

# **ABBYY® FineReader PDF**

Podręcznik administratora systemu

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# Metody instalacji i aktywacji wg typu licencji i wersji produktu

Dostępne metody instalacji w zależności od typu licencji

	<b>Samodzieln a</b>	<b>Stanowiskow a</b>	<b>Równoczesna</b>	<b>Zdalny użytkownik</b>
Instalacja na jednym komputerze (standardowa instalacja programu)	+	+	Nie zalecane	+
Instalacja na serwerze terminalowym	-	-	+	+
Instalacja na więcej niż jednym komputerze: administracyjny punkt instalacyjny	-	+	+	+
Instalacja na więcej niż jednym komputerze: administracyjny punkt instalacyjny z automatyczną aktywacją	-	+	-	-

## Metody instalacji

### Instalacja na jednym komputerze (standardowa instalacja programu)

1. Ta metoda jest odpowiednia dla wszystkich typów licencji oprócz **Równoczesnej**.
2. Po zainstalowaniu programu FineReader należy go aktywować.

## Instalacja na więcej niż jednym komputerze

W celu instalacji programu ABBYY FineReader PDF na więcej niż jednym komputerze można utworzyć administracyjny punkt instalacyjny i zainstalować program ABBYY FineReader na stacjach roboczych z serwera.

ABBYY FineReader jest aktywowany z serwera.

### 1. Przeprowadzanie instalacji administracyjnej

#### Instalacja administracyjna przy użyciu Serwera Licencji i Menadżera Licencji

- Stacje robocze nie muszą mieć dostępu do internetu.
- Konieczna jest instalacja Menadżera Licencji.
- Ten produkt można zainstalować w różnych podsieciach. Aby to zrobić, należy skonfigurować połączenie TCP/IP. Szczegółowe informacje znajdują się w sekcji [W jaki sposób zmienić ustawienia połączeń sieciowych?](#)<sup>64</sup>

#### Administracyjny punkt instalacyjny dla wielu użytkowników z licencjami stanowiskowymi i automatyczna aktywacja

- Stacje robocze muszą mieć dostęp do internetu.
- Nie jest konieczna instalacja Menadżera Licencji.
- Ta metoda umożliwia instalację programu FineReader na komputerach należących do różnych sieci LAN.

### 2. Metody instalacji

#### Instalacja programu ABBYY FineReader na stacjach roboczych przy użyciu jednej z następujących metod:

- **ręcznie w trybie interaktywnym**
- **poprzez wiersz poleceń**  
Można wykorzystać cichy rodzaj instalacji. W trakcie instalacji nie będą pojawiać się żadne okna dialogowe.
- **Active Directory**
  - Ta metoda może być zastosowana w połączeniu z **Zarządzaniem polityką grupy** w celu zainstalowania programu FineReader na wybranych komputerach lub w grupie domen.
  - Elementy menu i opcje wymagające połączenia z internetem mogą być ukryte. Działanie oprogramowania także można zmienić. Więcej informacji znajduje się w artykule [Konfiguracja programu ABBYY FineReader 16 przy użyciu zasady grupy](#)<sup>56</sup>.

- **Microsoft System Center Configuration Manager (SCCM)**

Ta metoda zapewnia największy stopień automatyzacji.

## **Instalacja na serwerze terminalowym**

Z licencją **jednoczesną** lub **zdalną**:

1. Wybór tego typu licencji pociąga za sobą konieczność utworzenia punktu instalacji administracyjnej oraz zainstalowania serwera i menedżera licencji.
2. W celu aktywacji programu ABBYY FineReader PDF należy użyć Menadżera Licencji.
3. serwer licencji należy zainstalować na komputerze, który jest przez cały czas dostępny dla wszystkich serwerów terminalowych.

# Instalacja programu ABBYY FineReader PDF 16 w sieci LAN (instalacja na więcej niż jednym komputerze)

Program ABBYY FineReader PDF może być instalowany i użytkowany w lokalnej sieci.

Automatyczny proces instalacji zapewnia szybkość i elastyczność w przypadku instalacji programu ABBYY FineReader PDF w sieci, ponieważ nie trzeba wówczas instalować programu na każdej stacji oddzielnie.

Program ABBYY FineReader można zainstalować na każdym komputerze wyposażonym w system Microsoft Windows 10 (lub nowszy).

Proces instalacji składa się z następujących czynności:

## 1. Instalacja administracyjna

- Instalacja usługi ABBYY FineReader PDF License Server oraz narzędzia ABBYY FineReader PDF License Manager  
Szczegółowe instrukcje znajdują się w [Instalacja usług License Server i License Manager](#)<sup>[11]</sup>.  
**Uwaga:** Komputer, na którym zainstalowano narzędzie ABBYY FineReader PDF License Manager staje się stacją administratora licencji.
- Tworzenie administracyjnego punktu instalacyjnego  
Szczegółowe instrukcje znajdują się w [Tworzenie administracyjnego punktu instalacyjnego](#)<sup>[13]</sup>.  
**Uwaga.** Jeśli Serwer Licencji i stacje robocze znajdują się w różnych podsieciach, należy skonfigurować połączenie TCP/IP. W tym celu na komputerze, na którym jest zainstalowany Serwer licencji, należy wprowadzić odpowiednie zmiany w protokole połączenia i ustawieniach połączeń na portach w pliku Licensing.ini, a następnie należy skopiować plik do punktu instalacji administracyjnej. Szczegółowe informacje znajdują się w sekcji [W jaki sposób zmienić ustawienia połączeń sieciowych?](#)<sup>[64]</sup>.  
**Uwaga.** Administracyjny punkt instalacyjny i usługa License Server mogą być zlokalizowane na tym samym komputerze lub na dwóch różnych komputerach.

## 2. Zarządzanie licencjami

Do zarządzania licencjami służy narzędzie ABBYY FineReader PDF License Manager.

Aby podczas instalacji i używania programu ABBYY FineReader PDF licencje zostały prawidłowo rozesłane do stacji roboczych, należy wybranym stacjom/użytkownikom nadać priorytety do uzyskiwania określonych licencji. W tym celu należy zarezerwować licencje i pule licencji dla wybranych stacji roboczych/użytkowników.

Pula licencji to zestaw licencji zapewniających dostęp do programu. Pule ułatwiają zarządzanie licencjami: można na przykład dodać kilka licencji do puli, a następnie zarezerwować ją dla wybranych stacji roboczych/użytkowników zamiast rezerwować każdą licencję osobno.

Szczegółowe informacje znajdują się w [Zarządzanie licencjami](#)<sup>[15]</sup>.



### 3. Instalacja programu ABBYY FineReader na stacjach roboczych przy użyciu jednej z poniższych metod:

- ręcznie w trybie interaktywnym
  - za pomocą wiersza poleceń
  - usługa Active Directory
  - serwer Microsoft System Center Configuration Manager (SCCM)
- Szczegółowe instrukcje znajdziesz w [Instalacja programu ABBYY FineReader 16 na stacjach roboczych](#)<sup>21</sup>.

**Uwaga.** 32-bitowej wersji programu ABBYY FineReader PDF nie można zainstalować w systemie 64-bitowym. To samo dotyczy wersji 64-bitowej w systemie 32-bitowym.

#### Ważne!

Nie należy umieszczać usługi License Server w tym samym folderze, w którym znajduje się administracyjny punkt instalacyjny.

### Wymogi administracyjnego folderu instalacyjnego

1. Utworzenie administracyjnego punktu instalacyjnego wymaga 1.5 GB wolnego miejsca na dysku.
2. Należy nadać uprawnienia do przeglądania administracyjnego folderu instalacyjnego (np. `\\MyFileServer\Distribs\ABBYY FineReader PDF`) wszystkim użytkownikom, na których komputerach ma zostać zainstalowany program ABBYY FineReader.
3. Serwer (`\\MyFileServer`) z utworzonym administracyjnym punktem instalacyjnym musi być serwerem plików uruchamianym w systemie operacyjnym obsługującym długie nazwy plików.
4. W przypadku instalowania programu ABBYY FineReader PDF za pomocą usługi Active Directory, konta z grupy Komputery domeny muszą posiadać uprawnienia do przeglądania administracyjnego folderu instalacyjnego.

### Wymagania usługi License Server

1. 100 MB wolnego miejsca na dysku do utworzenia kont i plików licencyjnych.
2. Serwer (`\\MyLicenseServer`) z zainstalowaną usługą License Server musi być uruchamiany w systemie Microsoft Windows 11, Microsoft Windows 10, Microsoft Windows Server 2022, Microsoft Windows Server 2019, Microsoft Windows Server 2016, Microsoft Windows Server 2012 R2.
3. Liczba połączeń obsługiwanych przez system operacyjny z usługą License Server musi być przynajmniej równa łącznej liczbie potencjalnych użytkowników programu (dla licencji **jednoczesnych i zdalnych**).
4. Stabilne połączenie z serwerem licencji na wszystkich stacjach roboczych.

## Wymagania stacji administratora licencji

1. Komputer PC z systemem Microsoft Windows 11, Microsoft Windows 10, Microsoft Windows Server 2022, Microsoft Windows Server 2019, Microsoft Windows Server 2016, Microsoft Windows Server 2012 R2.
2. System operacyjny musi obsługiwać wybrany język interfejsu.
3. 100 MB wolnego miejsca na dysku.

## Wymagania stacji roboczych

### System operacyjny:

- Microsoft Windows 11 / 10 (64-bit),
- Microsoft Windows Server 2022 / 2019 / 2016 / 2012 R2.

System operacyjny musi obsługiwać język wybrany dla interfejsu użytkownika.

### Minimalna wymagana konfiguracja

1. procesor 1 GHz lub szybszy x64
2. 2 GB RAM: dla systemów wieloprocessorowych, wymagane dodatkowe 512 MB RAM dla każdego dodatkowego procesora.
3. 1,6 GB wolnej przestrzeni na dysku twardym dla standardowej instalacji i 1,6 GB wolnej przestrzeni dla optymalnego działania programu.
4. Karta graficzna i monitor wspierający rozdzielczość 1024x768 lub wyższą.
5. Klawiatura i mysz lub inne urządzenie wskazujące.

### Zalecane wymagania

1. Procesor 1,5GHz lub szybszy, x64 Intel® lub AMD
2. 4 GB RAM.
3. 1,6 GB wolnej przestrzeni na dysku twardym dla standardowej instalacji i 1,6 GB wolnej przestrzeni dla optymalnego działania programu.
4. Karta graficzna i monitor wspierający rozdzielczość 1024x768 lub wyższą.
5. Klawiatura i mysz lub inne urządzenie wskazujące.

## Instalacja administracyjna z serwera licencji i menedżera licencji

## Instalacja usług License Server i License Manager

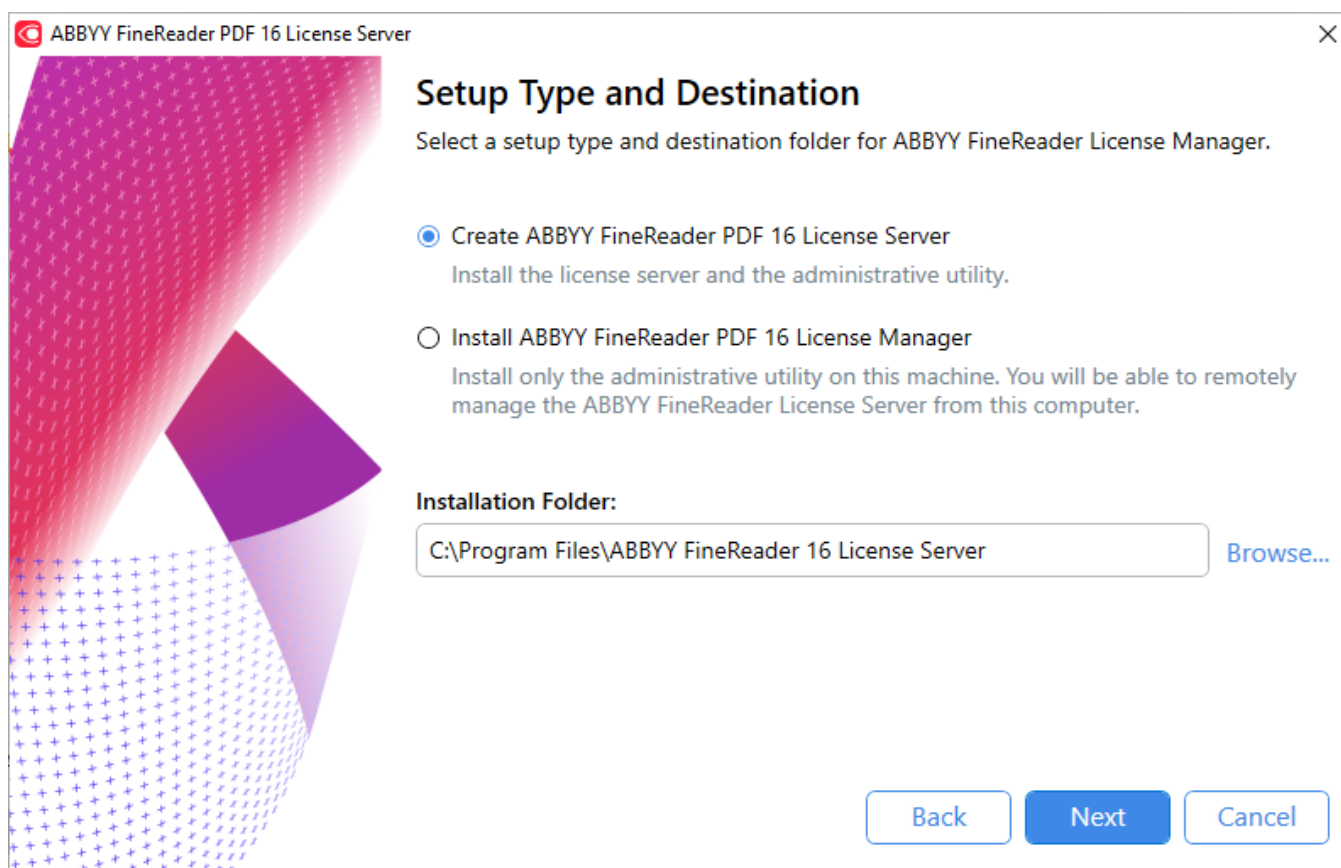
1. Uruchom plik **AutoRun.exe** z folderu instalacyjnego i wybierz opcję **Instalacja zbiorcza > Zainstaluj i aktywuj przy użyciu Menedżera licencji > Krok 1. Zainstaluj Serwer licencji i Menedżera licencji.**

Ewentualnie uruchom plik **License Server\Setup.exe** w folderze instalacyjnym.

2. Postępuj zgodnie ze wskazówkami programu instalacyjnego.

Podczas instalacji można:

- Zainstalować usługi ABBYY FineReader License Server i ABBYY FineReader License Manager. Usługi License Server i License Manager zostaną zainstalowane na tym samym komputerze. Można też podać folder, w którym ma zostać zainstalowana usługa License Manager.
- Zainstalować tylko usługę ABBYY FineReader PDF License Manager. Należy podać nazwę folderu, w którym ma zostać zainstalowana usługa License Manager oraz nazwę komputera, na którym znajduje się usługa License Server.



### Uwaga:

1. Jeśli kilku użytkowników ma zarządzać licencjami programu ABBYY FineReader PDF, wszyscy oni muszą mieć na swoich komputerach usługę License Manager.
2. Każdy użytkownik musi być członkiem jednej z dwóch lokalnych grup na serwerze.
  - Administratorzy licencji ABBYY

- BUILTIN\Administratorzy

Uwierzytelnianie użytkowników można wyłączyć w pliku **%commonprogramfiles%\ABBYY\FineReader\16\Licensing\NetworkLicenseServer.ini** (lub **%commonprogramfiles%\ABBYY\FineReader\16\Licensing\NetworkLicenseServer.ini**, jeżeli używany jest system 64-bitowy).

Plik ten znajduje się w komputerze, na którym zainstalowano usługę License Server. Do powyższego pliku należy dodać następujący parametr:

**[Licensing]**

**EnableManagerAuthorization = false**

**Ważne!** Aby zmiany zostały wprowadzone, ponownie uruchom usługę ABBYY FineReader PDF Licensing Service.

## Tworzenie administracyjnego punktu instalacyjnego

1. Uruchom plik **AutoRun.exe** z folderu instalacyjnego i wybierz opcję **Instalacja zbiorcza > Zainstaluj i aktywuj przy użyciu Menedżera licencji > Krok 2. Utwórz instalację administracyjną.**

Ewentualnie za pomocą wiersza poleceń w folderze instalacyjnym wykonaj następujące polecenie: **msiexec.exe /a.**

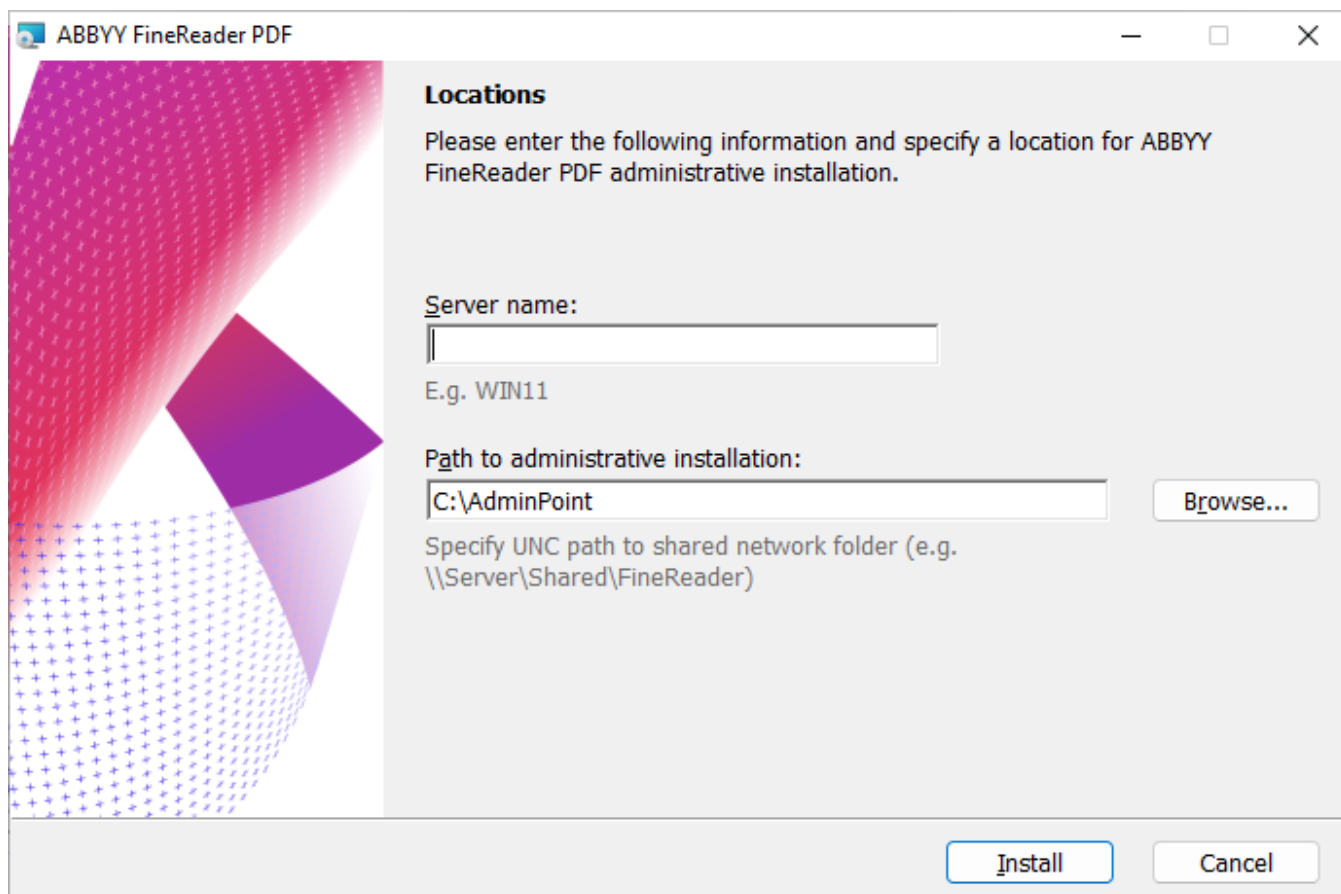
**Uwaga:** zobacz [Dodatkowe opcje wiersza poleceń do cichej instalacji](#), aby poznać dodatkowe opcje instalacji przy użyciu wiersza poleceń.

