Die Angaben in diesem Handbuch können ohne vorherige Ankündigung geändert werden und unterliegen nicht der Haftung von ABBYY.

Die in diesem Handbuch beschriebene Software wird mit einem Lizenzvertrag ausgeliefert. Sie darf nur entsprechend den Bedingungen des Lizenzvertrags verwendet oder kopiert werden. Teile dieses Dokuments dürfen ohne ausdrückliche schriftliche Zustimmung von ABBYY für Zwecke jeglicher Art nicht vervielfältigt oder übertragen werden, unabhängig davon, auf welche Art und Weise oder mit welchen Mitteln, ob elektronisch oder anders, dies geschieht.

Urheberrecht
Inhalt

Installations- und Aktivierungsverfahren nach Lizenztyp und Produktversion ....................... 5
  Bereitstellungsmethoden .................................................................................................................. 5
  Installation auf einem Computer (Standard-Softwareinstallation) .............................................. 5
  Installation auf mehreren Computern ............................................................................................. 6
  Installation auf einem Terminal Server ......................................................................................... 7

Bereitstellen von ABBYY FineReader PDF 15 in einem lokalen Netzwerk (Installation auf mehreren Computern) ............................................................................................................................. 8
  Voraussetzungen für den administrativen Installationsordner ...................................................... 9
  Voraussetzungen für den Lizenzserver ........................................................................................... 9
  Voraussetzungen für die Lizenz-Administratorstation ................................................................. 10
  Voraussetzungen für die Workstation ......................................................................................... 10

Administrative Installation mit Lizenz-Server und License Manager ........................................ 10
  Installieren von License Server und License Manager ................................................................. 11
  Erstellen eines administrativen Installationsverzeichnisses ....................................................... 13

Verwaltung von Lizenzen ............................................................................................................... 14

Bereitstellung eines Auslieferungspakets für mehrere Benutzer mit Einzelplatzlizenzen .... 15
  Voraussetzungen für den administrativen Installationsordner .................................................. 16
  Voraussetzungen für die Workstation .......................................................................................... 16

Erstellen eines administrativen Installationsverzeichnisses für mehrere Benutzer mit Einzelplatzlizenzen ................................................................................................................................. 17

Installation von ABBYY FineReader PDF 15 auf Workstations .................................................. 18
  Interaktive Installation .................................................................................................................. 19
  Installation über die Befehlszeile ................................................................................................. 19
  Hintergrundinstallation ................................................................................................................ 20
    Verwenden von Windows Installer ........................................................................................... 21
    Weitere Befehlszeilenoptionen für die Hintergrundinstallation .............................................. 22
    Deinstallieren von ABBYY FineReader PDF 15 im Hintergrund ......................................... 25
  Verwenden von Active Directory ................................................................................................. 25
    Beispiel: Bereitstellung von ABBYY FineReader PDF 15 mithilfe von Active Directory ...... 26
  Verwenden von Microsoft System Center Configuration Manager (SCCM) .......................... 31
    Beispiel: Bereitstellen von ABBYY FineReader PDF 15 mithilfe von SCCM ..................... 32

Installieren von ABBYY FineReader PDF 15 auf einem Terminal Server .................................. 40
  Systemvoraussetzungen für den Terminalserver ...................................................................... 41
  Einrichten von Windows RemoteApp .......................................................................................... 42
  Einrichtung von Citrix Workspace App ....................................................................................... 45

Verwenden einer Gruppenrichtlinie zur Konfiguration von ABBYY FineReader PDF 15 .......... 51
Inhalt

Einrichten von ABBYY FineReader PDF 15 auf einem lokalen Computer .................................................... 53
Einrichten von ABBYY FineReader PDF 15 auf allen Rechnern der Domäne gleichzeitig .......................... 55

Installationsupdates ........................................................................................................................................ 57

Häufig gestellte Fragen .................................................................................................................................. 58

Kann ich ein Betriebssystem mit installiertem ABBYY FineReader PDF 15 klonen? ............................... 58
Wie kann ich die Netzwerkverbindungseinstellungen ändern? ................................................................. 59
Einrichten des Verbindungsprotokolls ..................................................................................................... 60
Einrichten des Verbindungssports ........................................................................................................... 61
Wie kann ich ABBYY FineReader PDF 15 auf den Workstations reparieren? ........................................ 61
Reparieren von ABBYY FineReader PDF 15 im interaktiven Modus ...................................................... 61
Reparieren von ABBYY FineReader PDF 15 mithilfe der Befehlszeile .................................................. 62
Wie kann ich den für License Server als Host fungierenden Computer umbenennen, bzw. wie kann ich License Server auf einen anderen Computer verschieben? ............................................ 63

Technischer Support .................................................................................................................................... 64

Drittanbietersoftware ................................................................................................................................... 64
Installations- und Aktivierungsverfahren nach Lizenztyp und Produktversion

Verfügbarkeit der Bereitstellungsmethoden für jeden Lizenztyp

<table>
<thead>
<tr>
<th>Installation auf einem Computer (Standard-Softwareinstallation)</th>
<th>Einzelplatz</th>
<th>Pro Platz</th>
<th>Gleitlizenz</th>
<th>Remote-Benutzer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation auf einem Terminal Server</td>
<td></td>
<td></td>
<td></td>
<td>+</td>
</tr>
<tr>
<td>Installation auf mehreren Computern: Administratives Installationsverzeichnis</td>
<td></td>
<td></td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Installation auf mehreren Computern: Administratives Installationsverzeichnis mit automatischer Aktivierung</td>
<td></td>
<td></td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Bereitstellungsmethoden

Installation auf einem Computer (Standard-Softwareinstallation)

1. Diese Methode eignet sich für alle Lizenztypen, mit Ausnahme der Gleitlizenz.
2. Ist FineReader installiert, muss es aktiviert werden.
Installation auf mehreren Computern

Sie können für die Installation von ABBYY FineReader auf mehreren Computern ein administratives Installationsverzeichnis erstellen und ABBYY FineReader von einem Server aus für die Arbeitsplatzrechner bereitstellen.

ABBYY FineReader wird vom Server aktiviert.

1. Erstellen einer administrativen Installation

**Administrative Installation mit Lizenzserver und License Manager**

- Auf den Arbeitsplatzrechnern wird keine Internetverbindung benötigt.
- Der License Manager wird benötigt.
- Das Produkt kann nur auf Arbeitsplatzrechnern im selben lokalen Netzwerk installiert werden.

**Administratives Installationsverzeichnis für mehrere Benutzer mit Einzelplatzlizenzen und automatischer Aktivierung**

- Auf den Workstations wird eine Internetverbindung benötigt.
- Der License Manager wird nicht benötigt.
- Mit diesem Verfahren kann FineReader auf Computern in verschiedenen lokalen Netzwerken bereitgestellt werden.

2. Bereitstellungsverfahren

Installieren Sie ABBYY FineReader auf Workstations anhand eines der folgenden Verfahren:

- **manuell im interaktiven Modus**
- **über die Befehlszeile**
  Sie können die Hintergrundinstallation verwenden. Während der Installation werden keine Dialogfelder angezeigt.
- **Active Directory**
  - Dieses Verfahren kann mit der Gruppenrichtlinienverwaltung für die Bereitstellung von FineReader für bestimmte Computer oder Domänengruppen verwendet werden.
  - Spezielle Menüelemente und Optionen, die eine Internetverbindung benötigen, können ausgeblendet werden. Auch das Softwareverhalten kann geändert werden. Weitere Informationen finden Sie unter Verwenden einer Gruppenrichtlinie zur Konfiguration von ABBYY FineReader 15[51].
• **Microsoft System Center Configuration Manager (SCCM)**  
  Dieses Verfahren ist größtenteils automatisiert.

### Installation auf einem Terminal Server

Mit einer **Gleitlizenz** oder **Remote-Benutzer-Lizenz**:

1. Wenn Sie diesen Lizenztyp wählen, müssen Sie ein administratives Installationsverzeichnis erstellen und License Server und License Manager installieren.

2. Für die Aktivierung von ABBYY FineReader PDF 15 muss der License Manager verwendet werden.

3. Ein Lizenzserver sollte auf einem Rechner bereitgestellt werden, der für alle Terminal Server jederzeit zugänglich ist.
Bereitstellen von ABBYY FineReader PDF 15 in einem lokalen Netzwerk (Installation auf mehreren Computern)

ABBYY FineReader PDF 15 kann in einem lokalen Netzwerk installiert und verwendet werden.

Durch die automatischen Installationsverfahren können Sie ABBYY FineReader PDF 15 Corporate schnell und flexibel in einem lokalen Netzwerk installieren, da das Programm nicht manuell auf den einzelnen Workstations installiert werden muss.

ABBYY FineReader kann über jeden Computer bereitgestellt werden, auf dem Microsoft Windows 7 SP1 (oder eine spätere Version) ausgeführt wird.

Die Bereitstellung erfolgt mit den folgenden Schritten:

1. **Administrative Installation**
   - Installieren von ABBYY FineReader PDF 15 License Server und ABBYY FineReader PDF 15 License Manager
     Ausführliche Informationen erhalten Sie unter [Installieren von License Server und License Manager](#).
     **Hinweis:** Der Computer, auf dem ABBYY FineReader PDF 15 License Manager installiert ist, wird zur Lizenz-Administratorstation.
   - Erstellen eines administrativen Installationsverzeichnisses
     Ausführliche Informationen erhalten Sie unter [Erstellen eines administrativen Installationsverzeichnisses](#).
     **Hinweis:** Sie haben die Möglichkeit, die vom License Server, dem License Manager und den Workstations verwendeten Netzwerkverbindungseinstellungen zu ändern. Weitere Informationen finden Sie unter [Wie kann ich die Netzwerkverbindungseinstellungen ändern?](#).
     **Hinweis:** Das administrative Installationsverzeichnis und License Server können sich entweder auf dem gleichen oder auf verschiedenen Computern befinden.

2. **Verwaltung der Lizenzen**
   Die Lizenzen werden mit dem ABBYY FineReader PDF 15 License Manager verwaltet.
   Ausführliche Informationen erhalten Sie unter [Verwaltung von Lizenzen](#).
3. **Installieren von ABBYY FineReader auf Workstations mit einer der folgenden Methoden:**

   - manuell im interaktiven Modus
   - über die Befehlszeile
   - Active Directory
   - Microsoft System Center Configuration Manager (SCCM)

   Ausführliche Informationen erhalten Sie unter [Installation von ABBYY FineReader 15 auf Workstations](#).

**Hinweis.** Die 32-Bit-Version von ABBYY FineReader PDF 15 kann nicht auf einem 64-Bit-System installiert werden. Dasselbe gilt für die Installation einer 64-Bit-Version auf einem 32-Bit-System.

**Wichtig!**

Legen Sie License Server und das administrative Installationsverzeichnis nicht im selben Ordner ab.

**Voraussetzungen für den administrativen Installationsordner**

1. 1.2 GB freier Festplattenspeicher für die Erstellung eines administrativen Installationsverzeichnisses

2. Lesezugriff für den administrativen Installationsordner (z. B. `\MyFileServer\Distribs\ABBYY FineReader PDF 15`) für alle Benutzer, auf deren Computer ABBYY FineReader installiert werden soll.


**Voraussetzungen für den Lizenzserver**

1. 100 MB freier Festplattenspeicher für die Erstellung von Lizenzdateien und Konten.


3. Die Anzahl der Verbindungen, die vom Betriebssystem des Lizenzservers unterstützt wird, muss mindestens der Gesamtanzahl potenzieller Benutzer des Programms entsprechen (für **Gleitlizenz** und **Remote-Benutzer-Lizenzen**).

4. Eine stabile Verbindung zum Lizenzserver auf allen Workstations.
Voraussetzungen für die Lizenz-Administratorstation


2. Die ausgewählte Sprache für die Benutzeroberfläche muss vom Betriebssystem unterstützt werden.

3. 100 MB freier Festplattenspeicher.

Voraussetzungen für die Workstation

1. 1 GHz oder schnellerer 32-Bit-(x86) oder 64-Bit-(x64) Prozessor mit dem SSE2-Befehlsatz.


3. 1 GB RAM (4 GB empfohlen) Bei Mehrprozessorsystemen sind für jeden zusätzlichen Prozessor weitere 512 MB RAM erforderlich.

4. 1.2 GB für die Installation aller Programmkomponenten; 1.2 GB für die Ausführung des Programms.

