License Shield SDK

Version 1.00

Developer Guide

1. Introduction

License Shield SDK allows you to protect windows applications trial versions of your software against piracy. This SDK is a great tool for software developers who want the best protection against piracy, but do not want to code their own encryptions. With an easy-to-use interface, excellent security features, and simple compatibility, License Shield SDK may well become shareware developer's best assistant.

License Shield SDK only takes you a few minutes to set up. All you have to do is to install it in your system and run the setup until the DLL file is registered in your system. Then, in your software's initialization stage (load event or create event of main form), determine your parameters - set your product's name, company, copyrights, your product's purchase page, algorithms, license and trial mode etc. There's no need to write more codes (Encryption algorithm) - just call several methods in your codes and License Shield SDK will set it all up for you.

License Shield SDK can be easily integrated into common development languages, such as C#, VB.NET, Visual C++, Visual Basic, Delphi, C++ Builder, Visual Foxpro, MS-Excel, MS-Access, Clarion etc.

With License Shield SDK, you can easily set your free trial duration, customize register window messages, and add URL links to your website's purchase page. This keeps users from illegally copying your product and directs them to buy licensed copies. Registered version can be deployed or redistributed FREE, NO additional runtime fee needed NOW!

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2. Key features

ü   Allow you to generate license keys in bulk and integrate these license keys into e-Commerce providers to achieve sending the license key automatically.

ü   Allow you to set free trial duration in your application, such as expired date and limited runtime.

ü   Allow you to customize register window messages and add URL links to your website's purchase page. This keeps trial users from illegally copying your product and directs them to buy licensed copies.

ü   Protect applications developed in C#, VB.NET, Visual C++, Visual Basic, Delphi, C++ Builder, Visual Foxpro, MS-Excel, MS-Access, Clarion and much more.

ü   Royalty free, Use License Shield SDK in your applications with no need to pay any royalty fees for distribution.

ü   Support Windows NT4, Windows 2000, Windows XP, Windows 2003, Windows VISTA, Windows 7, Windows 8 and Windows 2008 R2.

ü   Support Windows 32-bit and 64-bit.

3. Version

1.00

4. System Requirements

Desktop
ü   Windows XP (32-bit, 64-bit)
ü   Windows Vista (32-bit, 64-bit)
ü   Windows 7 (32-bit, 64-bit)
ü   Windows 8, Windows 8 Pro and Windows 8 Enterprise
Server
ü   Windows Server 2003 (32-bit, 64-bit)
ü   Windows Server 2008 (32-bit, 64-bit)
ü   Windows Server 2012

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5. Interface Reference

VOID SetLicenseKey(String *sLicenseKey*)

Description:

Set valid license key to unlock this SDK DLL**.**

Parameters:

License Key: License Key of registered.

Remarks:

Set the registration information to remove the trial limit.

NOTE: This method must be placed in first.

VOID SetAppKeys (String sAppID; Long *nKey1, nKey2, nKeyTotalNum*)

Description:

Set the parameters of the algorithm.

Parameters:

sAppID   : Specifies your application name.

nKey1   : Specifies the key 1. **(10≤nKey1≤99)**

nKey2   : Specifies the key 2. **(10≤nKey2≤99)**

nKeyTotalNum : Specifies number of registration code. **(nKeyTotalNum＞0)**

Remarks:

These parameters are defined by your own.

**VOID SetAppRegWin (String *sAppTitle, sAppCopyright, sAppNotice,*

sAppBuyNow)**

Description:

Set the Pop-up Window (Register Window) displays information.

Parameters:

sAppTitle   : Specifies the title of application.

sAppCopyright : Specifies the copyrights of application.

sAppNotice   : Specifies the detail notice of application.

sAppBuyNow   : Specifies the url of BuyNow link.

Remarks:

   These settings will directly affect the registration window display.

VOID SetAppTrialMode (Long *nTrialMode, nTrialValue*)

Description:

   Specifies that your program needs to expire the date of blackout or the number of runs.

Parameters:

nTrialMode   : Specifies trial mode. **(0: Days; 1: Runs)**

nTrialValue   : Specifies the value of trial.

Example:

   SetAppTrialMode(0, 14): The application expires in 14 days.

   SetAppTrialMode(1, 50): The application expires in 50 launches.