2. Postępuj zgodnie ze wskazówkami programu instalacyjnego.

Gdy program instalacyjny wyświetli monit, podaj:

- Nazwę komputera, na którym ma zostać zainstalowany serwer licencji  
**Uwaga:** Zamiast nazwy serwera można użyć jego adresu IP.
- Ścieżkę do administracyjnego folderu instalacyjnego

**Ważne!** Należy unikać przenoszenia administracyjnego folderu instalacyjnego po zainstalowaniu programu ABBYY FineReader na stacjach roboczych.



**Uwaga:** Aby móc edytować dokumenty w ograniczonej wersji programu ABBYY FineReader PDF 16 wymagającego licencji współbieżnej, po utworzeniu folderu instalacji administracyjnej należy skopiować plik licencji tej ograniczonej wersji do folderu OpenLicenses.

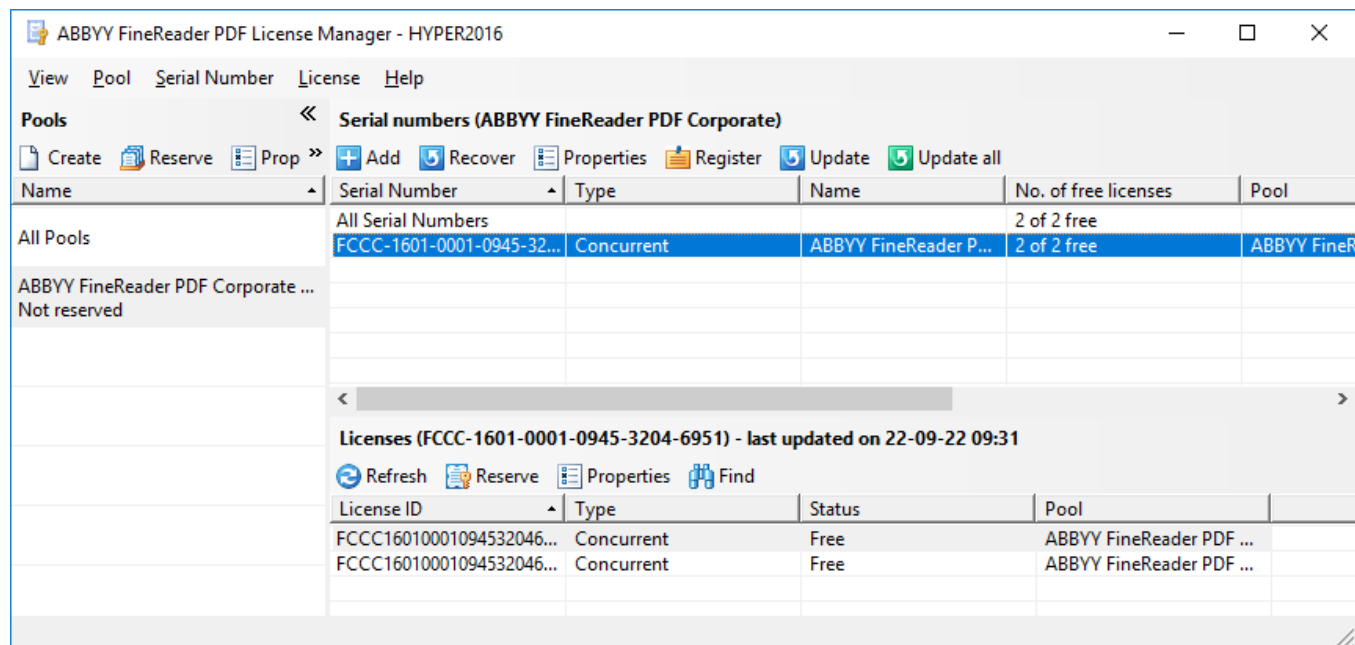
Na przykład, jeśli folder instalacji administracyjnej został utworzony w folderze **C:**

**\Temp\FineReaderPDF**, to plik licencji wersji ograniczonej należy skopiować do folderu **OpenLicenses** o następującej lokalizacji: **C:\Temp\FineReaderPDF\Bin\OpenLicenses**.

**Uwaga:** Odradzamy tworzenie folderu instalacji administracyjnej na komputerze z lokalnie zainstalowanym programem ABBYY FineReader PDF 16. Wszystkie następne aktualizacje produktu na tym komputerze będą wymagać podniesienia poziomu uprawnień w systemie Windows (czerwone okno UAC). Aby tego uniknąć, należy utworzyć folder instalacji administracyjnej na innym komputerze.

# Zarządzanie licencjami

ABBYY FineReader PDF License Manager to specjalna aplikacja dołączona do programu ABBYY FineReader PDF, która służy do zarządzania licencjami tego programu. Aplikację tę instaluje się na stacji administracji licencjami podczas instalowania programu ABBYY FineReader PDF w sieci lokalnej (szczegółowe informacje znajdują się w temacie [Instalacja usług License Server i License Manager](#) <sup>11</sup>).



Konfiguracja licencji za pomocą usługi ABBYY FineReader PDF License Manager:

## 1. Dodaj licencje do usługi ABBYY FineReader PDF License Manager.

Licencja programu ABBYY FineReader PDF (lub grupa licencji) ma identyfikujący ją niepowtarzalny numer seryjny. Aby aktywować licencję i dodać ją do usługi ABBYY FineReader PDF License Manager, należy aktywować jej numer seryjny.

## 2. Utwórz pulę licencji i dodaj do nich potrzebne licencje.

Puła licencji to zbiór licencji lub numerów seryjnych o takim samym zakresie zastosowań. Puła licencji ułatwiają pracę z licencjami. Zamiast na przykład rezerwować każdą licencję osobno, wszystkie licencje można dodać do puli, po czym zarezerwować tę pulę dla grupy stacji roboczych / użytkowników.

## 3. Rezerwacja pul i licencji dla odpowiednich stacji roboczych i użytkowników.

Przed instalacją programu ABBYY FineReader PDF na stacjach roboczych należy rozesłać licencje między stacje robocze / użytkowników w Menedżerze licencji programu ABBYY FineReader PDF. Proces dystrybucji polega na rezerwacji licencji dla określonej stacji roboczej / użytkownika. Kiedy licencja zostanie zarezerwowana, prawo do korzystania z niej będzie mieć tylko określona stacja robocza / użytkownik.

**Ważne!** Rezerwacja licencji stanowiskowych i pul przed rozpoczęciem instalacji programu ABBYY FineReader PDF na stacjach roboczych. Aby utworzyć lub usunąć powiązanie stacji roboczej po zainstalowaniu na niej programu ABBYY FineReader PDF, konieczne jest usunięcie programu z tej stacji. Aby przenieść licencję pojedynczą z jednej stacji roboczej na inną po zainstalowaniu programu ABBYY FineReader PDF, należy dezaktywować tę licencję. Liczba dozwolonych dezaktywacji jest ograniczona.

Więcej informacji na temat typów licencji i pracy z programem ABBYY FineReader PDF License Manager znajduje się w pliku pomocy usługi ABBYY FineReader PDF License Manager .

**Uwaga.** Licencje programu ABBYY FineReader PDF można przechowywać w chmurowym magazynie obiektów Blob Azure lub na komputerze, na którym zostały aktywowane. Aby uzyskać więcej informacji, przeczytaj artykuł [Aktywacja licencji w magazynie obiektów Blob Azure](#)<sup>17</sup>.



## Aktywacja licencji w magazynie obiektów Blob Azure

Licencja programu ABBYY FineReader PDF można przechowywać w chmurowym magazynie obiektów Blob Azure.

**Ważne!** W Azure można aktywować i przechowywać tylko licencje określonego typu.

### Zalecenia dotyczące konfiguracji Azure

1. Program ABBYY FineReader PDF obsługuje tylko blokowe obiekty Blobs.  
**Uwaga.** Więcej informacji na temat obiektów Blob Azure znajduje się w [oficjalnej witrynie Microsoft](#).
2. Zalecamy utworzenie osobnego konta magazynowego dla programu ABBYY FineReader PDF, aby przypadkowo nie zmienić ustawień i danych uwierzytelniających konta.
3. Podczas aktywacji licencji serwer licencji powinien mieć dostęp do odpowiedniego magazynu obiektów Blob.

### Aktywacja licencji w chmurowym magazynie obiektów Blob Azure

1. Zainstaluj menedżera licencji programu **ABBYY FineReader PDF** (aby uzyskać więcej informacji, patrz [Instalacja usług License Server i License Manager](#)<sup>[11]</sup>).

2. Do pliku **%commonprogramfiles%**

**\ABBYY\FineReader\16\Licensing\NetworkLicenseServer.ini** znajdującego się na serwerze dodaj następujące dane uwierzytelniające Azure:

**[Azure]**

**account=%storage\_account\_name%**

**key=%security\_key%**

**path=%path\_to\_blob%**

gdzie **account** to nazwa chmurowego magazynu obiektów Blob, **key** jest kluczem dostępu, a **path** to ścieżka do magazynu.

*Przykładowe dane uwierzytelniające z pliku **NetworkLicenseServer.ini** :*

**[Azure]**

**account=fr16licensing**

**key=iD32nqhz/poQmcsFog4567nrJwxrcw0uCvXmXsM0joq9UwLN7RL5iG7SpBMFGsajxN**

**path=https://fr16licensing.blob.core.windows.net**

**[Licensing]**

**NetworkServer=yes**

3. Uruchom ponownie usługę licencji **ABBYY.Licensing.FineReader.16.0** na serwerze, na którym jest zainstalowana usługa License Manager programu ABBYY FineReader PDF.
4. Dodaj i aktywuj swoje licencje w usłudze License Manager programu ABBYY FineReader PDF. Po aktywacji licencji zostanie ona zsynchronizowana z kontem magazynowym i licencja zostanie skopiowana do magazynu obiektów Blob. Jeśli wystąpi błąd synchronizacji, sprawdź dzienniki w przeglądarce zdarzeń.  
**Uwaga.** Jeśli licencja nie zostanie skopiowana do magazynu chmurowego, sprawdź, czy serwer ma do niego dostęp oraz czy w pliku NetworkLicenseServer.ini wpisano prawidłowe dane uwierzytelniające.

**Ważne!** Licencje, które zostały już aktywowane, po aktualizacji klucza do konta magazynowego staną się niedostępne. Należy je ponownie aktywować.

## Instalowanie pakietu dystrybucyjnego dla wielu użytkowników z licencjami jednostanowiskowymi

Do wdrożenia pakietu dystrybucji dla wielu użytkowników z automatyczną aktywacją nie jest potrzebna instalacja serwera licencji ani menedżera licencji.

Instalacja pakietu dystrybucyjnego dla wielu użytkowników w sieci lokalnej przebiega następująco:

### 1. **Utworzenie punktu instalacji administracyjnej dla wielu użytkowników**

Ten etap polega na dodaniu do pakietu dystrybucyjnego klucza aktywacji dla wielu użytkowników, dzięki czemu oprogramowanie ABBYY FineReader można będzie instalować na stacjach roboczych bez konieczności wprowadzania numeru seryjnego.

Więcej informacji na ten temat zawiera rozdział [Tworzenie administracyjnego punktu instalacyjnego dla wielu użytkowników z licencjami jednostanowiskowymi](#)<sup>20</sup>.

### 2. **Instalacja programu ABBYY FineReader na stacjach roboczych przy użyciu jednej z poniższych metod:**

- ręcznie w trybie interaktywnym
- za pomocą wiersza poleceń
- usługa Active Directory
- serwer Microsoft System Center Configuration Manager (SCCM)

Szczegółowe instrukcje znajdziesz w [Instalacja programu ABBYY FineReader 16 na stacjach roboczych](#)<sup>21</sup>.

**Uwaga:** 32-bitowej wersji programu ABBYY FineReader PDF nie można zainstalować w systemie 64-bitowym. To samo dotyczy wersji 64-bitowej w systemie 32-bitowym.

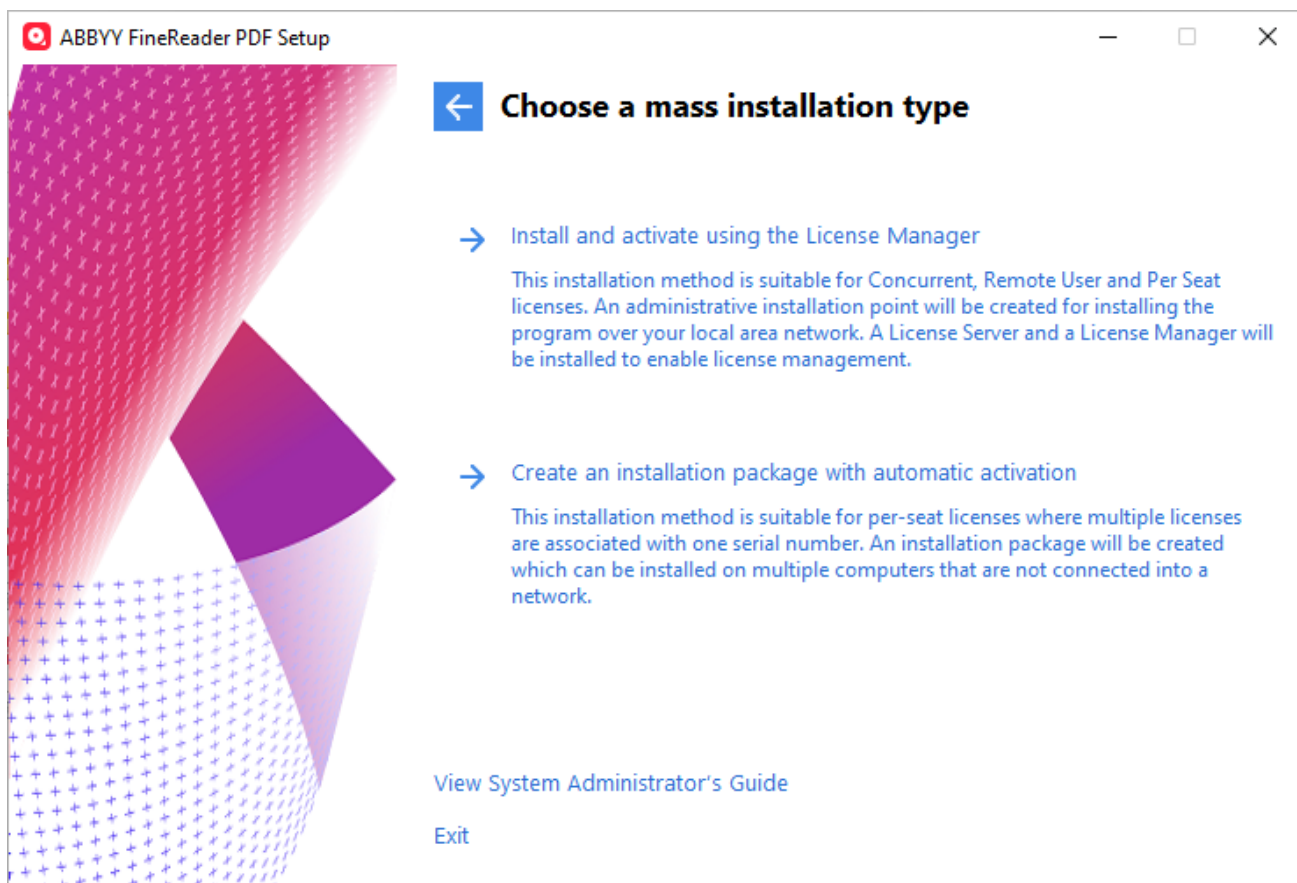
## Wymogi administracyjnego folderu instalacyjnego

1. Utworzenie administracyjnego punktu instalacyjnego wymaga 1.5 GB wolnego miejsca na dysku.
2. Należy nadać uprawnienia do przeglądania administracyjnego folderu instalacyjnego (np. `\\MyFileServer\Programs Distributions\ABBYY FineReader PDF`) wszystkim użytkownikom, na których komputerach ma zostać zainstalowany program ABBYY FineReader.
3. Serwer (`\\MyFileServer`) z utworzonym administracyjnym punktem instalacyjnym musi być serwerem plików uruchamianym w systemie operacyjnym obsługującym długie nazwy plików.
4. W przypadku instalowania programu ABBYY FineReader PDF za pomocą usługi Active Directory, konta z grupy Komputery domeny muszą posiadać uprawnienia do przeglądania administracyjnego folderu instalacyjnego.
5. Wprowadzona ścieżka powinna spełniać następujące wymagania:
  - Ścieżka nie może zawierać żadnych znaków nienależących do strony kodowej języka wybranego jako domyślny język systemowy dla aplikacji niekorzystających ze strony kodowej Unicode.
  - Nazwy folderów pośrednich nie mogą zaczynać się od spacji.

**Uwaga:** informacje na temat wymogów stacji roboczych znajdują się w dokumencie [Wymagania stacji roboczych](#)<sup>10</sup>.

# Tworzenie administracyjnego punktu instalacyjnego dla wielu użytkowników z licencjami jednostanowiskowymi

1. Uruchom plik **AutoRun.exe** z folderu instalacyjnego i wybierz opcję **Instalacja zbiorcza > Utwórz pakiet instalacyjny z automatyczną aktywacją** i wybierz odpowiednią wersję punktu instalacji administracyjnej.



Ewentualnie wykonaj następujące polecenie za pomocą wiersza poleceń w folderze instalacyjnym: **msiexec.exe /a**.

**Uwaga:** w artykule [Dodatkowe opcje wiersza poleceń do instalacji cichej](#)<sup>[25]</sup> opisano więcej opcji instalacji za pomocą wiersza poleceń

2. Postępuj zgodnie ze wskazówkami programu instalacyjnego. Możesz dodać klucz aktywacji dla wielu użytkowników do istniejącego pakietu dystrybucyjnego lub utworzyć nowy punkt instalacji administracyjnej. Jeżeli wybierzesz to drugie, konieczne będzie określenie ścieżki folderu, w którym ów nowy punkt instalacji administracyjnej będzie się znajdować. Ścieżka ta powinna spełniać następujące wymagania:

- Ścieżka nie może zawierać żadnych znaków nienależących do strony kodowej języka wybranego jako domyślny język systemowy dla aplikacji niekorzystających ze strony kodowej Unicode.

- Nazwy folderów pośrednich nie mogą zaczynać się od spacji.

W rezultacie zostanie utworzony pakiet dystrybucyjny oprogramowania ABBYY FineReader, który będzie można instalować na stacjach roboczych bez konieczności wprowadzania numeru seryjnego. Aktywacja oprogramowania będzie odbywać się automatycznie przez Internet, bez jakichkolwiek monitów o potwierdzenie przez użytkownika. Każda stacja robocza, na której jest instalowane oprogramowanie, musi mieć połączenie z Internetem.

## Instalacja programu ABBYY FineReader PDF 16 na stacjach roboczych

**Ważne!** Przed przystąpieniem do instalacji oprogramowania ABBYY FineReader PDF na stacjach roboczych, musisz najpierw:

- utworzyć punkt instalacji administracyjnej i skonfigurować licencje za pomocą narzędzia ABBYY FineReader PDF License Manager (zob. [Instalacja usług License Server i License Manager](#)<sup>[11]</sup>, [Tworzenie administracyjnego punktu instalacyjnego](#)<sup>[13]</sup>, [Zarządzanie licencjami](#)<sup>[15]</sup>).