5. Grafikkarte und Monitor mit Unterstützung einer Mindestauflösung von 1024*768.

6. Tastatur und Maus oder anderes Zeigegerät.

7. Microsoft .NET Framework 4.5 oder höher (fehlt möglicherweise auf Workstations mit Microsoft Windows 7 SP1 oder Microsoft Windows Server 2008 R2 SP1).

Administrative Installation mit Lizenz-Server und License Manager
Installieren von License Server und License Manager

1. Starten Sie die Datei AutoRun.exe im Installationsordner und wählen Sie Masseninstallation > Mit Lizenzmanager installieren und aktivieren > Schritt 1. Installieren Sie Lizenzserver und License Manager.
Alternativ starten Sie die Datei License Server\Setup.exe im Installationsordner.

2. Befolgen Sie die Anweisungen im Installationsprogramm.
Bei der Installation haben Sie folgende Möglichkeiten:

- Installieren von ABBYY FineReader License Server und ABBYY FineReader License Manager. License Server und License Manager werden auf demselben Computer installiert. Sie können einen Ordner angeben, in dem License Manager installiert werden soll.

- Installieren Sie nur ABBYY FineReader PDF 15 License Manager. Sie müssen einen Ordner angeben, in dem License Manager installiert werden soll, sowie den Namen des Computers, auf dem License Server ausgeführt wird.

Hinweis:

1. Wenn mehrere Benutzer die ABBYY FineReader PDF 15-Lizenzen verwalten, muss License Manager jeweils auf ihrem Computer installiert sein.

2. Jeder Benutzer muss Mitglied einer der beiden folgenden lokalen Gruppen auf dem Server sein:

- ABBYY-Lizenzierungsadministratoren
- BUILTIN\Administratoren
Sie können die Benutzerautorisierung in der Datei %commonprogramfiles% \ABBYY\FineReader\15\Licensing\NetworkLicenseServer.ini deaktivieren (oder %commonprogramfiles(x86)%\ABBYY\FineReader\15\Licensing\NetworkLicenseServer.ini bei Verwendung eines 64-Bit-Systems)
Diese Datei befindet sich auf dem Computer, auf dem License Server installiert wurde. Fügen Sie dieser Datei die folgenden Parameter hinzu:

[Licensing]
EnableManagerAuthorization = false

Wichtig! Die geänderten Einstellungen werden erst nach einem Neustart von ABBYY FineReader PDF 15 Licensing Service wirksam.
Erstellen eines administrativen Installationsverzeichnisses

1. Starten Sie die Datei **AutoRun.exe** im Installationsordner und wählen Sie **Masseninstallation** > **Mit Lizenzmanager installieren und aktivieren** > **Schritt 2. Erstellen einer administrativen Installation**.

   Alternativ verwenden Sie die Befehlszeile für die Ausführung des folgenden Befehls im Installationsordner: **Setup.exe /a**.

   **Hinweis:** siehe [Weitere Befehlszeilenoptionen für die Hintergrundinstallation](https://www.abbyy.com/de/support/) mit zusätzlichen Optionen für die Installation über die Befehlszeile.

2. Befolgen Sie die Anweisungen im Installationsprogramm.

   Wenn im Installationsprogramm die entsprechende Aufforderung angezeigt wird, geben Sie Folgendes an:

   - Name des Computers, auf dem License Server installiert werden soll
     
     **Hinweis:** Anstelle des Namens kann die IP-Adresse des Servers verwendet werden.

   - Pfad zum administrativen Installationsordner

**Wichtig!** Verschieben Sie den administrativen Installationsordner möglichst nicht, nachdem ABBYY FineReader auf den Workstations installiert wurde.
Verwaltung von Lizenzen

ABBYY FineReader PDF 15 License Manager ist eine spezielle Anwendung, die mit ABBYY FineReader PDF 15 bereitgestellt wird und für die Verwaltung von Lizenzen für ABBYY FineReader vorgesehen ist. Die Anwendung wird auf der Lizenz-Administratorstation installiert, wenn ABBYY FineReader PDF 15 in einem lokalen Netzwerk bereitgestellt wird (siehe Installieren von License Server und License Manager für ausführliche Informationen).

Konfiguration Ihrer Lizenzen mit ABBYY FineReader PDF 15 License Manager:

1. **Fügen Sie Ihre Lizenzen ABBYY FineReader PDF 15 License Manager hinzu.**
   Eine ABBYY FineReader PDF 15-Lizenz (oder Lizenzgruppe) besitzt zur Identifizierung eine eindeutige Seriennummer. Um eine Lizenz zu aktivieren und diese ABBYY FineReader PDF 15 hinzuzufügen, müssen Sie deren Seriennummer aktivieren.

2. **Erstellen Sie Lizenz-Pools und fügen Sie die notwendigen Lizenzen den Pools hinzu.**

3. **Pools und Lizenzen für die entsprechenden Workstations und Benutzer reservieren.**
   Vor der Installation von ABBYY FineReader PDF 15 auf den Workstations müssen Sie die Lizenzen auf die Workstations/Benutzer im ABBYY FineReader PDF 15 License Manager verteilen. Der Verteilungsprozess wird durch das Reservieren einer Lizenz für eine(n) bestimmte(n) Workstation/Benutzer ausgeführt. Sobald eine Lizenz reserviert wurde, können nur die angegebenen Workstations/Benutzer diese verwenden.

Weitere Informationen über Lizenztypen und die Arbeit mit dem ABBYY FineReader PDF 15 License Manager finden Sie in der Hilfedatei von ABBYY FineReader PDF 15 License Manager.

**Bereitstellung eines Auslieferungspakets für mehrere Benutzer mit Einzelplatzlizenzen**

Die Bereitstellung eines Auslieferungspakets für mehrere Benutzer mit automatischer Aktivierung erfordert keine Installation von Lizenzserver und License Manager.

Die Bereitstellung eines Auslieferungspakets für mehrere Benutzer eines lokalen Netzwerks besteht aus den folgenden Schritten:

1. **Administratives Installationsverzeichnis für mehrere Benutzer erstellen**
   
   Mit diesem Schritt wird dem Auslieferungspaket ein Aktivierungsschlüssel für mehrere Benutzer hinzugefügt, was die Installation von ABBYY FineReader auf Workstations, ohne die Eingabe einer Seriennummer ermöglicht.

   Ausführliche Informationen erhalten Sie unter Erstellen eines administrativen Installationsverzeichnisses für mehrere Benutzer mit Einzelplatzlizenzen[17].

2. **Installieren von ABBYY FineReader auf Workstations mit einer der folgenden Methoden:**

   - manuell im interaktiven Modus
   - über die Befehlszeile
   - Active Directory
   - Microsoft System Center Configuration Manager (SCCM)

   Ausführliche Informationen erhalten Sie unter Installation von ABBYY FineReader 15 auf Workstations[18].

**Hinweis:** Die 32-Bit-Version von ABBYY FineReader PDF 15 kann nicht auf einem 64-Bit-System installiert werden. Dasselbe gilt für die Installation einer 64-Bit-Version auf einem 32-Bit-System.
Voraussetzungen für den administrativen Installationsordner

1. 1.2 GB freier Festplattenspeicher für die Erstellung eines administrativen Installationsverzeichnisses

2. Lesezugriff für den administrativen Installationsordner (z. B. \MyFileServer\Programs Distribs\ABBYY FineReader PDF 15) für alle Benutzer, auf deren Computer ABBYY FineReader installiert werden soll.


5. Der Pfad muss die folgenden Anforderungen erfüllen:
   - Der Pfad darf keine Zeichen außerhalb der Codeseite der ausgewählten Sprache für die Standard-Systemsprache für nicht-Unicode-Anwendungen enthalten.
   - Die Namen der Zwischenordner dürfen nicht mit einem Leerzeichen beginnen.

Voraussetzungen für die Workstation

1. 1 GHz oder schnellerer 32-Bit-(x86) oder 64-Bit- (x64) Prozessor mit dem SSE2-Befehlssatz.


3. 1 GB RAM (4 GB empfohlen) Bei Mehrprozessorsystemen sind für jeden zusätzlichen Prozessor weitere 512 MB RAM erforderlich.

4. 1.2 GB für die Installation aller Programmkomponenten; 1.2 GB für die Ausführung des Programms.

5. Grafikkarte und Monitor mit Unterstützung einer Mindestauflösung von 1024*768.

6. Tastatur und Maus oder anderes Zeigegerät.

7. Microsoft .NET Framework 4.5 oder höher (fehlt möglicherweise auf Workstations mit Microsoft Windows 7 SP1 oder Microsoft Windows Server 2008 R2 SP1).
Erstellen eines administrativen Installationsverzeichnisses für mehrere Benutzer mit Einzelplatzlizenzen

1. Starten Sie die Datei `AutoRun.exe` im Installationsordner und wählen Sie Masseninstallation > Installationspaket mit automatischer Aktivierung erstellen und wählen Sie die entsprechende administrative Version des Installationsverzeichnisses.

Alternativ verwenden Sie die Befehlszeile für die Ausführung des folgenden Befehls im Installationsordner: `Setup.exe /a`.

**Hinweis:** siehe [Weitere Befehlszeilenoptionen für die Hintergrundinstallation](#) mit zusätzlichen Optionen für die Installation über die Befehlszeile

2. Folgen Sie den Anweisungen des Installationsprogramms.

Sie können entweder einen Aktivierungsschlüssel für mehrere Benutzer dem Auslieferungspaket hinzufügen oder erstellen ein neues Installationsverzeichnis. Wählen Sie die zweite Option, muss der Pfad zu dem Ordner angegeben werden, wo sich das neue administrative Installationsverzeichnis befindet. Der Pfad muss die folgenden Anforderungen erfüllen:

- Der Pfad darf keine Zeichen außerhalb der Codeseite der ausgewählten Sprache für die Standard-Systemsprache für nicht-Unicode-Anwendungen enthalten.
- Die Namen der Zwischenordner dürfen nicht mit einem Leerzeichen beginnen.

Handbuch für Systemadministratoren anzeigen
Beenden
Als Resultat wird ein ABBYY FineReader-Auslieferungspaket erstellt, das auf Workstations ohne die Eingabe einer Seriennummer installiert werden kann. Das Produkt wird automatisch über das Internet aktiviert, ohne dass der Benutzer diesen Vorgang bestätigen muss. Die Workstation, auf der das Produkt installiert wurde, muss mit dem Internet verbunden sein.

**Installation von ABBYY FineReader PDF 15 auf Workstations**

**Wichtig!** Vor der Installation von ABBYY FineReader PDF 15 auf Workstations müssen Sie:

- Erstellen Sie ein administratives Installationsverzeichnis und konfigurieren Sie mithilfe von ABBYY FineReader PDF 15 License Manager die Lizenzen (siehe Installieren von License Server und License Manager, Erstellen eines administrativen Installationsverzeichnisses, Verwaltung von Lizenzen).

**Hinweis:** Nur dann, wenn die Lizenzen zum Zeitpunkt der Installation entsprechend konfiguriert sind, erhält eine Workstation bei der Installation von ABBYY FineReader PDF 15 eine Einzelplatzlizenz und wird an den Server gebunden.

oder

- Erstellen Sie ein administratives Installationsverzeichnis für mehrere Benutzer (siehe Administratives Installationsverzeichnis für mehrere Benutzer erstellen).

**Hinweis:** Wurde eine Workstation von einem anderen Computer geklont, müssen Sie vor der Installation von ABBYY FineReader den Wert des Security Identifier (SID) ändern, um so Funktionsstörungen des Lizenzierungsmechanismus' zu verhindern.

**Wichtig!** Für die Installation von ABBYY FineReader PDF 15 muss die Workstation über Microsoft .NET Framework 4.5 oder höher verfügen, was auf Workstations mit Microsoft Windows 7 SP1 oder Microsoft Windows Server 2008 R2 SP1 fehlen kann.
Interaktive Installation

1. Erstellen Sie ein administratives Installationsverzeichnis (siehe Administrative Installation mit Lizenz-Server und License Manager) oder ein administratives Installationsverzeichnis für mehrere Benutzer (siehe Administratives Installationsverzeichnis für mehrere Benutzer erstellen).

2. Führen Sie die Datei setup.exe im administrativen Installationsordner aus.

![InstallShield Wizard](image)

3. Befolgen Sie die Anweisungen im Installationsassistenten.

Installation über die Befehlszeile

1. Erstellen Sie ein administratives Installationsverzeichnis (siehe Administrative Installation mit Lizenz-Server und License Manager) oder ein administratives Installationsverzeichnis für mehrere Benutzer (siehe Administratives Installationsverzeichnis für mehrere Benutzer erstellen).

