ABBYY® FineReader PDF 15

System Administrator's Guide

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Installation and activation methods by license type and product version

Availability of deployment methods for each license type

	Standalone	Per Seat	Concurrent	Remote User
Installation on one computer (standard software installation)	+	+	Not recommended	+
Installation on a terminal server	-	-	+	+
Installation on more than one computer: administrative installation with License Manager	-	+	+	+
Installation on more than one computer: multi-user administrative installation point with automatic activation	-	+	-	-

Deployment methods

Installation on one computer (standard software installation)

1. This method is suitable for all license types except **Concurrent**.
2. After FineReader is installed, it will need to be activated.

Installation on more than one computer

You can create an administrative installation point for deploying ABBYY FineReader PDF 15 from a server to multiple workstations.

ABBYY FineReader will be activated by the License Server without any additional input.

1. **Create an administrative installation point**

   Administrative installation point with the License Server and License Manager

   - An internet connection on workstations is not required.
   - The License Manager is required.
   - The product can be installed on different subnets. To do this, you need to configure a TCP\IP connection. For details, see How can I change the network connection settings? 58

   Multi-user administrative installation point with Per-Seat licenses and automatic activation

   - An internet connection is required on workstations.
   - The License Manager is not required.
   - This method makes it possible to deploy FineReader on computers in different LANs.

2. **Deploying methods**

   Install ABBYY FineReader on workstations using one of the following methods:

   - **Manually in interactive mode**
   - **Via the command line**
     Lets you perform a silent installation. No dialog boxes will be displayed during setup.
   - **Using Active Directory**
     - This method can only be used with **Group Policy Management** to deploy FineReader to specific computers or a group of computers.
     - Specific menu items and options that require an internet connection can be hidden. Software behavior can also be modified. For more information, see Using a group policy to configure ABBYY FineReader PDF 15 50.
   - **Using Microsoft System Center Configuration Manager (SCCM)**
     This method provides the most automation.

Installation on a terminal server

With a **Concurrent** or **Remote User** license:

1. If you choose this type of license, you will need to create an administrative installation point and install the License Server and the License Manager.
2. ABBYY FineReader PDF 15 is activated using the License Manger.
3. A license server should be deployed on a machine that is accessible for all terminal servers at all times.

Deploying ABBYY FineReader PDF 15 in a LAN (installation on more than one computer)

ABBYY FineReader PDF 15 can be installed and used on a local area network.

The automated installation methods give you speed and flexibility when installing ABBYY FineReader PDF 15 on a local area network, as you do not have to install the program manually on each individual workstation.

ABBYY FineReader can be deployed from any computer running under Microsoft Windows 8.1 (or later).

The deployment process comprises the following steps:

1. Performing an Administrative installation

   - Installing ABBYY FineReader PDF 15 License Server and ABBYY FineReader PDF 15 License Manager
     For detailed instructions, see Installing the License Server and the License Manager 11.
     Note. The computer on which ABBYY FineReader PDF 15 License Manager is installed becomes a License Administrator Station.

   - Creating an administrative installation point
     For detailed instructions, see Creating an administrative installation point 13.
     Note. If the License Server and the workstations are located on different subnets, a TCP/IP connection must be configured. To do this, on the computer where the License Server is installed, make the appropriate changes to the connection protocol and the connection port settings in the Licensing.ini file, and then copy the file to the administrative installation point.
     For details, see How can I change the network connection settings? 58
     Note. The administrative installation point and the License Server can be located either on the same computer or on different computers.

2. **Managing the licenses**
   Licenses are managed by means of the ABBYY FineReader PDF 15 License Manager.
   For the licenses to be correctly distributed among the workstations when installing and using ABBYY FineReader PDF 15, you are required to give certain workstations/users priority in obtaining licenses. To do this, you should reserve licenses and license pools for specific workstations/users.
   A license pool is a set of licenses of the same type. Pools make it easier to manage licenses: for example, you can add multiple licenses to a pool and then reserve the pool for specific workstations/users instead of reserving each license individually.
   For details, see Managing Licenses 14.

3. **Installing ABBYY FineReader on workstations using one of the following methods:**

   - manually in interactive mode

- via the command line
- Using Active Directory
- Using Microsoft System Center Configuration Manager (SCCM)
  For detailed instructions, see Installing ABBYY FineReader PDF 15 on Workstations 18.

Note. The 32-bit version of ABBYY FineReader PDF 15 cannot be installed on a 64-bit system. The same is true for the 64-bit version on a 32-bit system.

Important!
Do not place the License Server into the same folder with the administrative installation point.

Administrative installation folder requirements

1. 1.5 GB of free hard-drive space to create an administrative installation point.
2. Read access to the administrative installation folder (e.g.**\\MyFileServer\Distribs\ABBYY FineReader PDF 15**) for all users on whose computers ABBYY FineReader is to be installed.
3. The server with the administrative installation point must be a file server running under any operating system that supports long file names.
4. When using Active Directory to deploy ABBYY FineReader PDF 15, the **Domain Computers** accounts must have read permissions for the administrative installation folder.

License Server requirements

1. 100 MB of free hard-drive space to create license files and accounts.
2. The server (**\\MyLicenseServer**) on which the License Server is installed must run under Microsoft Windows 10, Microsoft Windows 8.1, Microsoft Windows Server 2019, Microsoft Windows Server 2016, Microsoft Windows Server 2012 R2.
3. The number of connections supported by the operating system of the License Server must be at least equal to the total number of potential users of the program (for **Concurrent** and **Remote User** licenses).
4. A stable connection to the license server on all workstations.

License Administrator Station requirements

1. PC running under Microsoft Windows 10, Microsoft Windows 8.1, Microsoft Windows Server 2019, Microsoft Windows Server 2016, Microsoft Windows Server 2012 R2.
2. The operating system must support the selected interface language.
3. 100 MB of free hard-drive space.

Workstation requirements

1. 1 GHz or faster 32-bit (x86) or 64-bit (x64) processor with SSE2 support.
2. Operating System: Microsoft Windows 10, Microsoft Windows 8.1, Microsoft Windows Server 2019, Microsoft Windows Server 2016, Microsoft Windows Server 2012 R2. The operating system must support the selected interface language.
3. 1024 RAM (4 GB recommended); in multiprocessor systems, an additional 512 MB of RAM is required for each additional processor.
4. 1.5 GB of hard-drive space for installation of all program components and an additional 1.5 GB for program operation.
5. Video card and monitor supporting a resolution of at least 1024*768.
6. Keyboard and mouse or other pointing device.

Administrative installation with License Server and License Manager

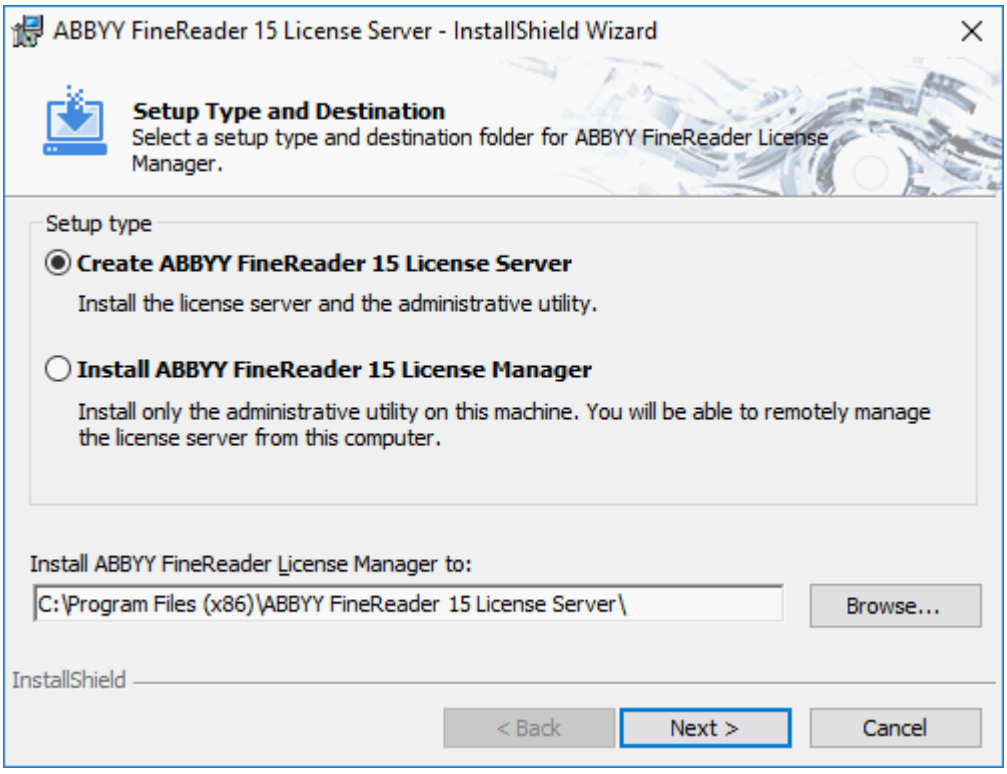
Installing the License Server and the License Manager

1. Launch the **AutoRun.exe** file from the installation package folder and choose **Mass Installation** > **Install and activate using the License Manager** > **Step 1. Install the License Server and the License Manager**.
   Alternatively, launch the **License Server\Setup.exe** file from the installation package folder.

2. Follow the instructions of the setup program.
   During setup, you can:

   - Install ABBYY FineReader License Server and ABBYY FineReader License Manager.
     The License Server and the License Manager will be installed on the same computer. You can specify the folder where you want to install the License Manager.

   - Install only ABBYY FineReader PDF 15 License Manager. You will need to specify a folder into which the License Manager is to be installed and specify the name of the computer running the License Server.



Notes:

1. If several users will be managing the ABBYY FineReader PDF 15 licenses, they must have the License Manager installed on their computers.

2. Each user must be a member of one of the two local groups on the server:

   - ABBYY Licensing Administrators

   - BUILTIN\Administrators

You can disable user authorization in the file **%commonprogramfiles%\ABBYY\FineReader\15\Licensing\NetworkLicenseServer.ini** (or **%commonprogramfiles(x86)%\ABBYY\FineReader\15\Licensing\NetworkLicenseServer.ini** if you are using a 64-bit system).
This file is located on the computer where the License Server has been installed.
Add the following parameter to this file:

[Licensing]
EnableManagerAuthorization = false

Important! For the changes to take effect, you must restart the ABBYY FineReader PDF 15 Licensing Service.

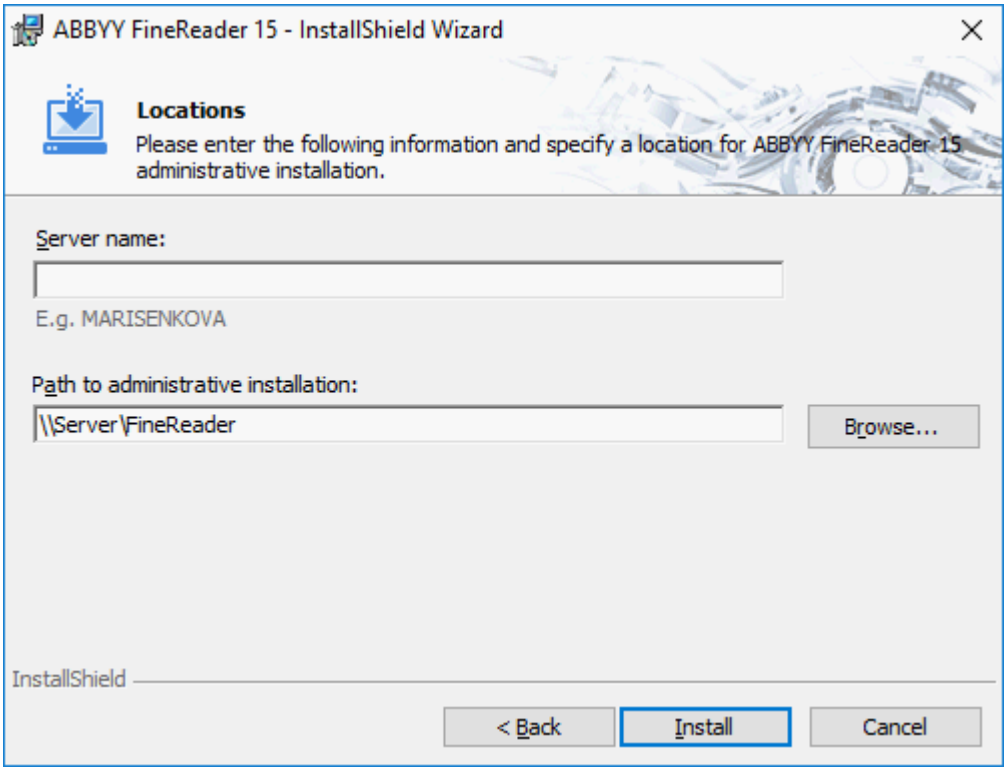
Creating an administrative installation point

1. Launch the **AutoRun.exe** file from the installation package folder and choose **Mass Installation** > **Install and activate using the License Manager** > **Step 2. Create an administrative installation**. Alternatively, use the command line to run the following command in the installation package folder: **Setup.exe /a**.
   Note: see Additional command-line options for silent installation 19 with additional options for command line installation.

2. Follow the instructions of the setup program.
   When the setup program prompts you, specify the following:

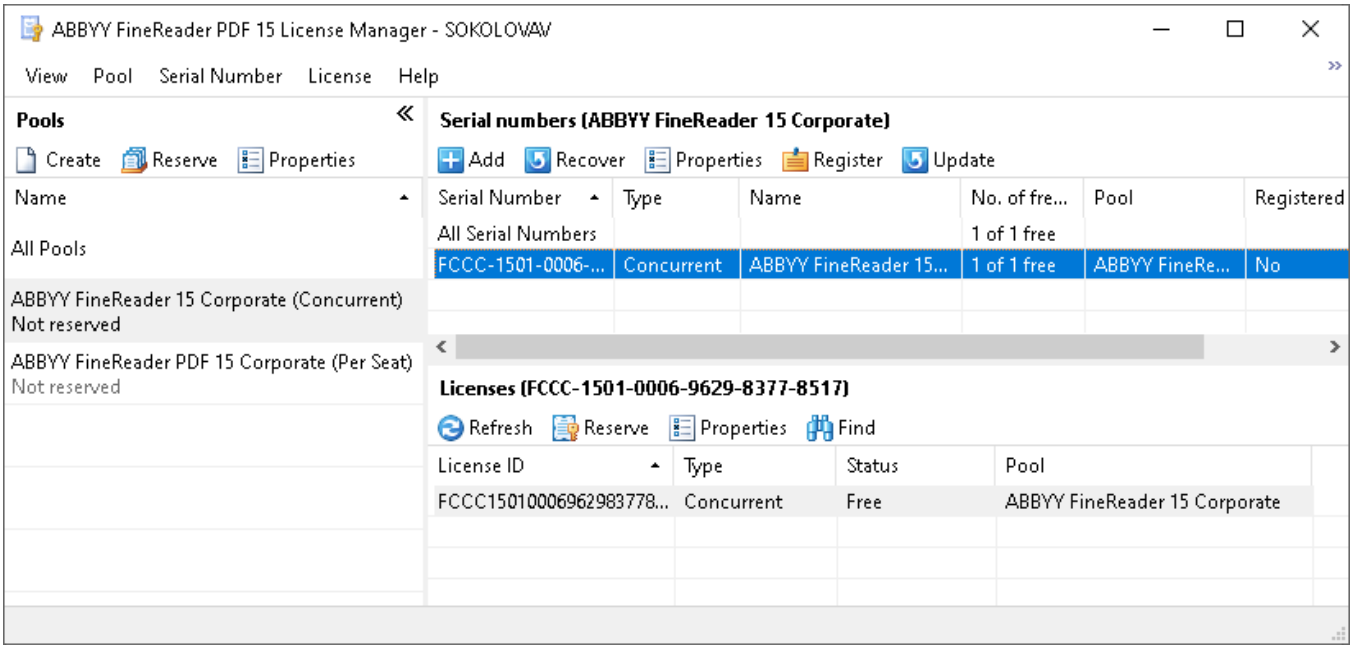
   - The name of the computer where the License Server is to be installed
     Note: A server's IP address can be used instead of its name.
   - The path to the administrative installation folder

Important! Avoid moving the administrative installation folder after ABBYY FineReader is installed on the workstations.



Managing Licenses

ABBYY FineReader PDF 15 License Manager is a special application provided with ABBYY FineReader PDF 15 and intended for managing ABBYY FineReader licenses. The application is installed on the License Administration Station when ABBYY FineReader PDF 15 is deployed in a local area network (see Installing the License Server and the License Manager for details 11).



Configure your licenses with ABBYY FineReader PDF 15 License Manager:

1. Add your licenses to ABBYY FineReader PDF 15 License Manager.
   An ABBYY FineReader PDF 15 license (or group of licenses) has a unique serial number which identifies it. To activate a license and add it to ABBYY FineReader PDF 15 License Manager, you must activate its serial number.

2. Create license pools and add the necessary licenses to the pools.
   A pool of licenses is a set of licenses of equal standing that have the same type. License pools make working with licenses easier. For example, instead of reserving each license separately, you can add them to a license pool and reserve that pool for the appropriate workstations/users.

3. Reserve pools and licenses for the appropriate workstations and users.
   Prior to installing ABBYY FineReader PDF 15 on the workstations, you must distribute the licenses among the workstations/users in ABBYY FineReader PDF 15 License Manager. The distribution process is carried out by means of reserving a license for a specific workstation/user. Once a license is reserved, only the specified workstation/user will be able to use it.

Important! Reserve the Per Seat licences and pools before you start installing ABBYY FineReader PDF 15 on the workstations. To bind a workstation to a server or unbind it from a server after ABBYY FineReader has been installed on it, you will need to remove the program from the workstation. To move a Per-Seat license from one workstation to another after ABBYY FineReader has been installed, you will need to deactivate the license. The number of allowed deactivations is limited.

For more information about license types and about working with ABBYY FineReader PDF 15 License Manager, see the ABBYY FineReader PDF 15 License Manager help file.

Deploying a multi-user distribution package with per-seat licenses and automatic activation

Deploying a multi-user distribution package with automatic activation does not require installing the License server and the License Manager.

Deploying a multi-user distribution package on a local area network comprises the following steps:

1. **Creating a multi-user administrative installation point**
   At this step, a multi-user activation key is added to the distribution package, which allows installing ABBYY FineReader on workstations without the need to enter a serial number.
   For detailed instructions, see Creating a multi-user administrative installation point with Per-Seat licenses 17.

2. **Installing ABBYY FineReader on workstations using one of the following methods:**

   - manually in interactive mode
   - via the command line
   - Using Active Directory
   - Using Microsoft System Center Configuration Manager (SCCM).

For detailed instructions, see Installing ABBYY FineReader PDF 15 on Workstations 18.

Note. The 32-bit version of ABBYY FineReader PDF 15 cannot be installed on a 64-bit system. The same is true for the 64-bit version on a 32-bit system.

