# ABBYY FineReader Engine 12 入门

快速启动指南

-28064.143

Angine that

**开始前:** 请用ABBYY的经理发给您的下载链接将ABBYY FineReader Engine 12开发包下 载到您的电脑上。

#### SDK安装

1. 请安装SDK到您的电脑上。在Autorun (自动运行) 菜单上选择安装项目或者运行下载的 文件夹中的Setup.exe:



#### 2. 请阅读并同意许可协议:

License Agreement	<b>æ</b>
Please read the following text carefully.	
END-USER LICENSE AGREEMENT (EULA)	^
ABBYY® FineReader® Engine 12 for Windows	
ABBYY® FineReader® Engine 12 for Linux	
ABBYY® FineReader® Engine 12 for Mac OS	
ABBYY® FlexiCapture® Engine 12	
	~
I have a valid license and I wish to install the Software	
O I do not have a valid license	
InstallShield	
< Back Next > Can	cel

-28064.143

**3.** 请选择想要安装的组件。您可以选择安装 32 位或 64 位的组件 (取决于您想要将 OCR 功能集成到几位的程序):

ustom Setup				
elect the program fe	atures you want insta	illed.		- <b>1</b> 2.
eatures to instal	:		Fashira Dasarin	tion
ABB'	☆ FineReader Engin	e 12 🔺	reature Descrip	otion 
	Binary files		64-bit applicatio	ntegrating into
	🗐 🔹 x86 version		of bit applicatio	113.
	- 🖃 ▼ x64 version			
	Resources			
	Code samples		This feature req	uires 232MB on
<u> </u>	Documentation		your hard drive.	
	Documenta	tion server 🗸 🗸		
<		>		
stallShield				

4. 请输入安装文件夹:

Installation Details			TTTT I CARLES	
Please specify installation det	ails.			- 20
Install to:				
C:\Program Files\ABBYY SD	K\12\FineR	eader Engine\		
				Browse
Documentation server port: stallShield	8841			
		< Back	Next>	Cancel

5. 对于试用版的许可证,您可以使用单机或在线许可机制,请不要指定任何License Sever 详细信息,并继续下一步。

In case of network license ; mark the check-box below	ou could connect to a network Li and insert necessary connection	icense Server. In order to do it please 1 details.
Yes, I want to connect to	Network License Server:	
Please specify networ	License Server details.	
S <u>e</u> rver Name:		
(the DNS name	or IP address of computer where	e the License Server is installed)
Protocol Type:	TCP/IP	
stallShield		



#### 6. 请输入您的客户项目ID。

#### 有关软件许可证,

请仅输入您的客户项目 ID:

Please specify Custo	mer Project ID details.		- 20
Systomer Project ID:	Custom Project II	,	
] I have an activati	on-taken file for Online li	cense:	
Activation file	-		Browce
Password.			 
a second s			

7. 完成安装并开始产品激活:



# 许可证激活

- 软件许可证
- 在线许可证



关在线许可证,请输入您的客户项目 ID、在线 许可证激活令牌的完整路径和许可证密码:

Customer Project	ID
Please specify Custon	ner Project ID details.
Cystomer Project ID:	Cutomer ProjectID
I have an antivation	in taken Ne to Enline konner
Activation file:	Full path to Online license Activation Token
Activation file: Password:	Full path to Online license Activation Token         Browse           License Password         Browse
Activation file. <u>Activation file</u> . <u>Password</u> .	Ndan lie to Onine kome: Full path to Onine license Activation Token Ucense Password Ucense Password

# 软件许可证

在激活向导的帮助下进行激活。该向导内置在许可证管理器实用程序中。

Licenses						
Serial Number	Functionality Subset	Protection Type	Installation Type	Expiration Date		
	A	BBYY SDK 12 Licer The License Activa	nse Activation Wiza	rd you activate your license.		
٢		Enter your s	serial number:			
Hide License Parameters	<< Activate License					
		I already have a lic	cense file			
					< Back	Next >

在激活过程中,激活向导会生成唯一的产品 ID。该参数根据激活时的计算机配置数据进行创建,它不包括任何个人信息或有关计算机型号、已安装软件、用户设置或存储数据的信息。 该参数仅用于激活 ABBYY FineReader Engine,不会用于其他任何目的。

Activate ABBYY SDK 12		
Please activate your copy of ABBYY SDK 12.		
Select an activation method:		
• via the Internet (fast, recommended)		
O by e-mail (fast)		
O by e-mail from another computer (slow)		
f you have already obtained a license file, select the item bel	ow and dick Next	

我们建议通过网络进行激活。若激活方法选择为 'Via the Internet', 激活自动进行, 只需数秒即可完成。

若激活方法选择为 'By e-mail' 或 'By e-mail from another computer' (即您的电脑不能连接因特网),激活向导会要求您向ABBYY发送自动生成的电子邮件,其中包含激活 ABBYY FineReader Engine 所需信息。您将收到返回的许可证文件。请将此文件保存到您的电脑上并在激活向导的相应的字段中指定该文件的路径。

lease provide the path to the license file.	
Enter here the path to the Activation File received from ABBYY by e-mail	Browse