**Uwaga:** Stacja robocza uzyska pojedynczą licencję i zostanie związana z serwerem tylko wówczas, gdy program ABBYY FineReader PDF zostanie na niej zainstalowany zgodnie z konfiguracją licencji w momencie instalacji.

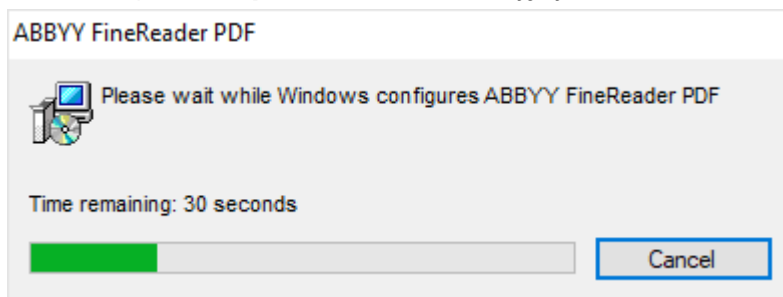
lub

- utworzyć punkt instalacji administracyjnej dla wielu użytkowników (zob. [Instalowanie pakietu dystrybucyjnego dla wielu użytkowników z licencjami jednoosobowymi](#)<sup>[18]</sup>).

**Uwaga:** Jeśli stacja robocza została sklonowana z innego komputera, należy zmienić wartość Identyfikatora bezpieczeństwa (SID) przed zainstalowaniem programu ABBYY FineReader, aby uniknąć błędów mechanizmu zarządzania licencjami.

## Instalacja interaktywna

1. Utwórz punkt instalacji administracyjnej (zob. [Instalacja administracyjna z serwera licencji i menedżera licencji](#)<sup>[10]</sup>) lub punkt instalacji administracyjnej dla wielu użytkowników (zob. [Instalowanie pakietu dystrybucyjnego dla wielu użytkowników z licencjami jednostanowiskowymi](#)<sup>[18]</sup>).
2. Uruchom plik **setup.exe** w administracyjnym folderze instalacyjnym.



3. Poczekaj na zakończenie instalacji. Gdy to się stanie, możesz zacząć używać programu ABBYY FineReader PDF 16.

## Instalacja za pomocą wiersza poleceń

1. Utwórz punkt instalacji administracyjnej (zob. [Instalacja administracyjna z serwera licencji i menedżera licencji](#)<sup>[10]</sup>) lub punkt instalacji administracyjnej dla wielu użytkowników (zob. [Instalowanie pakietu dystrybucyjnego dla wielu użytkowników z licencjami jednostanowiskowymi](#)<sup>[18]</sup>).
2. Uruchom plik **setup.exe** w administracyjnym folderze instalacyjnym, używając niżej podanych parametrów wiersza poleceń.

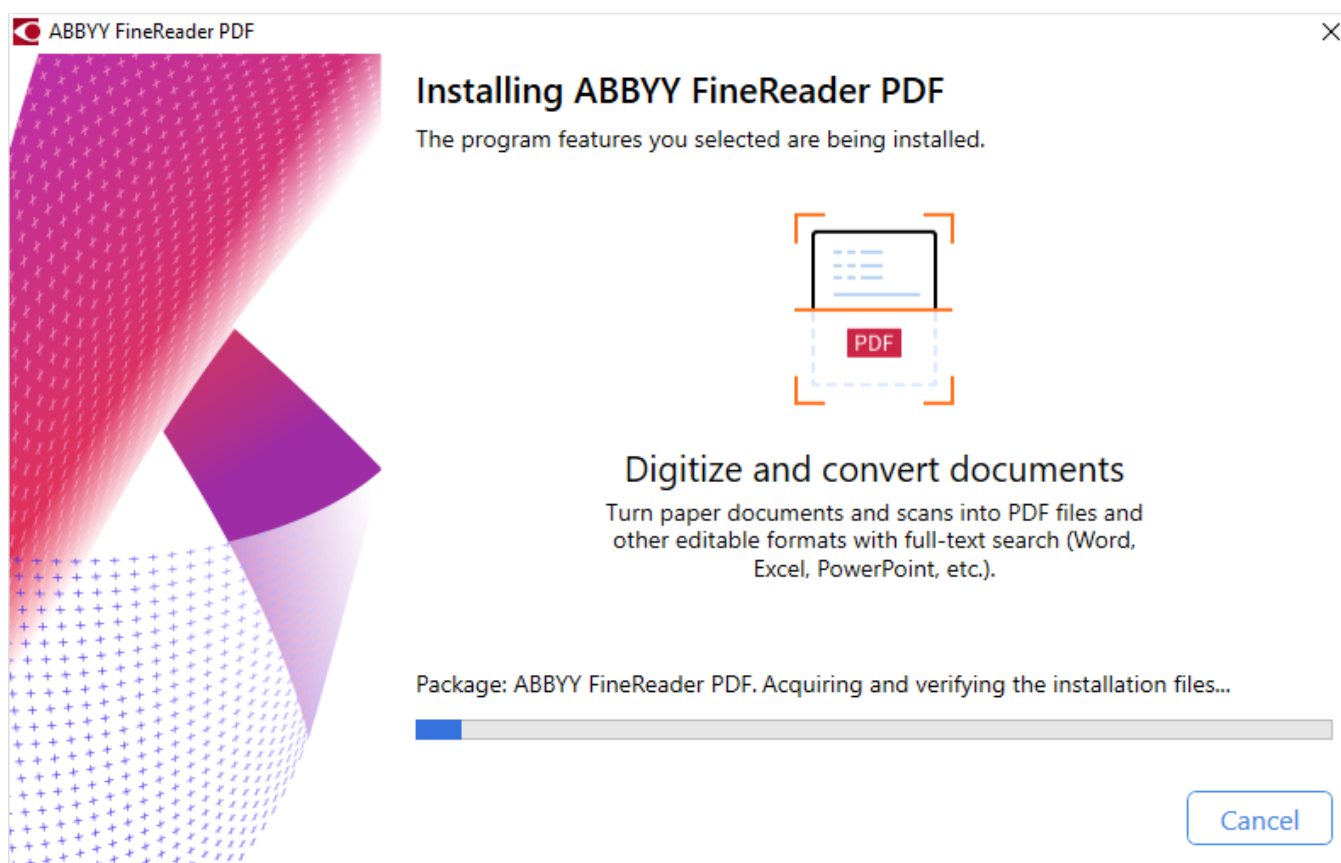
## Instalacja cicha

Aby wykonać instalację cichą, wpisz

### Setup.exe /qn

Podczas instalacji cichej nie są wyświetlane żadne konfiguracyjne okna dialogowe, a program zostaje zainstalowany z ustawieniami domyślnymi (język interfejsu zostanie wybrany automatycznie zgodnie z ustawieniami regionalnymi komputera).

**Uwaga:** Aby podczas instalacji wyświetlany był pasek postępu, zastąp opcję „/qn” opcją „/qb”. Inne okna dialogowe nie będą wyświetlane.



## Instalator Windows

Aby zainstalować program ABBYY FineReader PDF przy użyciu Instalatora Windows, wykonaj następujące polecenie w wierszu poleceń:

**msiexec.exe /i "%ścieżkadopliku%" /qb**

Element %ścieżkadopliku% to ścieżka do pliku **ABBYY FineReader 16 x64.msi** w systemach 64-bitowych lub **ABBYY FineReader 16.msi** w systemach 32-bitowych.

**Uwaga:** zamiast **/qb** można też użyć parametru **/qn** lub **/q**.

**Ważne!** ABBYY FineReader PDF nie można zainstalować w trybie interaktywnym przy pomocy Instalatora Windows.

Aby zainstalować ABBYY FineReader PDF, należy użyć jednego z następujących plików \*.msi:

1. Plik \*.msi z folderu instalacji administracyjnej (zobacz [Tworzenie punktu instalacji administracyjnej](#)<sup>(10)</sup>)
2. Plik \*.msi z pakietu dystrybucyjnego z automatyczną aktywacją (zobacz [Wdrażanie pakietu dystrybucyjnego dla wielu użytkowników z licencjami stanowiskowymi i automatyczną aktywacją](#)<sup>(18)</sup>)
3. Plik \*.msi z folderu zawierającego pliki instalacyjne

**Ważne!** Na stacji roboczej musi być już zainstalowany pakiet Visual C++ Redist. Pakiet Visual C++ Redist można pobrać [tutaj](#) lub zainstalować z folderu VC\_Redist, który można znaleźć w folderze z plikami instalacyjnymi.

Aby zainstalować pakiet Visual C++ Redist z folderu VC\_Redist:

- w systemie 32-bitowym uruchom plik **vcredist\_x86.exe**
- w systemie 64-bitowym uruchom pliki **vcredist\_x86.exe** i **vcredist\_x64.exe** w dowolnej kolejności.



## Dodatkowe opcje wiersza poleceń dla instalacji cichej

Parametry linii poleceń **Transforms** i **LANGUAGE** wyłączają automatyczny wybór języka interfejsu i instalują ABBYY FineReader PDF z językiem interfejsu określonym w parametrach powyżej..

Podczas instalacji przy użyciu msi lub administracyjnego punktu instalacji: `Transforms= <LANGID>.mst`

Przy instalacji za pomocą exe: `Setup.exe LANGUAGE="LANGID"`

Możliwy **language code**\* lub wartości **LANGID**:

- 1026 Bułgarski
- 1028 Chiński (tradycyjny)
- 1029 Czeski
- 1030 Duński
- 1031 Niemiecki
- 1032 Grecki
- 1033 Angielski
- 1034 Hiszpański
- 1036 Francuski
- 1038 Węgierski
- 1040 Włoski
- 1041 Japoński
- 1042 Koreański
- 1043 Holenderski
- 1045 Polski
- 1046 Portugalski (Brazylia)
- 1049 Rosyjski
- 1051 Słowacki
- 1053 Szwedzki
- 1055 Turecki
- 1058 Ukraiński

1066 Wietnamski

2052 Chiński (uproszczony)

\*Liczba dostępnych języków interfejsu zależy od rodzaju posiadanego pakietu dystrybucyjnego.

### Instalacja za pomocą pliku Setup.exe

Setup.exe "<command line>" przekazuje określone polecenie bezpośrednio do procesu **msiexec.exe**. W miejsce elementu <command line> można wpisać następujące parametry:

INSTALLDIR="<ścieżka>"	Określa ścieżkę dostępu do folderu, w którym zostanie zainstalowany program ABBYY FineReader PDF.
EXPLORER_INTEGRATION=0	Nie zezwala na integrację programu ABBYY FineReader PDF z Eksploratorem Windows.
SHCTDESKTOP=0	Wyłącza tworzenie na pulpicie ikony programu ABBYY FineReader PDF.
SSR_AUTORUN=0	Wyłącza opcję uruchamiania programu ABBYY Screenshot Reader razem z systemem.
DONT_ASK_ABOUT_DEFAULT=1	Wyłącza funkcję wyświetlania przez program ABBYY FineReader PDF w oknie dialogowym pytania, czy ustawić ten program jako domyślną aplikację do otwierania plików *.PDF.
STATISTICS_ALLOWED=0	Uniemożliwia wysyłanie informacji o bieżących parametrach konfiguracyjnych programu ABBYY FineReader PDF do firmy ABBYY przez internet.
CHECK_UPDATES=0	Wyłącza funkcję sprawdzania dostępności aktualizacji.
INSTALL_UPDATES=0	Wyłącza funkcję pobierania i instalowania aktualizacji.
MARKETING_TIPS_ALLOWED=0	Uniemożliwia wyświetlanie reklam.
SSR=0	Wyłącza instalację programu ABBYY Screenshot Reader.
HF=0	Wyłącza instalację programu ABBYY Hot Folder.

COMPARATOR=0	Wyłącza instalację funkcji ABBYY Compare Documents.
SN=<numer seryjny>	Określa numer seryjny dla automatycznej aktywacji licencji stanowiskowej.
EULA_ACCEPTED=1	Wyłącz wyświetlanie Umowy Licencyjnej (EULA) programu ABBYY FineReader PDF. Zostanie uznane, że zaakceptowano Umowę licencyjną (EULA) i Politykę prywatności.

Np.:

**Setup.exe /qn LANGUAGE=1033 INSTALLDIR="C:\ABBYY FineReader PDF" STATISTICS\_ALLOWED=0**

To polecenie spowoduje zainstalowanie programu ABBYY FineReader PDF w folderze C:\ABBYY FineReader PDF. Menu, okna dialogowe i inne elementy interfejsu użytkownika będą w języku angielskim. Informacje o wybranych ustawieniach programu ABBYY FineReader nie będą wysłane przez Internet do firmy ABBYY. Liczba dostępnych języków rozpoznawania zależy od rodzaju posiadanego pakietu dystrybucyjnego.

### Instalacja przy użyciu msiexec.exe

**/a** – tworzy punkt instalacji administracyjnej

msiexec.exe "<pathtofile>" "<command line>" – wykonuje określone polecenie za pomocą procesu msiexec.exe. W miejsce <pathtofile> wpisz ścieżkę do pliku ABBYY FineReader PDF x64.msi, a <command line> zastąp poleceniem podobnym do poniższego:

LIC_SERVER_NAME=<adres serwera licencji>	<p>Adres serwera licencji.</p> <p><b>Uwaga:</b> parametr LIC_SERVER_NAME może być przekazywany tylko przy użyciu kluczy <b>/i</b> i <b>/qb</b>.</p> <p>Przykładowe polecenie:</p> <p>msiexec.exe /i "pathtofile" /qb LIC_SERVER_NAME=&lt;adres serwera licencji&gt;</p>
--	---

<p>ADMIN_SETUP=Serial/Server</p>	<p>Uruchamia instalację administracyjną w jednym z następujących trybów:</p> <p><b>ADMIN_SETUP=Serial</b></p> <p>Wyświetla okno dialogowe, w którym można wprowadzić numer seryjny dla automatycznej aktywacji.</p> <p><b>ADMIN_SETUP=Server</b></p> <p>Wyświetla okno dialogowe, w którym można podać ścieżkę do serwera licencji.</p> <p><b>Uwaga:</b> parametr ADMIN_SETUP należy przekazywać tylko przy użyciu klucza <b>"/a"</b>.</p> <p>Przykładowe polecenie:</p> <pre>msiexec.exe /a "pathtofile" ADMIN_SETUP=Serial</pre>
----------------------------------	--

Np.:

```
msiexec /a "%path_to_distr%\Bin\ABBYY FineReader PDF x64.msi" Transforms= 1033.mst  
LIC_SERVER_NAME=Test
```

To polecenie utworzy punkt instalacji administracyjnej z językiem angielskim jako językiem interfejsu. Licencje będą przechowywane na serwerze licencji testowych.

## **Odinstalowanie programu ABBYY FineReader PDF 16 w trybie cichym**

Wykonaj poniższe polecenie na stacji roboczej:

```
msiexec /x {kod produktu}
```

i w zależności od typu architektury Windows wybierz jedno z następujących zamiast **{kod produktu}**:

	<b>x64</b>
<b>Instalacja podstawowa /pełna</b>	{F16000FE-0003-6400-0000-074957833700}
<b>Instalacja SLE</b>	{F16000BE-0003-6400-0000-074957833700}

<b>Instalacja Sprint</b>	{F16000FB-0003-6400-0000-074957833700}
--------------------------	--

Np.:

**msiexec /x {F16000FE-0003-6400-0000-074957833700}**

## Korzystanie z usługi Active Directory

Rodzina systemów operacyjnych Microsoft Windows Server obejmuje usługę **Active Directory** (AD). Funkcja **Polityka grupy** przy **Instalacji oprogramowania** będąca składnikiem AD może być wykorzystana do zdalnej i jednoczesnej instalacji oprogramowania na wielu stacjach roboczych.

W Active Directory dostępne są trzy metody instalacji:

1. **Publikacja do użytkownika (nie obsługiwana)**
2. **Przypisz do użytkownika (nie obsługiwana)**
3. **Przypisz do komputera**

Program ABBYY FineReader można zainstalować wyłącznie przy użyciu metody **Przypisz do komputera**.

**Ważne!** Instalacja programu FineReader na stacji roboczej zostanie zakończona dopiero po restarcie stacji roboczej.

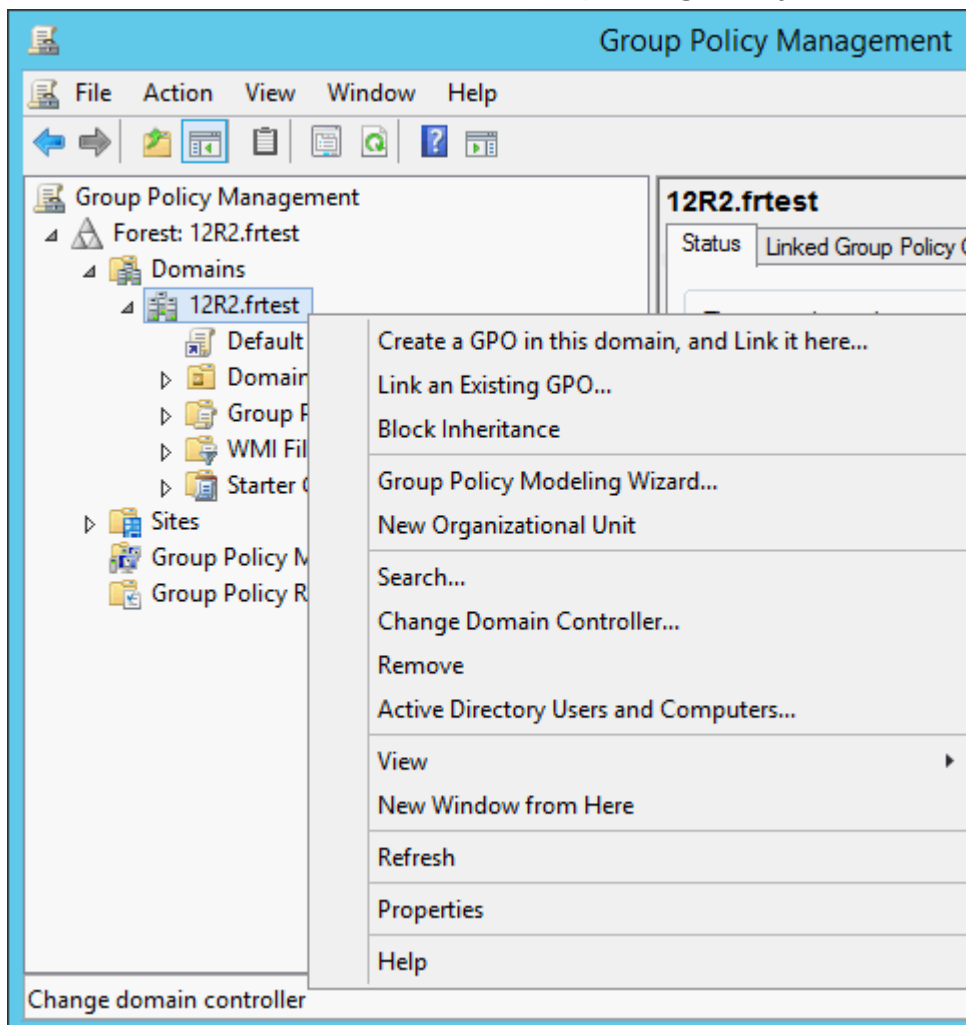
## Przykład: instalacja programu ABBYY FineReader PDF 16 przy użyciu Active Directory

Poniższy przykład ilustruje instalację w systemie Microsoft Windows Server 2012 R2.

