rights only (or often, none), whilst who owns an authorized key shall have more extensive rights and finally who owns a Master Key shall have all rights.

Advanced functions:

KeySec enables specifying an expiry date of the PDF when setting it up for protection. The date is stored in the document itself; when the document "expires" it cannot be opened any longer, unless with the MasterKey.

Besides KeySec enables specifying an expiry date for each ReaderKey; the day following the one specified as the expiry date, the ReaderKey will cease working.

This setting is checked by the key administrator by means of a simple desktop or Web interface; the date is physically written inside the SmartKey at the moment of key activation.

The uniqueness of the hardware keys is decided and «created» by the document distributor, who can also determine the expiry date.

All programmed data that are stored in the newly generated keys can be automatically transferred onto a server so that they can be processed remotely.

System requirements:



Hardware:

- PC IBM or 100% compatible
- Pentium 100MHz or higher
- RAM 64MB or higher

Software:

- Windows 2000, XP
- Adobe® Acrobat® 5 or higher, Adobe® Acrobat® Reader® 5 or higher