### 在线许可证

这种新的许可机制主要用于在云端和虚拟环境上进行安装,以确保FineReader Engine 12 的不间断运行。但是,它也可以在本地安装中使用。请注意,连接到ABBYY许可服务器需要一直保持网络连接。

a) 不需要激活许可证。可以在许可证管理器中查看在线许可证参数;

icenses						
Serial Number	Functionality Subset	Protection Type	Installation Type	Expiratio	on Date	
SWED-1241-0006-6286-0282-9211	Developer Professional	Online licensing	Network	Unlimited	1	
Hide License Parameters << Activ	vate License Update I	license			Refresh	Close
Hide License Parameters << Activ	vate License Update I	Jicense	cense Parameters:	Original	Refresh CEmulated	Close (Change
Hide License Parameters << Activity interview of the second secon	Update I Unimited	License	cense Parameters:	Original	Refresh Emulated	Close (Change
Hide License Parameters << Acti Activity International Activity Int	Update I Unimited	License	cense Parameters:	<ul> <li>Original</li> </ul>	Refresh Emulated	Close (Change
Hide License Parameters << Activity interview of the second secon	Vate License Update I Unimted	License	cense Parameters:	Original	Refresh Emulated	Close (Change
Hide License Parameters << Activity limit Activity limit Volume * Regular tests Units	Vate License Update i Unimted	License	cense Parameters:	Original	Refresh Emulated	Close (Change
Hide License Parameters << Acti icense Parameters Productivity limit Volume * Regular texts Units Guantty	Unimted Pages 10000 per	Joense	cense Parameters:	Original	Refresh Emulated	Close (Change



#### b) 重要提示:确认您允许在端口443上连接到\*.abbyy.com;

abound Rules	Name	Group	Profile	Enabled	Action	Override	Program
onnection Security Rules	ABBYY FineReader Engine 12 Lice	nse Ser	All	Yes	Allow	No	C:\Program Files (x86)\Common Files\ABBYY\SDK\12\Licensing\LicensingService
denitoring	Of Accessft Windows Contant Of Accessft Windows Contant Of Accessft Windows Contant Alloyn Router (UCP-Out) Branch Carbe Hocket Contex Rations Branch Carbe Hocket Contex Rations Branch Carbe Hocket Contex Branch Carbe Hocket Contex Context Support     Context Support	BBYY FineReader Engl General Protocols and Pots Protocols and pots Protocol ny Protocol ny Local pot: Remote por	ne 12 Licen Programs ar Scop e mber: t	se Service Pro ad Services e Adva TCP 6 : All Posts Example: 80, Specific Posts 90: 443	Perties Rec 443, 5000-5	ote Computers Local Principal	X temBoot%uystem32uschost.exe temBoot%uystem32uschost.exe EM EM EM Em temPoot%uystem32uschost.exe temBoot%uystem32uschost.exe temBoot%uystem32uschost.exe temBoot%uystem32uschost.exe temBoot%uystem32undeserve.exe temBoot%uystem32undeserve.exe temBoot%uystem32undeserve.exe
	Contact Support     Core Networking - DNS (UDP-1     Core Networking - Dynamic H	Internet Cor (ICMP) antis	trol Messag	Example: 80, e Protocol	443, 5000-5 Cue	010 mize	stemRoot%Lystem32\svchost.exe stemRoot%Lystem32\svchost.exe

- c) 如何使用在线许可证:
- 1. 将激活令牌文件放置到客户选择的文件夹中。通常它是FRengine .dll所在的文件夹。
- 2. 使用以下参数调用InitializeEngine函数:
  - 客户项目ID;
  - 在线许可证激活令牌的完整路径;
  - 许可证密码;
  - [可选,可能是一个空字符串]文件夹路径, ABBYY FineReader Engine应该在其中存储用户特定 的数据。默认为FineReader Engine数据文件夹 (%ProgramData%\ABBYY\SDK\12\自动安装 FineReader Engine;
  - [可选,可能是一个空字符串]文件夹路径为ABBYY FineReader Engine临时文件。默认情况下,它 是%TEMP%\ABBYY FineReader Engine12文件夹;