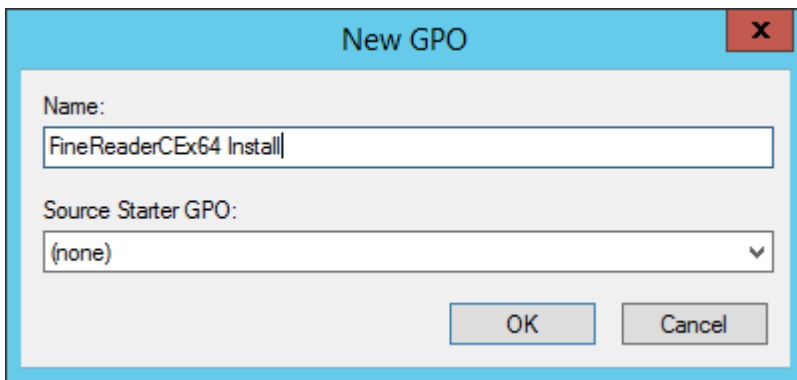
1. Utwórz administracyjny punkt instalacyjny (patrz [Instalacja administracyjna z serwera licencji i menedżera licencji](#)<sup>10</sup>) lub punkt instalacyjny dla wielu użytkowników (patrz [Instalowanie pakietu dystrybucyjnego dla wielu użytkowników z licencjami jednostanowiskowymi](#)<sup>18</sup>).

**Uwaga:** W przypadku instalowania programu ABBYY FineReader PDF za pomocą usługi Active Directory, konta komputerów należących do domeny muszą mieć prawa do odczytu administracyjnego folderu instalacyjnego.

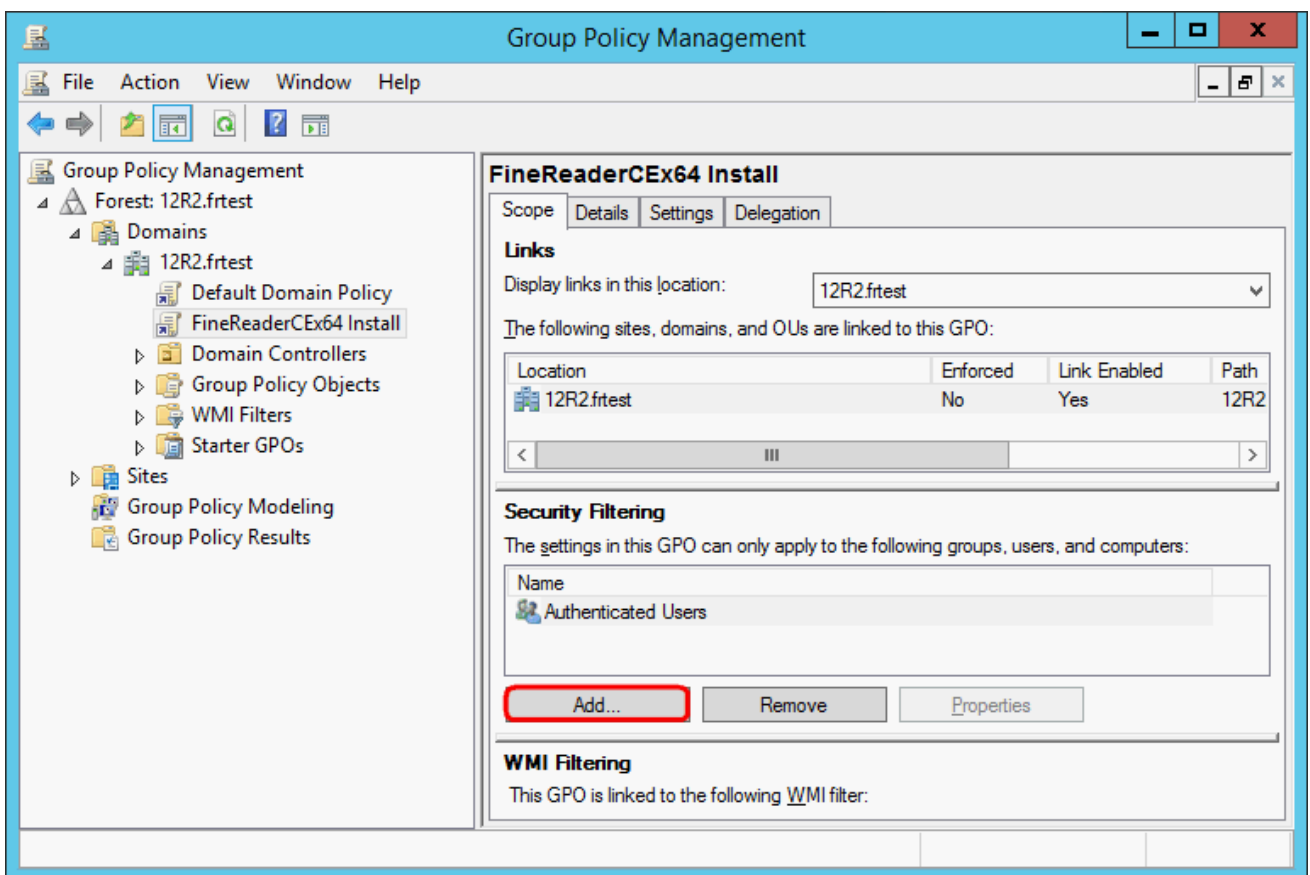
2. Uruchom **Group Policy Management Console (Konsolę zarządzania polityką grupy) (gpmc.msc)**.
3. W drzewie po lewej stronie wybierz miejsce, domenę lub inną jednostkę organizacyjną, która jest właścicielem komputera lub grupy komputerów. FineReader zostanie zainstalowany na tych komputerach.
4. Kliknij prawym przyciskiem wybrany węzeł drzewa i w menu skrótów kliknij pozycję **Create a GPO... and Link it here... (Utwórz GPO... i połącz go tutaj...)**



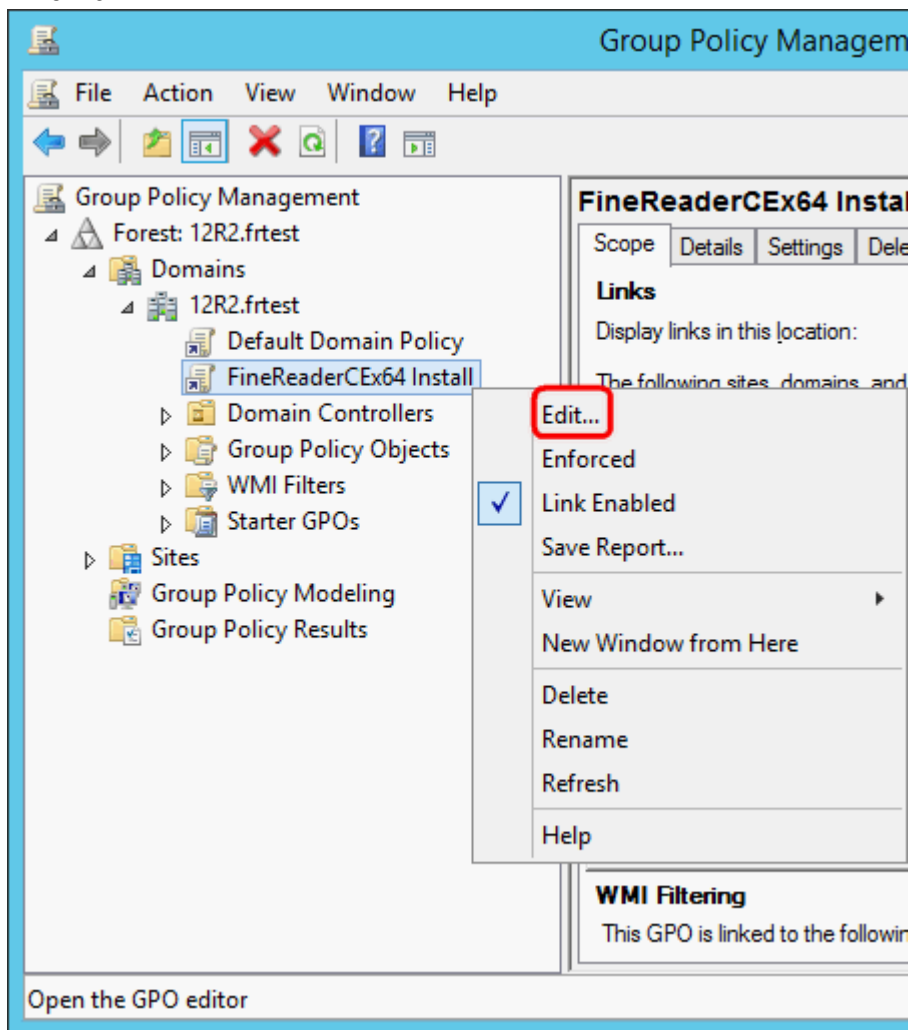
5. Wprowadź opisową nazwę i kliknij przycisk **OK**.



6. Kliknij przycisk **Add...(Dodaj...)** w grupie **Security Filtering (Filtrowanie bezpieczeństwa)** i wybierz grupy, które zawierają te komputery, na których ma być zainstalowany program ABBYY FineReader PDF.



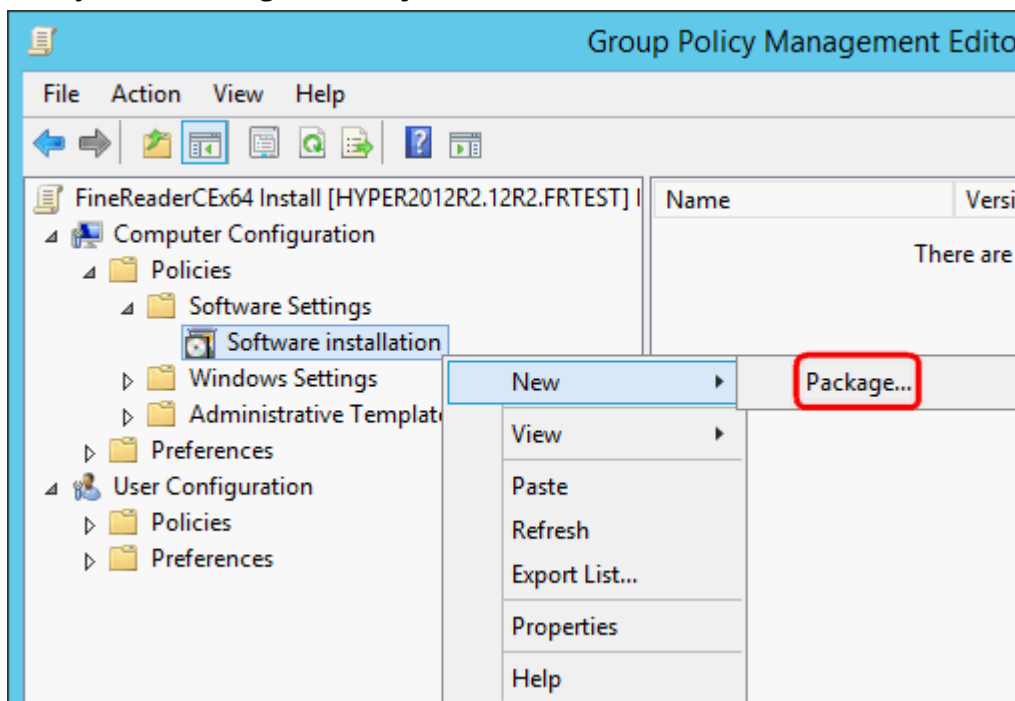
7. Kliknij prawym przyciskiem myszy utworzony obiekt polityki grupy (GPO) i kliknij pozycję **Edit...** (**Edytuj...**) w menu skrótów



8. W oknie dialogowym **Group Policy Management Editor (Edytor zarządzania polityką grupy)**, kliknij pozycję **Computer Configuration>Policies>Software Settings>Software installation** (**Konfiguracja komputera>Polityka>Parametry oprogramowania>Instalacja oprogramowania**).

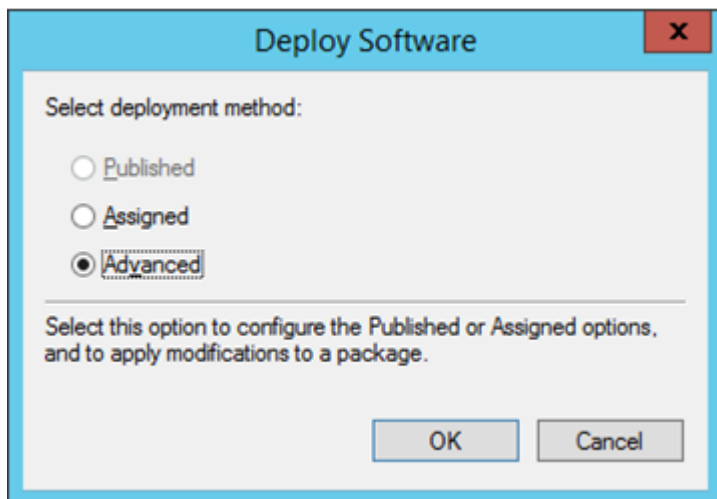


9. Kliknij **New > Package...** (Nowy > Pakiet...) w menu skrótów.

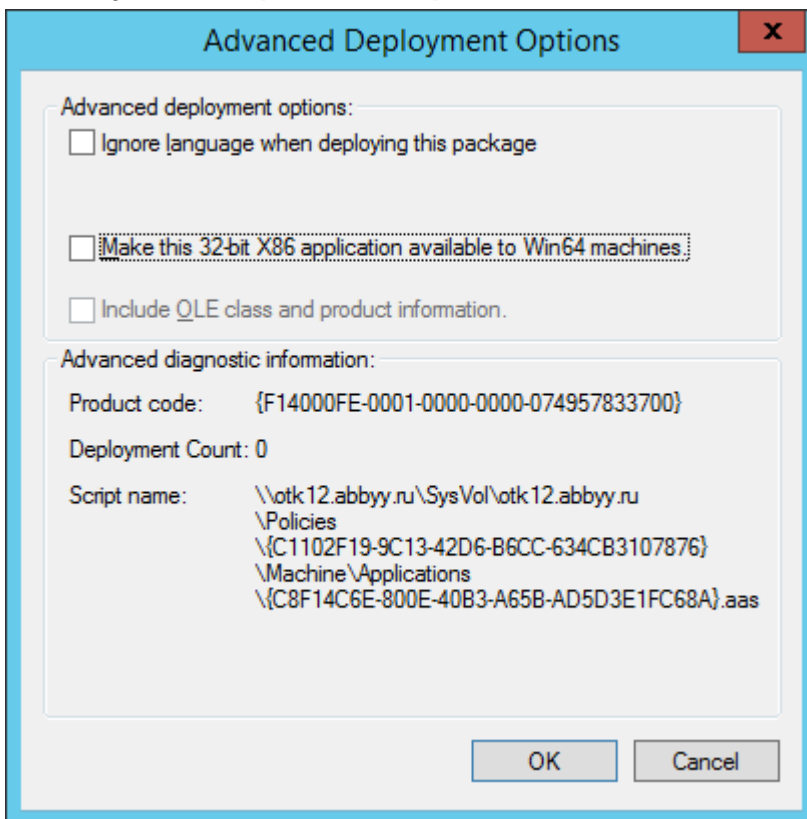


10. Wprowadź ścieżkę sieciową do pliku **ABBYY FineReader 16.msi** (przy instalacji w systemie 32-bitowym) lub do pliku **ABBYY FineReader 16 x64.msi** (w przypadku instalacji w systemach 64-bitowych). Powyższe pliki znajdują się w folderze instalacyjnym programu ABBYY FineReader PDF na serwerze.

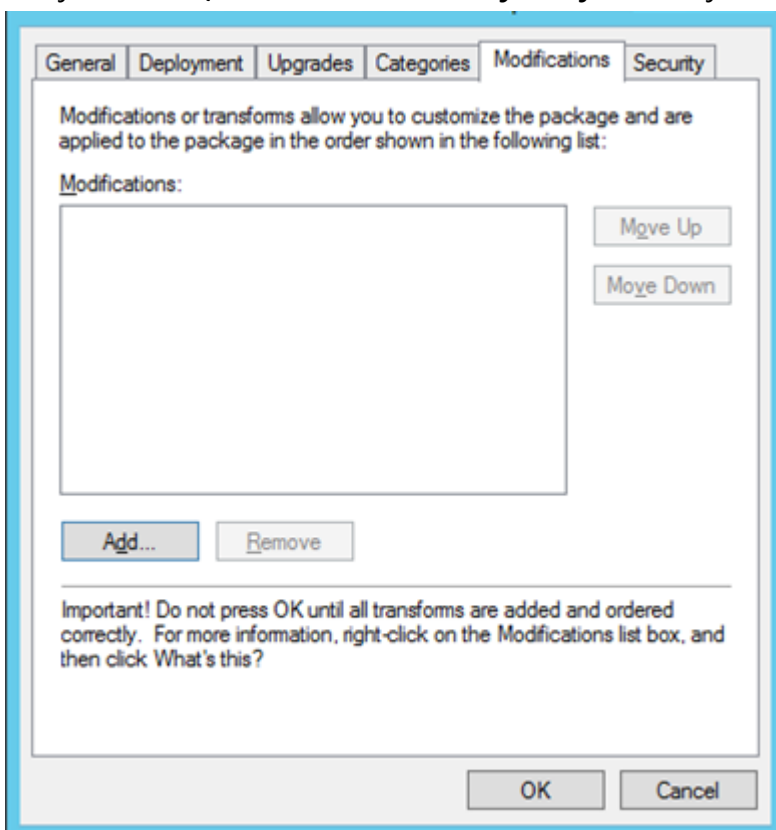
11. Wybierz **Advanced (Zaawansowaną)** metodę instalacji.



12. Zostanie otwarte okno dialogowe. Jeżeli instalowana jest wersja 32-bitowa, kliknij przycisk **Advanced (Zaawansowana)** na karcie **Deployment (Instalacja)** i sprawdź, czy wyłączona jest opcja **Make this 32-bit X86 application available to Win64 machines (Utwórz tę aplikację 32-bit X86 jako dostępną dla komputerów Win64)**.



13. Przejdź na kartę **Modifications (Modyfikacje)** i kliknij **Add... (Dodaj...)**



14. Wybierz plik języka interfejsu dla wybranego języka interfejsu programu ABBYY FineReader PDF.  
Pliki języków znajdują się na serwerze w administracyjnym folderze instalacyjnym.

Nazwy plików i odpowiadające im języki:

- 1026.mst Bułgarski
- 1028.mst Chiński (tradycyjny)
- 1029.mst Czeski
- 1030.mst Duński
- 1031.mst Niemiecki
- 1032.mst Grecki
- 1033.mst Angielski
- 1034.mst Hiszpański
- 1036.mst Francuski
- 1038.mst Węgierski
- 1040.mst Włoski
- 1041.mst Japoński
- 1042.mst Koreański
- 1043.mst Holenderski
- 1045.mst Polski
- 1046.mst Portugalski (Brazylia)
- 1049.mst Rosyjski
- 1051.mst Słowacki
- 1053.mst Szwedzki
- 1055.mst Turecki
- 1058.mst Ukraiński
- 1066.mst Wietnamski
- 2052.mst Chiński (uproszczony)

**Np.:** aby zainstalować program ABBYY FineReader z rosyjskim interfejsem, należy wybrać plik **1049.mst**.

## **Korzystanie z programu Microsoft System Center Configuration Manager (SCCM)**

Microsoft System Center Configuration Manager umożliwia maksymalną automatyzację zdalnej instalacji oprogramowania w sieciach korporacyjnych.