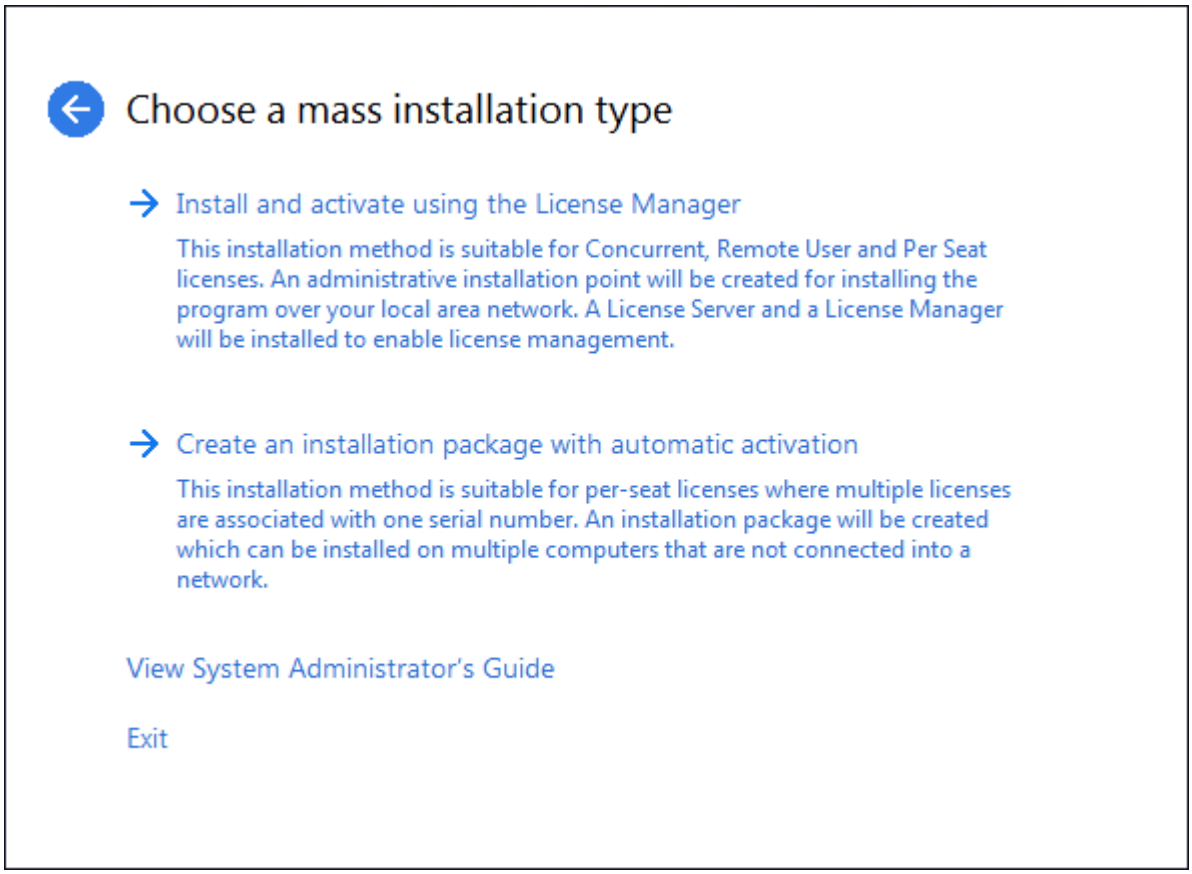
Administrative installation folder requirements

1. 1.5 GB of free hard-disk space to create an administrative installation point.
2. Read access to the administrative installation folder (e.g.**\\MyFileServer\Programs Distribs\ABBYY FineReader PDF 15**) for all users on whose computers ABBYY FineReader is to be installed.
3. The server on which the administrative installation point is created must be a file server running under any operating system that supports long file names.
4. When using Active Directory to deploy ABBYY FineReader PDF 15, the **Domain Computers** accounts must have read permissions for the administrative installation folder.
5. The path should meet the following requirements:
   - The path may not contain any characters outside the code page of the language selected as the default system language for non-Unicode applications.
   - The names of intermediate folders may not start with a space.

Note: For information on Workstation requirements, see Workstation requirements 10.

Creating a multi-user administrative installation point with Per-Seat licenses

1. Launch the **AutoRun.exe** file from the installation package folder and choose **Mass Installation** > **Create an installation package with automatic activation** and select the appropriate administrative installation point version.



   Alternatively, use the command line to run the following command in the installation package folder: **Setup.exe /a**.
   Note: see Additional command-line options for silent installation 22 with additional options for command line installation

2. Follow the instructions of the setup program.
   You can create a new administrative installation point with a multi-user activation key: specify the path to the folder where the new administrative installation point will be located. The path should meet the following requirements:

   - The path may not contain any characters outside the code page of the language selected as the default system language for non-Unicode applications.
   - The names of intermediate folders may not start with a space.

As a result, an ABBYY FineReader distribution package will be created which can be installed on workstations without the need to enter a serial number. The product will be activated over the Internet automatically, without asking the user for any confirmation. The workstation on which the product is being installed must be connected to the Internet.

Installing ABBYY FineReader PDF 15 on Workstations

Important! Prior to installing ABBYY FineReader PDF 15 on workstations, you must:

- Create an administrative installation point and configure licenses using the ABBYY FineReader PDF 15 License Manager (see Installing the License Server and the License Manager 11, Creating an administrative installation point 13 and Managing Licenses 14).
  Note. A workstation obtains a per-seat license and is bound to the server only when ABBYY FineReader PDF 15 is installed on it. How this happens depends on the configuration of the licenses at the time of the installation.

or

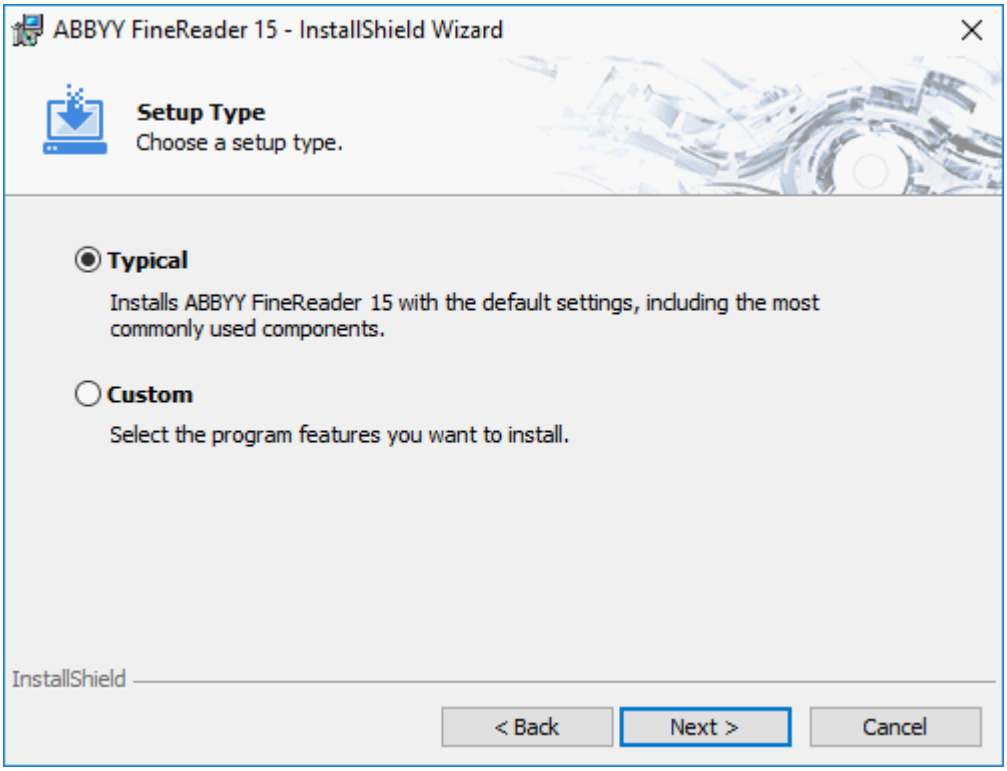
- Create a multi-user administrative installation point (see Deploying a multi-user distribution package with per-seat licenses and automatic activation 15).

Note. If a workstation was cloned from another machine, you must change the value of the Security Identifier (SID) before installing ABBYY FineReader to avoid malfunctions of the licensing mechanism.

Interactive installation

1. Create an administrative installation point (see Administrative installation) or a multi-user administrative installation point (see Deploying a multi-user distribution package with per-seat licenses and automatic activation 15).

2. Run the setup.exe file in the administrative installation folder.



3. Follow the instructions of the setup wizard.

Command line installation

1. Create an administrative installation point (see Administrative installation with License Server and License Manager 10) or a multi-user administrative installation point (see Deploying a multi-user distribution package with per-seat licenses and automatic activation 15).

2. Run the **setup.exe** file in the administrative installation folder using the command line parameters described below.

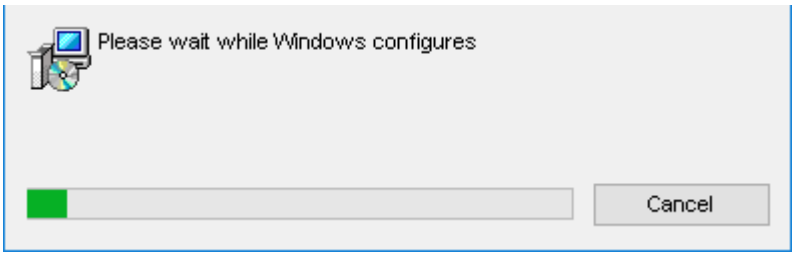
Silent installation

For silent installation, type

Setup.exe /qn

In the case of silent installation, no setup dialog boxes are displayed and the program is installed in default configuration (the interface language is selected automatically based on the regional settings of the computer).

Note. Change "**/qn**" to "**/qb**" if you want an installation progress bar to be displayed. No other dialog boxes will be displayed.



Using Windows Installer

To install ABBYY FineReader PDF 15 using Windows Installer, run the following command from a command prompt:

msiexec.exe /i "%pathtofile%" /qb

where %pathtofile% is the path to the **ABBYY FineReader 15 x64.msi** file for 64-bit systems, or the path to the **ABBYY FineReader 15.msi** file for 32-bit systems.

Note: Instead of **/qb**, you may also choose to use **/qn** or **/q**.

Important! ABBYY FineReader PDF 15 cannot be installed in interactive mode using Windows Installer.

To install ABBYY FineReader PDF 15, you can use one of the following *.msi files:

1. the *.msi file from the administrative installation folder (see Creating an administrative installation point 10)
2. the *.msi file from a distribution package with automatic activation (see Deploying a multi-user distribution package with per-seat licenses and automatic activation 15)
3. the *.msi file from the folder containing the setup files

Important! Please make sure that the Visual C++ Redist is already installed on the workstation. You can download the Visual C++ Redist here or install it from the VC_Redist folder, which can be found in the folder containing the setup files.

To install the Visual C++ Redist from the VC_Redist folder:

- for a 32-bit system, run **vcredist_x86.exe**
- for a 64-bit system, run **vcredist_x86.exe** and **vcredist_x64.exe**, in any order.

Additional command-line options for silent installation

/L<language code> disables automatic selection of the interface language and installs ABBYY FineReader with the interface language specified in the command line.

When you install using msi: Transforms=<LANGID>.mst

Possible **language code*** or **LANGID** values:

1026 Bulgarian

1028 Chinese (Traditional)

1029 Czech

1030 Danish

1031 German

1032 Greek

1033 English

1034 Spanish

1036 French

1038 Hungarian

1040 Italian

1041 Japanese

1042 Korean

1043 Dutch

1045 Polish

1046 Portuguese (Brazilian)

1049 Russian

1051 Slovak

1053 Swedish

1055 Turkish

1058 Ukrainian

1066 Vietnamese

2052 Chinese (Simplified)

*The number of available interface languages depends on the type of your distribution package.

/a – creates an administrative installation point

/V"<command line>" passes the specified command line directly to msiexec.exe. Instead of the words "command line" you can specify the following:

INSTALLDIR="<path>"	The path to the folder where ABBYY FineReader PDF 15 will be installed.
EXPLORER_INTEGRATION=0	ABBYY FineReader PDF 15 will not be integrated with Windows Explorer.
SHCTDESKTOP=0	The ABBYY FineReader PDF 15 icon will not be placed on the desktop.
SSR_AUTORUN=0	ABBYY Screenshot Reader will not be started at system startup.
DONT_ASK_ABOUT_DEFAULT=1	ABBYY FineReader PDF 15 will not prompt the user to make it the default application for opening PDF files.
STATISTICS_ALLOWED=0	Prevents ABBYY FineReader PDF 15 from sending information about the selected settings to ABBYY over the Internet.
CHECK_UPDATES=0	Disables update checks.
INSTALL_UPDATES=0	Prevents ABBYY FineReader PDF 15 from downloading and installing updates.
MARKETING_TIPS_ALLOWED=0	Disables advertising messages.
SSR=0	ABBYY Screenshot Reader will not be installed.
HF=0	ABBYY Hot Folder will not be installed.
COMPARATOR=0	ABBYY Compare Documents will not be installed.
SN=<serial number>	The serial number for automatic activation of a Per-Seat license.

LIC_SERVER_NAME=<path>	The path to the License Server.
ADMIN_SETUP=Serial/Server	Runs an administrative installation in one of the following modes: ADMIN_SETUP=**Serial** Displays a dialog box where you can enter a serial number for automatic activation. ADMIN_SETUP=**Server** Displays a dialog box where you can specify the path to the License Server. **Note:** The ADMIN_SETUP parameter should be passed to setup.exe exclusively through a combination of the "**/a /v**" keys.
EULA_ACCEPTED=1	Suppresses the display of the ABBYY FineReader PDF 15 End-User License Agreement. The EULA and the Privacy Policy will be deemed to have been accepted.

Example:

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

This will install ABBYY FineReader PDF 15 into C:\ABBYY FineReader PDF 15. The menus, dialog boxes and other interface elements will be in Russian. Information about the selected ABBYY FineReader settings will not be sent to ABBYY over the Internet. The set of available OCR languages depends on the type of the distribution package.

Uninstalling ABBYY FineReader PDF 15 in silent mode

Run the following command on the workstation:

msiexec /x {Product Code},
and depending on installation type and Windows architecture, specify one of the following instead of **{Product Code}**:

	x86	**x64**
Base/Full installation	{F15000FE-0001-0000-0000-074957833700}	{F15000FE-0001-6400-0000-074957833700}
SLE installation	{F15000BE-0001-0000-0000-074957833700}	{F15000BE-0001-6400-0000-074957833700}

E.g.:
msiexec /x {F15000FE-0001-0000-0000-074957833700}

Using Active Directory

The Microsoft Windows Server family of operating systems includes the **Active Directory** (AD) service. The **Group Policy** feature of the **Software Installation** component of AD can be used to remotely install software on multiple workstations at the same time.

There are three installation methods in Active Directory:

1. **Publish to User** (not supported)
2. **Assign to User** (not supported)
3. **Assign to Computer**

ABBYY FineReader PDF 15 can only be installed using the **Assign to Computer** method.

Important! The installation of FineReader on a workstation will only be completed after the workstation is restarted.

Example: deploying ABBYY FineReader PDF 15 using Active Directory

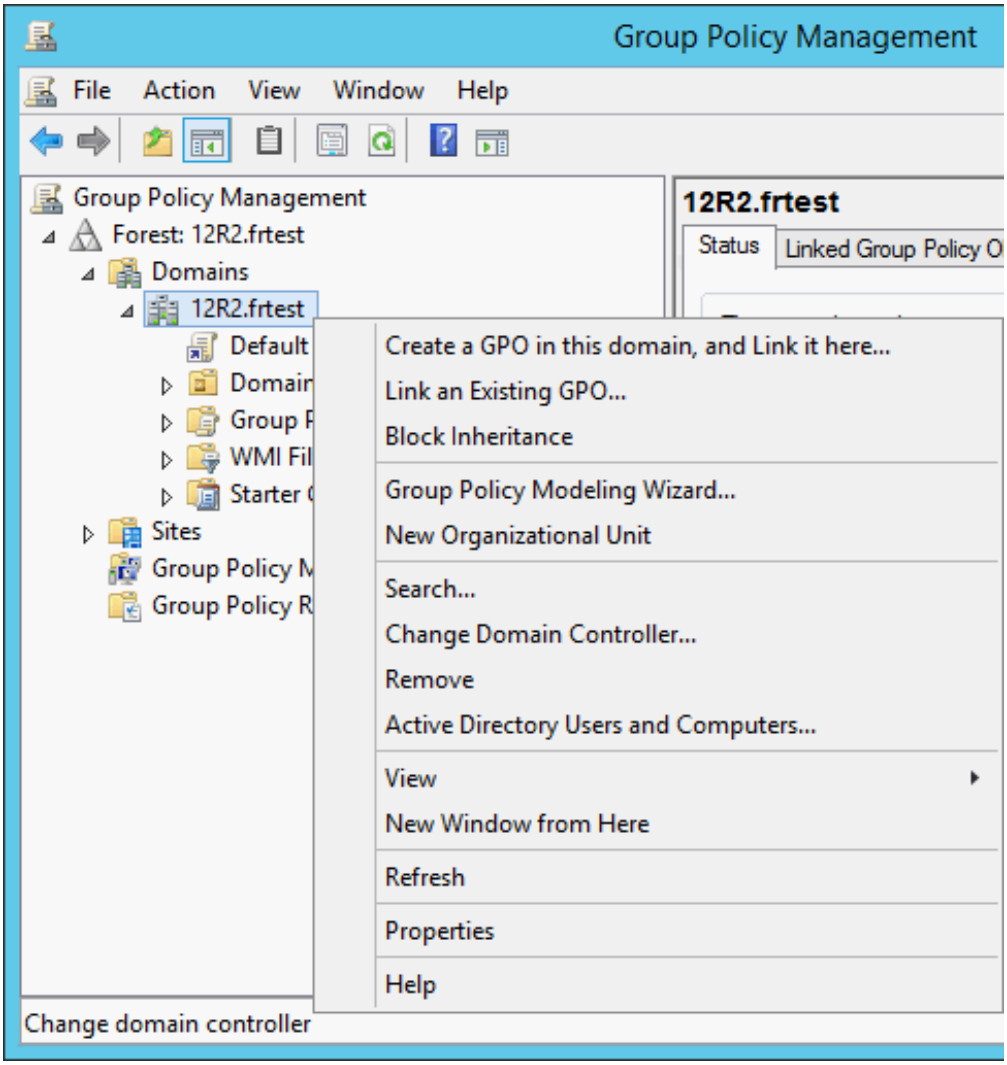
The following example illustrates deployment under Microsoft Windows Server 2012 R2.

1. Create an administrative installation point (see Administrative installation with License Server and License Manager 10) or a multi-user installation point (see Deploying a multi-user distribution package with per-seat licenses and automatic activation 15).
   Note. When using Active Directory to deploy ABBYY FineReader PDF 15, the Domain Computers accounts must have read permissions for the administrative installation folder.

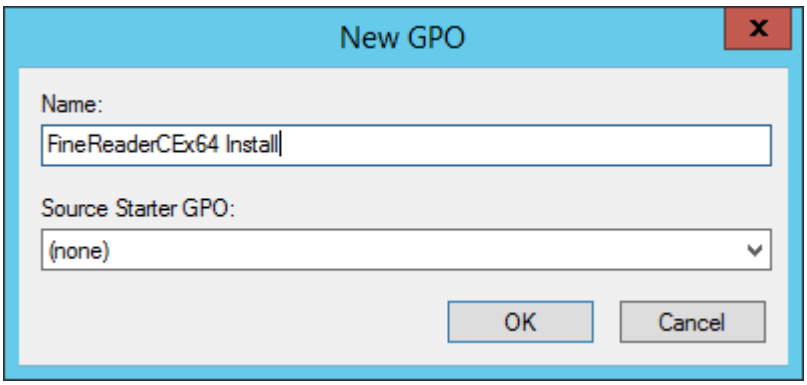
2. Start the **Group Policy Management Console** (**gpmc.msc**).

3. In the tree on the left, select a site, domain or other organizational unit that contains a computer or a group of computers. FineReader will be installed on these computers.