2. Führen Sie die Datei setup.exe im administrativen Installationsordner mit den im Folgenden beschriebenen Befehlszeilenparametern aus.
Hintergrundinstallation

Für eine Hintergrundinstallation geben Sie Folgendes ein:

**Setup.exe /qn**

Bei der Hintergrundinstallation werden keine Installationsdialogfelder angezeigt. Das Programm wird mit der Standardkonfiguration installiert (d. h. die Sprache der Benutzeroberfläche wird entsprechend den Ländereinstellungen des Computers automatisch ausgewählt).

**Hinweis:** Ändern Sie "/qn" zu "/qb", wenn eine Installations-Statusanzeige angezeigt werden soll. Es werden keine anderen Dialogfelder angezeigt.
Verwenden von Windows Installer

Um ABBYY FineReader PDF 15 mithilfe von Windows Installer zu installieren, führen Sie von der Befehlsleiste folgenden Befehl aus:

`msiexec.exe /i "%pathToFile%" /qb`

wobei `%pathToFile%` entweder der Pfad zur Datei `ABBYY FineReader 15 x64.msi` für 64-Bit-Systeme ist oder der Pfad zur Datei `ABBYY FineReader 15.msi` für 32-Bit-Systeme.

**Hinweis:** Anstelle von `/qb` können Sie auch `/qn` oder `/q` verwenden.

**Wichtig!** ABBYY FineReader PDF 15 kann mit Windows Installer nicht im interaktiven Modus installiert werden.

Sie können ABBYY FineReader PDF 15 mit einer der folgenden *.msi-Dateien installieren:

1. mit der *.msi-Datei aus dem administrativen Installationsordner (siehe Erstellen eines administrativen Installationsverzeichnisses)
2. mit der *.msi-Datei aus einem Auslieferungspaket mit automatischer Aktivierung (siehe Bereitstellen eines Auslieferungspakets für mehrere Benutzer mit Einzelplatzlizenzen und automatischer Aktivierung)
3. mit der *.msi-Datei aus dem Ordner, der die Installationsdateien enthält


Installieren Sie Visual C++ wie folgt aus dem Ordner VC-Redist:

- für ein 32-Bit-System, `vcredist_x86.exe` ausführen
- für 64-Bit-System, `vcredist_x86.exe` und `vcredist_x64.exe` ausführen, egal in welcher Reihenfolge.
Weitere Befehlszeilenoptionen für die Hintergrundinstallation

/L<language code> deaktiviert die automatische Auswahl der Sprache der Benutzeroberfläche und installiert ABBYY FineReader mit der in der Befehlszeile angegebenen Sprache.

Mögliche Werte für den Sprachencode*:

1026  Bulgarisch
1028  Chinesisch (traditionell)
1029  Tschechisch
1030  Dänisch
1031  Deutsch
1032  Griechisch
1033  Englisch
1034  Spanisch
1036  Französisch
1038  Ungarisch
1040  Italienisch
1041  Japanisch
1042  Koreanisch
1043  Niederländisch
1045  Polnisch
1046  Portugiesisch (Brasilien)
1049  Russisch
1051  Slowakisch
1053  Schwedisch
1055  Türkisch
1058  Ukrainisch
1066  Vietnamesisch
2052  Chinesisch (vereinfacht)
*Die Anzahl der verfügbaren Sprachen hängt vom jeweiligen Auslieferungspaket ab.*

/V"<Befehlszeile>" leitet die angegebene Befehlszeile direkt an **msiexec.exe** weiter.

/a – erlaubt die Erstellung eines administrativen Installationsverzeichnisses

Anstatt der Worte "Befehlszeile" können Sie Folgendes festlegen:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Beschreibung</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSTALLDIR=&quot;&lt;path&gt;&quot;</td>
<td>gibt den Pfad zu dem Ordner an, in dem ABBYY FineReader PDF 15 installiert wird.</td>
</tr>
<tr>
<td>EXPLORER_INTEGRATION=0</td>
<td>Verbietet die Integration von ABBYY FineReader PDF 15 in Windows Explorer.</td>
</tr>
<tr>
<td>SHCTDESKTOP=0</td>
<td>Verbietet die Erstellung eines Symbols von ABBYY FineReader PDF 15 auf dem Desktop.</td>
</tr>
<tr>
<td>SSR_AUTORUN=0</td>
<td>Verbietet den Start von ABBYY Screenshot Reader beim Systemstart.</td>
</tr>
<tr>
<td>STATISTICS_ALLOWED=0</td>
<td>Verbietet, dass Informationen über die ausgewählten Einstellungen von ABBYY FineReader PDF 15 über das Internet an ABBYY gesendet werden.</td>
</tr>
<tr>
<td>CHECK_UPDATES=0</td>
<td>Verbietet das Überprüfen auf Updates.</td>
</tr>
<tr>
<td>INSTALL_UPDATES=0</td>
<td>Verbietet das Herunterladen und Installieren von Updates.</td>
</tr>
<tr>
<td>MARKETING_TIPS_ALLOWED=0</td>
<td>Verbietet die Anzeige von Werbenachrichten.</td>
</tr>
<tr>
<td>SSR=0</td>
<td>Verbietet die Installation von ABBYY Screenshot Reader.</td>
</tr>
<tr>
<td>HF=0</td>
<td>Verbietet die Installation von ABBYY Hot Folder.</td>
</tr>
<tr>
<td>Parameter</td>
<td>Beschreibung</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>COMPARATOR=0</td>
<td>Verbietet die Installation von ABBYY-Dokumentenvergleich</td>
</tr>
<tr>
<td>SN= &lt;serial number&gt;</td>
<td>Gibt die Seriennummer für die automatische Aktivierung einer Einzelplatzlizenz an.</td>
</tr>
<tr>
<td>LIC_SERVER_NAME=&lt;path&gt;</td>
<td>Gibt den Pfad zum Lizenzserver an.</td>
</tr>
<tr>
<td>ADMIN_SETUP=Serial/Server</td>
<td>Erstellt ein administratives Installationsverzeichnis des angegebenen Typs:</td>
</tr>
<tr>
<td></td>
<td>ADMIN_SETUP=Serial</td>
</tr>
<tr>
<td></td>
<td>Zeigt ein Dialogfeld an, wo die Seriennummer für die automatische Aktivierung eingeben werden kann.</td>
</tr>
<tr>
<td></td>
<td>ADMIN_SETUP=Server</td>
</tr>
<tr>
<td></td>
<td>Zeigt ein Dialogfeld an, wo Sie die Adresse des Lizenzierungsservers eingeben können.</td>
</tr>
<tr>
<td></td>
<td><strong>Hinweis:</strong> Der Parameter ADMIN_SETUP sollte über eine Kombination der Tasten &quot;/a /v&quot; an setup.exe weitergeleitet werden.</td>
</tr>
<tr>
<td>EULA_ACCEPTED=1</td>
<td>Unterdrückt die Anzeige des ABBYY FineReader PDF 15-Endbenutzer-Lizenzvertrags. Der Endbenutzer-Lizenzvertrag und die Datenschutzrichtlinie gelten als akzeptiert.</td>
</tr>
</tbody>
</table>

Z. B.:

```bash
Setup.exe /qn /L1049 /v INSTALLDIR="C:\ABBYY FineReader PDF 15"
STATISTICS_ALLOWED=0
```

Deinstallieren von ABBYY FineReader PDF 15 im Hintergrund

Führen Sie auf der Workstation den folgenden Befehl aus:

msiexec /x {Produktcode},

und geben sie abhängig von Installationstyp und Windows-Architektur einen der folgenden an, anstelle von {Produktcode}:

<table>
<thead>
<tr>
<th>Basis-/Vollinstallation</th>
<th>x86</th>
</tr>
</thead>
<tbody>
<tr>
<td>{F15000FE-0001-0000-0000-074957833700}</td>
<td>{F15000FE-0001-6400-0000-074957833700}</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SLE-Installation</th>
<th>x64</th>
</tr>
</thead>
<tbody>
<tr>
<td>{F15000BE-0001-0000-0000-074957833700}</td>
<td>{F15000BE-0001-6400-0000-074957833700}</td>
</tr>
</tbody>
</table>

z. B.:

msiexec /x {F15000FE-0001-0000-0000-074957833700}

Verwenden von Active Directory

Die Betriebssysteme der Microsoft Windows Server-Familie beinhalten einen Verzeichnisdienst Active Directory (AD). Die Funktion Gruppenrichtlinie der AD-Komponente Softwareinstallation kann für die gleichzeitige Installation der Software auf mehreren Workstations per Fernzugriff verwendet werden.

In Active Directory gibt es drei Installationsverfahren:

1. Für Benutzer veröffentlichen (nicht unterstützt)
2. Zu Benutzer zuweisen(nicht unterstützt)
3. Zu Computer zuweisen

ABBYY FineReader kann nur mithilfe des Verfahrens Zu Computer zuweisen installiert werden.

Beispiel: Bereitstellung von ABBYY FineReader PDF 15 mithilfe von Active Directory

Das folgende Beispiel beschreibt die Bereitstellung unter Microsoft Windows Server 2012 R2.

1. Erstellen Sie ein administratives Installationsverzeichnis (siehe Administrative Installation mit Lizenz-Server und License Manager) oder ein administratives Installationsverzeichnis für mehrere Benutzer (siehe Administratives Installationsverzeichnis für mehrere Benutzer erstellen).


2. Starten Sie die Konsole Gruppenrichtlinienverwaltung (gpmc.msc).


4. Klicken Sie mit der rechten Maustaste auf den ausgewählten Strukturknoten und klicken Sie auf Hier ein Create a GPO ... and Link it here... (GPO erstellen ... und verlinken...) im Kontextmenü.
5. Geben Sie einen beschreibenden Namen ein, und klicken Sie auf **OK**.

![New GPO](image)

6. Klicken Sie auf die Schaltfläche **Add...** in der Gruppe **Security Filtering** und geben Sie die Gruppen an, die Computer enthalten, auf denen ABBYY FineReader PDF 15 installiert werden soll.

![Group Policy Management](image)
7. Klicken Sie mit der rechten Maustaste auf das erstellte Gruppenrichtlinienobjekt (GPO) und klicken Sie auf **Edit...** im Kontextmenü.

8. Im **Dialogfeld Group Policy Management Editor (Gruppenrichtlinien Management Editor)** wählen Sie **Computer Configuration > Policies > Software Settings > Software installation**.

10. Geben Sie den Netzwerkpfad zur Datei **ABBYY FineReader 15.msi** an (bei der Installation auf 32-Bit-Systemen) oder zur Datei **ABBYY FineReader 15 x64.msi** an (bei der Installation von 64-Bit-Systemen). Diese Dateien befinden sich im Auslieferungsordner von ABBYY FineReader PDF 15 auf dem Server.

11. Wählen Sie die Bereitstellungsmethode **Erweitert**.

12. Ein Dialogfeld öffnet sich. Bei der Installation der 32-Bit-Version, klicken Sie auf die Schaltfläche **Erweitert** auf der Registerkarte **Bereitstellung** und stellen sicher, dass die Option **Diese 32-Bit-X86-Anwendung für Win64-Computer bereitstellen** deaktiviert ist.
13. Wählen Sie die Registerkarte **Modifications** und klicken Sie auf **Add...**

14. Wählen Sie die Dateien für die Sprache der Benutzeroberfläche der gewünschten Sprache der Benutzeroberfläche von ABBYY FineReader PDF 15. Die Dateien für die Sprache der Benutzeroberfläche befinden sich im administrativen Installationsordner auf dem Server.

Dateinamen und zugehörige Sprachen:

- 1026.mst  Bulgarisch
- 1028.mst  Chinesisch (traditionell)
- 1029.mst  Tschechisch
- 1030.mst  Dänisch
- 1031.mst  Deutsch
- 1032.mst  Griechisch
- 1033.mst  Englisch
- 1034.mst  Spanisch
- 1036.mst  Französisch
- 1038.mst  Ungarisch
Z. B.: Um ABBYY FineReader mit der russischen Benutzeroberfläche zu installieren, wählen Sie 1049.mst.

Verwenden von Microsoft System Center Configuration Manager (SCCM)

Der Microsoft System Center Configuration Manager ermöglicht eine möglichst automatisierte Bereitstellung von Remote-Software in einem Unternehmensnetzwerk.

