



UniKey Flash Packer

Protect Your Flash Files
With Hardware Keys

SecuTech Solution Inc.

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Background

Along with the development of the Internet, Macromedia® Flash technology is becoming ever increasingly more popular. Since making a flash file is easy and the function of a flash file is powerful, developers and designers like to develop on Flash technologies.

The disadvantage of a flash file is that it is easy to de-compile the SWF files and get the source codes/files. By this means, the copyright or intellectual property of a flash file becomes meaningless.

UniKey Flash Packer

UniKey Flash Packer is a complete SWF files protection/license solution. It wraps the SWF file and encrypts it with the AES algorithm. Only users with a correct UniKey dongle can decrypt the file and play the SWF file.

UniKey Flash Packer embeds a Macromedia® Flash Player along with the SWF file. End-users need not install a Flash player before playing the protected flash file.

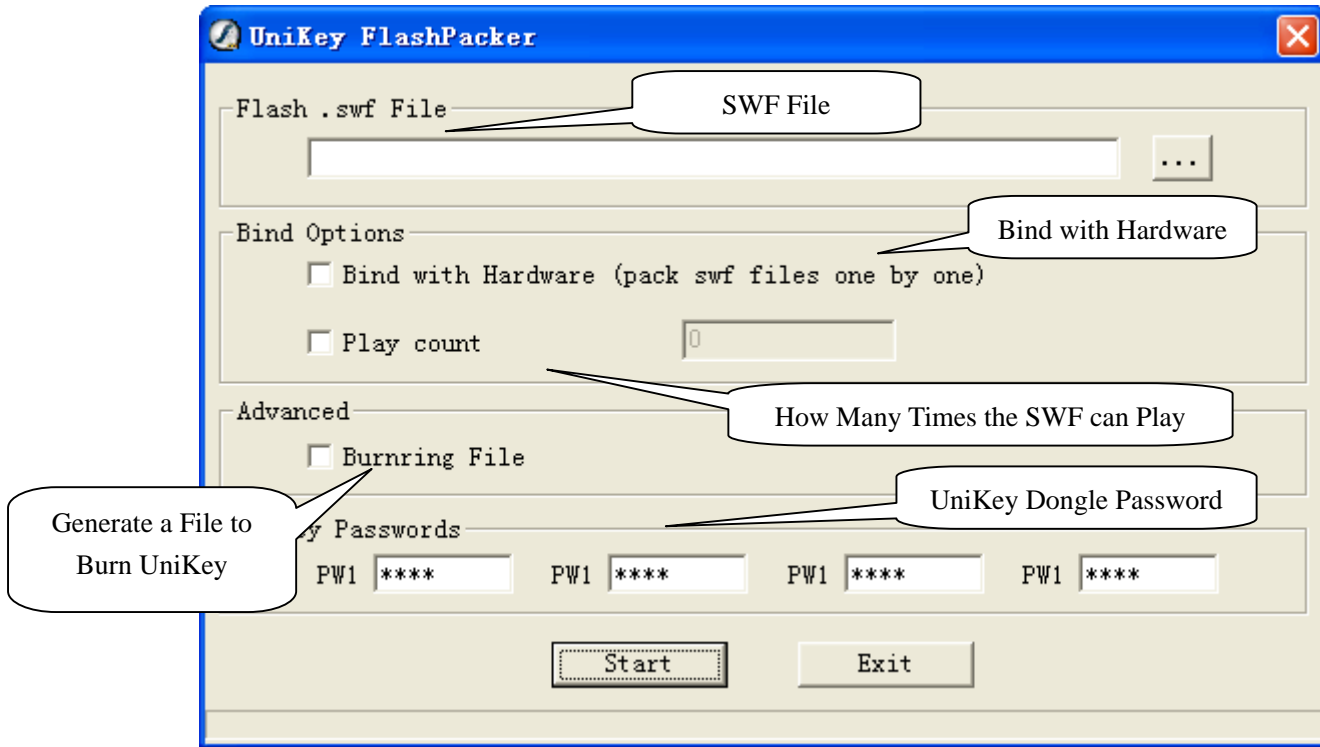
UniKey Flash Packer provides two sales modes for flash file providers.