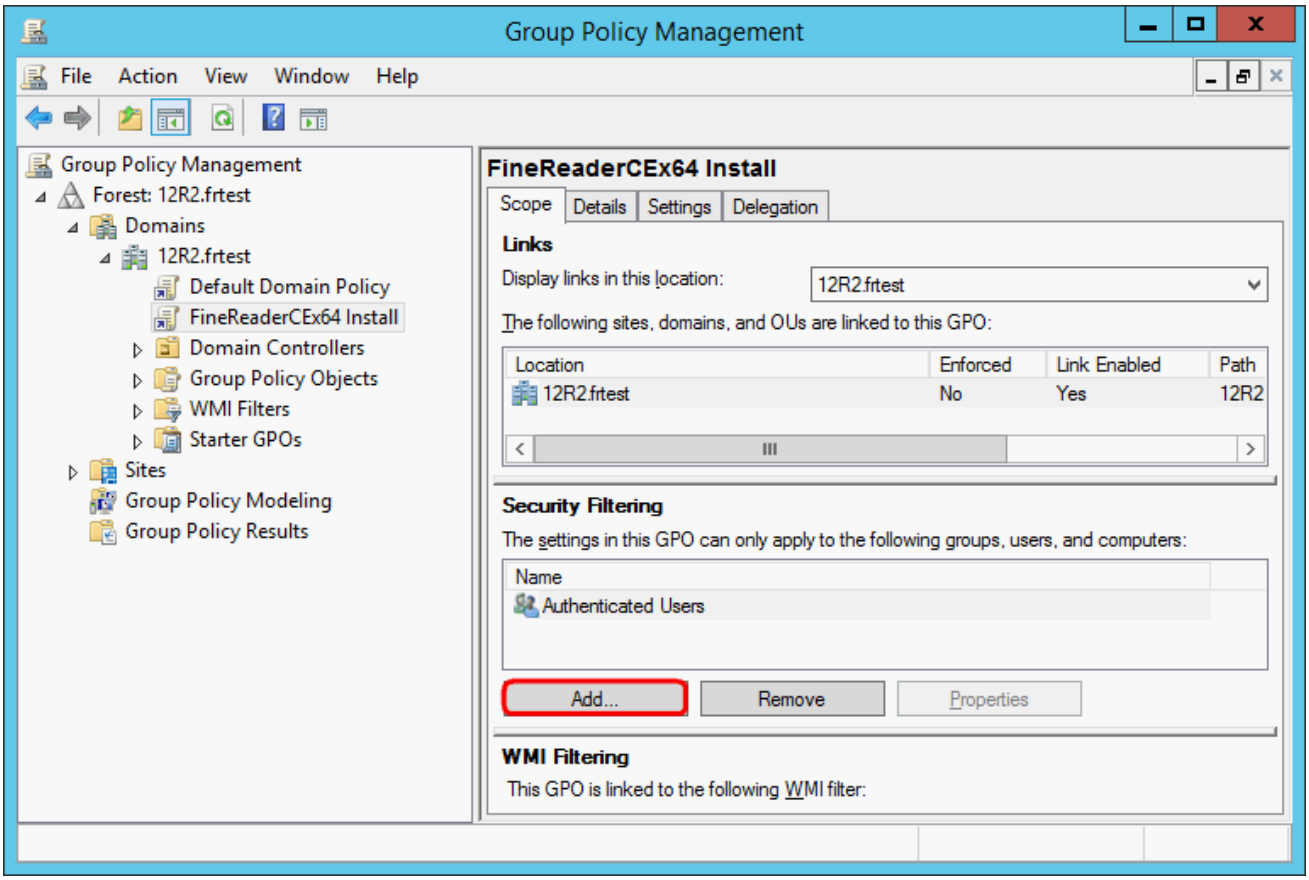
4. Right-click the tree node you selected and click **Create a GPO ... and Link it here...** on the shortcut menu



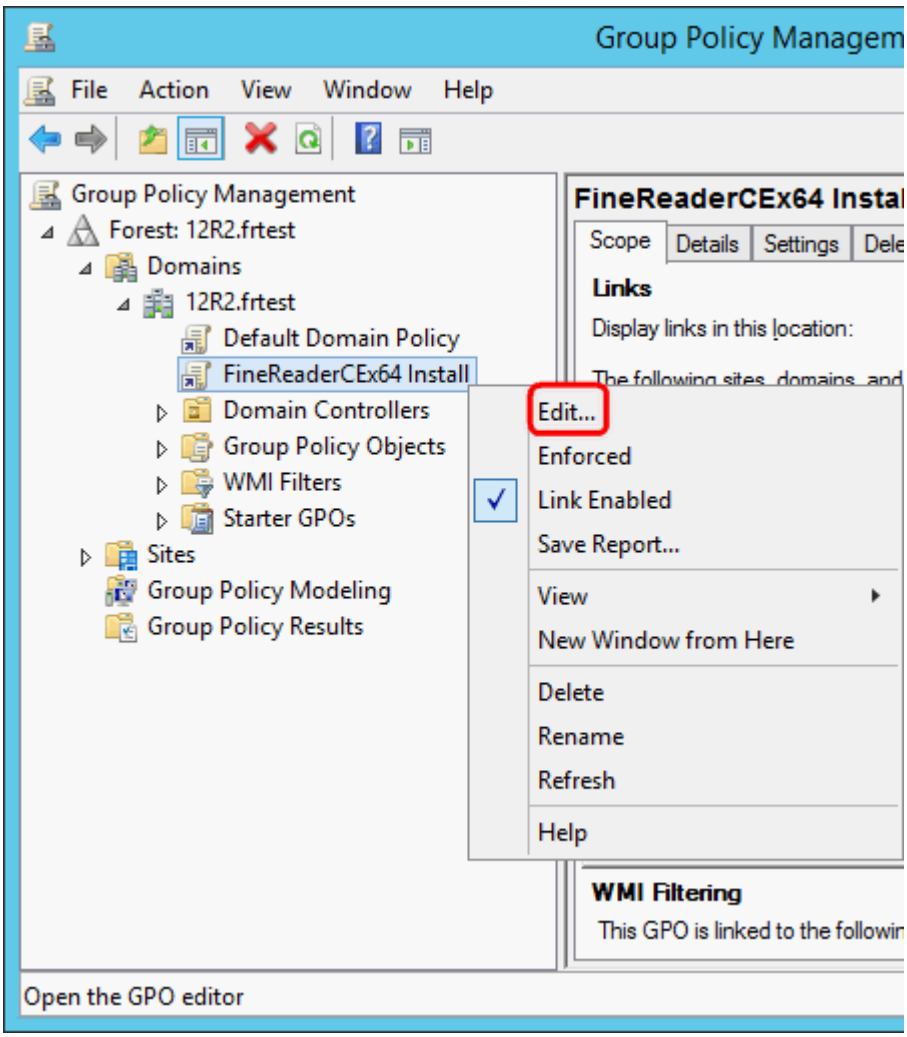
5. In the **New GPO** dialog box, type a descriptive name and click **OK**.



6. Select the **Scope** tab, click the **Add...** button in the **Security Filtering** group and specify the groups that contain the computers where you want to install ABBYY FineReader PDF 15.

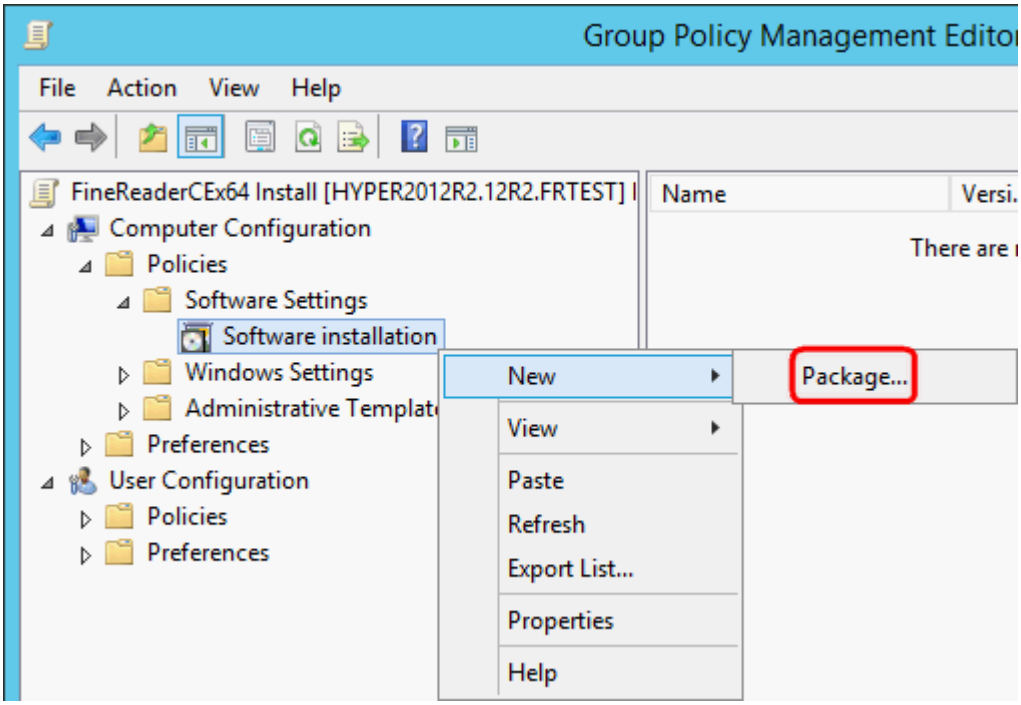


7. Right-click the Group Policy Object (GPO) you created and click **Edit...** on the shortcut menu



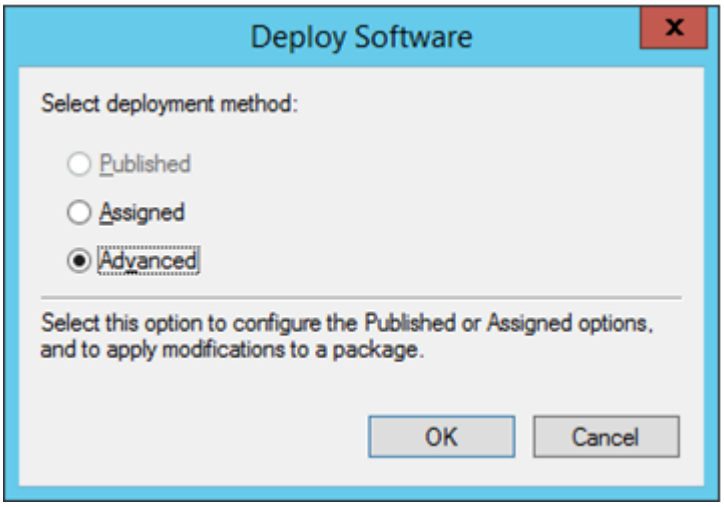
8. In the **Group Policy Management Editor** dialog box, click **Computer Configuration > Policies > Software Settings > Software installation**.

9. Click **New > Package...** on the shortcut menu.

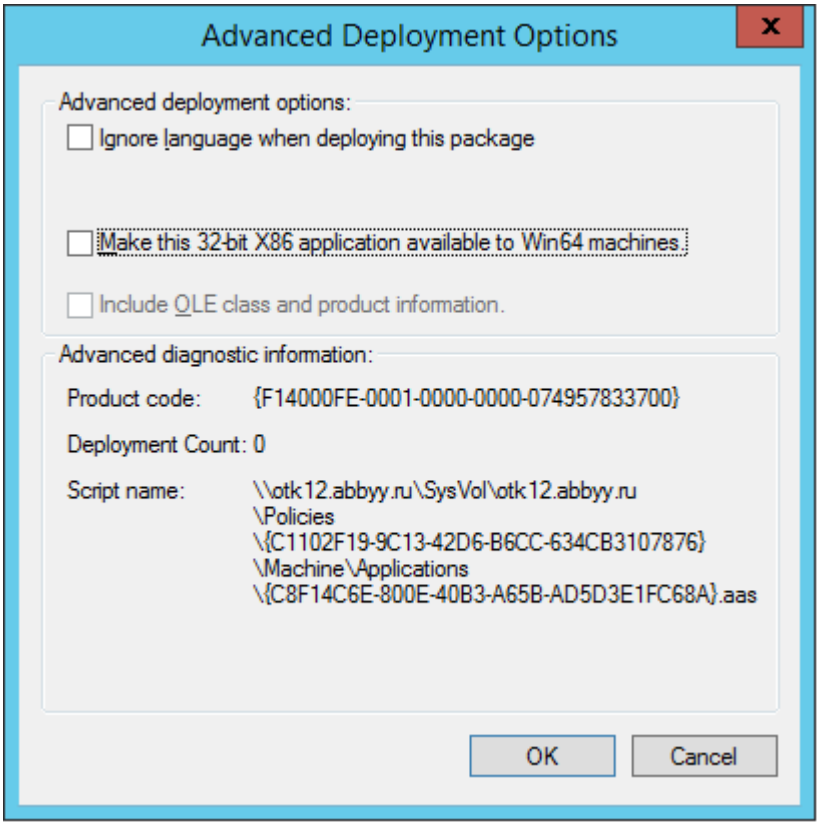


10. Specify the network path to the **ABBYY FineReader 15.msi** file (when installing on 32-bit systems) or the **ABBYY FineReader 15 x64.msi** file (when installing on 64-bit systems). These files are located in the ABBYY FineReader PDF 15 administrative installation folder on the server.

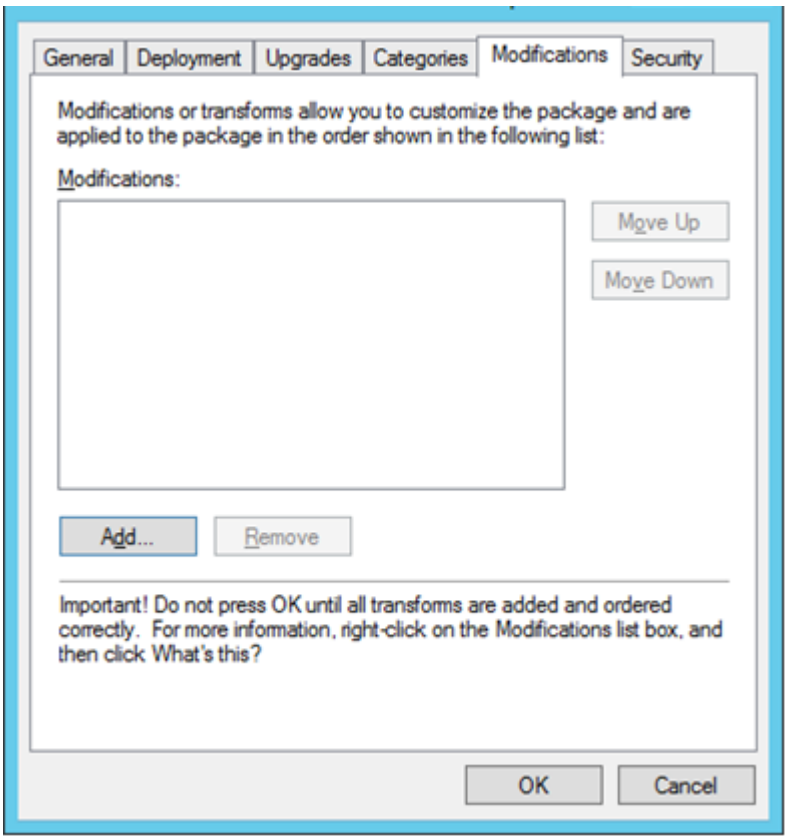
11. Select the **Advanced** deployment method.



12. A dialog box will open. If you are installing the 32-bit version, click the **Advanced** button on the **Deployment** tab and make sure the **Make this 32-bit X86 application available to Win64 machines** option is disabled.



13. Select the **Modifications** tab and click **Add...**



14. Select the interface language file of the desired ABBYY FineReader PDF 15 interface language. The language files are located in the administrative installation folder on the server.

File names and their languages:

1026.mst Bulgarian

1028.mst Chinese (Traditional)

1029.mst Czech

1030.mst Danish

1031.mst German

1032.mst Greek

1033.mst English

1034.mst Spanish

1036.mst French

1038.mst Hungarian

1040.mst Italian

1041.mst Japanese

1042.mst Korean

1043.mst Dutch

1045.mst Polish

1046.mst Portuguese (Brazilian)

1049.mst Russian

1051.mst Slovak

1053.mst Swedish

1055.mst Turkish

1058.mst Ukrainian

1066.mst Vietnamese

2052.mst Chinese (Simplified)

E.g.: To install ABBYY FineReader with the Russian interface, select 1049.mst.

Using Microsoft System Center Configuration Manager (SCCM)

Microsoft System Center Configuration Manager allows remote software deployment on a corporate network to be as automated as possible.

Software deployment using SCCM comprises three stages:

1. Preparing ABBYY FineReader PDF 15 for automated installation.
2. Creating a deployment script, i.e. choosing installation parameters:
   - computer names
   - time of installation
   - conditions for installation
3. Installing the software on the specified computers using the installation parameters specified in the script.

Example: Using SCCM to deploy ABBYY FineReader PDF 15

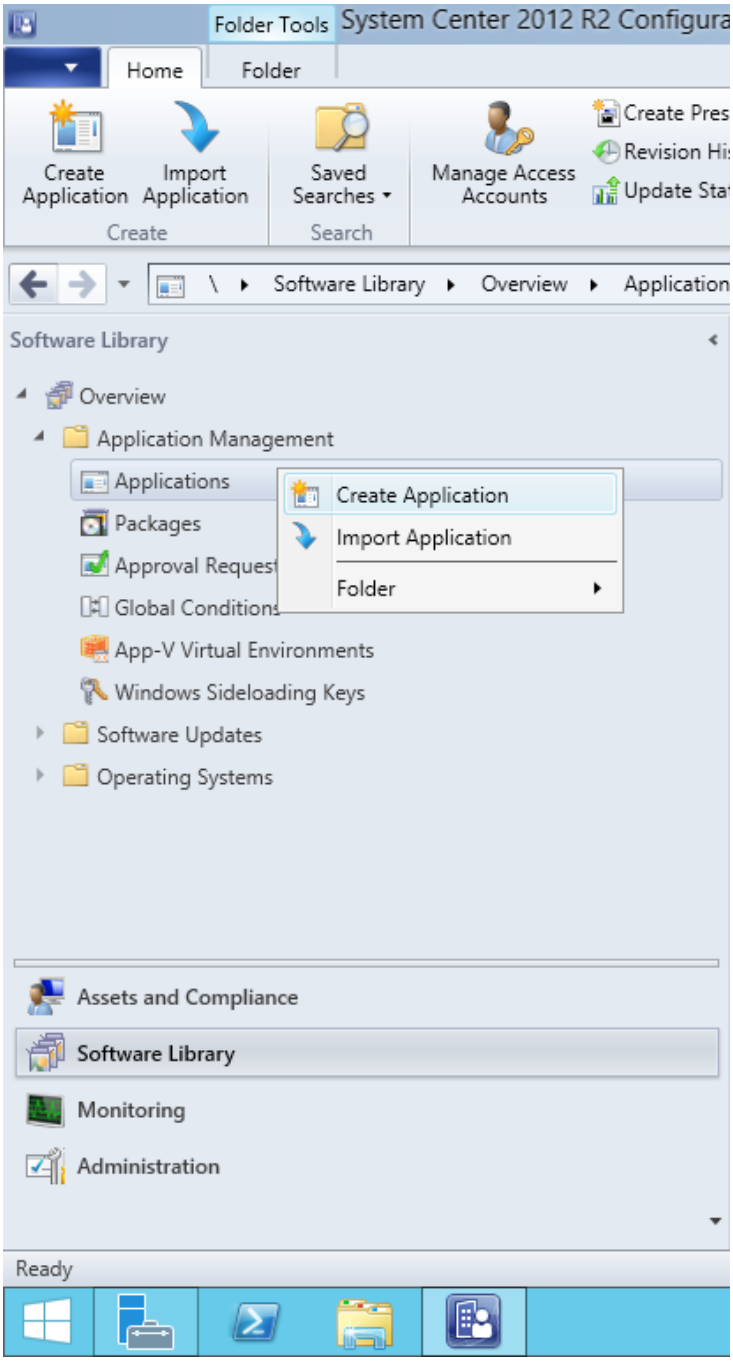
This example illustrates the deployment process on Microsoft Windows Server 2012 R2.