Instalacja oprogramowania przy użyciu oprogramowania SCCM składa się z trzech etapów:

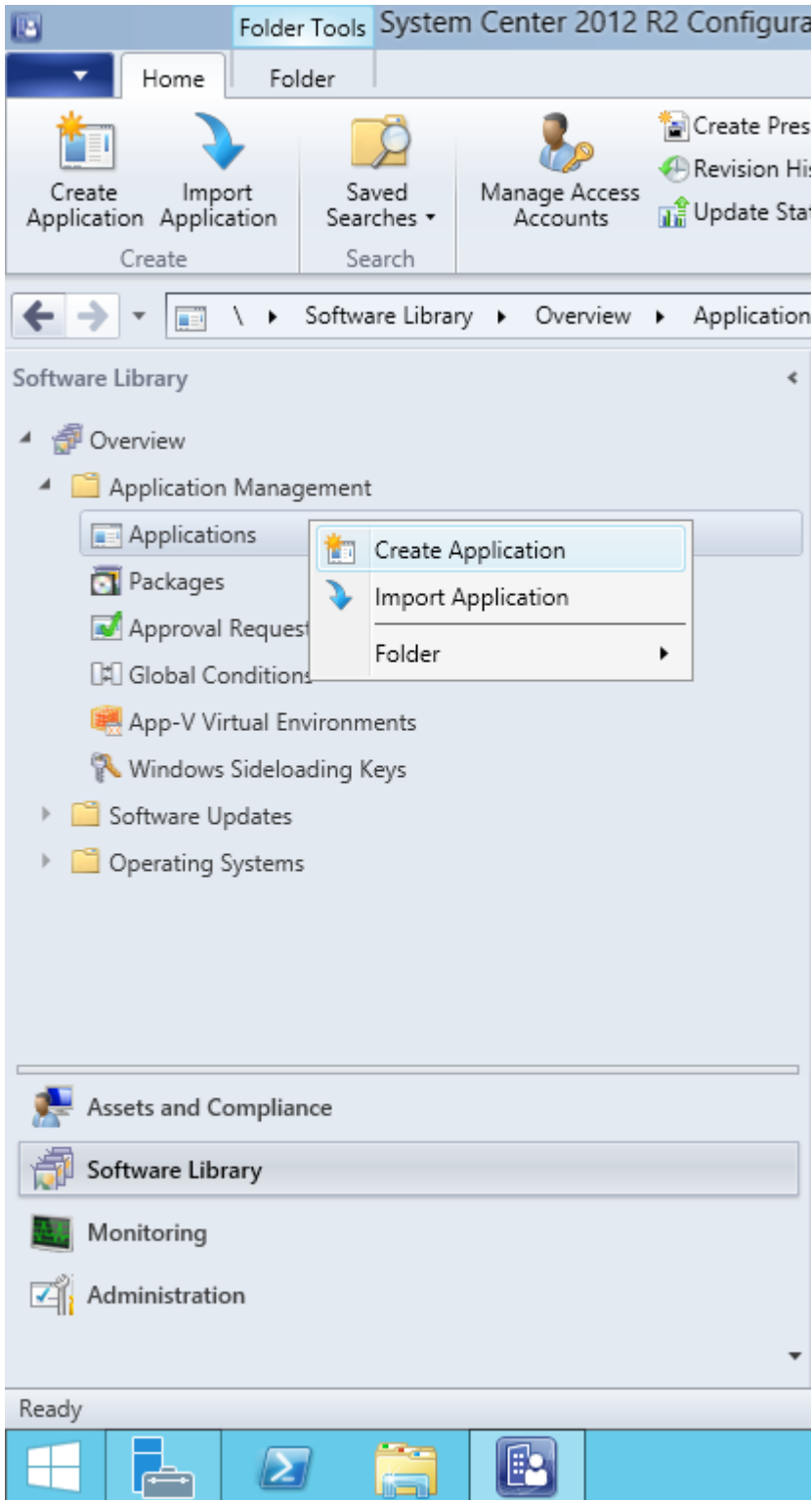
1. Przygotowanie programu ABBYY FineReader PDF do automatycznej instalacji (tzw. instalacja nienadzorowana).
2. Utworzenie harmonogramu instalacji, np. poprzez wybranie parametrów instalacji:
  - nazw komputerów
  - czasu instalacji
  - warunków instalacji
3. Instalacja oprogramowania na określonych komputerach przy pomocy programu SCCM zgodnie z parametrami instalacyjnymi podanymi w skrypcie.

## Przykład: Instalacja programu ABBYY FineReader PDF 16 przy użyciu programu SCCM

Przykład ten ilustruje proces instalacji w systemie Microsoft Windows Server 2012 R2.

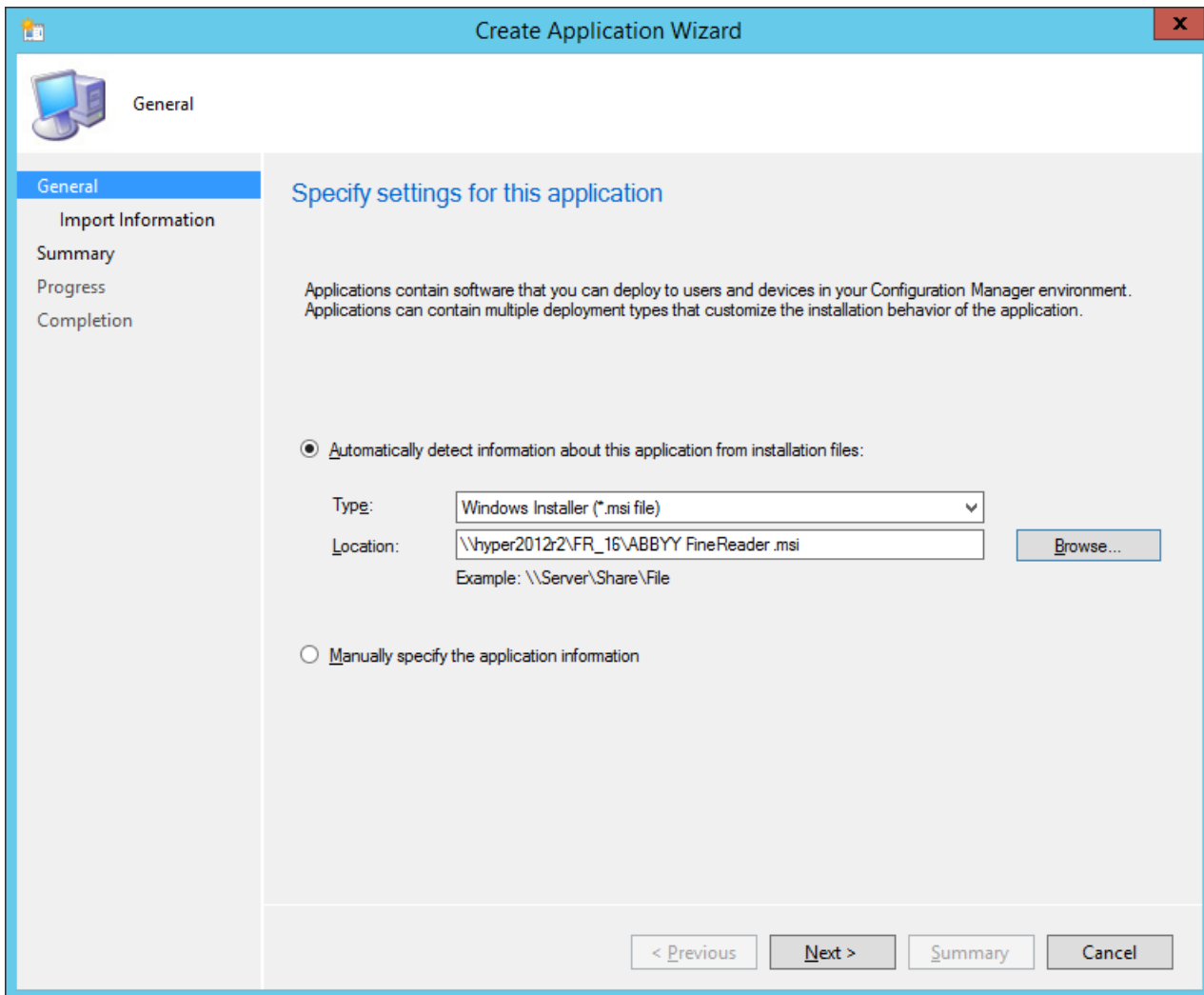
1. Utwórz administracyjny punkt instalacyjny (patrz [Instalacja administracyjna z serwera licencji i menedżera licencji](#)<sup>10</sup>) lub administracyjny punkt instalacyjny dla wielu użytkowników (patrz [Instalowanie pakietu dystrybucyjnego dla wielu użytkowników z licencjami jednostanowiskowymi](#)<sup>18</sup>).
2. Uruchom **SCCM Administrator Console (konsolę administratora SCCM)** i wybierz sekcję **Software Library (Biblioteka oprogramowania)**.
3. Wybierz pozycję **Applications (Aplikacje)** w grupie **Application Management (zarządzanie aplikacją)**.

4. Kliknij prawym przyciskiem myszy element **Applications (Aplikacje)** i w menu skrótów kliknij pozycję **Create Application (Utwórz aplikację)**.

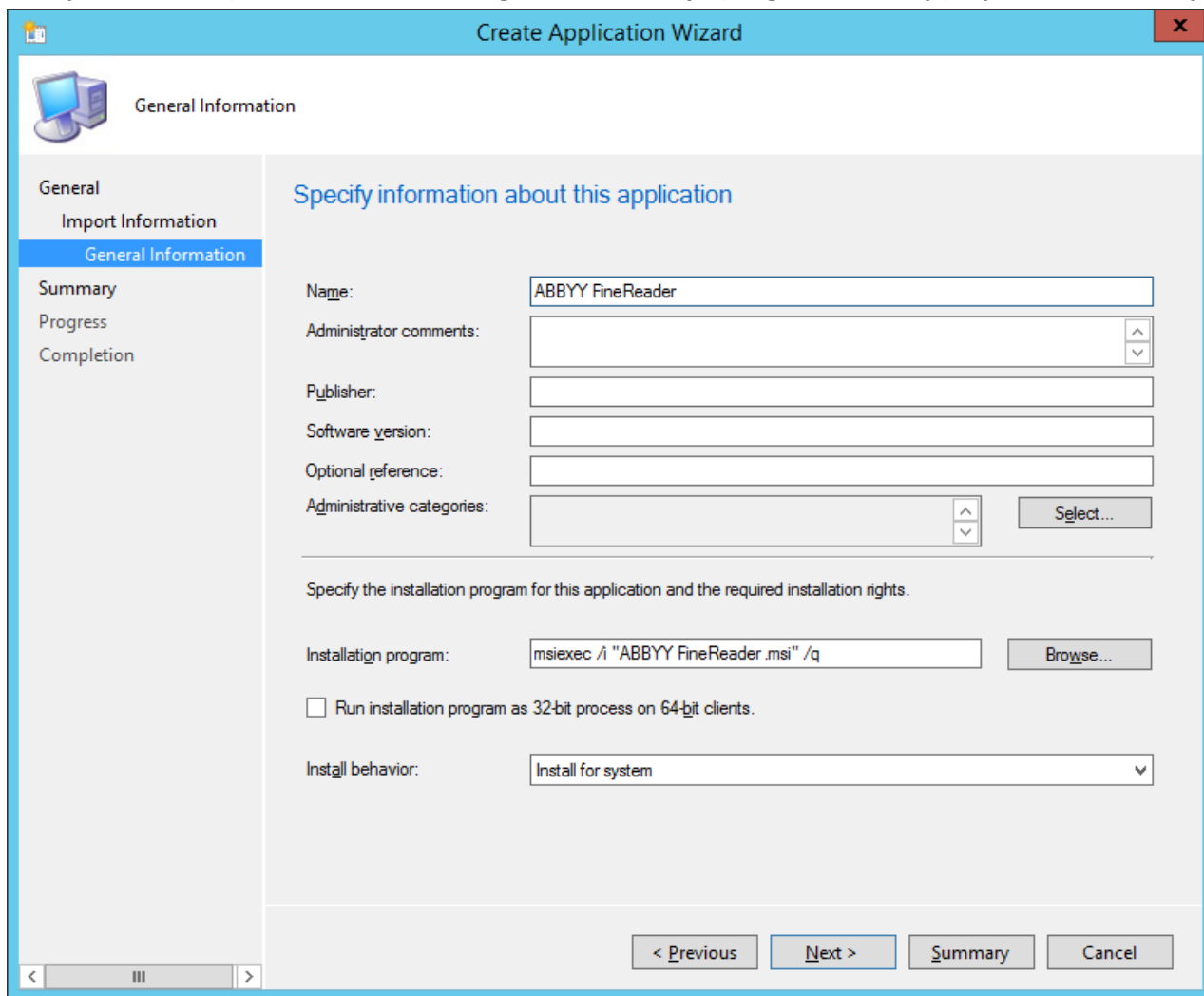


5. W oknie dialogowym **Create Application Wizard (Kreator tworzenia aplikacji)** wybierz **Automatically Detect information about this application from installation files (Automatycznie wykryj informacje o tej aplikacji z plików instalacyjnych)**. Wybierz **Windows Installer (plik instalatora Windows) (\*.msi)** z **Type** rozwijanej listy typów. Wprowadź ścieżkę dostępu do administracyjnego punktu instalacyjnego w oknie **Location (Lokalizacja)** i kliknij **Next (Dalej)**.

**Uwaga.** 32-bitowa wersja programu ABBYY FineReader PDF nie może być zainstalowana na systemie 64-bitowym. To samo dotyczy wersji 64-bitowej w systemie 32-bitowym.

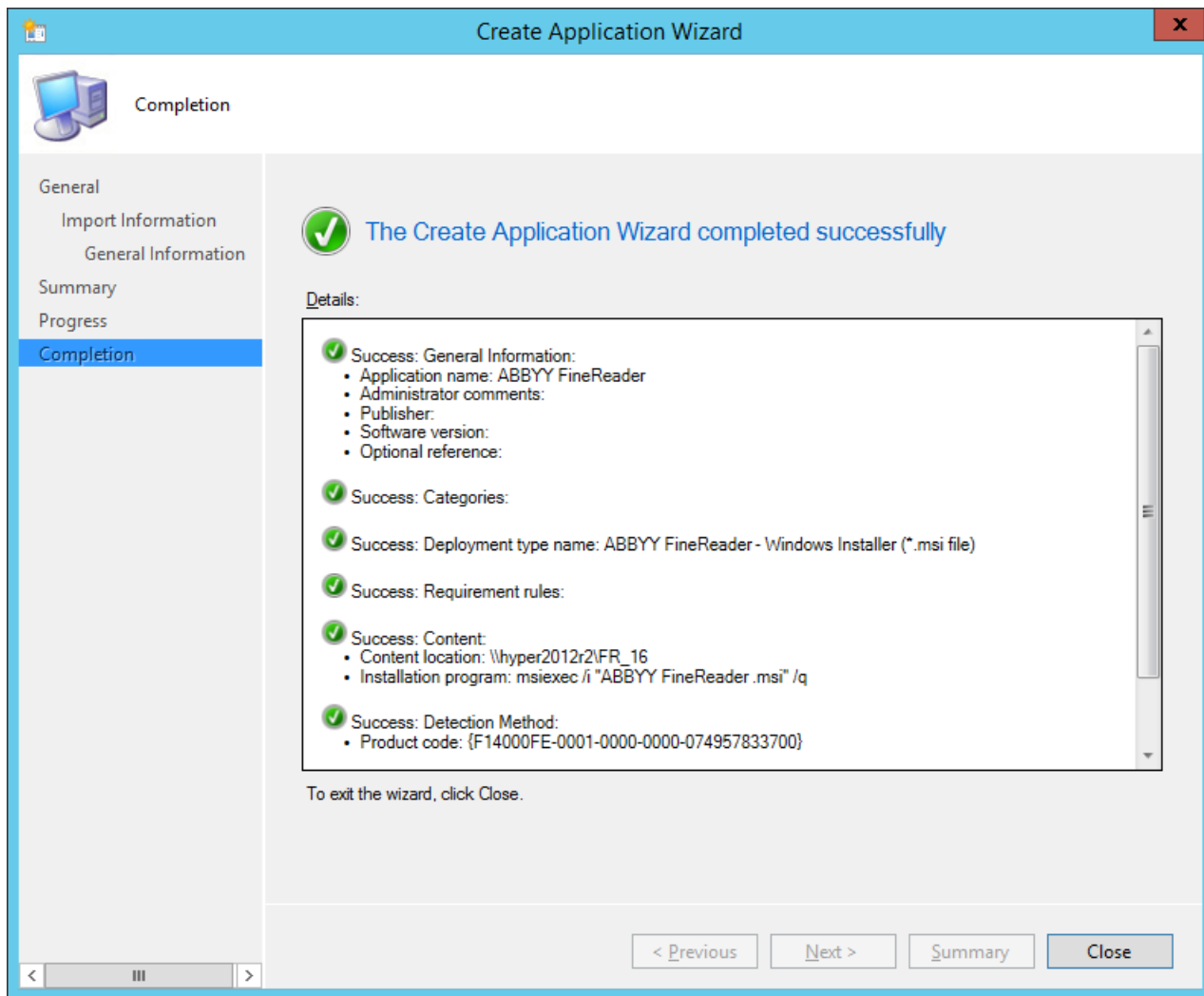


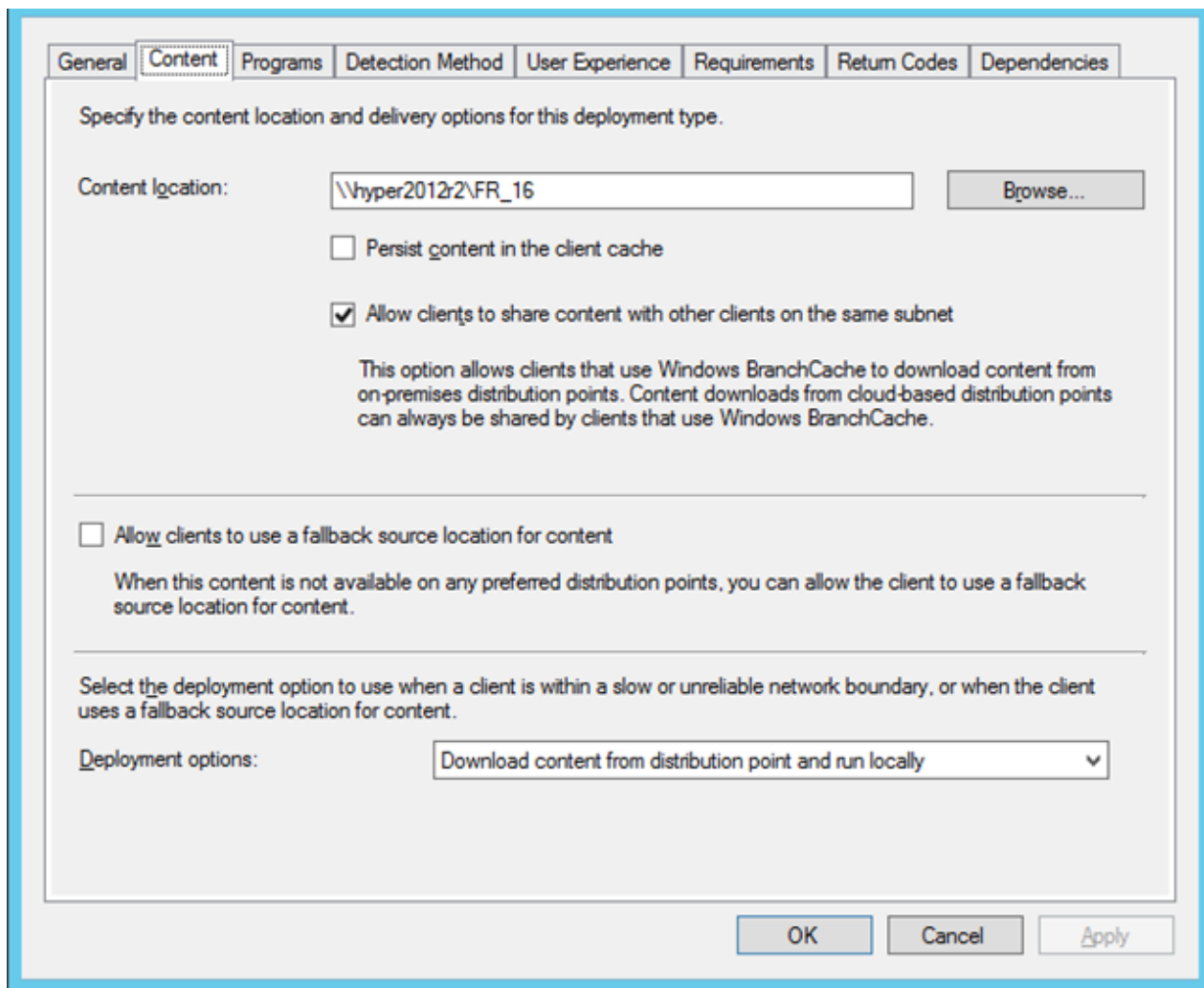
6. Wprowadź wszystkie wymagane informacje o programie ABBYY FineReader PDF. Nie wprowadzaj żadnych zmian w polu **Installation Program (Instalacja program)**. Kliknij przycisk **Next (Dalej)**.