- One File to One UniKey
The SWF file is encrypted with the UniKey hardware, and only one UniKey dongle can decrypt the file and play it. This mode provides the best level of security.
- One File to Multiple UniKey
The SWF file is encrypted by a batch of UniKey dongles. The flash file provide need only encrypt the file once, than burn the UniKey dongle. The flash file provide uses the UniKey dongle to control the license of SWF file. Only the user with correct UniKey can decrypt the SWF file and play it.

Packing a SWF File



It is easy to encrypt/protect a SWF file.



Click “...” to select the SWF file you want to encrypt/protect. Then select the options.

“Bind with Hardware” means your SWF files are encrypted by the UniKey hardware ID, only one UniKey dongle can decrypt the SWF file. It provides the best security, but you have to encrypt/protect the SWF one by one, and keep the correct mapping from the UniKey dongle to the SWF files.

“Play Count” offers a function that you can limit how many times the SWF can play. Click the check box and input the number you want in the following area. UniKey Flash Packer will deploy this license scheme automatically.

“Burning Files” is designed for *One File to Multiple UniKey* sales mode. SWF file



Cookbook



providers need only encrypt/protect the SWF once, and use the burning file to burn the UniKey dongle. Only those users who have a UniKey dongle with the correct burning information can decrypt the SWF file and play it.

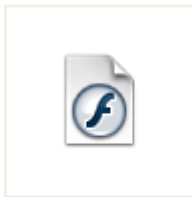
Input the passwords of the UniKey dongle and press “Start”, and then *Flash.exe* will be generate in the same directory along with the SWF file.

UniKey Flash Packer Files

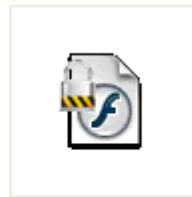
UniKey Flash Packer generates an .exe file automatically. A flash player is embedded in the .exe file so the end-user need not install a flash player to play the protected SWF file.



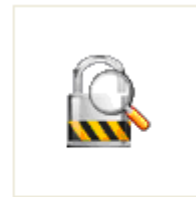
Flash Packer.exe



blue.swf



Flash.exe



Updater.upt

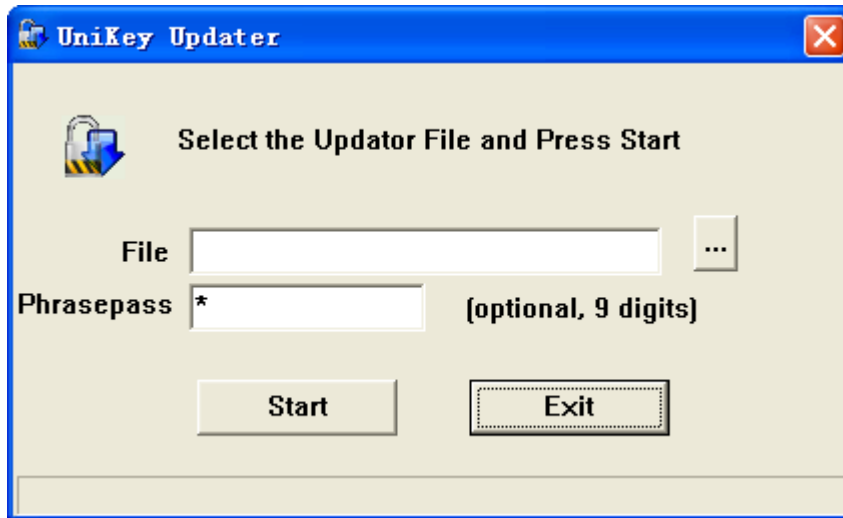
As shown in above, *Flash Packer.exe* is the main application that encrypts SWF files. *Blue.swf* is the SWF we want to protect. *Flash.exe* is the encrypted SWF file with a self-extracting flash player. The last file, *Updater.upt*, is for burning more UniKey dongles.

Burning UniKey

Burning a UniKey is very simple. Run the UniKey Updater and select the *Updater.upt* file, and then press “Start”. UniKey Updater will help you to finish all the



tasks.



Note: there is no Phrasepass for the *Updater.upt* file that is generated by the UniKey Flash Packer.

About SecuTech Solution Inc.

SecuTech Solution Inc, based in Canada, specializing in software license management business systems, is a target market oriented organization with strong technical support and is internationally focused in providing cutting-edge technological solutions in the fields of the protection of intellectual property.

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