1. Create an administrative installation point (see Administrative installation with License Server and License Manager 10) or a multi-user installation point (see Deploying a multi-user distribution package with per-seat licenses and automatic activation 15).

2. Start the **SCCM Administrator Console** and select the **Software Library** section.

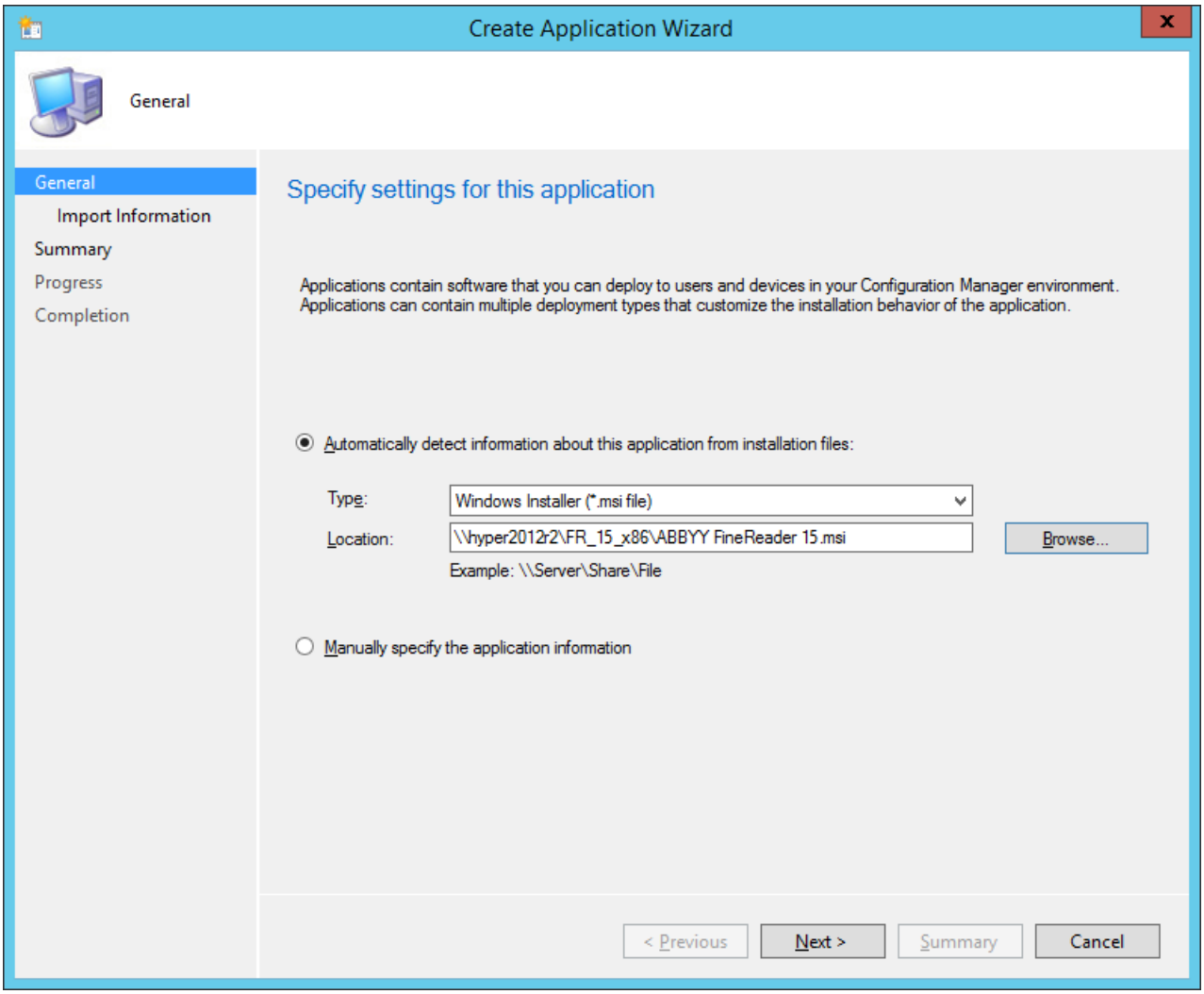
3. Select the **Applications** item in the **Application Management** group.

4. Right-click the **Applications** item and click **Create Application** on the shortcut menu.

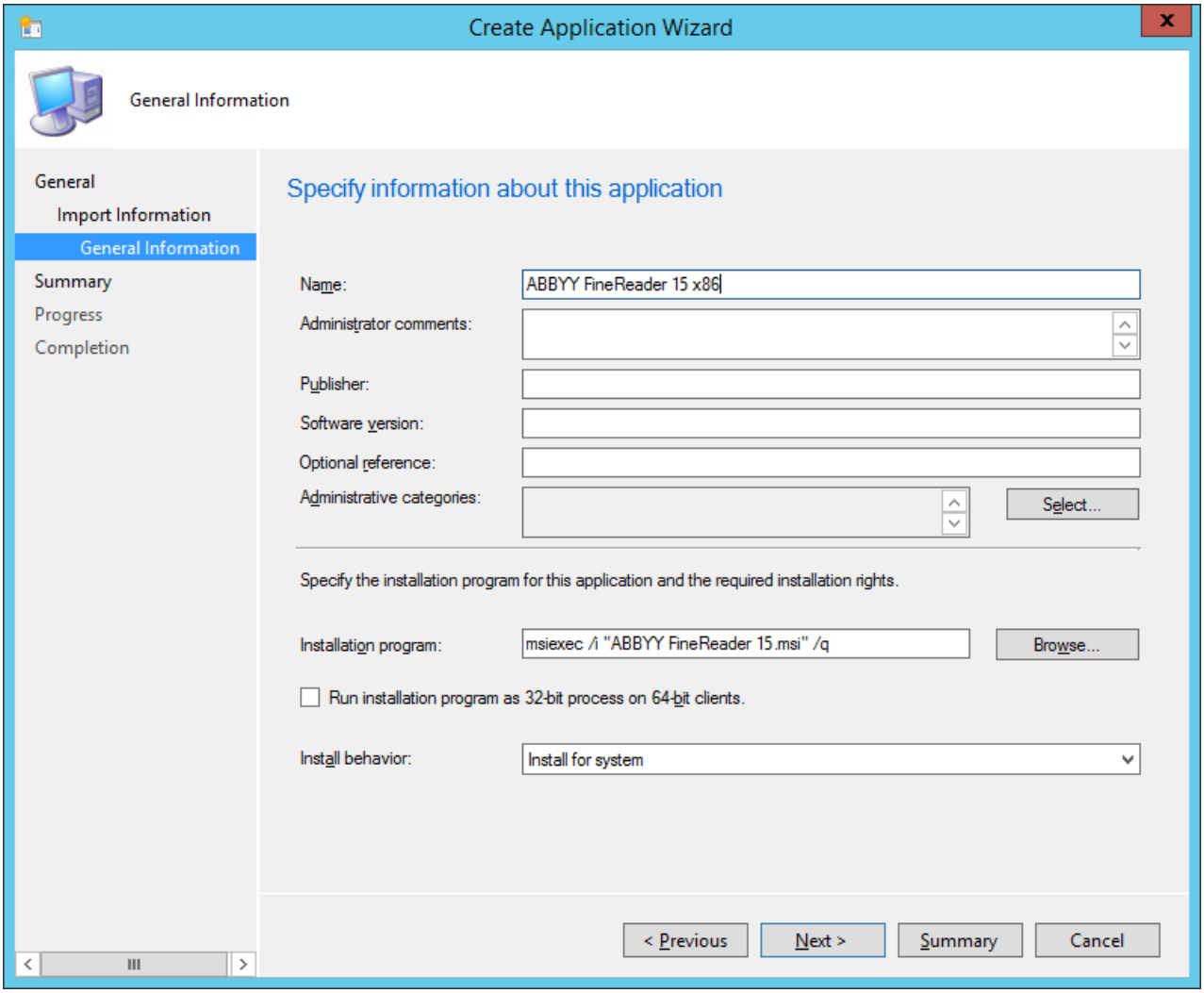


5. In the **Create Application Wizard** dialog box, select **Automatically Detect information about this application from installation files**. Select **Windows Installer (*.msi file)** from the **Type** drop-down list. Specify the path to the administrative installation point in the **Location** box and click **Next**.

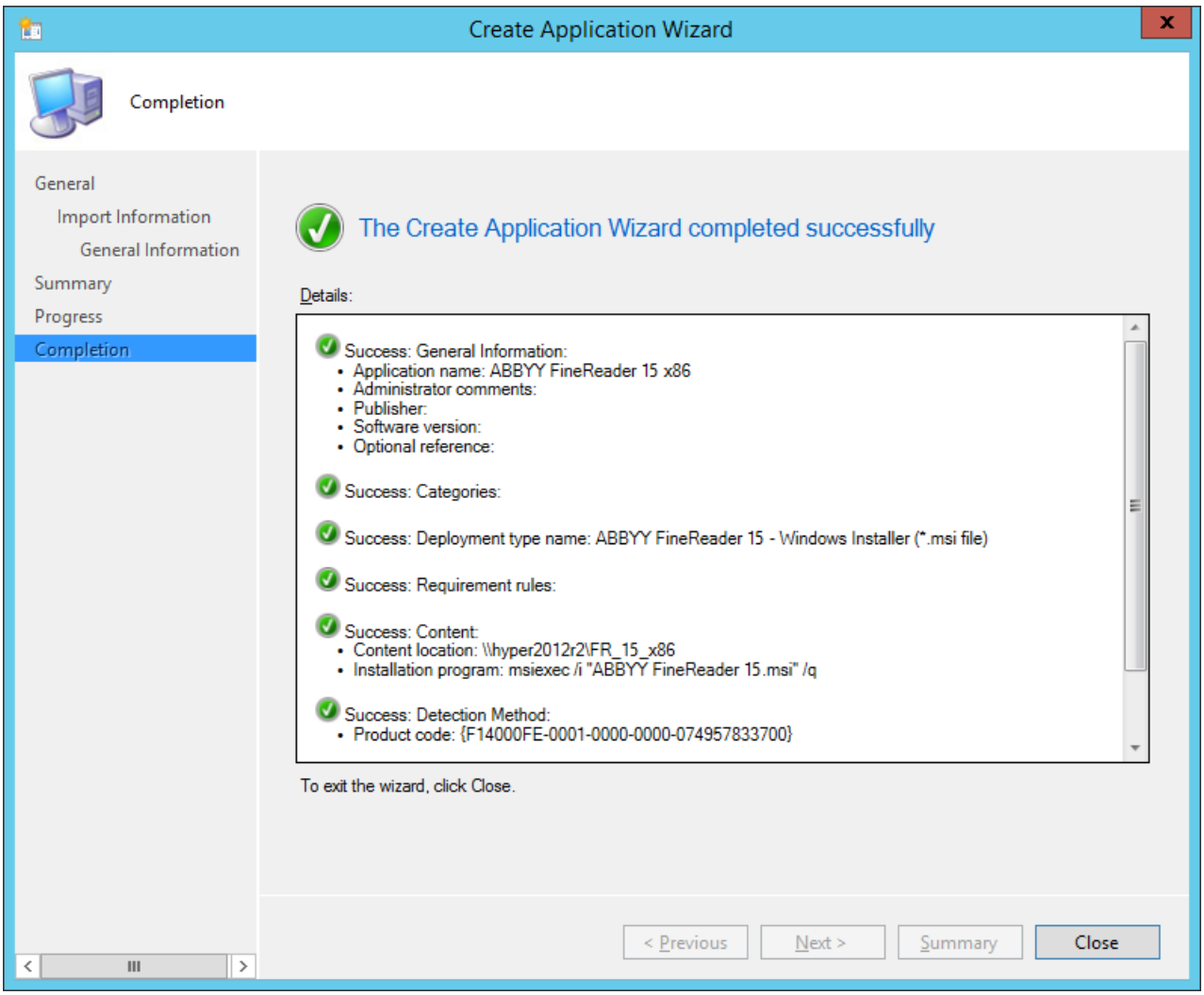
   Note. The 32-bit version of ABBYY FineReader PDF 15 cannot be installed on a 64-bit system. The same is true for the 64-bit version on a 32-bit system.

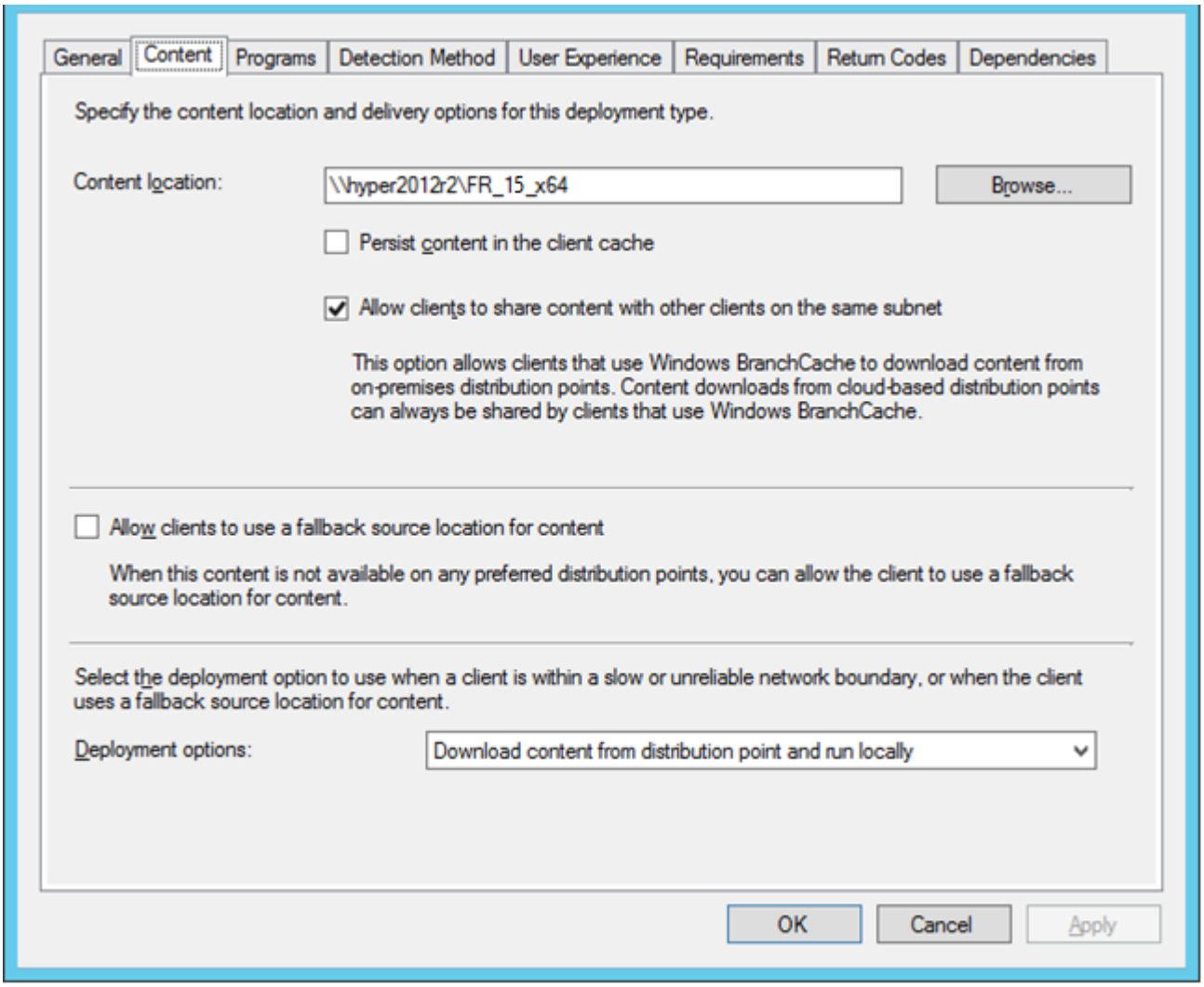


6. Specify any required information about ABBYY FineReader PDF 15. Do not make any changes in the **Installation Program** field. Click **Next**.



7. Check that the application has been created successfully and close the Create Application Wizard.

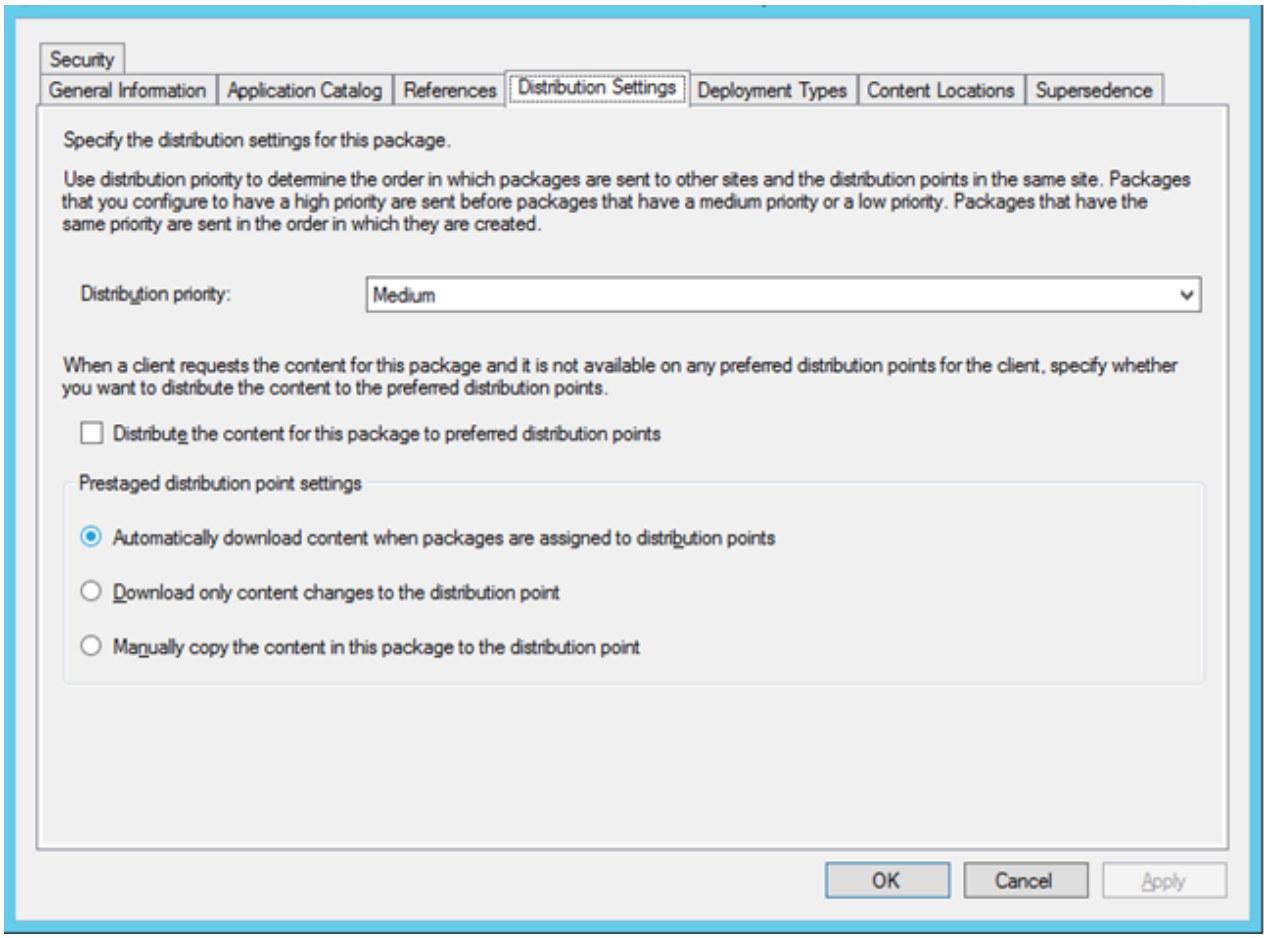




8. To automatically upload installation files to workstations:

   a. Right-click the application you created and click **Properties** on the shortcut menu.