Die Bereitstellung der Software mithilfe von SCCM erfolgt in drei Phasen:

1. Vorbereiten von ABBYY FineReader PDF 15 für die automatische Installation (Erstellen einer sogenannten "unbeaufsichtigten Installation").

2. Erstellen eines Bereitstellungsskripts, d. h. Auswählen der Installationsparameter:
   - Namen der Computer
   - Zeitpunkt der Installation
   - Installationsbedingungen

3. Installieren der Software auf den angegebenen Computern über SCCM entsprechend den im Skript festgelegten Installationsparametern.
Beispiel: Bereitstellen von ABBYY FineReader PDF 15 mithilfe von SCCM

In diesem Beispiel wird die Bereitstellung unter Microsoft Windows Server 2012 beschrieben.

1. Erstellen Sie ein administratives Installationsverzeichnis (siehe Administrative Installation mit Lizenz-Server und License Manager) oder ein administratives Installationsverzeichnis für mehrere Benutzer (siehe Administratives Installationsverzeichnis für mehrere Benutzer erstellen).

2. Starten Sie die SCCM Administrator Console und wählen Sie den Abschnitt Software Library.

3. Wählen Sie die Option Applications in der Gruppe Application Management.
4. Klicken Sie mit der rechten Maustaste auf die Option **Applications** und klicken Sie auf **Create Application** im Kontextmenü.
5. Wählen Sie im Dialogfeld **Create Application Wizard** die Option **Automatically Detect information about this application from installation files**. Wählen Sie **Windows Installer (*.msi file)** aus der Dropdownliste **Type**. Geben Sie im Feld **Location** den Pfad zum administrativen Installationsverzeichnis an und klicken Sie auf **Next**.

**Hinweis.** Die 32-Bit-Version von ABBYY FineReader PDF 15 kann nicht auf einem 64-Bit-System installiert werden. Dasselbe gilt für die Installation einer 64-Bit-Version auf einem 32-Bit-System.
6. Geben Sie die erforderlichen Informationen über ABBYY FineReader PDF 15 ein. Der Inhalt des Feldes **Installation Program** darf nicht verändert werden. Klicken Sie auf **Next**.
7. Prüfen Sie, ob die Anwendung erfolgreich erstellt wurde und schließen Sie den Dialog Create Application Wizard.
8. Automatisches Hochladen der Installationsdateien zum Server:

a. Klicken Sie mit der rechten Maustaste auf die von Ihnen erstellte Anwendung und klicken Sie dann im Kontextmenü auf **Properties**.
b. Wählen Sie im nächsten Dialogfeld die Registerkarte **Distribution Settings** und aktivieren Sie die Option **Automatically download content when packages are assigned to distribution points**.

![Distribution Settings Dialog](image)

9. **Empfohlene Einstellungen:**
Wählen Sie auf der Registerkarte **Deployment Types** das ABBYY FineReader 15 Windows-Installationsprogramm und klicken Sie auf **Edit**. Wählen Sie im Dialogfeld Eigenschaften die Registerkarte **Content**; legen Sie die **Deployment options** fest auf **Download content from distribution point and run locally**.

10. Um die Anwendung für die Workstations bereitzustellen, klicken Sie mit der rechten Maustaste darauf und klicken im Kontextmenü auf **Deploy**. Wählen Sie die gewünschte **Device Collection** in **Collection**.

**Hinweis:** Benutzersammlung-Installationen werden nicht **unterstützt**.
11. Schließen Sie die Bereitstellung wie gewohnt ab.
Installieren von ABBYY FineReader PDF 15 auf einem Terminal Server

Installation


Application Streaming wird von ABBYY FineReader PDF 15 nicht unterstützt.

Für Gleitlizenz- und Remote-Benutzer-Lizenzen:

1. Führen Sie eine administrative Installation durch.
   License Server und License Manager können auf einem beliebigen Computer des lokalen Netzwerks installiert werden.
   **Wichtig!** Ein Lizenzserver muss auf einem Rechner bereitgestellt werden, der auf allen lokalen Rechnern zugänglich ist und auf dem ABBYY FineReader PDF 15 jederzeit ausgeführt wird.
   **Hinweis.** Der Lizenzserver kann auf dem Terminal Server installiert werden.
   Ausführliche Informationen finden Sie unter Administrative Installation mit Lizenz-Server und License Manager.

2. Starten Sie License Manager.

3. Fügen Sie in License Manager alle Lizenzen hinzu, die Sie besitzen.

4. Installieren Sie ABBYY FineReader PDF 15 aus dem administrativen Installationsordner auf dem Terminalserver.


**Hinweis.** Ist ABBYY Screenshot Reader auf einem Terminalserver installiert und der Zugriff erfolgt über Windows RemoteApp oder Citrix Workspace App, können die Benutzer nur in den Anwendungen Screenshots erstellen, die auf dem Terminalserver ausgeführt werden.

Spezifikationen für Gleitlizenzen und Remote-Benutzer-Lizenzen

Die Anzahl gleichzeitiger Verbindungen wird von den Lizenzparametern begrenzt.

Systemvoraussetzungen für den Terminalserver

ABBY FineReader PDF 15 wurde mit den folgenden Terminalserver-Konfigurationen getestet:


2. Citrix Workspace App 1808
Einrichten von Windows RemoteApp


Installieren Sie ABBYY FineReader PDF 15 auf dem Server.

Erstellen Sie eine Sitzungssammlung:

1. Öffnen Sie den Server Manager und klicken Sie auf Remote Desktop Services > Collections.

2. Klicken Sie auf TASKS > Create Session Collection.

4. Wählen Sie die Server aus, auf denen die Anwendungen ausgeführt werden.

5. Wählen Sie die Gruppen aus, die Zugriff auf die Anwendung haben werden.
6. Geben Sie an, ob Sie eine **User Profile Disc** hinzufügen möchten.

7. Klicken Sie auf **Create**.

Fügen Sie ABBYY FineReader PDF 15 der Sammlung hinzu:

1. Öffnen Sie den **Server Manager** und klicken Sie auf Remote **Desktop Services > Collection > [name of collection]**.

2. Klicken Sie auf **TASKS > Publish RemoteApp Programs**

3. Wählen Sie ABBYY FineReader PDF 15 und klicken Sie auf **Next**.

4. Klicken Sie auf **Publish**.
Einrichtung von Citrix Workspace App

Bei der Bereitstellung von ABBYY FineReader PDF 15 mithilfe von Citrix Workspace App verwenden Sie das Szenario **Installed application accessed from a server**.

Bereitstellung von ABBYY FineReader PDF 15 Corporate:

1. Installieren Sie FineReader auf allen Servern der Zustellungsgruppe der Citrix-Farm*.
2. Erstellen Sie einen Lizenzierungsserver und fügen Sie eine ausreichende Anzahl Lizenzen hinzu.

**Hinweis.** Startet ein Benutzer ABBYY Hot Folder oder eine andere gebündelte Anwendung, ohne FineReader zu starten, wird dem Benutzer trotzdem eine **Gleitlizenz/Remote-Benutzer** zugeordnet. Das oben genannte gilt nicht für ABBYY Screenshot Reader, da für dessen Start keine **Gleitlizenz/Remote-Benutzer-Lizenz** benötigt wird.

* Eine Farm besteht aus mehreren Citrix-Servern, die für zentrale Administration, Lastverteilung und Fehlertoleranz miteinander verbunden sind.

**Beispiel: Einrichtung von Citrix Workspace App 1808**

1. Öffnen Sie Citrix Studio.
2. Wählen Sie die Farm aus, wo ABBYY FineReader PDF 15 bereitgestellt werden soll.

**So erstellen Sie eine neue Zustellungsgruppe:**

1. Klicken Sie auf **Delivery Groups > Create Delivery group.**
2. Wählen Sie im Schritt **Machines** einen Rechnerkatalog aus der Liste und geben Sie die Anzahl der Server ein, die Sie verwenden möchten.

3. Geben Sie auf der Registerkarte **Users** an, welche Benutzer Zugriff auf die Zustellungsgruppe haben oder beschränken Sie die Zustellungsgruppe auf bestimmte Benutzer.
4. Klicken Sie im Schritt **Applications** auf **Add...** und wählen Sie die Anwendungen aus, die in der Zustellungsgruppe gestartet werden können.

4.1. **From start menu...**

Wählen Sie ABBYY FineReader PDF 15 aus der Liste. Wenn Sie möchten, dass die Benutzer Zugriff auf die gebündelten Anwendungen haben sollen, ohne zuerst FineReader starten zu müssen, wählen Sie diese Anwendungen aus. Klicken Sie auf **OK**.
4.2 Manually...

Sind auf den ausgewählten Servern mehrere Anwendungsverzeichnisse verfügbar, wählen Sie mit ABBYY FineReader PDF 15 im Feld **Working directory** das Verzeichnis aus. Geben Sie unter **Path to the executable file**, den Pfad zu FineReader.exe an und geben Sie dann jeweils für Benutzer und Administratoren einen Namen für die Anwendung ein. Klicken Sie auf **OK**.
4.3. Fügen Sie alle Anwendungen hinzu, die in derselben Zustellungsgruppe wie ABBYY FineReader PDF 15 angezeigt werden sollen und klicken Sie auf **Next**.

5. Fügen Sie im Schritt **Desktops** die Desktops hinzu, die von der Zustellungsgruppe bereitgestellt werden. Wenn Sie für Desktops keinen Zugriff bereitstellen möchten, überspringen Sie diesen Schritt.

6. Geben Sie im Schritt **Summary** unter **Delivery Group name** einen Namen für die Zustellungsgruppe und unter **Delivery Group description, used as label in Receiver (optional)** eine Bezeichnung ein. Schließen Sie die Erstellung der Zustellungsgruppe ab.
7. Wählen Sie die soeben erstellte Zustellungsgruppe aus und klicken Sie auf Edit Delivery Group. Wählen Sie im nächsten Dialogfeld die Registerkarte StoreFront, aktivieren Sie die Option Automatically, using the StoreFront servers selected below legen Sie die StoreFront-Server der Zustellungsgruppe fest.

So fügen Sie ABBYY FineReader PDF 15 einer vorhandenen Zustellungsgruppe hinzu:

1. Wählen Sie die Zustellungsgruppe aus, der Sie FineReader hinzufügen möchten und klicken Sie auf Add Applications.

2. Fügen Sie ABBYY FineReader PDF 15 auf die gleiche Weise hinzu, wie in Schritt 4 für eine neue Zustellungsgruppe beschrieben.
Verwenden einer Gruppenrichtlinie zur Konfiguration von ABBYY FineReader PDF 15

Der Administrator kann Menüelemente und Optionen zum Senden oder Herunterladen von Daten über das Internet deaktivieren. Der Administrator kann auch das Verhalten von ABBYY FineReader PDF 15 verändern. Die folgenden Optionen stehen zur Verfügung:

**Enable 'ABBYY Website' menu item** – Zeigt das Menüelement Hilfe > FineReader PDF Blog an

**Enable 'Check for Updates' menu item** – Zeigt das Menüelement Hilfe > Auf Updates überprüfen an

**Enable 'Send Feedback' menu item** – Zeigt das Menüelement Hilfe > Feedback senden an

**Enable Usage Statistics** – Ermöglicht dem Programm das Senden anonymer Daten über die Einstellungen in ABBYY FineReader PDF 15 und von Nutzungsstatistiken an ABBYY zum Zweck der Softwareverbesserung

**Enable 'Activate...' menu item** – Zeigt das Menüelement Hilfe > Aktivieren... an

**Enable 'Register...' menu item** – Zeigt das Menüelement Hilfe > Registrieren... an

**Enable loading marketing tips from the ABBYY servers** – Ermöglicht den Download von Tipps und ABBYY Marketing-Nachrichten von den ABBYY-Servern

**Automatically check for updates** – Überprüft automatisch auf ABBYY FineReader PDF 15-Updates

**Accept EULA and Privacy Policy on behalf of all group users** – Fordern Sie die Benutzer nicht auf, die EULA und die Datenschutzrichtlinien zu akzeptieren. Durch die Verwendung dieser Gruppenrichtlinie akzeptiert der Administrator den EULA und die Datenschutzrichtlinien im Namen der Benutzer der Gruppe.