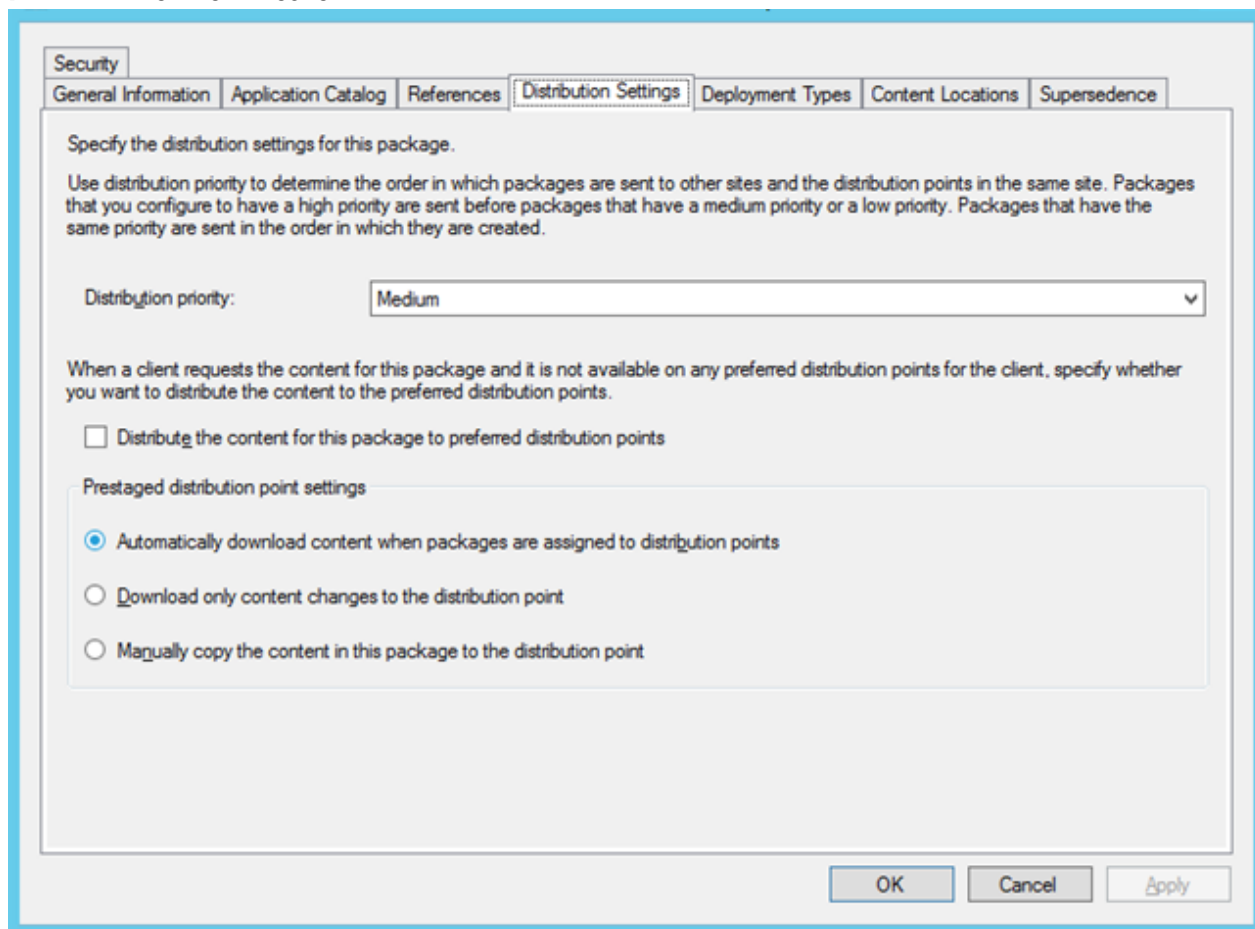
7. Sprawdź, czy aplikacja została utworzona prawidłowo i zamknij kreatora tworzenia aplikacji.





8. Aby automatycznie załadować pliki instalacyjne na stacjach roboczych:
  - a. Kliknij prawym przyciskiem myszy na utworzonej aplikacji i kliknij pozycję **Properties (Właściwości)** w menu skrótów.

- b. W otwartym oknie dialogowym przejdź na kartę **Distribution Settings (Parametry dystrybucyjne)** i włącz opcję **Automatically download content when packages are assigned to distribution points (Automatycznie pobieraj zawartość, jeżeli pakiety są przypisane do punktów dystrybucyjnych)**.



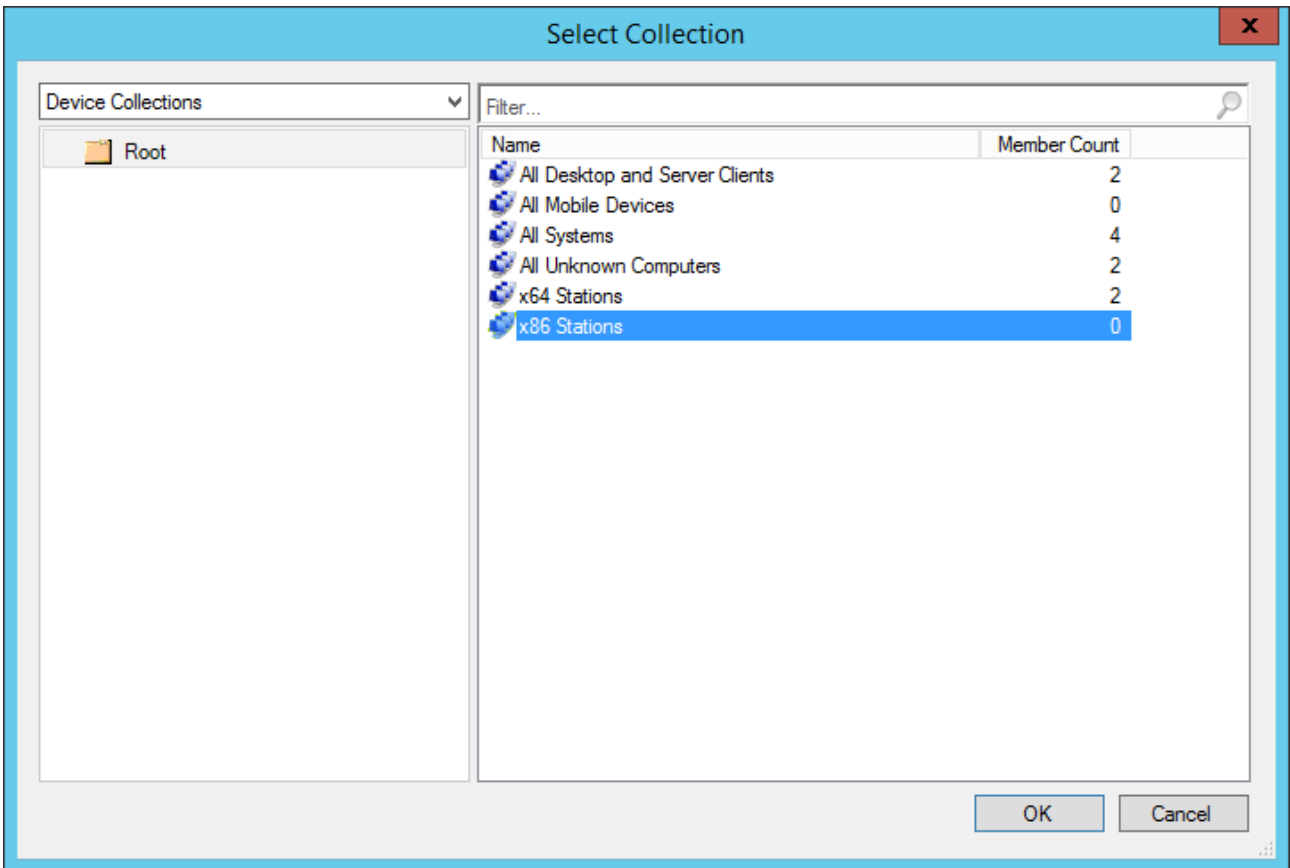
9. **Zalecane ustawienia:**

Na karcie **Deployment Types (Typy instalacji)** wybierz ABBYY FineReader 16 Windows Installer i kliknij przycisk **Edit (Edytuj)**. W oknie dialogowym właściwości przejdź na kartę **Content (Zawartość)** i ustaw **Deployment options (Opcje instalacji)** na **Download content from distribution point and run locally (Załaduj zawartość z punktu dystrybucyjnego i uruchom lokalnie)**.

10. Aby zainstalować aplikację na stacjach roboczych, kliknij ją prawym przyciskiem myszy i w menu skrótów kliknij pozycję **Deploy (Instalacja)**. Wybierz **Device Collection (Zbiór urządzeń)** w sekcji **Collection (Zbiór)**.

**Uwaga: User Collection (Instalacje Zbiorów) użytkowników nie są obsługiwane.**

11. Dokończ proces instalacji tak jak zwykle.



# Instalacja programu ABBYY FineReader PDF 16 na Serwerze terminalowym

## Instalacja

Instalacja programu ABBYY FineReader PDF została przetestowana na serwerze Citrix Workspace App 1808 i wersjach wcześniejszych i w systemie Windows Server 2012 R2 i wersjach wcześniejszych z usługą pulpitu zdalnego systemu Windows 7.0 (instalacja została przeprowadzona przy użyciu Windows RemoteApp i Citrix Workspace App). Oba te rozwiązania mogą być zastosowane dla dowolnej wersji programu ABBYY FineReader PDF.

Program ABBYY FineReader PDF nie obsługuje strumieniowania aplikacji.

Dla licencji **jednoczesnych** i **zdalnych**:

1. Przeprowadź instalację administracyjną.

Serwer i Menedżer licencji można zainstalować na dowolnym komputerze w sieci lokalnej.

**Ważne!** Serwer licencji powinien być zainstalowany na komputerze dostępnym przez cały czas dla wszystkich lokalnych komputerów, na których działa program ABBYY FineReader PDF.

**Uwaga.** Serwer licencji można zainstalować na serwerze terminalowym.

Patrz [Instalacja administracyjna z serwera licencji i menedżera licencji](#)<sup>10</sup>, aby uzyskać więcej informacji.

2. Uruchom Menedżer licencji.
3. Dodaj wszystkie posiadane licencje w Menedżerze licencji.
4. Zainstaluj program ABBYY FineReader PDF na serwerze terminalowym z administracyjnego folderu instalacyjnego.

Program ABBYY FineReader zostanie zainstalowany na serwerze terminalowym, tak jakby to była stacja robocza. Użytkownicy będą mogli podłączyć się do serwera i korzystać z programu FineReader poprzez klienta.

**Uwaga.** Jeżeli program ABBYY Screenshot Reader został zainstalowany na serwerze terminalowym i używany jest za pośrednictwem funkcji Windows RemoteApp lub Citrix Workspace App, użytkownicy będą mogli wyłącznie robić zrzuty ekranu aplikacji, które uruchomione zostały na tym samym serwerze terminalowym.

## Specyfikacja licencji jednoczesnych i zdalnych

Liczba jednoczesnych połączeń będzie ograniczona przez parametry licencji.

**Uwaga.** Jeżeli użytkownik uruchomi program ABBYY Hot Folder lub inną powiązaną aplikację, nie uruchamiając przy tym programu FineReader, to i tak zostanie mu przydzielona **Licencja równoczesna / Zdalny użytkownik**. Powyższe nie dotyczy programu ABBYY Screenshot Reader, który do uruchomienia nie wymaga licencji **jednoczesnej/zdalnej**.

## **Wymagania systemowe serwera terminalowego**

Program ABBYY FineReader PDF został przetestowany w następujących konfiguracjach serwera terminalowego:

1. Komputer z systemem operacyjnym Microsoft Windows Server 2022, 2019, 2016, 2012 R2 (zdalny pulpit, RemoteApp oraz Dostęp w sieci Web do usług pulpitu zdalnego)
2. Citrix Workspace App 1808

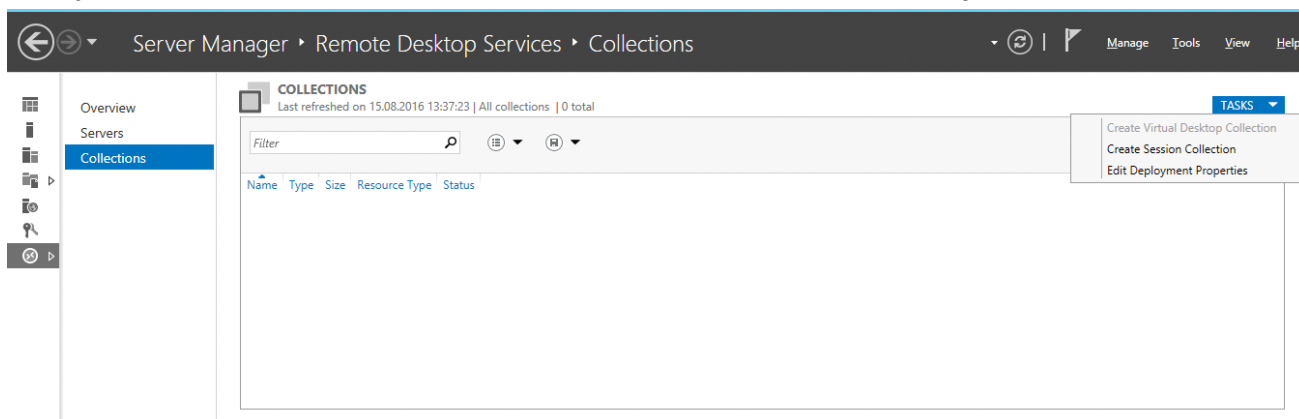
## Konfiguracja funkcji Windows RemoteApp

Program ABBYY FineReader PDF można zainstalować przy użyciu funkcji RemoteApp. Poniżej znajdują się instrukcje, jak zainstalować funkcję RemoteApp w systemie Microsoft Windows Server 2012 R2.

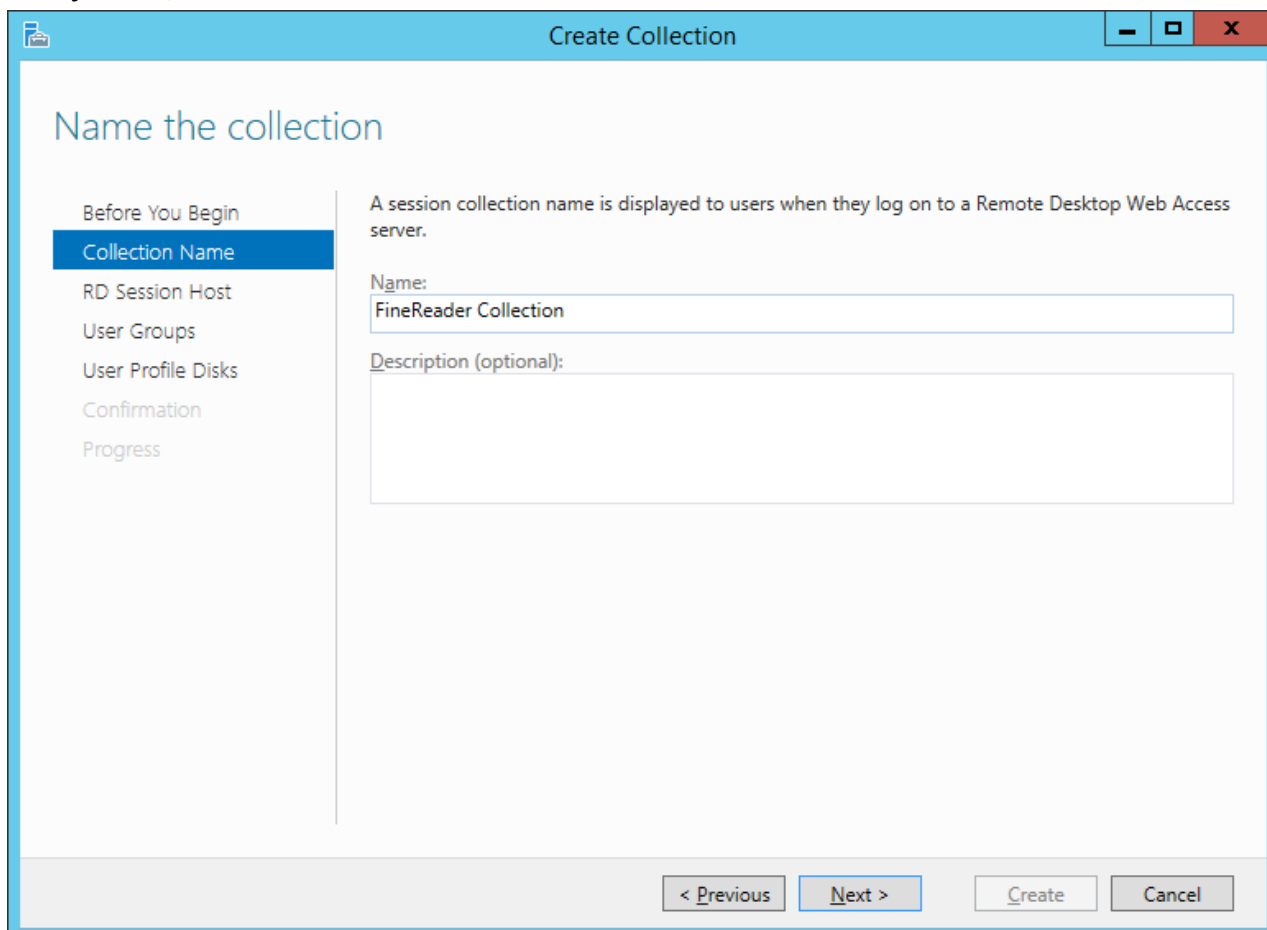
Zainstaluj program ABBYY FineReader PDF na serwerze.