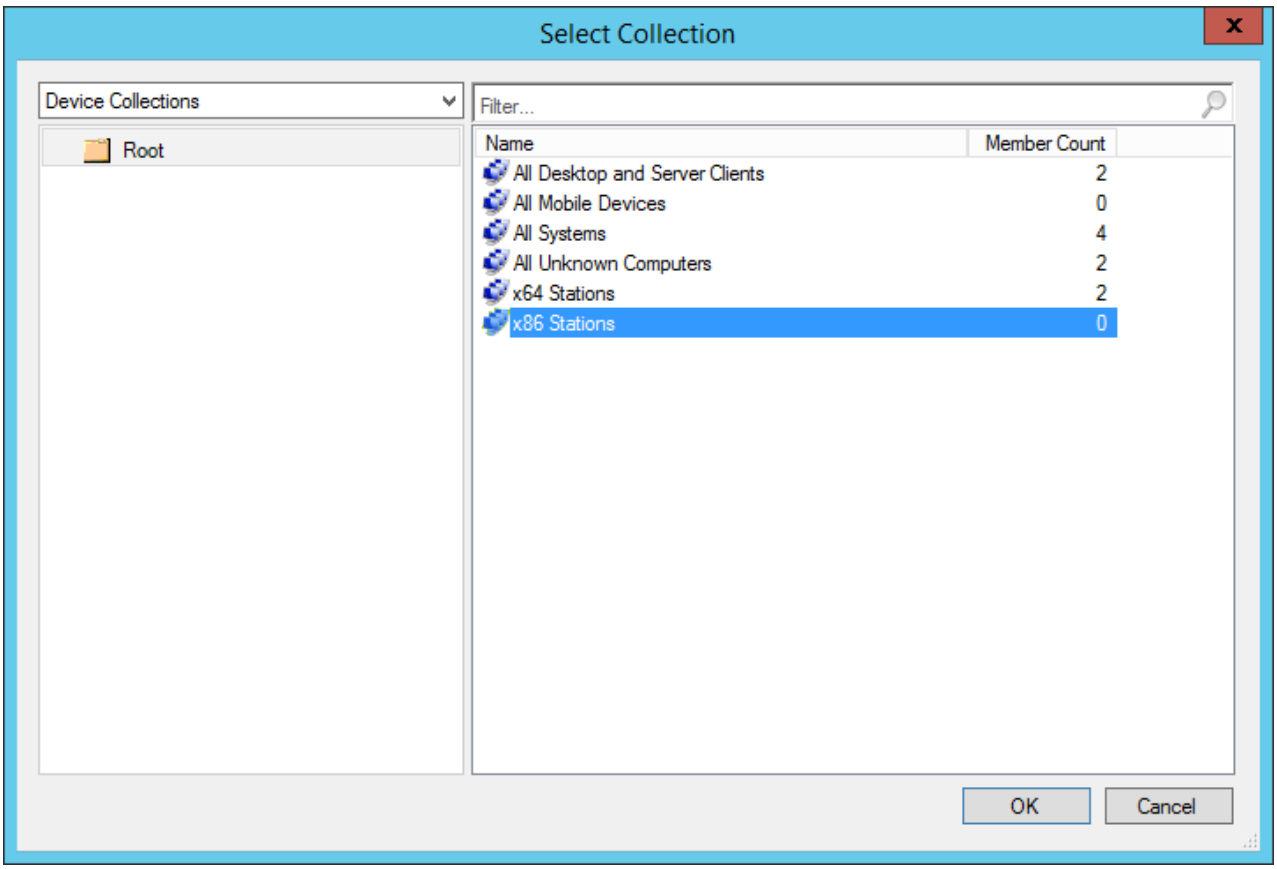
b. In the dialog box that opens, select the **Distribution Settings** tab and enable the **Automatically download content when packages are assigned to distribution points** option.



9. **Recommended settings**:
   On the **Deployment Types** tab, select the ABBYY FineReader 15 Windows Installer and click **Edit**. In the properties dialog box, select the **Content** tab and set **Deployment options** to **Download content from distribution point and run locally**.

10. To deploy the application to workstations, right-click it and click **Deploy** on the shortcut menu. Select the desired **Device Collection** in **Collection**.
    Note: User Collection installations are not supported.

11. Complete the rest of the deployment process as usual.



Installing ABBYY FineReader PDF 15 on a Terminal Server

Installation

ABBYY FineReader PDF 15 deployment was tested on Citrix Workspace App 1808 and later and Windows Server 2012 R2 and later with Windows Remote Desktop Services 7.0 (setup was performed using Windows RemoteApp and Citrix Workspace App). Both of these solutions can be used with any version of ABBYY FineReader PDF 15.

ABBYY FineReader PDF 15 does not support application streaming.

For **Concurrent** and **Remote User** licenses:

1. Create an administrative installation point.
   The License Server and the License Manager can be installed on any computer in the local area network.
   Important! A license server should be deployed on a machine that is accessible on all local machines running ABBYY FineReader PDF 15 at all times.
   Note. The License Server can be installed on the terminal server.
   See Administrative installation with License Server and License Manager 10 for details.
2. Launch the License Manager.
3. Add all your licenses in the License Manager.
4. Install ABBYY FineReader PDF 15 from the administrative installation folder onto the terminal server.

ABBYY FineReader will be installed on the terminal server as if it was a workstation. Users will be able to connect to the server and use FineReader via a client.

Note. If ABBYY Screenshot Reader is installed on a terminal server and accessed via Windows RemoteApp or Citrix Workspace App, users will only be able to make screenshots in applications that are running on the terminal server.

Concurrent and Remote User license specifications

The number of concurrent connections will be limited by license parameters.

Note. If a user starts ABBYY Hot Folder or another bundled application without starting FineReader, a **Concurrent/Remote User** license will still be allocated to the user. The above does not apply to ABBYY Screenshot Reader, as it does not need a **Concurrent/Remote User** license to be launched.

Terminal server system requirements

ABBYY FineReader PDF 15 was tested with the following terminal server configurations:

1. A computer running under Microsoft Windows Server 2019, 2016, 2012 R2 (Remote Desktop, RemoteApp and Remote Desktop Web Access)
2. Citrix Workspace App 1808

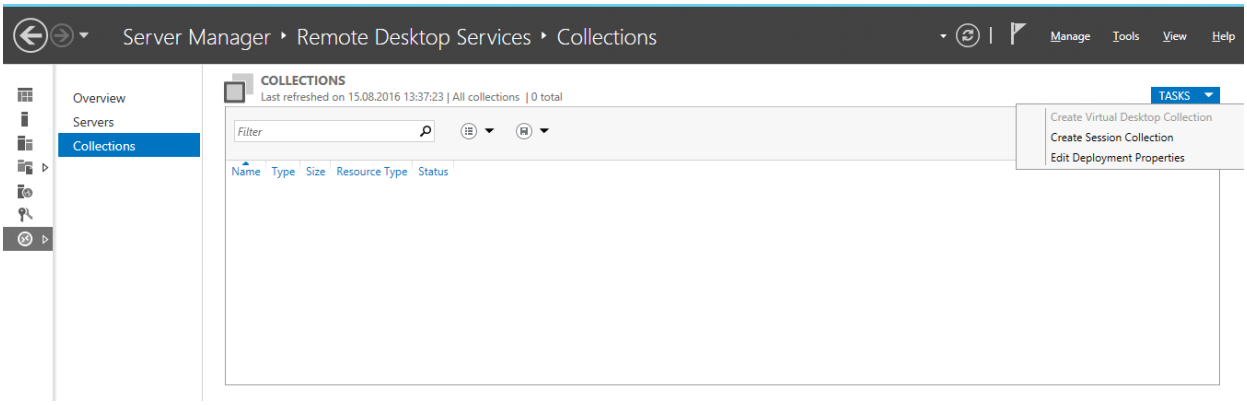
Setting Up Windows RemoteApp

ABBYY FineReader PDF 15 can be deployed using RemoteApp. The instructions below explain how to set up RemoteApp on Microsoft Windows Server 2012 R2.

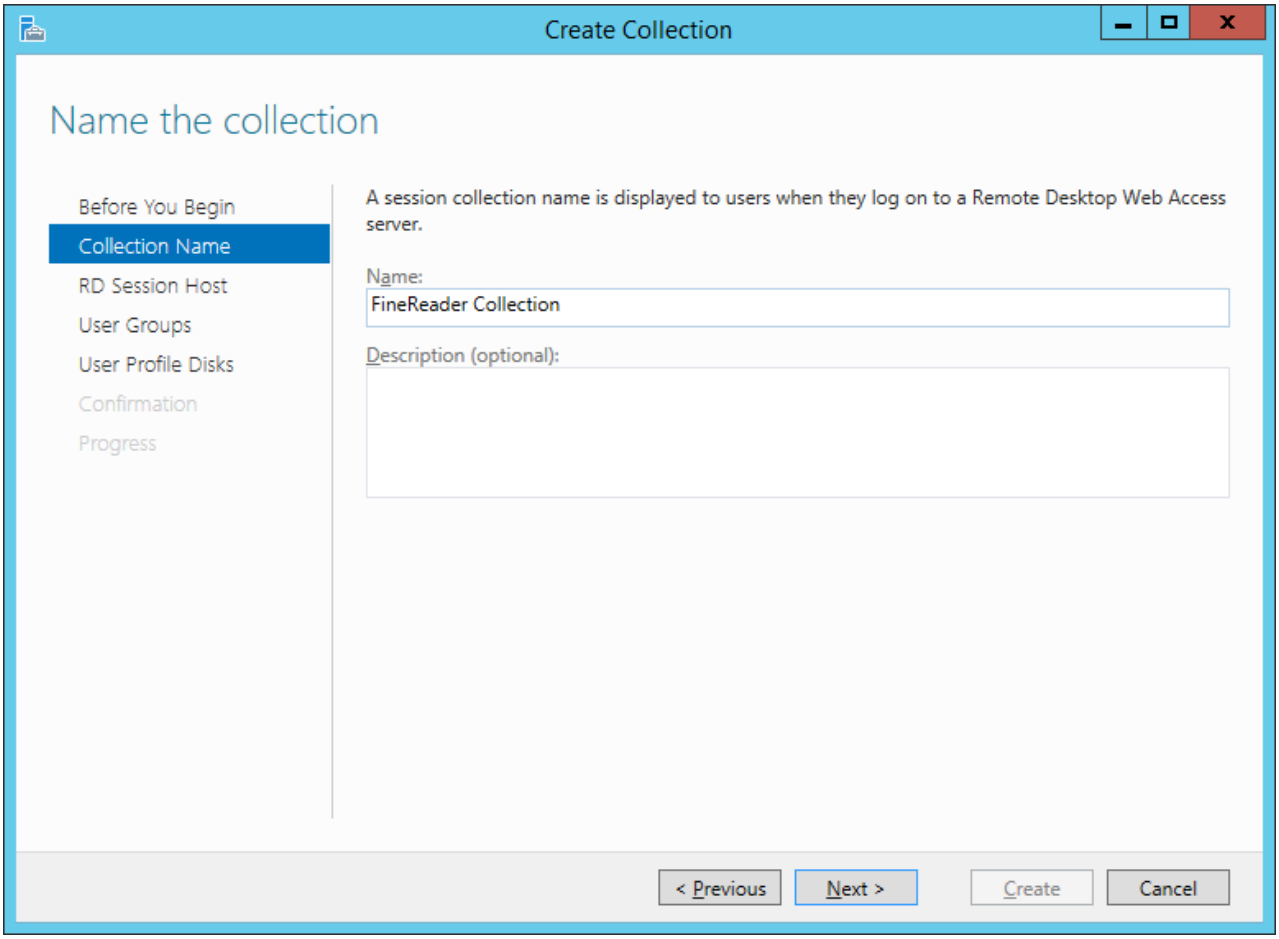
Install ABBYY FineReader PDF 15 on the server.

Create a session collection:

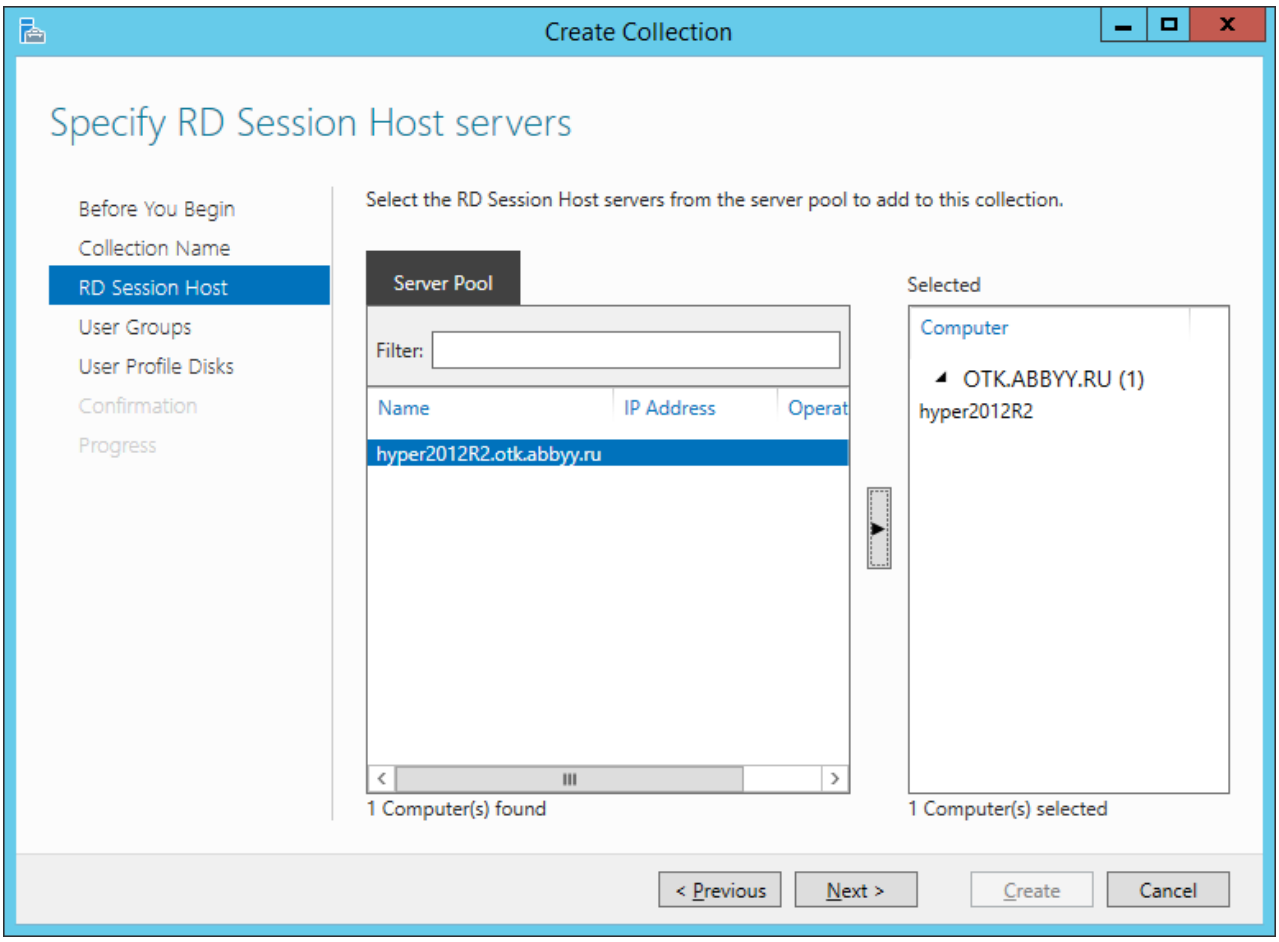
1. Open the **Server Manager** and click **Remote Desktop Services > Collections**.
2. Click **TASKS>Create Session Collection**.



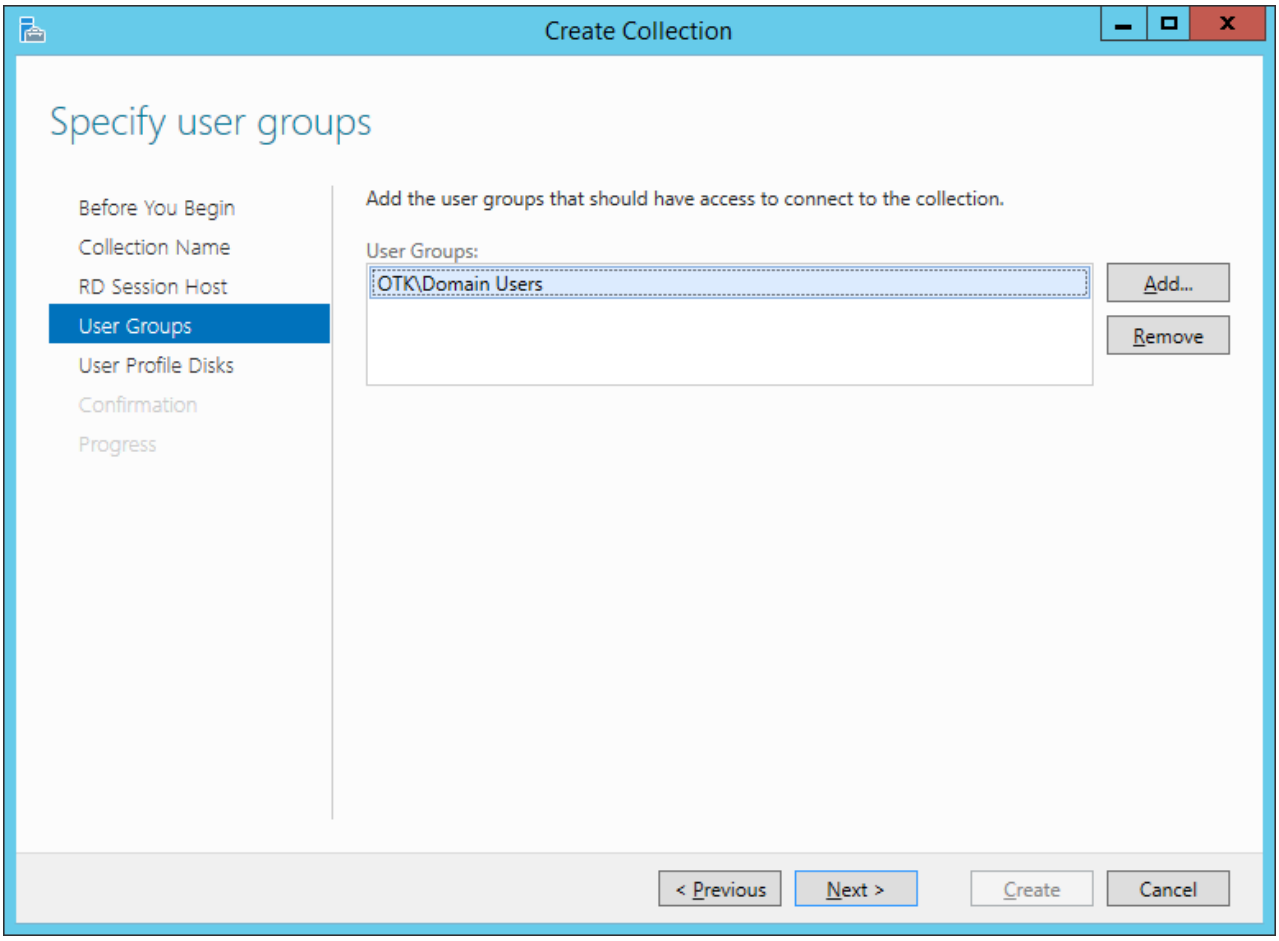
3. Specify the name of the collection.