**Achtung:** Sie werden nicht erneut aufgefordert, Änderungen des EULA und der Datenschutzrichtlinien zu akzeptieren. Der Gruppenadministrator ist dafür verantwortlich, bei der Installation alle Änderungen zu überwachen, die sich aus Produktaktualisierungen ergeben. Durch die Verwendung des aktualisierten Produkts akzeptieren Sie die neuesten Versionen der EULA und der Datenschutzrichtlinien. Der Gruppenadministrator kann die Zustimmung nach der Installation der neuesten Aktualisierungen innerhalb von 10 Tagen widerrufen, indem er sie deinstalliert.

**Prompt to make ABBYY FineReader 15 the default PDF application** – Aktiviert ein Dialogfenster, das Sie auffordert, ABBYY FineReader PDF 15 als Standard-PDF-Betrachter auszuwählen.
Max number of CPU cores: N – Legt eine maximale Anzahl von Prozessoren fest, die von ABBYY FineReader PDF 15 verwendet werden können (Einstellung N=0 entfernt diese Beschränkung)

Period of inactivity (hrs) after which license will be lost: M – Gibt die Gleitlizenz-/Remote-Benutzer-Lizenz nach M Stunden der Benutzerinaktivität frei (die Einstellung M=0 deaktiviert diese Option)

Hinweis: Um die oben genannten Parameter zu ändern, laden Sie die Dateien FineReader15.admx und FineReader15.adml herunter.
Einrichten von ABBYY FineReader PDF 15 auf einem lokalen Computer

1. Laden Sie die Dateien FineReader15.admx und FineReader15.adml herunter.

2. Legen Sie die Datei FineReader.admx im Ordner %systemroot%\policyDefinitions und die Datei FineReader15.adml im Ordner%systemroot%\policyDefinitions\en-US ab.

3. Öffnen Sie das Dialogfeld Ausführen (Win + R) und führen Sie gpedit.msc aus. Dadurch wird das Fenster Lokaler Gruppenrichtlinien-Editor geöffnet.

5. Markieren Sie die entsprechenden Parameter und klicken Sie auf **OK**.

6. Um Ihre Änderungen zu speichern, aktualisieren Sie die Gruppenrichtlinien und starten Sie ABBYY FineReader PDF 15 auf der Workstation neu.

**Hinweis.** Mithilfe der Gruppenrichtlinie konfigurierte Parameter werden global für alle Anwendungen übernommen, die Teil von ABBYY FineReader PDF 15 sind.
Einrichten von ABBYY FineReader PDF 15 auf allen Rechnern der Domäne gleichzeitig

1. Laden Sie die Dateien FineReader15.admx und FineReader15.adml herunter.

2. Legen Sie die Datei FineReader.admx in den Ordner %systemroot%\sysvol\xxxxx\policies\PolicyDefinitions und die Datei FineReader15.adml in den Ordner %systemroot%\sysvol\xxxxx\policies\PolicyDefinitions\en-us.

3. Öffnen Sie das Dialogfeld Ausführen (Win + R) und führen Sie gpmc.msc aus. Dadurch wird die Konsole Gruppenrichtlinienverwaltung geöffnet.


5. Geben Sie einen Namen für Ihre Gruppenrichtlinie ein und klicken Sie auf OK.


7. Öffnen Sie das Kontextmenü des in Schritt 4 erstellten Gruppenrichtlinienobjekts und wählen Sie Bearbeiten. Dadurch wird das Fenster Gruppenrichtlinie Management Editor geöffnet.
8. Um eine Gruppenrichtlinie zu bearbeiten, wählen Sie **Benutzerkonfiguration** > **Richtlinien** > **Administrative Vorlagen: Richtliniendefinitionen (vom zentralen Speicher abgerufene ADMX-Dateien)** > **ABYY FineReader PDF 15** und öffnen Sie die Richtlinie **FineReader 15-Einstellungen ändern**.
9. Markieren Sie die entsprechenden Parameter und klicken Sie auf **OK**.

10. Um die durchgeführten Änderungen zu speichern, aktualisieren Sie die Gruppenrichtlinien auf dem Server und starten ABBYY FineReader PDF 15 auf der Workstation neu.

**Hinweis.** Mithilfe der Gruppenrichtlinie konfigurierte Parameter werden global für alle Anwendungen übernommen, die Teil von ABBYY FineReader PDF 15 sind.

### Installationsupdates

Gehen Sie wie folgt vor, um ABBYY FineReader PDF 15 auf Workstations zu aktualisieren:

1. Laden Sie die Installationsdateien der neuesten Version von ABBYY FineReader PDF 15 herunter.

2. Installieren Sie ABBYY FineReader PDF 15 auf den Workstations, ohne ein administratives Installationsverzeichnis zu erstellen. Sie können jede beliebige Installationsmethode nutzen. Siehe [Installation von ABBYY FineReader 15 auf Workstations](#)

**Hinweis.** Das Deinstallieren der Vorgängerversion von ABBYY FineReader PDF 15 ist für die Installation eines Updates nicht erforderlich.
Häufig gestellte Fragen
Kann ich ein Betriebssystem mit installiertem ABBYY FineReader PDF 15 klonen?


Wichtig!
1. Ein Klonen ist nur möglich, wenn ABBYY FineReader PDF 15 noch nicht auf einem geklonten Computer ausgeführt wurde.
   Ansonsten muss ABBYY FineReader PDF 15 auf diesem Computer repariert werden. Siehe Wie kann ich ABBYY FineReader PDF 15 auf Workstations reparieren?
2. Nachdem Sie Ihr Betriebssystem geklont haben, müssen Sie dessen Namen und Security Identifier (SID) ändern.
3. Testversionen von ABBYY FineReader PDF 15 können geklont werden.
Wie kann ich die Netzwerkverbindungseinstellungen ändern?

Sie haben die Möglichkeit, die für die Kommunikation mit License Server, License Manager und mit den Workstations verwendeten Verbindungseinstellungen zu ändern.

1. Ändern Sie die folgenden Parameter in der Datei NetworkLicenseServer.ini, die sich auf dem Computer befindet, auf dem (%programfiles%\Common Files\ABBYY\FineReader\15\Licensing\) installiert wurde.

   - Verbindungsprotokoll
     Weitere Informationen erhalten Sie unter Einrichten des Verbindungsprotokolls.

   - Verbindungsport
     Weitere Informationen erhalten Sie unter Einrichten des Verbindungsports.

   Beispiel:
   [Licensing]
   NetworkServer=yes
   ConnectionProtocolType=TCP\IP
   ConnectionEndpointName=81

   **Hinweis:** Stellen Sie sicher, dass Ihre Firewall %programfiles%\Common Files\ABBYY\FineReader\15\Licensing\NetworkLicenseServer.exe den Zugriff auf den angegebenen Port nicht verhindert.

2. Nehmen Sie ähnliche Änderungen an der Datei Licensing.ini in %programfiles%\Common Files\ABBYY\FineReader\15\Licensing\ vor.

3. Kopieren Sie die Datei Licensing.ini in den Ordner License Manager aller Computer, auf denen License Manager installiert wurde (standardmäßig wird der License Manager in %programfiles%\ABBYY FineReader PDF 15 License Server) installiert.

   **Wichtig!** Die geänderten Einstellungen werden erst nach einem Neustart des ABBYY FineReader PDF 15-Lizenzerungsdiensst wirksam.


5. Erstellen Sie ein administratives Installationsverzeichnis.
6. Kopieren Sie die aktualisierte Datei Licensing.ini in %programfiles%\Common Files\ABBYY\FineReader\15\Licensing\ in das administrative Installationsverzeichnis, das Sie soeben erstellt haben.

Beispiel:

7. Stellen Sie sicher, dass der entsprechende Port auf dem Server geöffnet ist.

8. Installieren Sie ABBYY FineReader PDF 15 mithilfe des in Schritt 5 erstellten administrativen Installationsverzeichnisses auf den Workstations.

**Einrichten des Verbindungsprotokolls**

Um das Serverprotokoll einzurichten, verwenden Sie den Parameter `ConnectionProtocolType` in der Datei NetworkLicenseServer.ini in %programfiles%\Common Files\ABBYY\FineReader\15\Licensing.

```
[Licensing]
ConnectionProtocolType=[TCP\IP | NAMED PIPES]
```

Über diesen Parameter können Sie das zu verwendende Protokoll (TCP\IP) oder Named Pipes angeben. Diese Informationen werden verwendet:

- von License Manager für den Zugriff auf License Server
- von den Workstations für den Zugriff auf License Server, wenn ABBYY FineReader PDF 15 auf diesen installiert oder repariert wird

Standardmäßig wird das Named Pipes-Protokoll verwendet.
Einrichten des Verbindungsports

Um den Verbindungsport einzurichten, verwenden Sie den Parameter `ConnectionEndpointName` in der Datei `NetworkLicenseServer.ini` in `%programfiles%\Common Files\ABBYY\FineReader\15\Licensing`.

```
[Licensing]
ConnectionEndpointName=[port number for TCP/IP | channel name for Named Pipes]
```

Der Parameter muss im folgenden Format angegeben werden: `ConnectionEndpointName=\pipe\`

Über diesen Parameter können Sie für das Verbindungsprotokoll den Port bzw. für Named Pipes den Namen des Kanals angeben. Diese Informationen werden verwendet:

- von License Manager für den Zugriff auf License Server
- von den Workstations für den Zugriff auf License Server, wenn ABBYY FineReader PDF 15 auf diesen Workstations installiert oder repariert wird

**Hinweis:** Vermeiden Sie es, beim Installieren von License Server den programmseitig für Named Pipes festgelegten Namen zu ändern. Standardmäßig verwendet Named Pipes den folgenden Namen: `\pipe\ABBYY\FineReader Windows 15.0 Licensing Service`.

Wie kann ich ABBYY FineReader PDF 15 auf den Workstations reparieren?

Für die Programmwiederherstellung kann der Zugriff auf die Installationsdistribution erforderlich sein.

Reparieren von ABBYY FineReader PDF 15 im interaktiven Modus

Auf der jeweiligen Workstation gehen Sie folgendermaßen vor:

1. Wählen Sie unter **Start > Control Panel (Start > Systemsteuerung)** die Option **Programs and Features (Programme und Funktionen)**.

2. Wählen Sie in der Liste der installierten Programme **ABBYY FineReader PDF 15** und klicken Sie dann auf **Change (Ändern)**.

3. Wählen Sie im daraufhin angezeigten Dialogfenster **Program Maintenance (Programmwartung)** die Option **Repair (Reparieren)** aus und klicken Sie auf **Next (Weiter)**.

4. Folgen Sie den Anweisungen des Assistenten.
Reparieren von ABBYY FineReader PDF 15 mithilfe der Befehlszeile

Führen Sie auf der Workstation den folgenden Befehl aus:

`msiexec /f {Produktcode}`,  
und geben sie abhängig von Installationstyp und Windows-Architektur eine der folgenden Eingaben ein, anstelle von `{Produktcode}`:

<table>
<thead>
<tr>
<th></th>
<th>x86</th>
<th>x64</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Basis-/Vollinstallation</strong></td>
<td><code>{F15000FE-0001-0000-0000-074957833700}</code></td>
<td><code>{F15000FE-0001-6400-0000-074957833700}</code></td>
</tr>
<tr>
<td><strong>SLE-Installation</strong></td>
<td><code>{F15000BE-0001-0000-0000-074957833700}</code></td>
<td><code>{F15000BE-0001-6400-0000-074957833700}</code></td>
</tr>
</tbody>
</table>

z. B.:  
`msiexec /f {F15000FE-0001-0000-0000-074957833700}`
Wie kann ich den für License Server als Host fungierenden Computer umbenennen, bzw. wie kann ich License Server auf einen anderen Computer verschieben?

Wenn Sie ABBYY FineReader im lokalen Netzwerk bereitgestellt und dann den Namen des für License Server als Host fungierenden Computers geändert haben bzw. wenn auf dem License Server-Computer ein unerwarteter Fehler aufgetreten ist, gehen Sie folgendermaßen vor:

1. Entfernen Sie License Server von dem entsprechenden Computer.
   **Hinweis:** Wenn Sie auf diesen Computer nicht zugreifen können, gehen Sie zu Schritt 2 über.

   1. Wählen Sie unter **Start > Control Panel (Start > Systemsteuerung)** die Option **Programs and Features (Programme und Funktionen)**.

   1. Wählen Sie in der Liste der installierten Programme **ABBYY FineReader PDF 15 License Server** aus und klicken Sie dann auf **Remove (Entfernen)**.