Utwórz zbiór sesji:

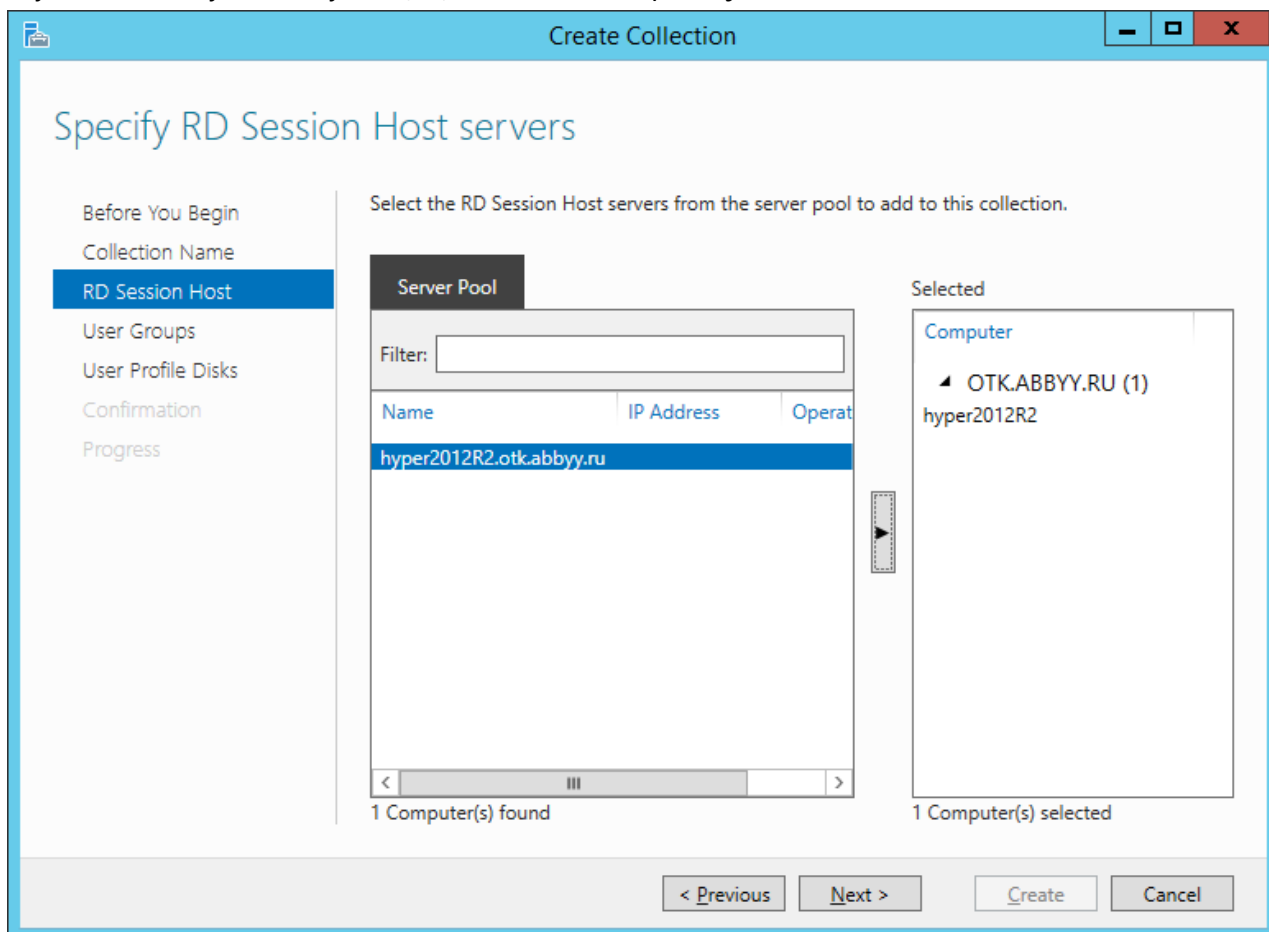
1. Uruchom **Server Manager (Menedżer serwera)** i kliknij pozycję **Remote Desktop Services > Collections (Usługi pulpitu zdalnego > Kolekcje)**.
2. Kliknij **TASKS>Create Session Collection (ZADANIA>Utwórz zbiór sesji)**.



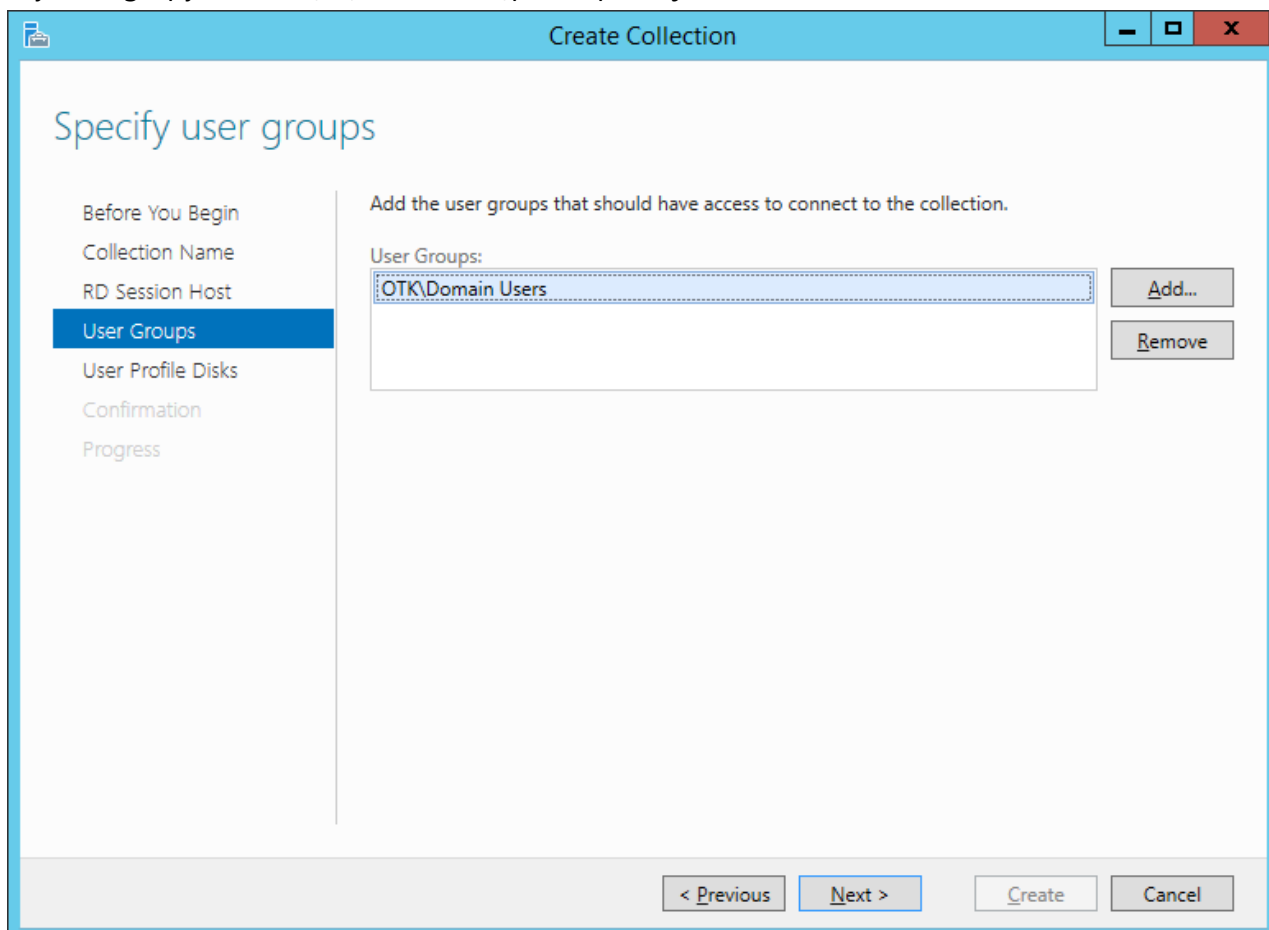
3. Podaj nazwę zbioru.



4. Wybierz serwery, na których będą uruchamiane aplikacje.



5. Wybierz grupy, które będą mieć dostęp do aplikacji.





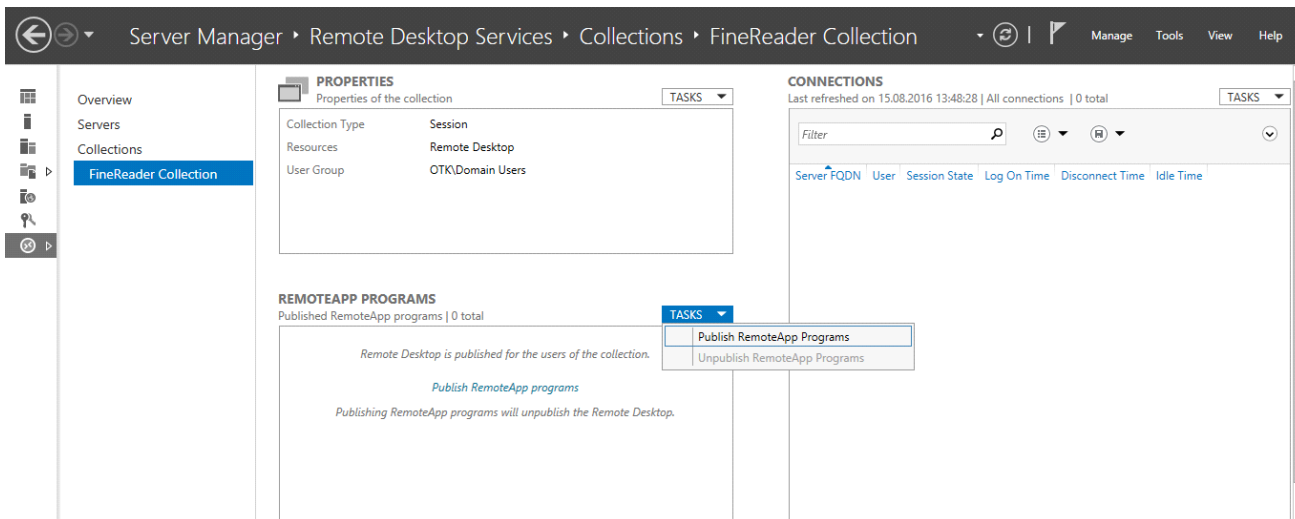
6. Określ, czy chcesz dodać **User Profile Disc (Dysk profilu użytkownika)**.

7. Kliknij przycisk **Create (Utwórz)**.

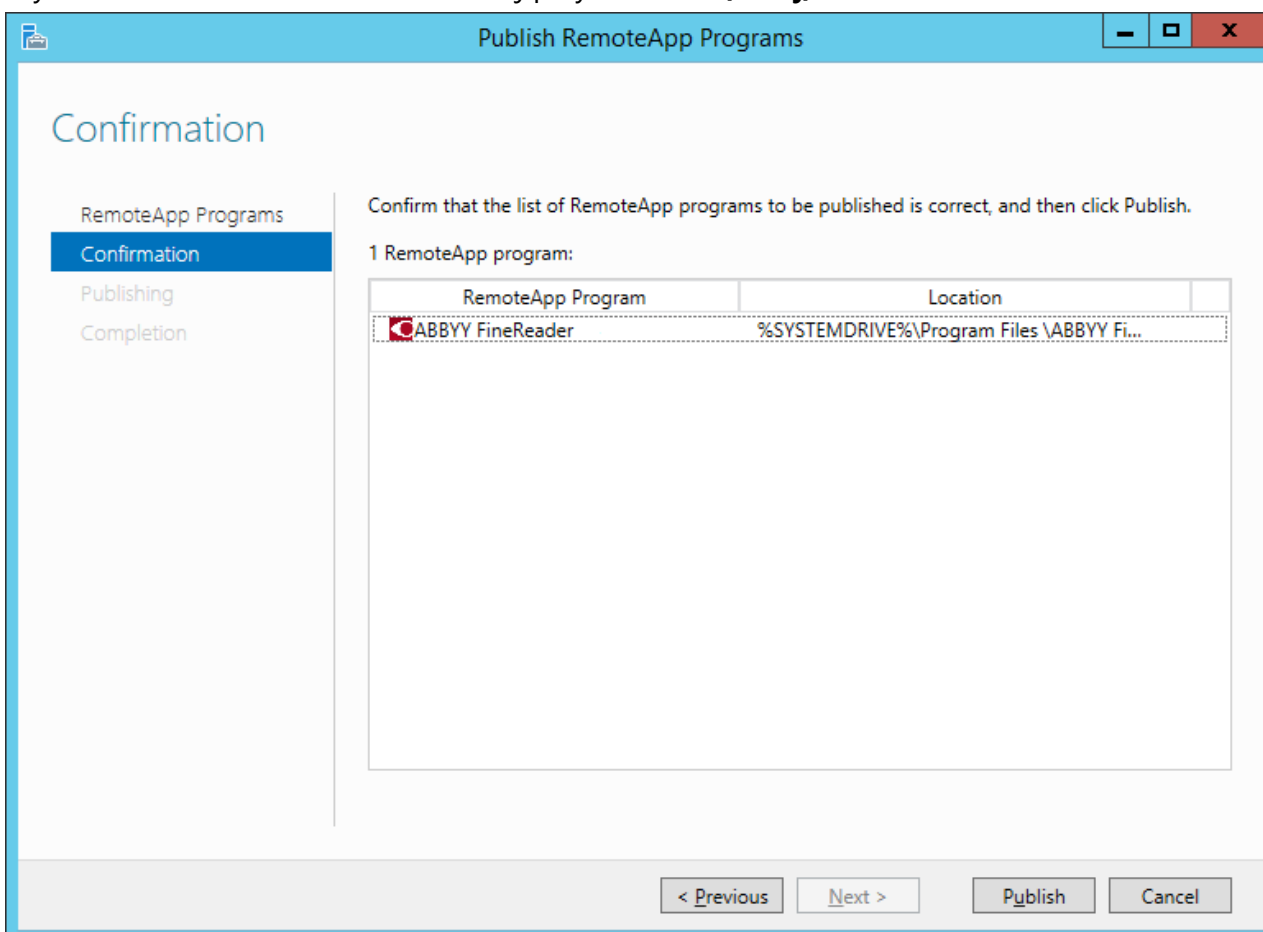
Aby dodać program ABBYY FineReader PDF do zbioru:

1. Uruchom **Server Manager (Menedżera serwera)** i kliknij opcję **Remote Desktop Services>Collection>[name of collection](Usługi pulpitu zdalnego>Zbiór>[nazwa zbioru])**.

2. Kliknij **TASKS>Publish RemoteApp Programs (ZADANIA>Publikuj programy RemoteApp)**



3. Wybierz ABBYY FineReader PDF i kliknij przycisk **Next (Dalej)**.



4. Kliknij przycisk **Publish (Publikuj)**.

## Konfiguracja Citrix Workspace App

Jeżeli program ABBYY FineReader PDF jest instalowany przy użyciu Citrix Workspace App, to należy wybrać opcję **Instalacja aplikacji z dostępem przez serwer**.

Aby zainstalować program ABBYY FineReader PDF Corporate:

1. Zainstaluj program FineReader na wszystkich serwerach w grupie odbiorców farmy Citrix\*.
2. Tworzenie Serwera licencji i dodawanie odpowiedniej liczby licencji.

**Uwaga.** Jeżeli użytkownik uruchomi program ABBYY Hot Folder lub inną powiązaną aplikację, nie uruchamiając przy tym programu FineReader, to i tak zostanie mu przydzielona **Licencja równoczesna / Zdalny użytkownik**. Powyższe nie dotyczy programu ABBYY Screenshot Reader, ponieważ do jego uruchomienia nie potrzeba licencji **jednoczesnej/zdalnej**.

\* Farma to grupa serwerów Citrix umożliwiających centralne zarządzanie i równoważenie obciążenia oraz zwiększająca odporność na błędy.

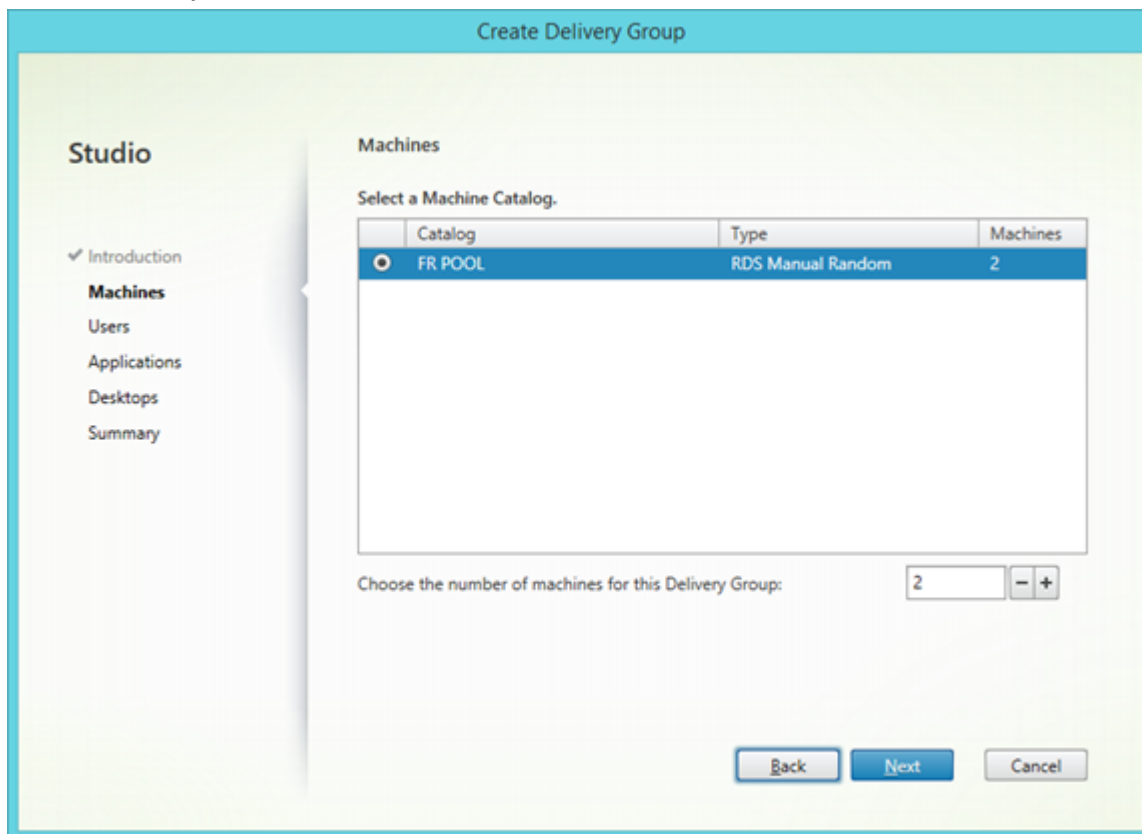
### Przykład: konfiguracja Citrix Workspace App 1808

1. Uruchom Citrix Studio.
2. Wybierz farmę, w której chcesz zainstalować program ABBYY FineReader PDF.
3. Utwórz grupę odbiorców dla programu FineReader lub dodaj program FineReader do istniejącej grupy.