4. Select the servers that will run the applications.



5. Select the groups that will have access to the applications.



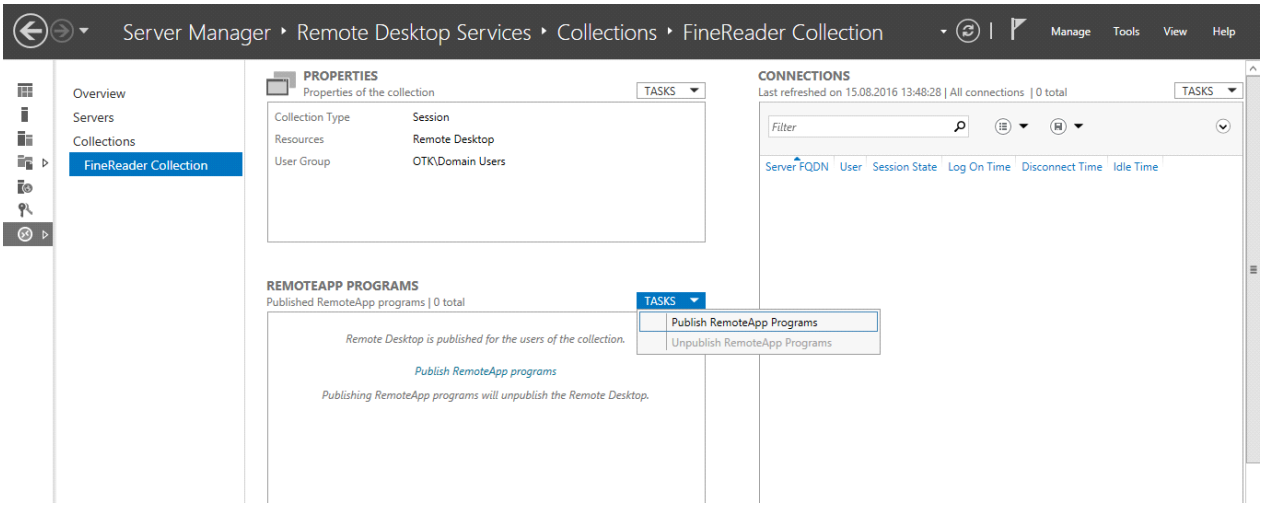
6. Specify whether you would like to add a **User Profile Disc**.

7. Click **Create**.

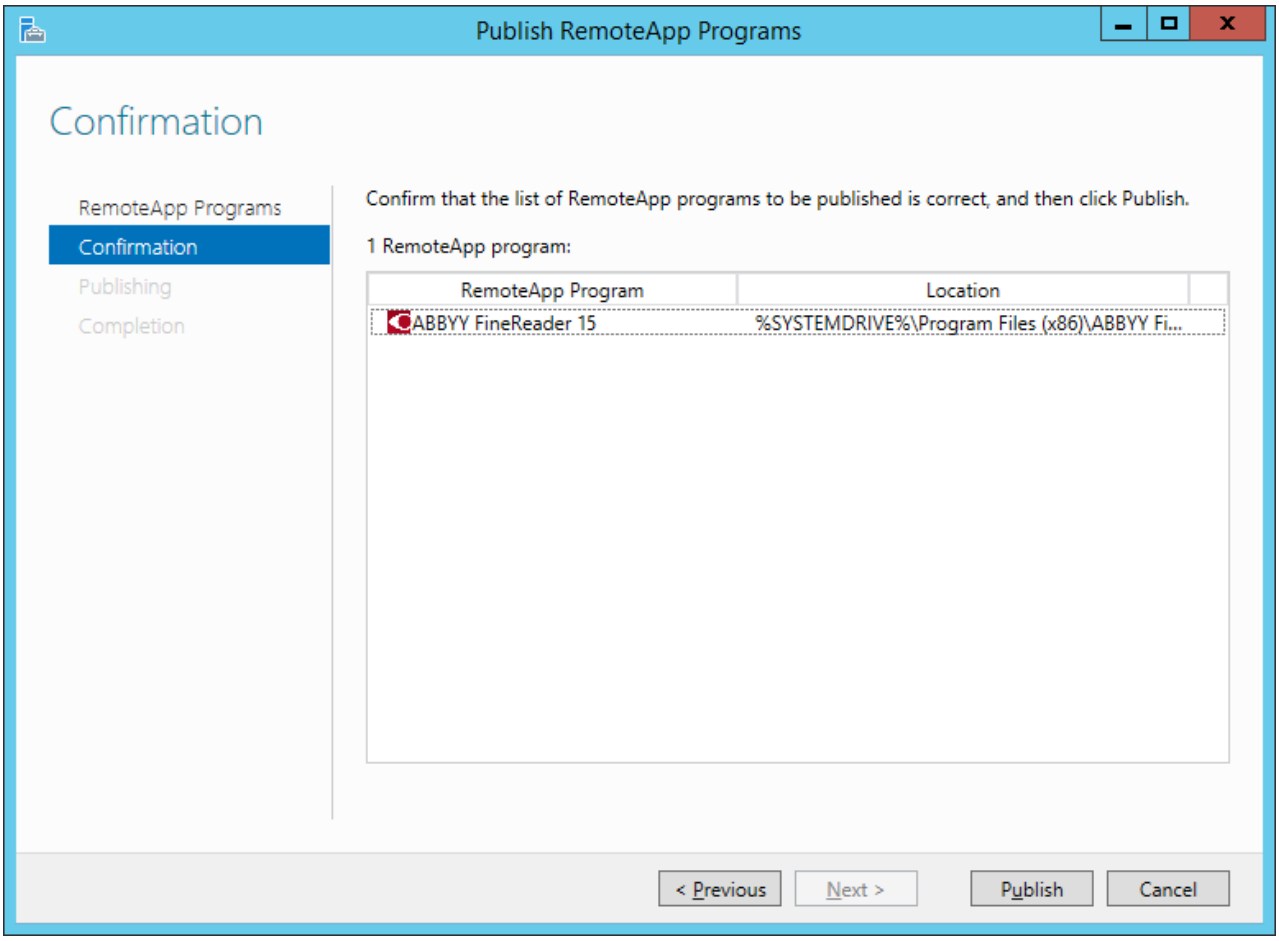
Add ABBYY FineReader PDF 15 to the collection:

1. Open the **Server Manager** and click **Remote Desktop Services > Collection > [name of collection]**.

2. Click **TASKS > Publish RemoteApp Programs**



3. Select ABBYY FineReader PDF 15 and click **Next**.



4. Click **Publish**.

Setting up Citrix Workspace App

When deploying ABBYY FineReader PDF 15 using Citrix Workspace App, use the **Installed application accessed from a server** scenario.
To deploy ABBYY FineReader PDF 15:

1. Install FineReader on all servers in the Delivery Group of the Citrix farm*.

2. Create a Licensing Server and add a suficient number of licenses.

Note. If a user starts ABBYY Hot Folder or another bundled application without starting FineReader, a **Concurrent/Remote User** license will still be allocated to the user. The above does not apply to ABBYY Screenshot Reader, as it does not need a **Concurrent/Remote User** license to be launched.

* A farm is several Citrix servers that are grouped together to enable centralized administration, load balancing and fault tolerance.

Example: setting up Citrix Workspace App 1808

1. Open Citrix Studio.

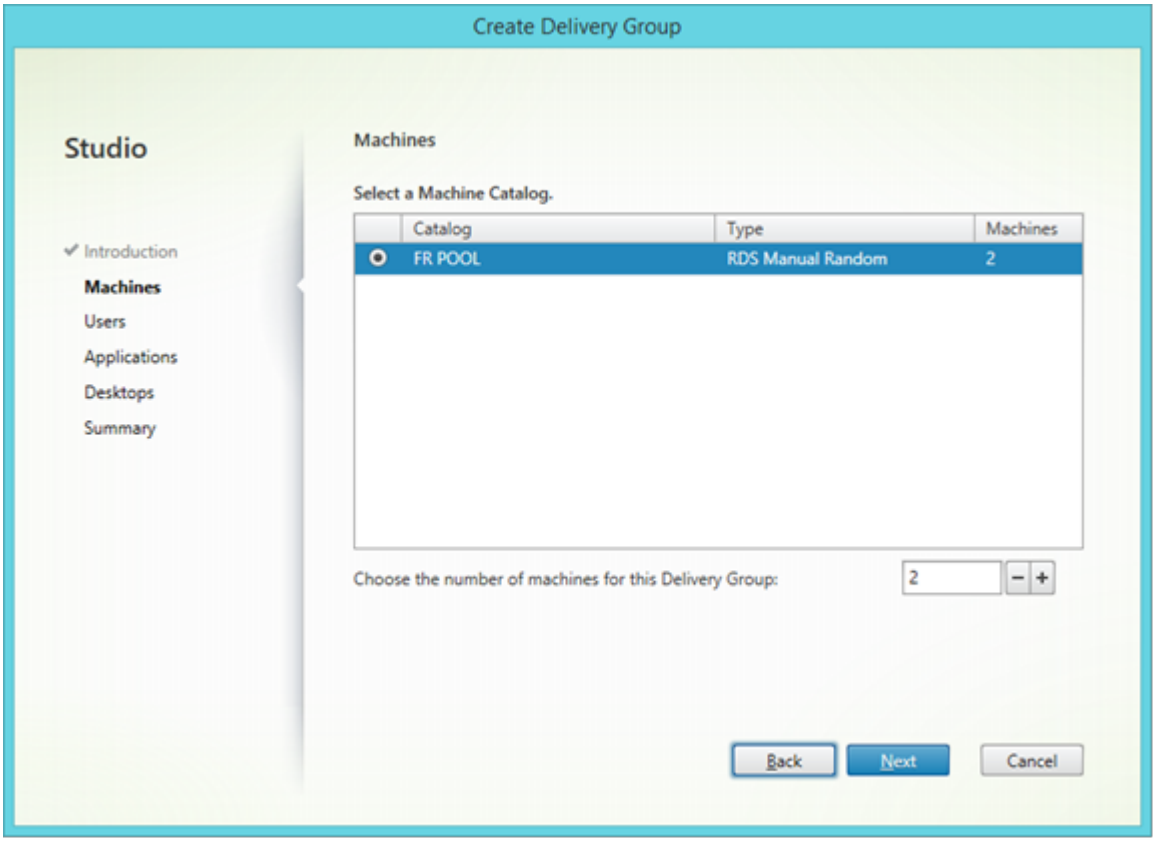
2. Select the farm where you want to deploy ABBYY FineReader PDF 15.

3. Create a Delivery Group for FineReader or add FineReader to an existing group.

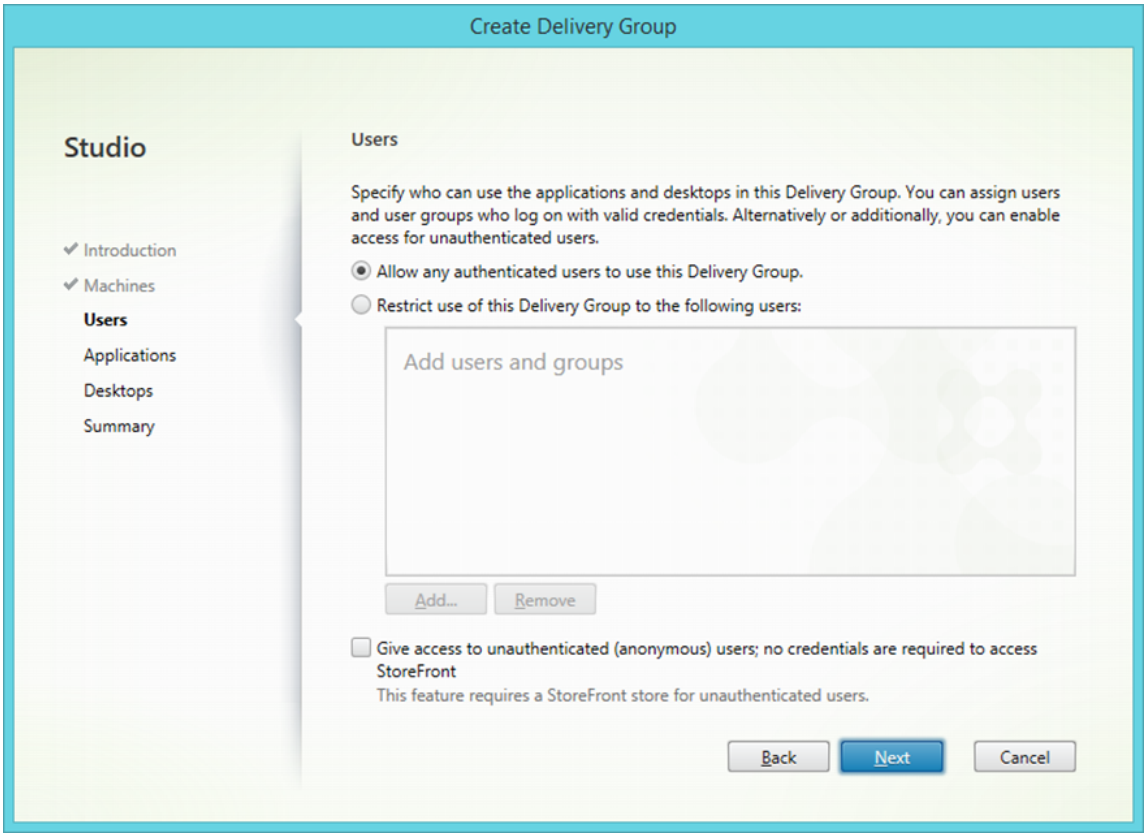
To create a new delivery group:

1. Click **Delivery Groups** > **Create Delivery group**.

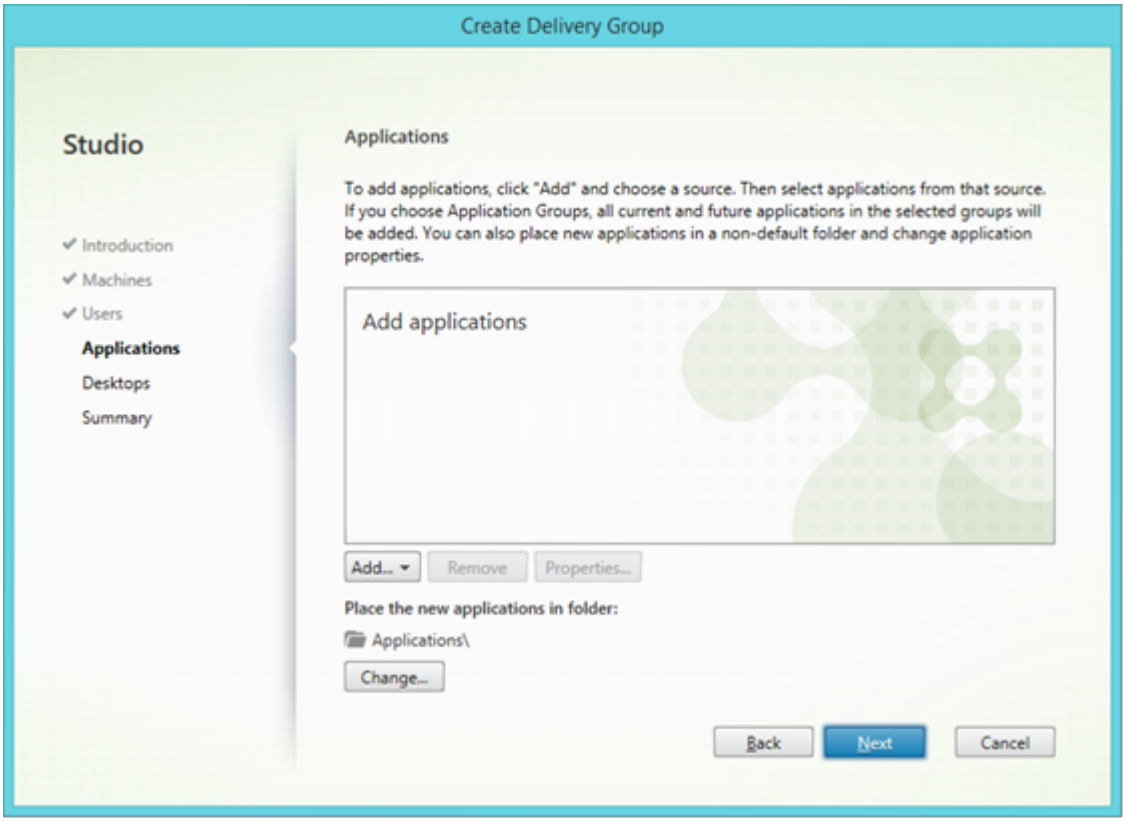
2. On the **Machines** step, select a Machine Catalog from the list and specify the number of servers you want to use.



3. On the **Users** step, specify which users will have access to the Delivery Group or limit the Delivery Group to specific users.

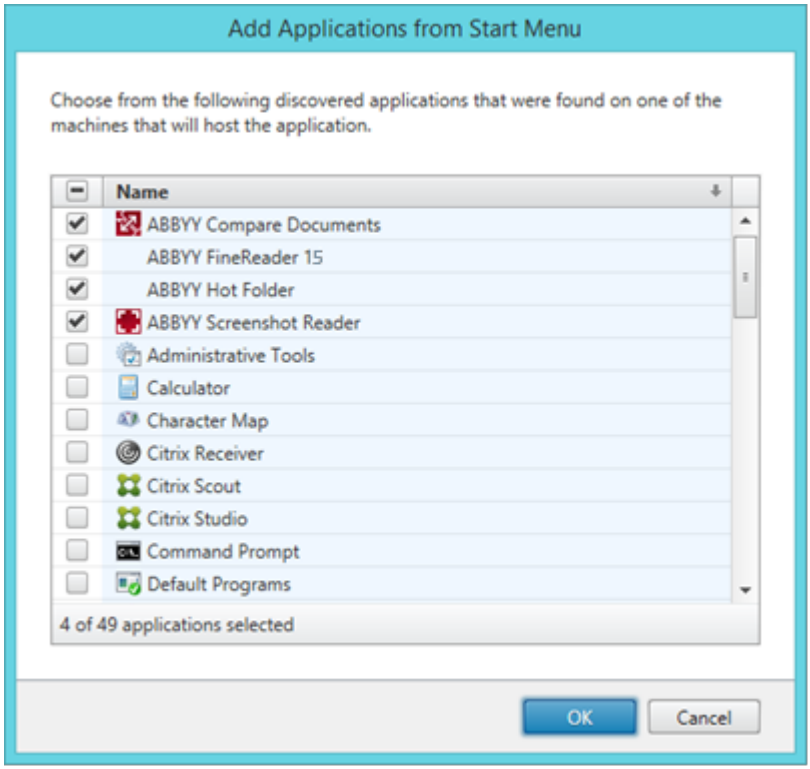


4. On the **Applications** step, click **Add...** and select the applications that can be started in the Delivery Group:



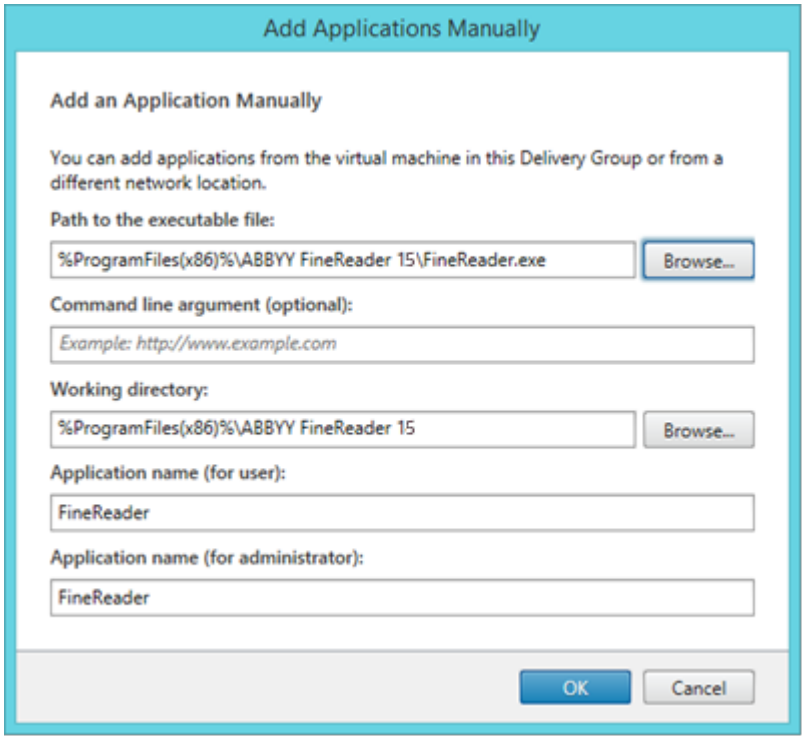
4.1. **From start menu...**

Select ABBYY FineReader PDF 15 from the list. If you want users to have access to bundled applications without first starting FineReader, select these applications. Click **OK**.