VOID ShowAppRegWin ()

Description:

   If your clients do not register your application, this function will pop up the registration window. If your clients have purchased your registration code, they can complete the registration in this window. If your clients have registered your application through license key, then this registration window will not be displayed.

Remarks:

   This function must be called at the end of your protection code block.

LONG GetAppRegStatus ()

Description:

   Returns the state of your product license.

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Return Value:

    0: Unregistered.

    1: Registered.

LONG GetAppExpStatus ()

Description:

    Returns the state of your product expires.

Return Value:

    0: Unexpired.

    1: Expired.

Remarks:

    If **GetAppRegStatus()** return 1 then **GetAppExpStatus()** will always return 0.
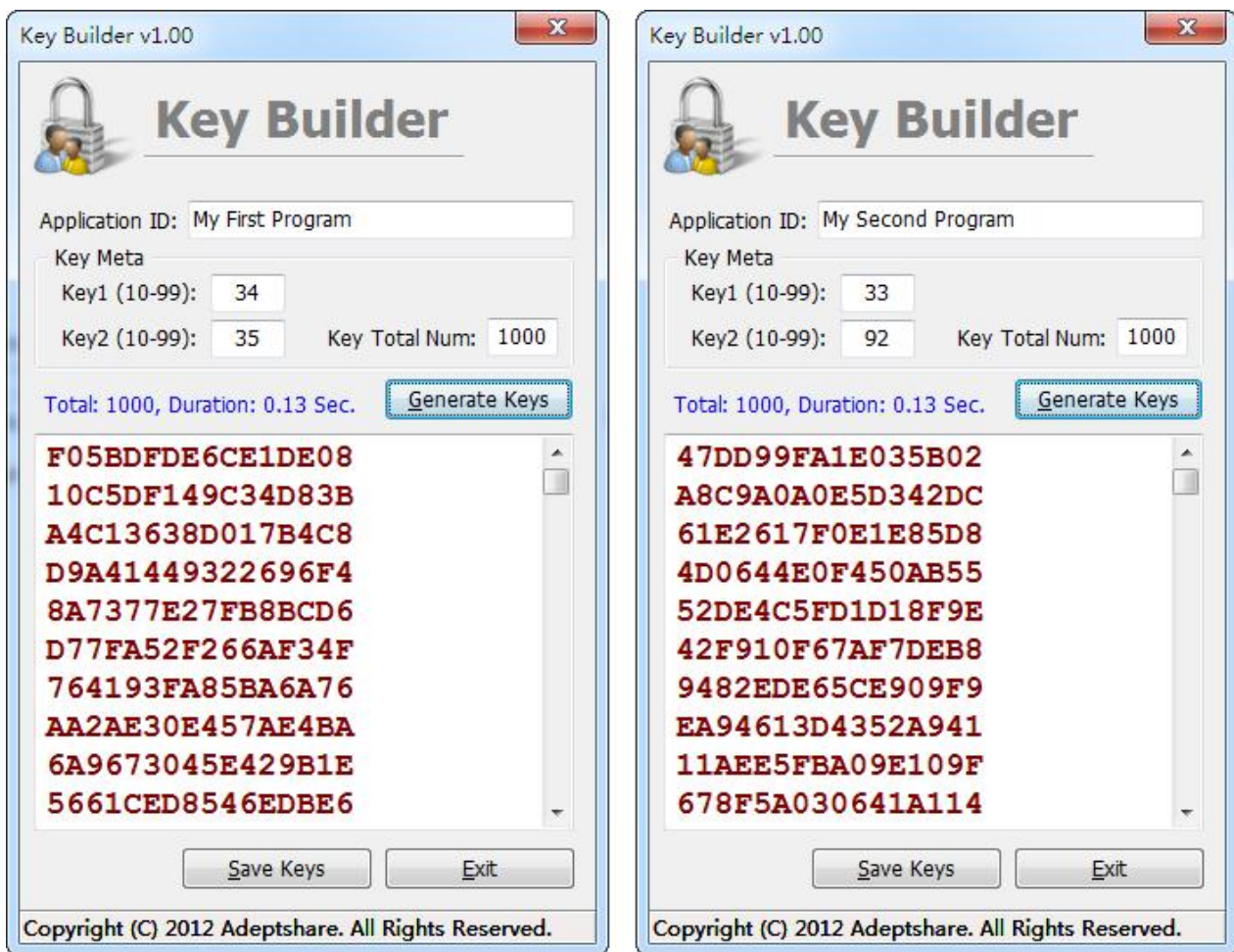
6. Redistribution