2. Installieren Sie License Server auf einem anderen Computer, beispielsweise auf `\NewServer`.

3. Auf allen Computern, auf denen License Manager installiert wurde, bearbeiten Sie den Parameter **[Licensing]**
   
   `NetworkServerName=<COMPUTER NAME>` in der Datei `%Program Files%\ABBYY FineReader PDF 15 License Server\LicenseManager.ini` oder fügen ihn zur Datei hinzu.

   Mithilfe des Parameters können Sie den Namen des Servers festlegen, auf den License Manager zugreifen soll. Geben Sie beispielsweise

   ```
   [Licensing]
   NetworkServerName=MyComputerName
   ```

   **Wichtig!** Die geänderten Einstellungen werden erst nach einem Neustart von ABBYY FineReader PDF 15 Licensing Service wirksam.


   **Hinweis:** Falls Sie Einzelplatzlizenzen verwenden, empfehlen wir die Wiederherstellung des Status Ihrer Lizenzen, bevor Sie diese dem License Manager hinzufügen.

5. Öffnen Sie im administrativen Installationsverzeichnis den Ordner ABBYY FineReader PDF 15 und erstellen Sie dort die Datei **Licensing.ini**.

   Der Pfad zum administrativen Installationsordner wurde zuvor bei der Erstellung des administrativen Installationsverzeichnisses festgelegt. Weitere Informationen finden Sie unter **Erstellen eines administrativen Installationsverzeichnisses**.


%programdata%\ABYY\FineReader\15\Lizenzen unter Windows 7 SP1 oder höher.

Technischer Support

Sollten Sie Fragen zur Installation und zur Verwendung von ABBYY FineReader PDF 15 haben, die in diesem Systemadministratorhandbuch nicht beantwortet werden, wenden Sie sich bitte an den technischen Support oder an ein Partnerunternehmen der Firma ABBYY. Kontaktinformationen finden Sie unter https://www.abbyy.com/support/.

Drittanbietersoftware

Adobe Color Profile, APDFL
© 2000-2012 Datalogics, Inc.

Datalogics®, The DL Logo®, PDF2IMG™ and DLE™ are trademarks of Datalogics, Inc.

© 1984-2012 Adobe Systems Incorporated and its licensors. All rights reserved.
Adobe®, The Adobe Logo®, Adobe® PDF Library™, Powered by Adobe PDF Library logo, Reader® are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.

zlib, zlib-CRC32 constants
zlib.h -- interface of the 'zlib' general purpose compression library

version 1.2.8, April 28th, 2013

Copyright (C) 1995-2013 Jean-loup Gailly and Mark Adler

Part of DjVu - Zlib 1.2.7
/* zlib.h -- interface of the 'zlib' general purpose compression library


version 1.2.11, January 15th, 2017

Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler

The technologies listed above are distributed subject to conditions of the following license:

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly       Mark Adler
jloup@gzip.org       madler@alumni.caltech.edu

Adobe Glyph List License

Permission is hereby granted, free of charge, to any person obtaining a copy of this documentation file to use, copy, publish, distribute, sublicense, and/or sell copies of the documentation, and to permit others to do the same, provided that:

- No modification, editing or other alteration of this document is allowed; and
- The above copyright notice and this permission notice shall be included in all copies of the documentation.

Permission is hereby granted, free of charge, to any person obtaining a copy of this documentation file, to create their own derivative works from the content of this document to use, copy, publish, distribute, sublicense, and/or sell the derivative works, and to permit others to do the same, provided that the derived work is not represented as being a copy or version of this document.

Adobe shall not be liable to any party for any loss of revenue or profit or for indirect, incidental, special, consequential, or other similar damages, whether based on tort (including without limitation negligence or strict liability), contract or other legal or equitable grounds even if Adobe has been advised or had reason to know of the possibility of such damages. The Adobe materials are provided on an "AS IS" basis. Adobe specifically disclaims all express, statutory, or implied warranties relating to the Adobe materials, including but not limited to those concerning merchantability or fitness for a particular purpose or non-infringement of any third party rights regarding the Adobe materials.

MD5 message digest algorithm reference implementation
This software is derived in part from the RSA Data Security, Inc. MD5 Message-Digest Algorithm
Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

**little cms**
Copyright (c) 1998-2013 Marti Maria Saguer

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

**Kakadu Software**
Portions of this software are copyright © 2017 Kakadu Software Pty Ltd. All rights reserved.

**Jasper**
JasPer License Version 2.0

Copyright (c) 2001-2006 Michael David Adams

Copyright (c) 1999-2000 Image Power, Inc.

Copyright (c) 1999-2000 The University of British Columbia

All rights reserved.

Permission is hereby granted, free of charge, to any person (the "User") obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

1. The above copyright notices and this permission notice (which includes the disclaimer below) shall be included in all copies or substantial portions of the Software.

2. The name of a copyright holder shall not be used to endorse or promote products derived from the Software without specific prior written permission.

THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF THE SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER. THE SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. NO ASSURANCES ARE PROVIDED BY THE COPYRIGHT HOLDERS THAT THE SOFTWARE DOES NOT INFRINGE THE PATENT OR OTHER INTELLECTUAL PROPERTY RIGHTS OF ANY OTHER ENTITY.

EACH COPYRIGHT HOLDER DISCLAIMS ANY LIABILITY TO THE USER FOR CLAIMS BROUGHT BY ANY OTHER ENTITY BASED ON INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS OR OTHERWISE. AS A CONDITION TO EXERCISING THE RIGHTS GRANTED HEREUNDER, EACH USER HEREBY ASSUMES SOLE RESPONSIBILITY TO SECURE ANY OTHER INTELLECTUAL PROPERTY RIGHTS NEEDED, IF ANY. THE SOFTWARE IS NOT FAULT-TOLERANT AND IS NOT INTENDED FOR USE IN MISSION-CRITICAL SYSTEMS, SUCH AS THOSE USED IN THE OPERATION OF NUCLEAR FACILITIES, AIRCRAFT NAVIGATION OR COMMUNICATION SYSTEMS, AIR TRAFFIC CONTROL SYSTEMS, DIRECT LIFE SUPPORT MACHINES, OR WEAPONS SYSTEMS, IN WHICH THE FAILURE OF THE SOFTWARE OR SYSTEM COULD LEAD DIRECTLY TO DEATH, PERSONAL INJURY, OR SEVERE PHYSICAL OR ENVIRONMENTAL DAMAGE ("HIGH RISK ACTIVITIES"). THE COPYRIGHT HOLDERS SPECIFICALLY DISCLAIM ANY EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR HIGH RISK ACTIVITIES.

DjVu

Portions of this computer program are copyright © 2008 Celartem, Inc. All rights reserved.

Portions of this computer program are copyright © 2011 Caminova, Inc. All rights reserved.

Portions of this computer program are copyright © 2013 Cuminas, Inc. All rights reserved.

DjVu is protected by U.S. Patent No. 6,058,214. Foreign Patents Pending.

Powered by AT&T Labs Technology.

License.DjVu.txt, which contains the terms of Expat, Release 2.0.1 License and of Jasper License Version 2.0:

Expat, Release 2.0.1 Copyright © 1998, 1999, 2000 Thai Open Source Software Center Ltd and Clark Cooper
Copyright © 2001, 2002, 2003, 2004, 2005, 2006 Expat maintainers. Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

JasPer License Version 2.0 Copyright © 2001-2006 Michael David Adams Copyright © 1999-2000 Image Power, Inc. Copyright © 1999-2000 The University of British Columbia All rights reserved. Permission is hereby granted, free of charge, to any person (the "User") obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notices and this permission notice (which includes the disclaimer below) shall be included in all copies or substantial portions of the Software. The name of a copyright holder shall not be used to endorse or promote products derived from the Software without specific prior written permission. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF THE SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER. THE SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. NO ASSURANCES ARE PROVIDED BY THE COPYRIGHT HOLDERS THAT THE SOFTWARE DOES NOT INFRINGE THE PATENT OR OTHER INTELLECTUAL PROPERTY RIGHTS OF ANY OTHER ENTITY. EACH COPYRIGHT HOLDER DISCLAIMS ANY LIABILITY TO THE USER FOR CLAIMS BROUGHT BY ANY OTHER ENTITY BASED ON INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS OR OTHERWISE. AS A CONDITION TO EXERCISING THE RIGHTS GRANTED HEREUNDER, EACH USER HEREBY ASSUMES SOLE RESPONSIBILITY TO SECURE ANY OTHER INTELLECTUAL PROPERTY RIGHTS NEEDED, IF ANY. THE SOFTWARE IS NOT FAULT-TOLERANT AND IS NOT INTENDED FOR USE IN MISSION-CRITICAL SYSTEMS, SUCH AS THOSE USED IN THE OPERATION OF NUCLEAR FACILITIES, AIRCRAFT NAVIGATION OR COMMUNICATION SYSTEMS, AIR TRAFFIC CONTROL SYSTEMS, DIRECT LIFE SUPPORT MACHINES, OR WEAPONS SYSTEMS, IN WHICH THE FAILURE OF THE SOFTWARE OR SYSTEM COULD LEAD DIRECTLY TO DEATH, PERSONAL INJURY, OR SEVERE PHYSICAL OR ENVIRONMENTAL DAMAGE ("HIGH RISK ACTIVITIES"). THE COPYRIGHT HOLDERS SPECIFICALLY DISCLAIM ANY EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR HIGH RISK ACTIVITIES.

libmv (SURF detector)

Copyright (c) 2007, 2008, 2009 libmv authors.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

FAST detector
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the University of Cambridge nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

AGAST++
Copyright (c) 2010, Elmar Mair All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the owner nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

BRISK

BRISK - Binary Robust Invariant Scalable Keypoints

Copyright (C) 2011 The Autonomous Systems Lab (ASL), ETH Zurich, Stefan Leutenegger, Simon Lynen and Margarita Chli.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of the ASL nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

LibJPEG

1. We don't promise that this software works. (But if you find any bugs, please let us know!)

2. You can use this software for whatever you want. You don't have to pay us.

3. You may not pretend that you wrote this software. If you use it in a program, you must acknowledge somewhere in your documentation that you've used the IJG code.

In legalese:

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-1998, Thomas G. Lane.

All Rights Reserved except as specified below.
Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:

(1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.

(2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".

(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

**LibPNG**

libpng versions 1.2.6, August 15, 2004, through 1.2.29, May 8, 2008, are

Copyright (c) 2004, 2006-2008 Glenn Randers-Pehrson, and are

distributed according to the same disclaimer and license as libpng-1.2.5

with the following individual added to the list of Contributing Authors

  - Cosmin Truta

libpng versions 1.0.7, July 1, 2000, through 1.2.5 - October 3, 2002, are

Copyright (c) 2000-2002 Glenn Randers-Pehrson, and are

distributed according to the same disclaimer and license as libpng-1.0.6

with the following individuals added to the list of Contributing Authors

  - Simon-Pierre Cadieux
  - Eric S. Raymond
  - Gilles Vollant

and with the following additions to the disclaimer:

There is no warranty against interference with your enjoyment of the library or against infringement. There is no warranty that our efforts or the library will fulfill any of your particular purposes or needs. This library is provided with all faults, and the entire
risk of satisfactory quality, performance, accuracy, and effort is with
the user.

libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are
Copyright (c) 1998, 1999 Glenn Randers-Pehrson, and are
distributed according to the same disclaimer and license as libpng-0.96,
with the following individuals added to the list of Contributing Authors:
   Tom Lane
   Glenn Randers-Pehrson
   Willem van Schaik

libpng versions 0.89, June 1996, through 0.96, May 1997, are
Copyright (c) 1996, 1997 Andreas Dilger
Distributed according to the same disclaimer and license as libpng-0.88,
with the following individuals added to the list of Contributing Authors:
   John Bowler
   Kevin Bracey
   Sam Bushell
   Magnus Holmgren
   Greg Roelofs
   Tom Tanner

libpng versions 0.5, May 1995, through 0.88, January 1996, are
Copyright (c) 1995, 1996 Guy Eric Schalnat, Group 42, Inc.
For the purposes of this copyright and license, "Contributing Authors"
is defined as the following set of individuals:
   Andreas Dilger
   Dave Martindale
   Guy Eric Schalnat
   Paul Schmidt
   Tim Wegner

The PNG Reference Library is supplied "AS IS". The Contributing Authors
and Group 42, Inc. disclaim all warranties, expressed or implied,
including, without limitation, the warranties of merchantability and of
fitness for any purpose. The Contributing Authors and Group 42, Inc. assume no liability for direct, indirect, incidental, special, exemplary, or consequential damages, which may result from the use of the PNG Reference Library, even if advised of the possibility of such damage. Permission is hereby granted to use, copy, modify, and distribute this source code, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this source code must not be misrepresented.
2. Altered versions must be plainly marked as such and must not be misrepresented as being the original source.
3. This Copyright notice may not be removed or altered from any source or altered source distribution.