- [可选]一个布尔值,指定CPU核心是否应该在共享模式下使用;
- Engine对象的Output变量。



配置文件如下(安装过程中会自动插入所有数据):

```
class FreConfig {
    // Folder with FRE dll
    public static String GetDllFolder() {
        if( is64BitConfiguration() ) {
            return "C:\\Program Files\\ABBYY SDK\\12\\FineReader Engine\\Bin64";
        } else {
           return "Directory\\where\\x86\\dll\\resides";
        1
    }
    // Return customer project id for FRE
    public static String GetCustomerProjectId() {
       return "Customer ProjectID";
    // Return path to license file
    public static String GetLicensePath() {
       return "C:\\ProgramData\\ABBYY\\SDK\\12\\Licenses\\SWRDXXXXXXXXXXXXXXXXXXABBYY.ActivationToken";
    3
    // Return license password
    public static String GetLicensePassword() {
       return "Password";
    // Return full path to Samples directory
    public static String GetSamplesFolder() {
       return "C:\\ProgramData\\ABBYY\\SDK\\12\\FineReader Engine\\Samples";
    // Determines whether the current configuration is a 64-bit configuration
    private static bool is64BitConfiguration() {
       return System.IntPtr.Size == 8;
    }
```

配置文件如下(安装过程中会自动插入所有数据):

```
// Call the InitializeEngine function
int hresult = initializeEngine(customerProjectId, licensePath, licensePassword, "", "",
false, ref engine);
```

### 应用程序的开发和试验

ABBYY FineReader Engine 开发包包含怎样在不同的方案中使用Engine的一套样本源代码,为方便您更快的开始工作。该页面简单的描述了这些样本的功能。这些详细描述的样本示例您可以在开发包提供的 **Code Samples Library** 找到。(开始菜单>所有程序> ABBYY FineReader Engine 12 > Code Samples Library).



我们推荐试验该三个样本:



1. Convert a document (Hello) sample (转换成一个文件 (你好) 样本) – 展示您为了 要 ABBYY SDK 工作需要采取的所有的步骤。 这个示例应用程序使用 ABBYY FineReader Engine 的基本对象和方法识别和输出图像文 档。这个样本代码是您开始应用程序开发的很 好示范。





2. Engine Predefined Processing Profiles sample (Engine预定义处理配置文件示例) – 展示您怎样用预定义处理配置文件容易地配置 ABBYY FIneReader Engine. 您要处理以前选择适合于您任务的处理配置文件,知道这个就够了,然后 FIneReader Engine将自动地选择最佳设置。样品的应用程序用两个不同的预定处理设定档从指定的文件夹处理文件图像,因此您可以比较识别结果。

该视频是为ABBYY FineReader Engine 11创建的。ABBYY FineReader Engine 12使用相同的原理。http://v.youku.com/v\_show/id\_XNzUyNjU3MzY0.html?f=22658306

**请注意:** 大多数样本使用的是标准方法来加载 Engine 对象: 通过加载 FREngine.dll 文件 反射出对象接口。还有两个其他的方法来加载 ABBYY FineReader Engine对象。每个加载 的方法都有自己的详细说明, 在不同的情况下影响对象的使用。

您可以在 Start > Programs > ABBYY FineReader Engine 11 > Developer' s Help > Guided Tour: Advanced Techniques > Programming Aspects > Different Ways to Load the Engine 找到即加载 Engine Object 不同的方法和代码样本的更多信息。

# 试用 SDK 的方案

您在开始开发应用程序以前, 请把: Start > Programs > ABBYY FineReader Engine 11 > Developer's Help > Guided Tour 的 **Basic Usage Scenarios Implementation** 内容 看一下。 该章节介绍 ABBYY FineReader Engine 的最常用方案。每一篇文章都包含一个方案的详细说明、实施意见和为特殊任务优化代码的建议。

2 ABBYY FineRead	er Engine 12
<b>Ξ ቑ</b> Q	Guided Tour > Basic Usage Scenarios Implementation
<ul> <li>Introduction</li> <li>Guided Tour</li> <li>Basic Usage Scenarios</li> </ul>	This section describes the most common scenarios in which ABBYY FineReader Engine may be used. Each article contains a detailed description of the scenario, implementation advice, and suggestions on optimizing the code for specific tasks. Select the scenario appropriate for your task:
Implementation Document Conversion Document Archiving	Document Conversion     Suitable for converting documents into an editable format.     Document Archiving     Suitable for processing paper documents for electronic archives.     Book Archiving     Suitable for processing books magazines and newspapers for electronic libraries
Book Archiving Text Extraction Field-Level Recognition Barcode	Text Extraction     Suitable for extracting entire text from documents to make them searchable and to extract useful data.     Field-Level Recognition     Suitable for recognition of small text fragments to capture data from document fields.     Barcode Recognition     Suitable for recognition
Recognition Business Card Recognition Image Preprocessing	Business Card Recognition     Suitable for converting business cards to electronic format.     Image Preprocessing     Suitable for preparing images for further processing or for improving their visual quality.     Scanning     Suitable for getting images from a scanner and their subsequent processing.



© 2020, ABBYY Production LLC, ABBYY, FINEREADER and ABBYY FineReader are either registered trademarks or trademarks of ABBYY Software Ltd. All product names, trademarks and registered trademarks are property of their respective owners.