The files that need to redistribute License Shield SDK with applications are:

File Name	File Size
Release\Win32\LicenseShield.DLL 32-bit	**2.09 MB**
Release\Win64\LicenseShield64.DLL 64-bit	**3.02 MB**

Once registered, you can redistribute License Shield SDK royalty-freely. (For details about redistribution, please refer to the license agreement)

7. KeyBuilder Utility

Using KeyBuilder utility, you can generate unlimited number of randomized activation keys depending on algorithms you use , so license keys collection generated (for example) by SetAppKeys('My First Program', 34, 35, 1000) will differ completely from one generated using SetAppKeys('My Second Program', 33, 92, 1000) and differ from any other algorithms.

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You can save the License keys as txt file.

You can also place these keys in your own cPanel of e-Commerce provider, such as Plimus, FastSpring, ShareIt, Regnow, SWREG, Paypal, Google Checkout, X-cart and UltraCart etc. Achieve automatically send the license key / registration code.

8. Tutorial

This tutorial describes all the features supported by License Shield SDK. Also you can refer to the project example which is installed by default into C:\Program Files\Adeptshare\LicenseShield SDK\Samples\

This code should be in **first form loaded / form create** in your project

[VB]

```vb
Private Sub Form_Load()

  'Replace with your purchased License Key once you get one
```

```vb
SetLicenseKey ("Your-License-Key")

  'Set the parameters of the algorithm. NOTE: KeyBuilder should also use this parameter.
  Call SetAppKeys("My VB Program", 47, 93, 1000)

  'Set the Pop-up Window (Register Window) displays information.
  Call SetAppRegWin("My VB Program v1.00", "Copyright (C) 2012, Your Company. All rights
reserved.", "You are using a unregistered version of My First Program." + vbCrLf + "If you
want to using full functions, you must purchase a license.",
"http://www.adeptshare.com/purchase.html")

  'Set TrialMode of Applicaton
  Call SetAppTrialMode(1, 15)

  'Pop-up Register Window, Should be last line of your protection code
  ShowAppRegWin

End Sub
```

[Delphi]

```delphi
procedure TForm1.FormCreate(Sender: TObject);
begin
  // Replace with your purchased License Key once you get one
  SetLicenseKey('Your-License-Key');

  // Set the parameters of the algorithm. KeyBuilder should also use this parameters.
  SetAppKeys('My First Program', 34, 35, 1000);

  // Set the Pop-up Window (Register Window) displays information.
  SetAppRegWin('My First Program v1.00',
    'Copyright (C) 2012, Your Company. All rights reserved.',
    'You are using a unregistered version of My First Program. ' +
    #13#10 + 'If you want to using full functions, you must purchase a license.',
    'http://www.adeptshare.com/purchase.html');

  // Set TrialMode of Applicaton
  SetAppTrialMode(1, 10);

  // Pop-up Register Window, Should be last line of your protection code
  ShowAppRegWin();
end;
```

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9. Support

If you have any questions or suggestions regards to License Shield SDK. Please feel free to email us:

support@adeptshare.com

10.   FAQ

1. What languages does it support?

Answer: A lot. The License Shield SDK is based on Windows standard **Dynamic Link Library** (DLL), which can be used with C#, VB.NET, Visual C++, Visual Basic, Delphi, C++ Builder, Visual Foxpro, MS-Excel, MS-Access, Clarion etc. We have provided examples for some of the above languages.

2. How can I register the License Shield SDK?

Answer: Once you buy the License Shield SDK, a registration code will be sent to you by email. Calling the **SetLicenseKey()** method with the code you got by email. In this way, every limitation in trial mode will be removed.

3. Can you do custom development for special usage?

Answer: Sure. Please tell us what you need and we can discuss a cost, and then develop custom version on schedule just for you.

11.   History

```
'+' = New feature        '-' = Bug fixed or Removed        '*' = Improved or Changed
```

Ver 1.00 (20/12/2012)

    + First public release.

    + Set free trial duration in your application, such as expired date and limited runtime.

    + Customize register window messages and add purchase links.

    + Get rich samples written in Visual Basic, Delphi, C#, VB.net etc.

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