The Contributing Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source code as a component to supporting the PNG file format in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated.

Libpng is OSI Certified Open Source Software. OSI Certified Open Source is a certification mark of the Open Source Initiative.

Glenn Randers-Pehrson
glenrp at users.sourceforge.net

May 8, 2008

pixtran (pixtools)
© Copyright 2007 EMC Corporation. All rights reserved.

EMC’s and EMC’s licensors’ intellectual property rights in the Software are protected under all legal theories applicable to the geography where the Software is used;

ABBYY makes You no representations or warranties on behalf of EMC. All rights not expressly granted herein are reserved by EMC.

Intel Integrated Performance Primitives
Copyright © 2002-2008 Intel Corporation.
**Intel® Integrated Performance Primitives (Intel® IPP) 2018**

Copyright (c) 2018 Intel Corporation.

The technologies listed above are distributed subject to conditions of the following license:

Use and Redistribution. You may use and redistribute the software (the “Software”), without modification, provided the following conditions are met:

* Redistributions must reproduce the above copyright notice and the following terms of use in the Software and in the documentation and/or other materials provided with the distribution.

* Neither the name of Intel nor the names of its suppliers may be used to endorse or promote products derived from this Software without specific prior written permission.

* No reverse engineering, decompilation, or disassembly of this Software is permitted.

Limited patent license. Intel grants you a world-wide, royalty-free, non-exclusive license under patents it now or hereafter owns or controls to make, have made, use, import, offer to sell and sell (“Utilize”) this Software, but solely to the extent that any such patent is necessary to Utilize the Software alone. The patent license shall not apply to any combinations which include this software. No hardware per se is licensed hereunder.

Third party and other Intel programs. “Third Party Programs” are the files listed in the “third-party-programs.txt” text file that is included with the Software and may include Intel programs under separate license terms. Third Party Programs, even if included with the distribution of the Materials, are governed by separate license terms and those license terms solely govern your use of those programs.

DISCLAIMER. THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT ARE DISCLAIMED. THIS SOFTWARE IS NOT INTENDED FOR USE IN SYSTEMS OR APPLICATIONS WHERE FAILURE OF THE SOFTWARE MAY CAUSE PERSONAL INJURY OR DEATH AND YOU AGREE THAT YOU ARE FULLY RESPONSIBLE FOR ANY CLAIMS, COSTS, DAMAGES, EXPENSES, AND ATTORNEYS’ FEES ARISING OUT OF ANY SUCH USE, EVEN IF ANY CLAIM ALLEGES THAT INTEL WAS NEGLIGENT REGARDING THE DESIGN OR MANUFACTURE OF THE MATERIALS.

LIMITATION OF LIABILITY. IN NO EVENT WILL INTEL BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. YOU AGREE TO INDEMNIFY AND HOLD INTEL HARMLESS AGAINST ANY CLAIMS AND EXPENSES RESULTING FROM YOUR USE OR UNAUTHORIZED USE OF THE SOFTWARE.

No support. Intel may make changes to the Software, at any time without notice, and is not obligated to support, update or provide training for the Software.

Termination. Intel may terminate your right to use the Software in the event of your breach of this Agreement and you fail to cure the breach within a reasonable period of time.

Feedback. Should you provide Intel with comments, modifications, corrections, enhancements or other input (“Feedback”) related to the Software Intel will be free to use, disclose, reproduce, license or
otherwise distribute or exploit the Feedback in its sole discretion without any obligations or restrictions of any kind, including without limitation, intellectual property rights or licensing obligations.

Compliance with laws. You agree to comply with all relevant laws and regulations governing your use, transfer, import or export (or prohibition thereof) of the Software.

Governing law. All disputes will be governed by the laws of the United States of America and the State of Delaware without reference to conflict of law principles and subject to the exclusive jurisdiction of the state or federal courts sitting in the State of Delaware, and each party agrees that it submits to the personal jurisdiction and venue of those courts and waives any objections. The United Nations Convention on Contracts for the International Sale of Goods (1980) is specifically excluded and will not apply to the Software.

*Other names and brands may be claimed as the property of others.

**LZMA SDK**

LZMA SDK is placed in the public domain.

Anyone is free to copy, modify, publish, use, compile, sell, or distribute the original LZMA SDK code, either in source code form or as a compiled binary, for any purpose, commercial or non-commercial, and by any means.

**jsoncpp**

Copyright (c) 2007-2010 Baptiste Lepilleur

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

**libyaml**

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Intel Math Kernel Library 2017 Update 2

Intel Simplified Software License

(version January 2017)

This license applies to the following products:

Intel® Math Kernel Library (intel® MKL)
Intel® Integrated Performance Primitives (Intel® IPP)
Intel® Distribution for Python
Intel® Machine Learning Scaling Library (Intel® MLSL)

Copyright © 2017 Intel Corporation.

Use and Redistribution. You may use and redistribute the software (the "Software"), without modification, provided the following conditions are met:

Redistributions must reproduce the above copyright notice and the following terms of use in the Software and in the documentation and/or other materials provided with the distribution.

Neither the name of Intel nor the names of its suppliers may be used to endorse or promote products derived from this Software without specific prior written permission.

No reverse engineering, decompilation, or disassembly of this Software is permitted.

Limited patent license. Intel grants you a world-wide, royalty-free, non-exclusive license under patents it now or hereafter owns or controls to make, have made, use, import, offer to sell and sell ("Utilize") this Software, but solely to the extent that any such patent is necessary to Utilize the Software alone. The patent license shall not apply to any combinations which include this software. No hardware per se is licensed hereunder.

Third party and other Intel programs. "Third Party Programs" are the files listed in the "third-party-programs.txt" text file that is included with the Software and may include Intel programs under separate license terms. Third Party Programs, even if included with the distribution of the Materials, are governed by separate license terms and those license terms solely govern your use of those programs.

DISCLAIMER. THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NONINFRINGEMENT ARE DISCLAIMED. THIS SOFTWARE IS NOT INTENDED NOR AUTHORIZED FOR USE IN SYSTEMS OR APPLICATIONS WHERE FAILURE OF THE SOFTWARE MAY CAUSE PERSONAL INJURY OR DEATH.
LIMITATION OF LIABILITY. IN NO EVENT WILL INTEL BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. YOU AGREE TO INDEMNIFY AND HOLD INTEL HARMLESS AGAINST ANY CLAIMS AND EXPENSES RESULTING FROM YOUR USE OR UNAUTHORIZED USE OF THE SOFTWARE.

No support. Intel may make changes to the Software, at any time without notice, and is not obligated to support, update or provide training for the Software.

Termination. Intel may terminate your right to use the Software in the event of your breach of this Agreement and you fail to cure the breach within a reasonable period of time.

Feedback. Should you provide Intel with comments, modifications, corrections, enhancements or other input ("Feedback") related to the Software Intel will be free to use, disclose, reproduce, license or otherwise distribute or exploit the Feedback in its sole discretion without any obligations or restrictions of any kind, including without limitation, intellectual property rights or licensing obligations.

Compliance with laws. You agree to comply with all relevant laws and regulations governing your use, transfer, import or export (or prohibition thereof) of the Software.

Governing law. All disputes will be governed by the laws of the United States of America and the State of Delaware without reference to conflict of law principles and subject to the exclusive jurisdiction of the state or federal courts sitting in the State of Delaware, and each party agrees that it submits to the personal jurisdiction and venue of those courts and waives any objections. The United Nations Convention on Contracts for the International Sale of Goods (1980) is specifically excluded and will not apply to the Software.

*Other names and brands may be claimed as the property of others.

TWAIN Header
The TWAIN Toolkit is distributed as is. The developer and distributors of the TWAIN Toolkit expressly disclaim all implied, express or statutory warranties including, without limitation, the implied warranties of merchantability, noninfringement of third party rights and fitness for a particular purpose. Neither the developers nor the distributors will be liable for damages, whether direct, indirect, special, incidental, or consequential, as a result of the reproduction, modification, distribution or other use of the TWAIN Toolkit.

OpenCV
© Copyright 2018, OpenCV team
For Open Source Computer Vision Library
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

• Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

• Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

• Neither the names of the copyright holders nor the names of the contributors may be used to endorse or promote products derived from this software without specific prior written permission.

This software is provided by the copyright holders and contributors “as is” and any express or implied warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose are disclaimed. In no event shall copyright holders or contributors be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this software, even if advised of the possibility of such damage.

**Eigen**

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at

[https://mozilla.org/MPL/2.0/](https://mozilla.org/MPL/2.0/)

A copy of Source Code Form of this software may be obtained at [https://github.com/eigenteam/eigen-git-mirror](https://github.com/eigenteam/eigen-git-mirror)

**Mozilla Public License**

**Version 2.0**

1. **Definitions**

1.1. “Contributor”

means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. “Contributor Version”

means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor’s Contribution.

1.3. “Contribution”

means Covered Software of a particular Contributor.

1.4. “Covered Software”

means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.
1.5. “Incompatible With Secondary Licenses”

means

a. that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or

b. that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.

1.6. “Executable Form”

means any form of the work other than Source Code Form.

1.7. “Larger Work”

means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

1.8. “License”

means this document.

1.9. “Licensable”

means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. “Modifications”

means any of the following:

a. any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or

b. any new file in Source Code Form that contains any Covered Software.

1.11. “Patent Claims” of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. “Secondary License”

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. “Source Code Form”

means the form of the work preferred for making modifications.

1.14. “You” (or “Your”)

means an individual or a legal entity exercising rights under this License. For legal entities, “You” includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, “control” means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.
2. License Grants and Conditions

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

a. under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and

b. under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

a. for any code that a Contributor has removed from Covered Software; or

b. for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or

c. under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3. Responsibilities

3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the
Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients’ rights in the Source Code Form.

3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

a. such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and

b. You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients’ rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms

You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular
Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

6. Disclaimer of Warranty

Covered Software is provided under this License on an “as is” basis, without warranty of any kind, either expressed, implied, or statutory, including, without limitation, warranties that the Covered Software is free of defects, merchantable, fit for a particular purpose or non-infringing. The entire risk as to the quality and performance of the Covered Software is with You. Should any Covered Software prove defective in any respect, You (not any Contributor) assume the cost of any necessary servicing, repair, or correction. This disclaimer of warranty constitutes an essential part of this License. No use of any Covered Software is authorized under this License except under this disclaimer.

7. Limitation of Liability

Under no circumstances and under no legal theory, whether tort (including negligence), contract, or otherwise, shall any Contributor, or anyone who distributes Covered Software as permitted above, be liable to You for any direct, indirect, special, incidental, or consequential damages of any character including, without limitation, damages for lost profits, loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses, even if such party shall have been informed of the possibility of such damages. This limitation of liability shall not apply to liability for death or personal injury resulting from such party’s negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party’s ability to bring cross-claims or counter-claims.