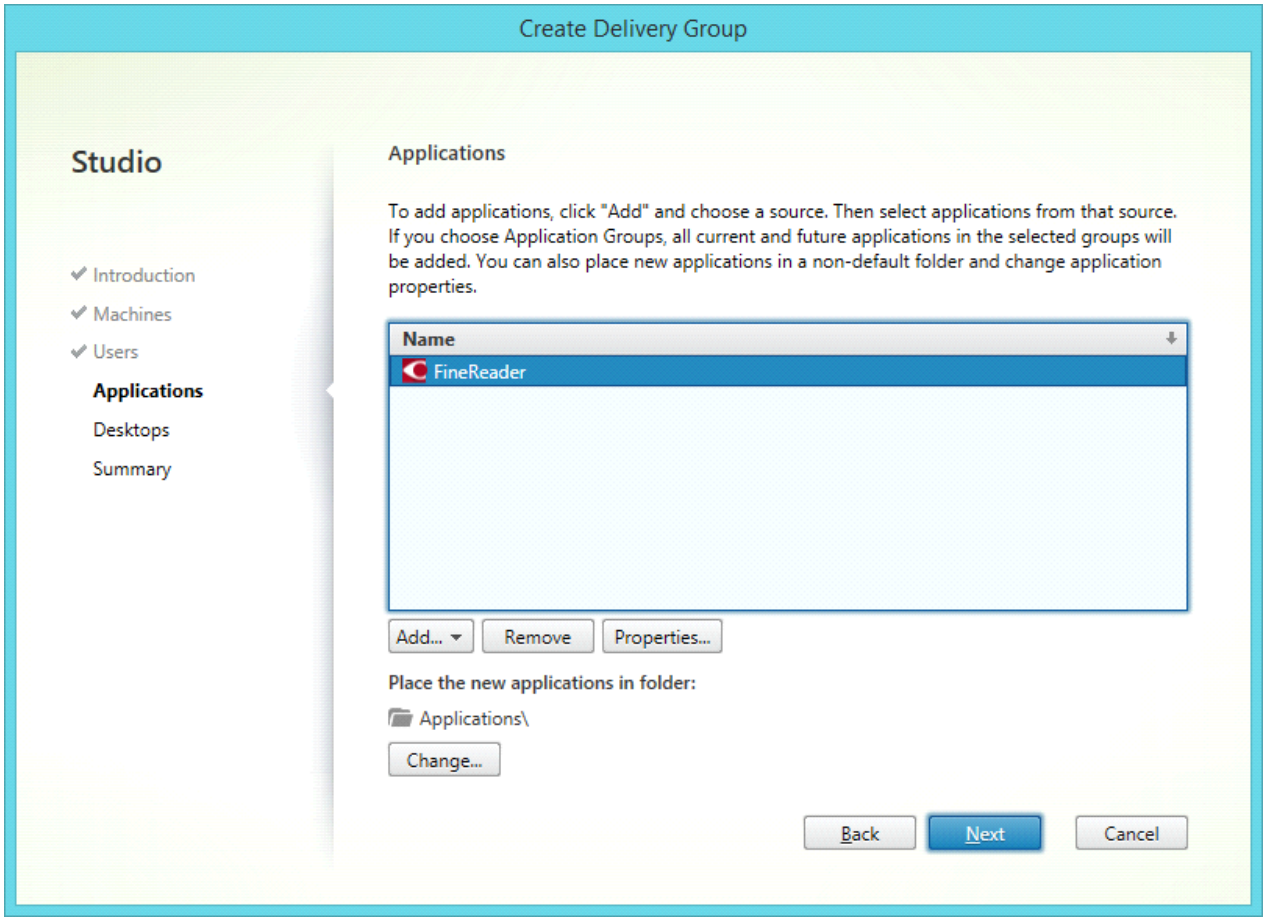


4.2.**Manually...**

If several application directories are available on the selected servers, select the directory with ABBYY FineReader PDF 15 in the **Working directory** box. Under **Path to the executable file**, specify the path to FineReader.exe, then specify an application name for users and one for administrators. Click **OK**.



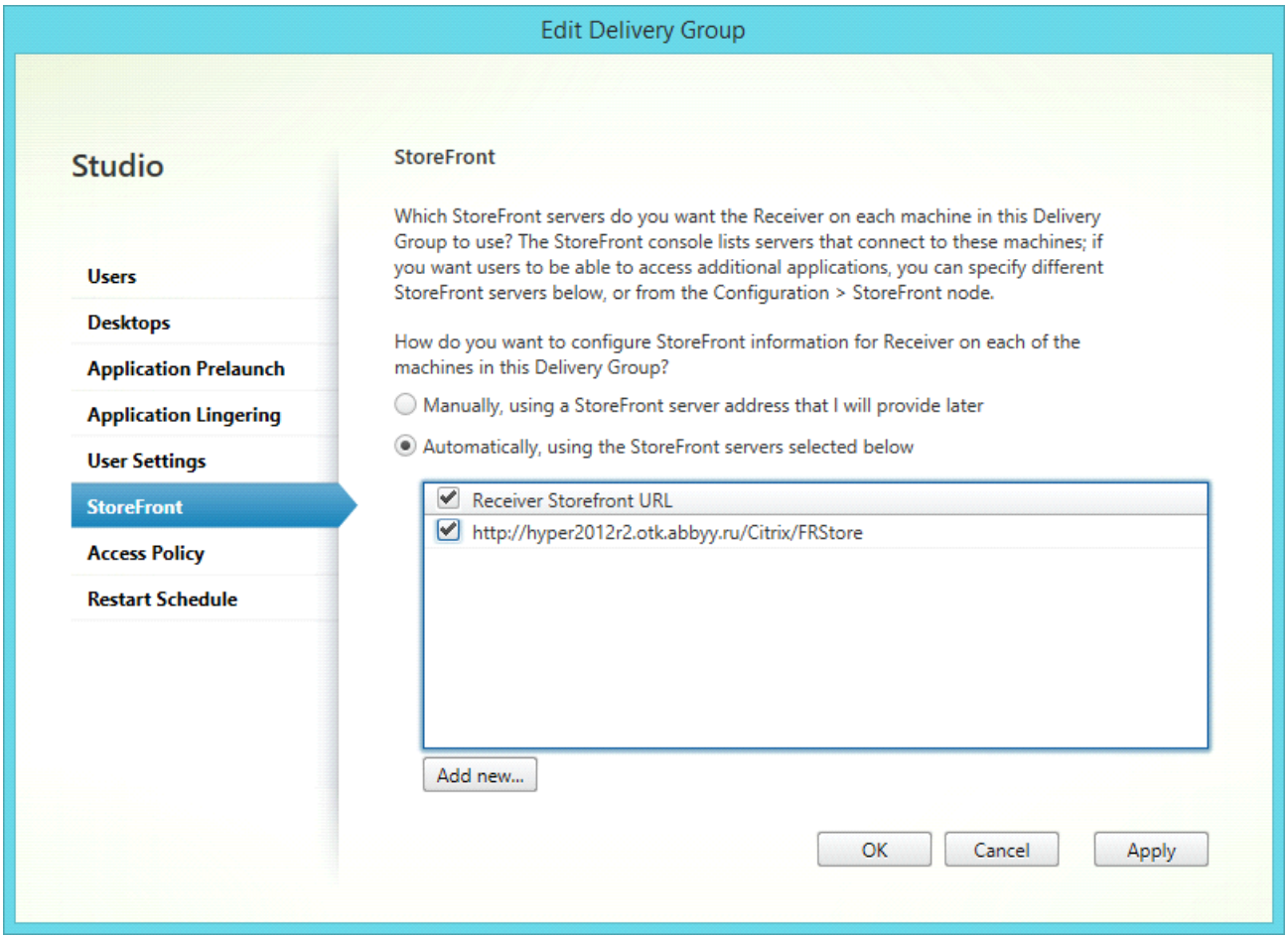
4.3. Add any applications you want to appear in the same Delivery Group as ABBYY FineReader PDF 15 and click **Next**.



5. On the **Desktops** step, add the desktops that will be provided by the Delivery Group. If you do not want to provide access to desktops, skip this step.

6. On the **Summary** step, specify a name for the Delivery Group under **Delivery Group name** and a description under **Delivery Group description, used as label in Receiver (optional)**. Complete the Delivery Group creation process.

7. Select the Delivery Group you just created and click **Edit Delivery Group**. In the dialog box that opens, select the **StoreFront** tab, enable the **Automatically, using the StoreFront servers selected below** option and specify the **StoreFront** servers of the Delivery Group.



To add ABBYY FineReader PDF 15 to an existing Delivery Group:

1. Select the Delivery Group to which you want to add FineReader and click **Add Applications**.
2. Add ABBYY FineReader PDF 15 in the same way as described in step 4 for a new Delivery Group.

Using a group policy to configure ABBYY FineReader PDF 15

The administrator can disable menu items and options that send or download data over the Internet. The administrator can also tweak the behavior of ABBYY FineReader PDF 15. The following options are available:

Enable 'FineReader PDF Blog' menu item – Displays the **Help** > **FineReader PDF Blog** menu item

Enable 'Check for Updates' menu item – Displays the **Help** > **Check for Updates** menu item

Enable 'Send Feedback' menu item – Displays the **Help** > **Send Feedback** menu item

Enable Usage Statistics – Allows the program to send anonymous data about ABBYY FineReader PDF 15 settings and usage statistics to ABBYY for the purpose of the software improvement

Enable activation by user – Displays the **Help** > **Activate...** menu item and the **Licenses** dialog box (**Help** > **About** > **License Info**)

Enable 'Register...' menu item – Displays the **Help** > **Register...** menu item

Enable 'Buy Full Version' – Displays the **Купить полную версию** button in the upper right corner of the program

Enable loading marketing tips from the ABBYY servers – Allows the download of tips and ABBYY marketing messages from the ABBYY servers

Automatically check for updates – Checks automatically for ABBYY FineReader PDF 15 updates

Enable online help – Opens the online help (offline help is only available for some versions of ABBYY FineReader)

Enable working with FTP – Allows the processing of files from folders located on the FTP server in the ABBYY Hot Folder application

Accept EULA and Privacy Policy on behalf of all group users – Don't ask users to accept the EULA and the Privacy policy.
By using this group policy the administrator accepts the EULA and the Privacy Policy on behalf of all users in the group.

Attention: you will not be additionally asked to accept any changes made to the EULA and the Privacy Policy. It is the responsibility of the Group administrator to monitor all product updates for any such changes when installing them. By using the updated product, you accept the latest EULA and Privacy Policy versions. A Group administrator can revoke consent within 10 days after the installation of the latest updates by uninstalling them.

Prompt to make ABBYY FineReader 15 the default PDF application – Enables dialog prompts to make ABBYY FineReader PDF 15 the default PDF viewer.

Enable 'Quick Start Guide' menu item – Displays the **Help** > **Начало работы с программой** menu item

Max number of CPU cores: N – Sets a maximum number of processors that can be used by ABBYY FineReader PDF 15 (setting N=0 removes this restriction)

Period of inactivity (hrs) after which license will be lost: M – Vacates the **Concurrent** / **Remote User** license after M hours of user inactivity (setting M=0 disables this option)

Note. In order to have the program not display a specific menu item or option, uncheck the box next to the appropriate item or option.

Note. In order to change the above parameters, download the FineReader15.admx and FineReader15.adml files.

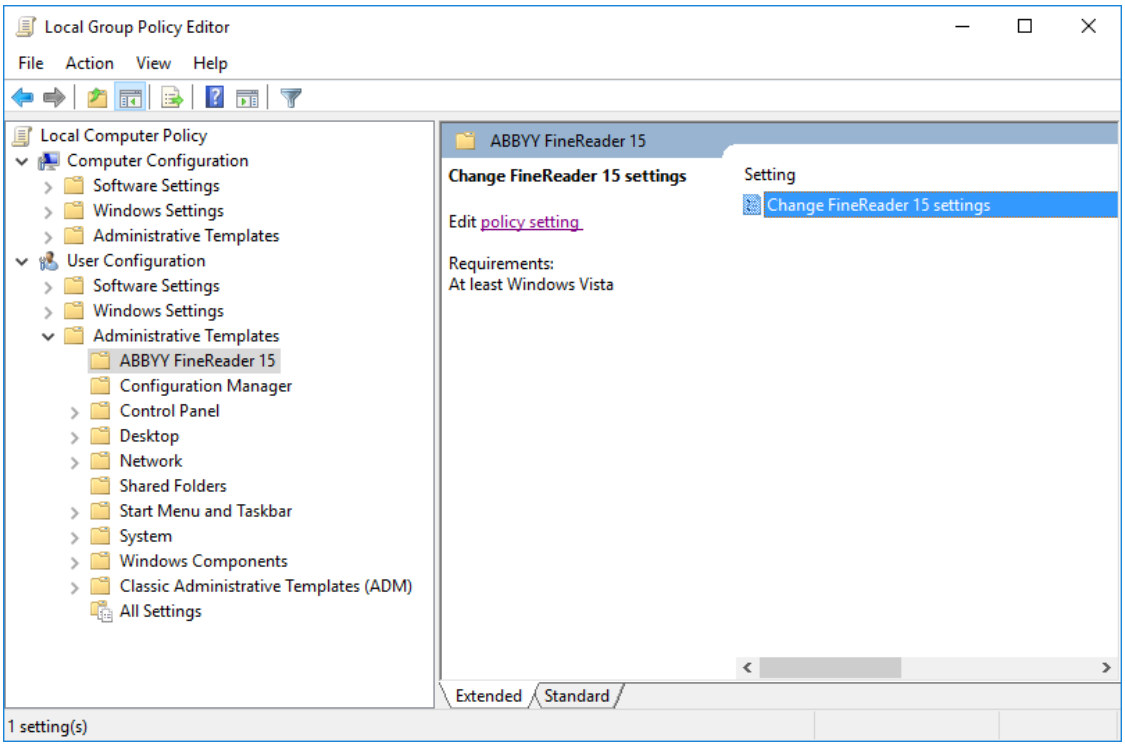
Setting up ABBYY FineReader PDF 15 on a local machine

1. Download the FineReader15.admx and FineReader15.adml files.

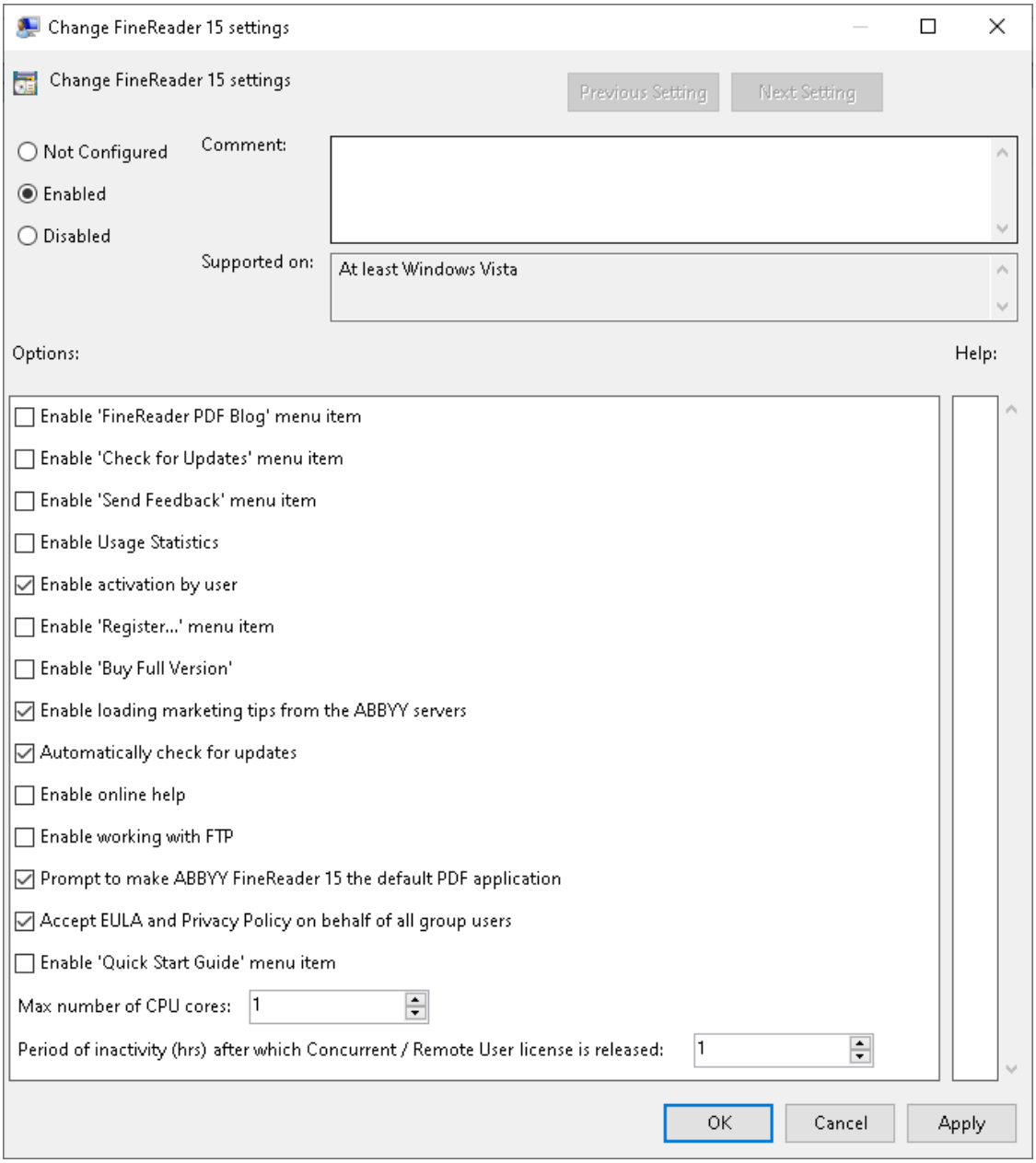
2. Place the **FineReader.admx** file into the **%systemroot%\policyDefinitions** folder, and the **FineReader15.adml** file into the **%systemroot%\policyDefinitions\en-US** folder.

3. Open the **Run** dialog box (Win + R) and execute **gpedit.msc**.
   This will open the **Local Group Policy Editor** window.

4. To edit your group policy, select **User Configuration** > **Administrative Templates** > **ABBYY FineReader PDF 15** and open the **Change FineReader 15 settings** policy.



5. Mark the appropriate parameters and click **OK**.



6. To save your changes, update your group policies and restart ABBYY FineReader PDF 15 on your workstation.

Note. Parameters set up using Group Policy are applied globally to all applications that are part of ABBYY FineReader PDF 15.