9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License

10.1. New Versions
Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses

If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

FreeType

FreeType font driver for BDF fonts

Francesco Zappa Nardelli

<francesco.zappa.nardelli@ens.fr

License

******

Copyright (C) 2001-2002 by Francesco Zappa Nardelli

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

*** Portions of the driver (that is, bdflib.c and bdf.h):
Copyright 2000 Computing Research Labs, New Mexico State University
Copyright 2001-2002 Francesco Zappa Nardelli
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense,
and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE COMPUTING RESEARCH LAB OR NEW MEXICO STATE UNIVERSITY BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

FreeType font driver for PCF fonts

Francesco Zappa Nardelli
<francesco.zappa.nardelli@ens.fr>

License

******

Copyright (C) 2000 by Francesco Zappa Nardelli
Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish, 
distribute, sublicense, and/or sell copies of the Software, and to 
permit persons to whom the Software is furnished to do so, subject to 
the following conditions:
The above copyright notice and this permission notice shall be 
included in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, 
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF 
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY 
CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, 
TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE 
SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

The FreeType Project LICENSE

2006-Jan-27
Copyright 1996-2002, 2006 by
David Turner, Robert Wilhelm, and Werner Lemberg

Introduction

The FreeType Project is distributed in several archive packages; 
some of them may contain, in addition to the FreeType font engine, 
various tools and contributions which rely on, or relate to, the 
FreeType Project.
This license applies to all files found in such packages, and 
which do not fall under their own explicit license. The license 
affects thus the FreeType font engine, the test programs, 
documentation and makefiles, at the very least.
This license was inspired by the BSD, Artistic, and IJG 
(Independent JPEG Group) licenses, which all encourage inclusion 
and use of free software in commercial and freeware products
alike. As a consequence, its main points are that:

- We don't promise that this software works. However, we will be interested in any kind of bug reports. (`as is' distribution)
- You can use this software for whatever you want, in parts or full form, without having to pay us. (`royalty-free' usage)
- You may not pretend that you wrote this software. If you use it, or only parts of it, in a program, you must acknowledge somewhere in your documentation that you have used the FreeType code. (`credits')

We specifically permit and encourage the inclusion of this software, with or without modifications, in commercial products. We disclaim all warranties covering The FreeType Project and assume no liability related to The FreeType Project.

Finally, many people asked us for a preferred form for a credit/disclaimer to use in compliance with this license. We thus encourage you to use the following text:

```
Portions of this software are copyright <year> The FreeType Project (www.freetype.org). All rights reserved.
```

Please replace `<year>` with the value from the FreeType version you actually use.

Legal Terms
==========

0. Definitions
------------

Throughout this license, the terms `package', `FreeType Project', and `FreeType archive' refer to the set of files originally distributed by the authors (David Turner, Robert Wilhelm, and Werner Lemberg) as the `FreeType Project', be they named as alpha, beta or final release.
`You` refers to the licensee, or person using the project, where
`using` is a generic term including compiling the project's source
code as well as linking it to form a `program` or `executable`.
This program is referred to as `a program using the FreeType
engine`.
This license applies to all files distributed in the original
FreeType Project, including all source code, binaries and
documentation, unless otherwise stated in the file in its
original, unmodified form as distributed in the original archive.
If you are unsure whether or not a particular file is covered by
this license, you must contact us to verify this.
The FreeType Project is copyright (C) 1996-2000 by David Turner,
Robert Wilhelm, and Werner Lemberg. All rights reserved except as
specified below.
1. No Warranty

`-------------
THE FREETYPE PROJECT IS PROVIDED `AS IS' WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. IN NO EVENT WILL ANY OF THE AUTHORS OR COPYRIGHT HOLDERS
BE LIABLE FOR ANY DAMAGES CAUSED BY THE USE OR THE INABILITY TO
USE, OF THE FREETYPE PROJECT.
2. Redistribution

`-------------
This license grants a worldwide, royalty-free, perpetual and
irrevocable right and license to use, execute, perform, compile,
display, copy, create derivative works of, distribute and
sublicense the FreeType Project (in both source and object code
forms) and derivative works thereof for any purpose; and to
authorize others to exercise some or all of the rights granted
herein, subject to the following conditions:
 Redistribution of source code must retain this license file (`FTL.TXT') unaltered; any additions, deletions or changes to the original files must be clearly indicated in accompanying documentation. The copyright notices of the unaltered, original files must be preserved in all copies of source files.

 Redistribution in binary form must provide a disclaimer that states that the software is based in part of the work of the FreeType Team, in the distribution documentation. We also encourage you to put an URL to the FreeType web page in your documentation, though this isn't mandatory.

 These conditions apply to any software derived from or based on the FreeType Project, not just the unmodified files. If you use our work, you must acknowledge us. However, no fee need be paid to us.

 3. Advertising

 Neither the FreeType authors and contributors nor you shall use the name of the other for commercial, advertising, or promotional purposes without specific prior written permission.

 We suggest, but do not require, that you use one or more of the following phrases to refer to this software in your documentation or advertising materials: `FreeType Project', `FreeType Engine', `FreeType library', or `FreeType Distribution'.

 As you have not signed this license, you are not required to accept it. However, as the FreeType Project is copyrighted material, only this license, or another one contracted with the authors, grants you the right to use, distribute, and modify it. Therefore, by using, distributing, or modifying the FreeType Project, you indicate that you understand and accept all the terms of this license.
4. Contacts

There are two mailing lists related to FreeType:

- freetype@nongnu.org
  Discusses general use and applications of FreeType, as well as future and wanted additions to the library and distribution.
  If you are looking for support, start in this list if you haven't found anything to help you in the documentation.

- freetype-devel@nongnu.org
  Discusses bugs, as well as engine internals, design issues, specific licenses, porting, etc.

Our home page can be found at http://www.freetype.org

v8
Copyright 2006-2011, the V8 project authors. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
v8/Strongtalk
Copyright (c) 1994-2006 Sun Microsystems Inc.
All Rights Reserved.
Redistributions and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:
- Redistributions of source code must retain the above copyright notice,
  this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
- Neither the name of Sun Microsystems or the names of contributors may
  be used to endorse or promote products derived from this software without
  specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS
IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR
PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

v8/fdlibm
Copyright (C) 1993-2004 by Sun Microsystems, Inc. All rights reserved.
Developed at SunSoft, a Sun Microsystems, Inc. business.
Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is
preserved.
Rhash
RHash License Copyright (c) 2005-2014 Aleksey Kravchenko <rhash.admin@gmail.com>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so. The Software is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. Use this program at your own risk!

Pecita (font)
Copyright (c) 2011-05-12—2015-09-22, Pecita (Pecita.net),
with Reserved Font Name <Reserved Font Name>.

This Font Software is licensed under the SIL Open Font License, Version 1.1.

This license is copied below, and is also available with a FAQ at:
http://scripts.sil.org/OFL

Miama Nueva Medium (font)
Copyright (c) 2016-03-13, Linus Romer

This Font Software is licensed under the SIL Open Font License, Version 1.1.

This license is copied below, and is also available with a FAQ at:
http://scripts.sil.org/OFL

Bad Script (font)
Designed by Roman Shchyukin from Gaslight.

This Font Software is licensed under the SIL Open Font License, Version 1.1.

This license is copied below, and is also available with a FAQ at:
http://scripts.sil.org/OFL

-----------------------------------------------------------

SIL OPEN FONT LICENSE Version 1.1 - 26 February 2007
-----------------------------------------------------------

PREAMBLE
The goals of the Open Font License (OFL) are to stimulate worldwide
development of collaborative font projects, to support the font creation
efforts of academic and linguistic communities, and to provide a free and
open framework in which fonts may be shared and improved in partnership
with others.
The OFL allows the licensed fonts to be used, studied, modified and
redistributed freely as long as they are not sold by themselves. The
fonts, including any derivative works, can be bundled, embedded,
redistributed and/or sold with any software provided that any reserved
names are not used by derivative works. The fonts and derivatives,
however, cannot be released under any other type of license. The
requirement for fonts to remain under this license does not apply
to any document created using the fonts or their derivatives.

DEFINITIONS

"Font Software" refers to the set of files released by the Copyright
Holder(s) under this license and clearly marked as such. This may
include source files, build scripts and documentation.

"Reserved Font Name" refers to any names specified as such after the
copyright statement(s).

"Original Version" refers to the collection of Font Software components as
distributed by the Copyright Holder(s).

"Modified Version" refers to any derivative made by adding to, deleting,
or substituting -- in part or in whole -- any of the components of the
Original Version, by changing formats or by porting the Font Software to a
new environment.

"Author" refers to any designer, engineer, programmer, technical
writer or other person who contributed to the Font Software.

PERMISSION & CONDITIONS

Permission is hereby granted, free of charge, to any person obtaining
a copy of the Font Software, to use, study, copy, merge, embed, modify,
redistribute, and sell modified and unmodified copies of the Font
Software, subject to the following conditions:
1) Neither the Font Software nor any of its individual components, in Original or Modified Versions, may be sold by itself.

2) Original or Modified Versions of the Font Software may be bundled, redistributed and/or sold with any software, provided that each copy contains the above copyright notice and this license. These can be included either as stand-alone text files, human-readable headers or in the appropriate machine-readable metadata fields within text or binary files as long as those fields can be easily viewed by the user.

3) No Modified Version of the Font Software may use the Reserved Font Name(s) unless explicit written permission is granted by the corresponding Copyright Holder. This restriction only applies to the primary font name as presented to the users.

4) The name(s) of the Copyright Holder(s) or the Author(s) of the Font Software shall not be used to promote, endorse or advertise any Modified Version, except to acknowledge the contribution(s) of the Copyright Holder(s) and the Author(s) or with their explicit written permission.

5) The Font Software, modified or unmodified, in part or in whole, must be distributed entirely under this license, and must not be distributed under any other license. The requirement for fonts to remain under this license does not apply to any document created using the Font Software.

TERMINATION

This license becomes null and void if any of the above conditions are not met.

DISCLAIMER

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,
INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

**PDF-XChange**  
PDF-XChange Standard (c) 2001-2013 by Tracker Software Products Ltd.

**RazorEngine, google-diff-match-patch**  
Apache License  
Version 2.0, January 2004  
[http://www.apache.org/licenses/](http://www.apache.org/licenses/)

Terms and Conditions for use, reproduction, and distribution

1. Definitions

“License” shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

“Licensor” shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

“Legal Entity” shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, “control” means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

“You” (or “Your”) shall mean an individual or Legal Entity exercising permissions granted by this License.

“Source” form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

“Object” form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

“Work” shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

“Derivative Works” shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.
“Contribution” shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, “submitted” means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as “Not a Contribution.”

“Contributor” shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License

Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License

Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution

You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a “NOTICE” text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions

Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks

This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty

Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability

In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability

While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

haval

Copyright (c) 2003 Calyptix Security Corporation * All rights reserved. ** This code is derived from software contributed to Calyptix Security * Corporation by Yuliang Zheng. ** Redistribution and use in source and binary forms, with or without * modification, are permitted provided that the following conditions * are met: * 1. Redistributions of source code must retain the above copyright * notice, this list of conditions and the following disclaimer. * 2. Redistributions in binary form must reproduce the
above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of Calyptix Security Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

** THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Openssl
Copyright (c) 1998-2011 The OpenSSL Project. All rights reserved.

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org)

Copyright (C) 1995-1998 Eric Young
(eay@cryptsoft.com)

All rights reserved.

This product includes cryptographic software written by Eric Young
(eay@cryptsoft.com)

Eric Young is the author of the parts of the library used.

This product includes software written by Tim Hudson
(tjh@cryptsoft.com)

OpenSSL License

Copyright (c) 1998-2011 The OpenSSL Project. All rights reserved. Redistributions and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgment: "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit."

4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact openssl-core@openssl.org
5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.

6. Redistributions of any form whatsoever must retain the following acknowledgment: *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/)

"** THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE."**

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com)

This product includes software written by Tim Hudson (tjh@cryptsoft.com)

Original SSLeay License -----------------------

/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)

All rights reserved. ** This package is an SSL implementation written by Eric Young (eay@cryptsoft.com)

The implementation was written so as to conform with Netscape's SSL. ** This library is free for commercial and non-commercial use as long as the following conditions are heared to. The following conditions apply to all code found in this distribution, be it the RC4, RSA, Ihash, DES, etc., code; not just the SSL code. The SSL documentation included with this distribution is covered by the same copyright terms except that the holder is Tim Hudson (tjh@cryptsoft.com)

Copyright remains Eric Young's, and as such any Copyright notices in the code are not to be removed. ** If this package is used in a product, Eric Young should be given attribution as the author of the parts of the library used. ** This can be in the form of a textual message at program startup or in documentation (online or textual) provided with the package. ** Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgement: ** This product includes cryptographic software written by Eric Young
" * The word 'cryptographic' can be left out if the routines from the library being used are not cryptographic related :-) * 4. If you include any Windows specific code (or a derivative thereof) from the apps directory (application code) you must include an acknowledgement: * "This product includes software written by Tim Hudson

(tjh@cryptsoft.com)

" ** THIS SOFTWARE IS PROVIDED BY ERIC YOUNG `AS IS" AND * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE * ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED * OF THE POSSIBILITY OF SUCH DAMAGE. * " ** The licence and distribution terms for any publically available version or * derivative of this code cannot be changed. i.e. this code cannot simply be * copied and put under another distribution licence [including the GNU Public Licence.] */