Setting up ABBYY FineReader PDF 15 on all machines in the domain simultaneously

1. Download the FineReader15.admx and FineReader15.adml files.

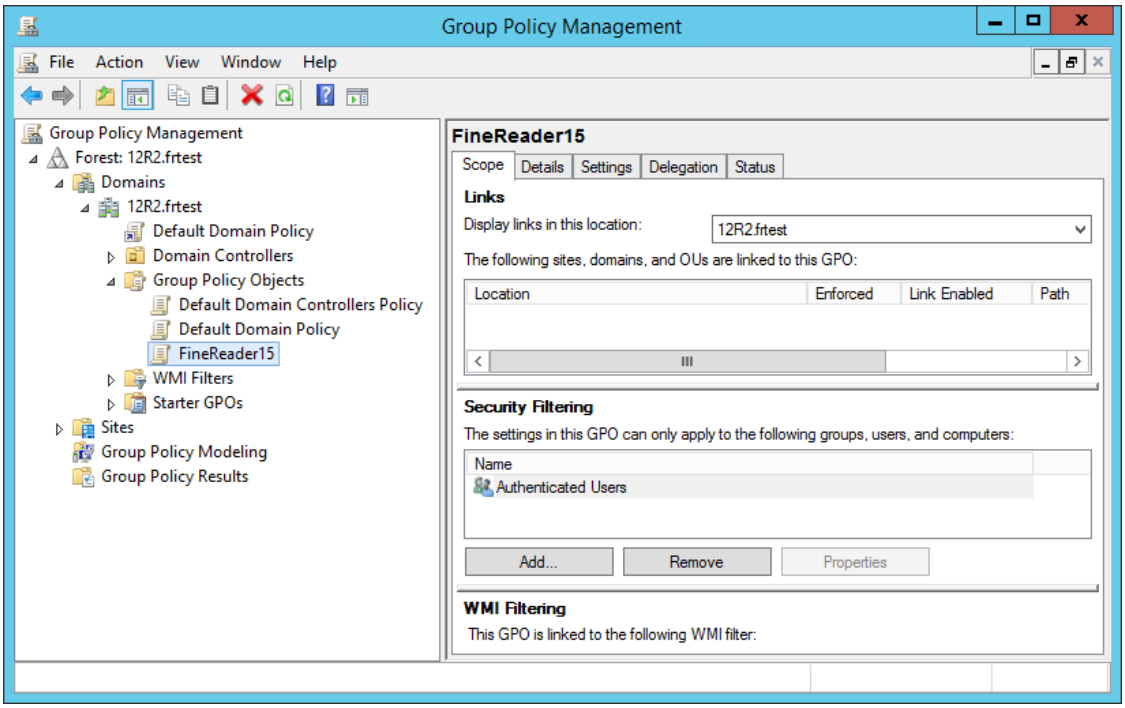
2. Place the **FineReader.admx** file into the **%systemroot%\sysvol\domain*\policies\PolicyDefinitions** folder, and the **FineReader15.adml** file into the **%systemroot%\sysvol\domain*\policies\PolicyDefinitions\en-us** folder.
   * domain name

3. Open the **Run** dialog box (Win + R) and execute **gpmc.msc**.
   This will open the **Group Policy Management** console.

4. Create a new group policy object. To do this, open the shortcut menu for the **Group Policy objects** node and select **New**.

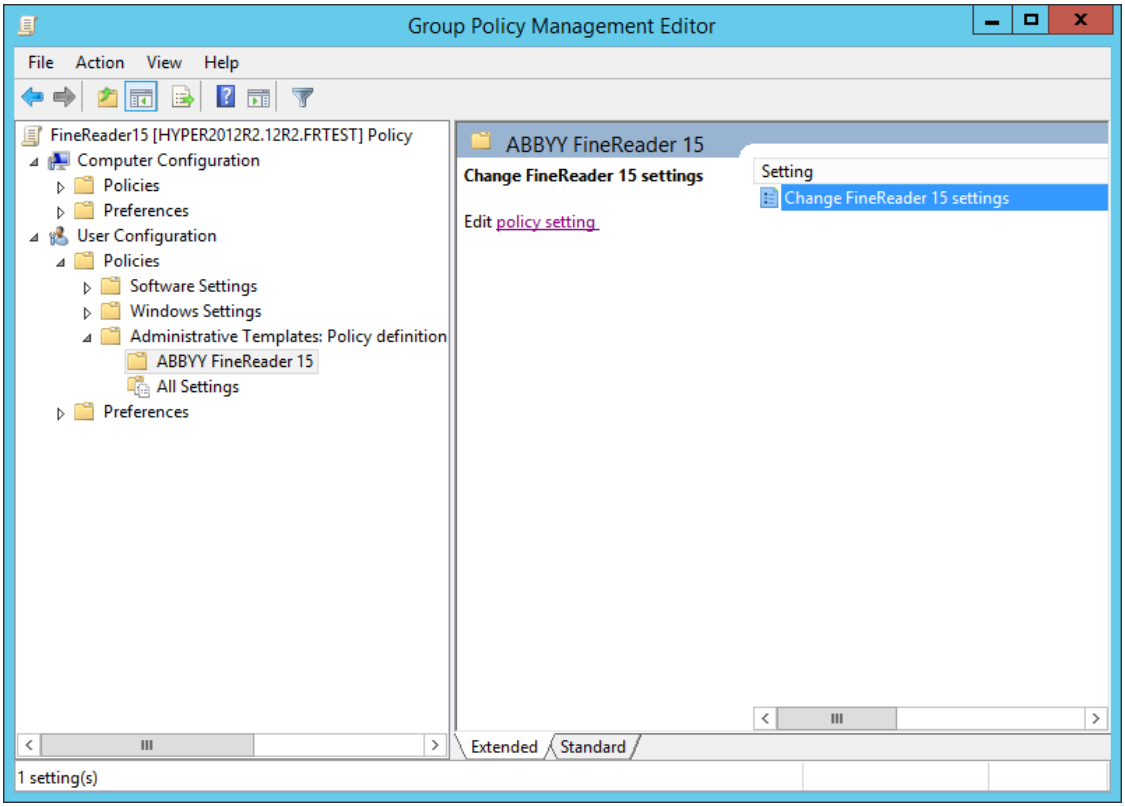
5. Enter a name for your group policy and click **OK**.

6. Expand the **Group Policy objects** node.

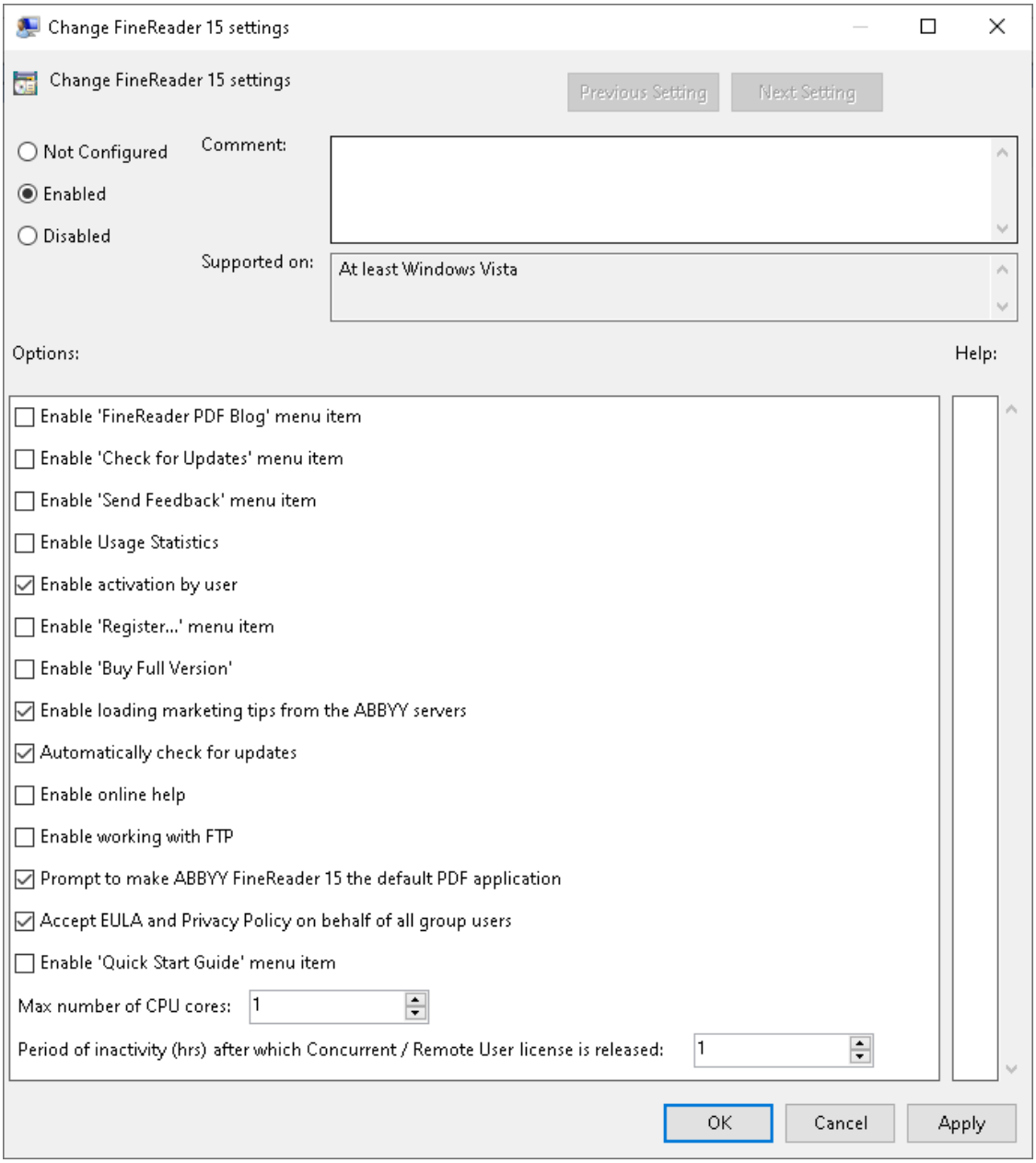


7. Open the shortcut menu for the group policy object created in step 4 and select **Edit**. This will open the **Group Policy Management Editor** window.

8. To edit a group policy, select **User Configuration** > **Policies** > **Administrative Templates: Policy definitions (ADMX files retrieved from the central store)** > **ABBYY FineReader PDF 15** and open the **Change FineReader 15 settings** policy.



9. Mark the appropriate parameters and click **OK**.



10. To save your changes, update the group policies on the server and restart ABBYY FineReader PDF 15 on the workstation.

Note. Parameters set up using Group Policy are applied globally to all applications that are part of ABBYY FineReader PDF 15.

Installation updates

To update ABBYY FineReader PDF 15 on workstations, complete the following steps:

1. Download the installation files of the latest version of ABBYY FineReader PDF 15.
2. Install ABBYY FineReader PDF 15 on workstations without creating an administrative installation point. You can use any installation method. See Installing ABBYY FineReader PDF 15 on Workstations 18.

Note. Uninstalling the previous version of ABBYY FineReader PDF 15 is not required for installing an update.

Frequently Asked Questions

Can I clone an operating system that has ABBYY FineReader PDF 15 installed?

Yes, you can deploy ABBYY FineReader PDF 15 by cloning your Microsoft Windows 8.1/10 operating system. After cloning your OS, you will need to activate ABBYY FineReader PDF 15. An unactivated copy of ABBYY FineReader PDF 15 will not run or will run in trail mode, depending on your version of the product. Some versions of the product automatically activate themselves over the Internet without asking the user for confirmation. See Creating a multi-user administrative installation point 17 for details.

Important!

1. Cloning is only possible if you have not yet run ABBYY FineReader PDF 15 on the cloned computer. Otherwise, you will need to repair ABBYY FineReader PDF 15 on that computer. See How can I repair ABBYY FineReader PDF 15 on workstations 60?
2. Once you have cloned your OS, you need to change its name and **Security Identifier (SID)**.
3. Trial versions of ABBYY FineReader PDF 15 can be cloned.

How can I change the network connection settings?

You can change the connection settings used for communication among the License Server, the License Manager, and the workstations.

1. Change the following parameters in the **NetworkLicenseServer.ini** file, which is located on the computer where the License Server is installed (**%programfiles%\Common Files\ABBYY\FineReader\15\Licensing**).

   - Connection protocol
     See Setting up the connection protocol 59 for details.

   - Connection port
     See Setting up the connection port 60 for details.

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

     Note: Make sure that your firewall does not prevent **%programfiles%\Common Files\ABBYY\FineReader\15\Licensing\NetworkLicenseServer.exe** from accessing the specified port.

2. Make similar changes to the **Licensing.ini** file located in **%programfiles%\Common Files\ABBYY\FineReader\15\Licensing**.

3. Copy the **Licensing.ini** file to the License Manager folder on all the computers where the License Manager is installed (by default, the License Manager is installed to **%programfiles%\ABBYY FineReader PDF 15 License Server**).

   Important! For the changes to take effect, you must restart the ABBYY FineReader PDF 15 Licensing Service.

4. Restart the ABBYY FineReader PDF 15 Licensing Service. After restarting, make sure that the License Manager is working properly.

5. Create an administrative installation point 13.

6. Copy the updated **Licensing.ini** file located in **%programfiles%\Common Files\ABBYY\FineReader\15\Licensing** to the administrative installation point that you have just created.

   For example:
   D:\Temp\Adm15\ABBYY FineReader PDF 15
   Adm15 is the administrative installation folder.
   ABBYY FineReader PDF 15 is the subfolder containing the FineReader.exe executable file.
   The Licensing.ini file should be copied to the ABBYY FineReader PDF 15 subfolder.

7. Make sure that the appropriate server-side port is open.

8. Reinstall ABBYY FineReader PDF 15 on the workstations with the help of the administrative installation point created in step 5.

Setting up the connection protocol

To set up the server protocol, use the **ConnectionProtocolType** parameter in the **NetworkLicenseServer.ini** file located in **%programfiles%\Common Files\ABBYY\FineReader\15\Licensing**.

[Licensing]
ConnectionProtocolType=[TCP\IP | NAMED PIPES]
This parameter allows you to either specify a network protocol (TCP\IP) or use the Named Pipes protocol. This information is used:

- by the License Manager to access the License Server
- by the workstations to access the License Server when ABBYY FineReader PDF 15 is being installed or repaired on them

By default, the **Named Pipes** protocol is used.

Setting up the connection port

To set up the connection port, use the **ConnectionEndpointName** parameter in the **NetworkLicenseServer.ini** file located in **%programfiles%\Common Files\ABBYY\FineReader\15\Licensing**.

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

The parameter should have the following format: **ConnectionEndpointName=\pipe**

This parameter allows you to specify the port for the connection protocol or the name of the channel for Named Pipes. This information is used:

- by the License Manager to access the License Server
- by the workstations to access the License Server when installing or repairing ABBYY FineReader PDF 15 on the workstations

Note: Avoid changing the name of the named pipe for the Named Pipes protocol that is set by the program when installing the License Server. By default, Named Pipes uses the following name: **\pipe\ABBYY\FineReader Windows 15.0 Licensing Service.**

How can I repair ABBYY FineReader PDF 15 on the workstations?

An access to the installation distribution may be required for the program recovery.

Repairing ABBYY FineReader PDF 15 in interactive mode

On the workstation, do the following:

1. Open the Control Panel by clicking Control Panel on the Start menu and select Programs and Features.
2. In the list of installed programs, select ABBYY FineReader PDF 15 and click Change.
3. In the Program Maintenance dialog box that opens, select Repair and click Next.
4. Follow the instructions of the wizard.

Repairing ABBYY FineReader PDF 15 via the command line

Run the following command on the workstation:

msiexec /f {Product Code},
and depending on installation type and Windows architecture, specify one of the following instead of **{Product Code}**:

	x86	**x64**

Base/Full installation	{F15000FE-0001-0000-0000-074957833700}	{F15000FE-0001-6400-0000-074957833700}
SLE installation	{F15000BE-0001-0000-0000-074957833700}	{F15000BE-0001-6400-0000-074957833700}

E.g.:
msiexec /f {F15000FE-0001-0000-0000-074957833700}

How can I rename the computer hosting the License Server or move the License Server to another computer?

If you deployed ABBYY FineReader in the local area network and then changed the name of the computer hosting the License Server or an unexpected error occurred on the License Server computer, do the following:

1. Remove the License Server from the computer on which it was installed.
   Note: If this computer is inaccessible, go to step 2.

   1.1. Open the Control Panel by clicking **Control Panel** on the **Start** menu and select **Programs and Features**.

   1.2. In the list of installed programs, select **ABBYY FineReader PDF 15 License Server** and click **Remove**.

2. Install the License Server on a different computer, for example on \\NewServer.

3. On all the computers where the License Manager is installed, either edit or add the parameter
   [Licensing]
   NetworkServerName=<COMPUTER NAME> to the
   %Program Files%\ABBYY FineReader PDF 15 License Server\LicenseManager.ini file.
   This parameter allows you to specify the name of the server to be accessed by the License Manager. For example, specify
   [Licensing]
   NetworkServerName=MyComputerName
   Important! For the changes to take effect, you must restart the ABBYY FineReader PDF 15 Licensing Service.

4. Add and activate your licenses in ABBYY FineReader PDF 15 License Manager. For details, see the ABBYY FineReader License Manager help file.
   Note. If you are using Per-Seat licenses, we recommend restoring the status of your licenses before adding them in the License Manager.

5. In the administrative installation point, open the ABBYY FineReader PDF 15 folder and create a **Licensing.ini** file there.
   The path to the administrative installation folder was specified earlier when creating the administrative installation point. For details, see Creating an administrative installation point 13.

6. In the **Licensing.ini** file you have created, add the **NetworkServerName** parameter to the **[Licensing]** section. This parameter specifies the name of the server, for example
   [Licensing]
   NetworkServerName=MyComputerName

7. Reinstall ABBYY FineReader PDF 15 on a workstation.
   For details, see Installing ABBYY FineReader PDF 15 on Workstations 18.

8. A file named **<COMPUTER NAME>.ABBYY.LicServer** will be created. <COMPUTER NAME> is the value of the **NetworkServerName** parameter. For example: **MyComputerName.ABBYY.LicServer**.
   Copy the **<COMPUTER NAME>.ABBYY.LicServer** file onto the other workstations. You can find the file in **%programdata%\ABBYY\FineReader\15\Licenses** in Windows 8.1 and later Windows operating systems.

Technical Support

If you have any questions about how to install and use ABBYY FineReader PDF 15 to which you cannot find answers in this System Administrator's Guide, please contact the ABBYY technical support service or ABBYY partners. For contact information, visit https://www.abbyy.com/support/.

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./Include/vulkan/vulkan_xlib_xrandr.h,vulkan_xlib_xrandr.h,Apache-2.0,

(for Linux)

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(for MacOS)
./macOS/include/vulkan/vk_icd.h,vk_icd.h,Apache-2.0,
./macOS/include/vulkan/vk_layer.h,vk_layer.h,Apache-2.0,
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./macOS/include/vulkan/vk_sdk_platform.h,vk_sdk_platform.h,Apache-2.0,
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./macOS/include/vulkan/vulkan_metal.h,vulkan_metal.h,Apache-2.0,
./macOS/include/vulkan/vulkan_vi.h,vulkan_vi.h,Apache-2.0,
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./macOS/include/vulkan/vulkan_xlib.h,vulkan_xlib.h,Apache-2.0,
./macOS/include/vulkan/vulkan_xlib_xrandr.h,vulkan_xlib_xrandr.h,Apache-2.0.

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zlib-CRC32 constants

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zlib.h -- interface of the 'zlib' general purpose compression library
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Zxing - Code translated from Java to CPP

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zlib

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