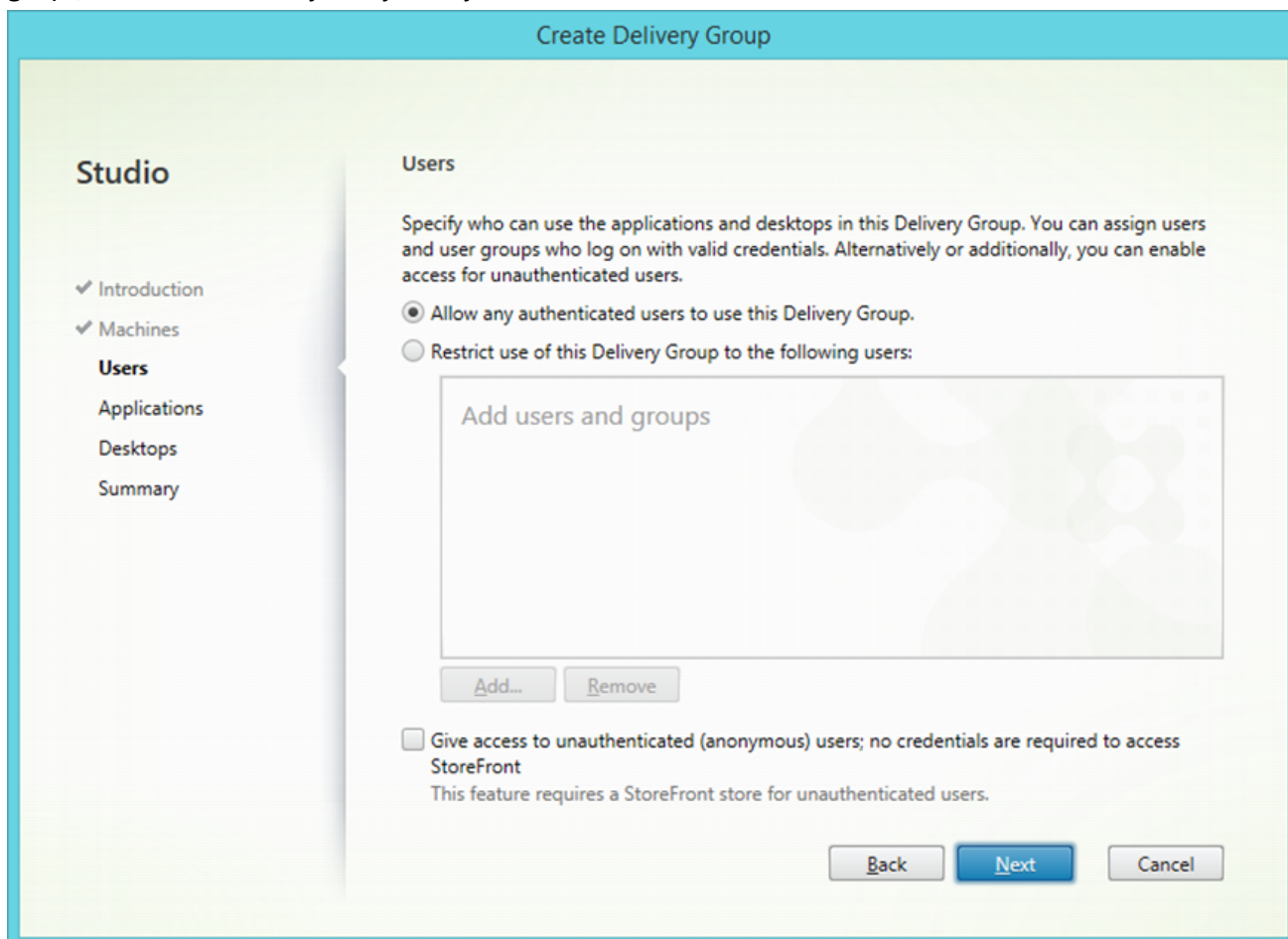
Aby utworzyć nową grupę odbiorców:

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

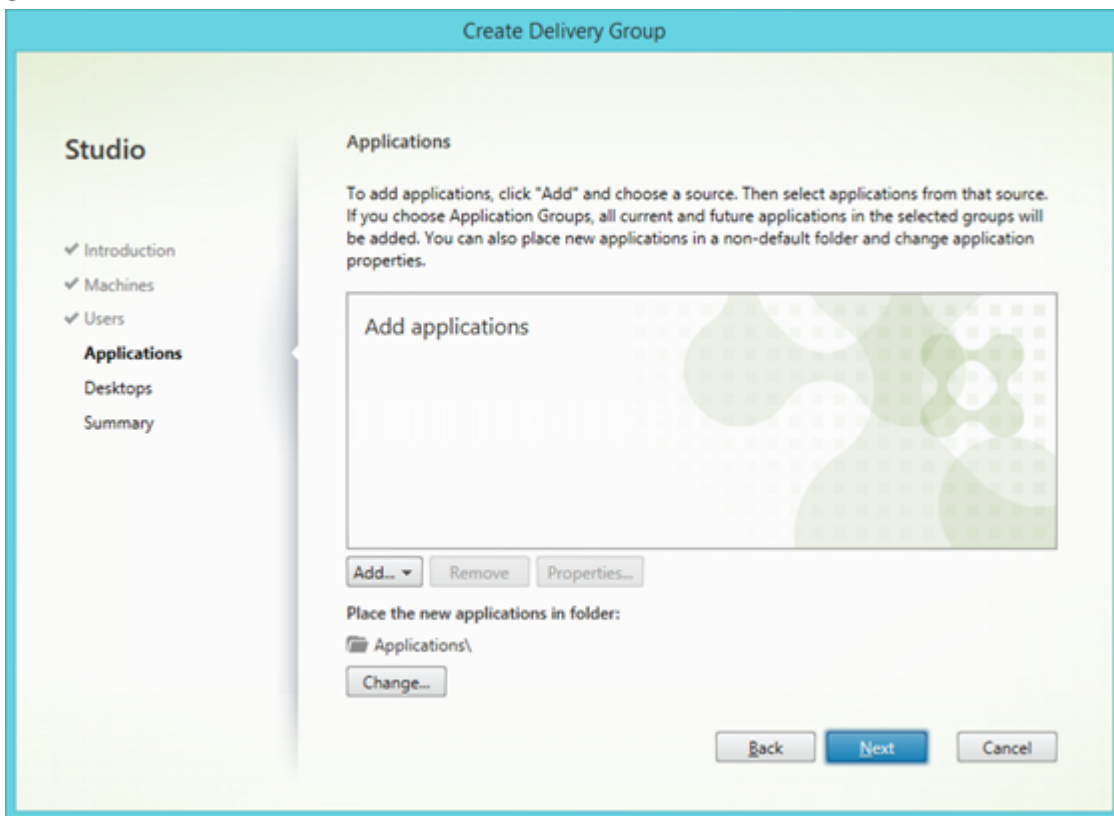
2. W kroku **Machines** wybierz Machine Catalog z listy i wprowadź liczbę serwerów, których zamierzasz używać.



3. W kroku **Users** określ użytkowników, którzy będą mieć dostęp do grupy odbiorców lub ogranicz grupę odbiorców do wybranych użytkowników.

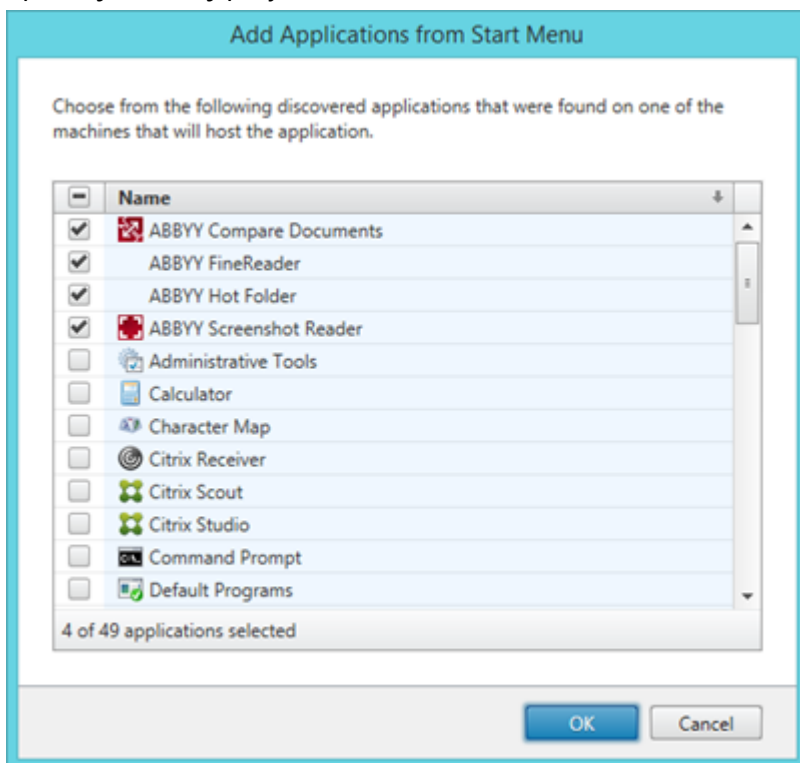


4. W kroku **Applications** kliknij przycisk **Dodaj...** i wybierz aplikacje, które mogą być uruchamiane w grupie odbiorców:



**4.1.Z menu start...**

Wybierz program ABBYY FineReader PDF z listy. Jeżeli użytkownicy mają mieć dostęp do preinstalowanych aplikacji bez uprzedniego uruchamiania programu FineReader, to wybierz te aplikacje. Kliknij przycisk **OK**.



#### 4.2. Ręcznie...

Jeżeli na wybranych serwerach dostępnych jest kilka katalogów aplikacji, to należy wybrać katalog z ABBYY FineReader PDF w okienku **Working directory (Katalog roboczy)**. W polu **Path to the executable file (Ścieżka do pliku wykonywalnego)** wpisz ścieżkę dostępu do pliku FineReader.exe, a następnie wpisz nazwę aplikacji dla użytkowników oraz dla administratorów. Kliknij przycisk **OK**.

**Add Applications Manually**

**Add an Application Manually**

You can add applications from the virtual machine in this Delivery Group or from a different network location.

**Path to the executable file:**

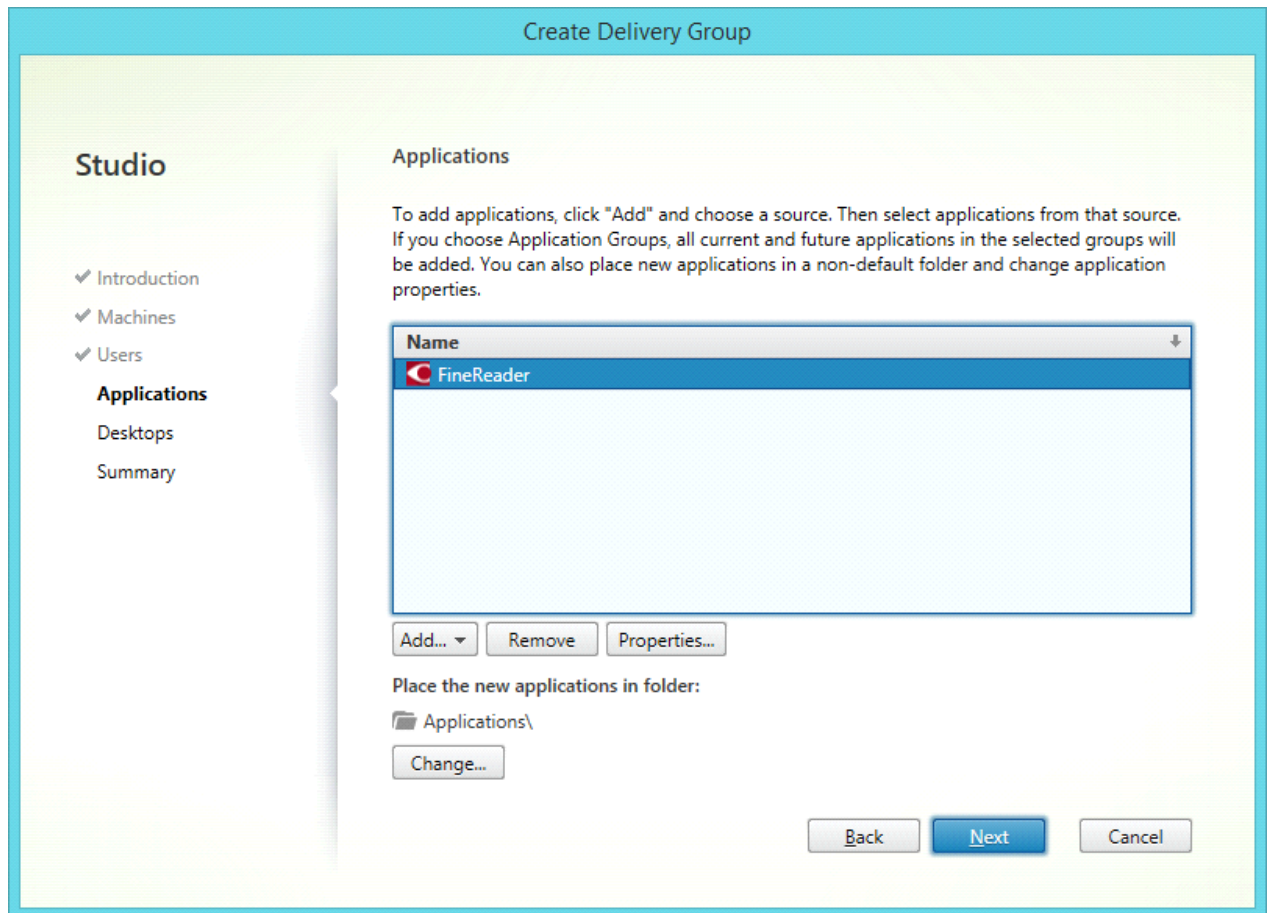
**Command line argument (optional):**

**Working directory:**

**Application name (for user):**

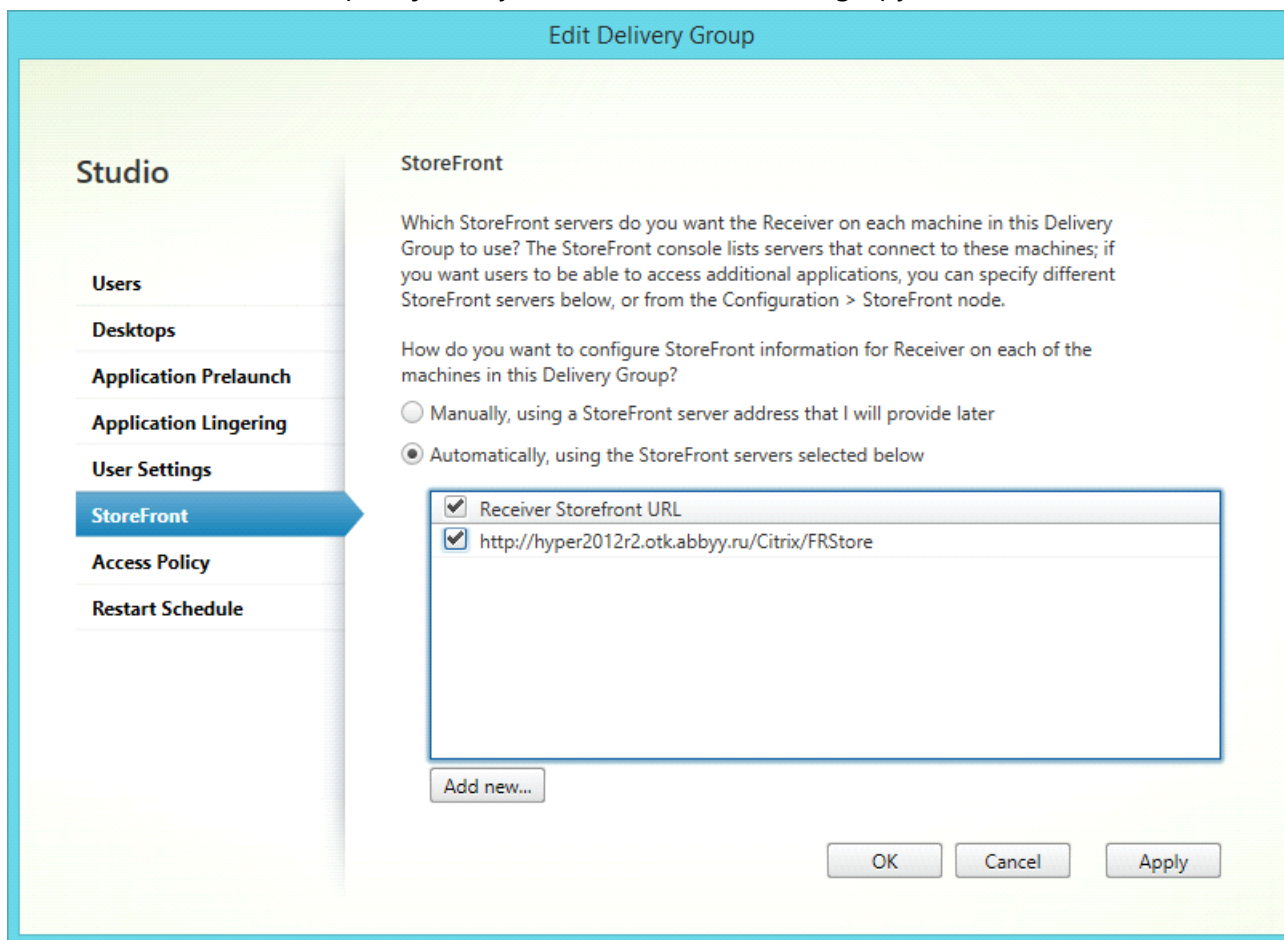
**Application name (for administrator):**

4.3. Dodaj inne aplikacje, które mają pojawić się w tej samej grupie odbiorców, co ABBYY FineReader PDF i kliknij **Next (Dalej)**.



5. W kroku **Desktops** dodaj pulpity, które będą udostępniane przez grupę odbiorców. Jeżeli nie planujesz udostępniać pulpitów, to możesz pominąć ten krok.
6. W kroku **Summary** podaj nazwę dla grupy odbiorców w sekcji **Delivery Group name** i wpisz opis w sekcji **Delivery Group description, used as label in Receiver (optional)**. Zakończ proces tworzenia grupy odbiorców.

- Wybierz właśnie utworzoną grupę i kliknij przycisk **Edit Delivery Group**. W otwartym oknie dialogowym przejdź na kartę **StoreFront**, włącz opcję **Automatically, using the StoreFront servers selected below** i podaj nazwy serwerów **StoreFront** z grupy odbiorców.



Aby dodać program ABBYY FineReader PDF do istniejącej grupy odbiorców:

- Wybierz grupę, do której ma zostać dodany program FineReader i kliknij przycisk **Add Applications**.
- Dodaj program ABBYY FineReader PDF w taki sam sposób, jak zostało to opisane w kroku 4 w przypadku tworzenia nowej grupy.

# Konfiguracja programu ABBYY FineReader PDF 16 przy użyciu polityki grupowej

Administrator może wyłączać elementy menu i opcje wysyłające lub pobierające dane przez Internet. Ponadto administrator może dostosowywać działanie programu ABBYY FineReader PDF. Dostępne są następujące opcje:

**Enable 'FineReader PDF Blog' menu item** – wyświetla element menu **Pomoc > Blog FineReader PDF**

**Enable 'Check for Updates' menu item** – wyświetla element menu **Pomoc > Sprawdź aktualizacje**

**Enable 'Send Feedback' menu item** – wyświetla element menu **Pomoc > Wyślij opinię**

**Enable Usage Statistics** – pozwala programowi na wysyłanie anonimowych danych dotyczących ustawień programu ABBYY FineReader PDF i statystyk używania do firmy ABBYY, która wykorzysta je w celu ulepszenia swojego produktu

**Enable activation by user** – wyświetla element menu **Pomoc > Aktywuj...** okno dialogowe **Licencje (Pomoc > O programie... > Informacje o licencji)**

**Enable 'Activate...' menu item** – wyświetla element menu **Pomoc > Aktywuj...**

**Enable 'Register...' menu item** – wyświetla element menu **Pomoc > Zarejestruj...**

**Enable 'Buy Full Version'** – wyświetla przycisk **Kup pełną wersję** w prawym górnym rogu programu

**Enable loading marketing tips from the ABBYY servers** – pozwala na pobieranie wskazówek i wiadomości marketingowych firmy ABBYY z serwerów firmy ABBYY

**Automatically check for updates** – automatycznie sprawdza dostępność aktualizacji dla programu ABBYY FineReader PDF

**Enable online help** – Otwiera pomoc internetową (pomoc offline jest dostępna tylko w niektórych wersjach programu ABBYY FineReader)

**Enable working with FTP** – umożliwia przetwarzanie plików z folderów znajdujących się na serwerze FTP w aplikacji ABBYY Hot Folder

**Accept EULA and Privacy Policy on behalf of all group users** – Nie proś użytkowników o zaakceptowanie Umowy licencyjnej i Polityki prywatności. Korzystając z tej polityki grupowej administrator akceptuje Umowę licencyjną i Politykę prywatności w imieniu wszystkich użytkowników należących do grupy.



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**Prompt to make ABBYY FineReader the default PDF application** – Włącza propozycje uczynienia programu ABBYY FineReader PDF domyślną przeglądarką plików PDF.

**Enable 'Quick Start Guide' menu item** – wyświetla element menu **Pomoc > Przewodnik Szybki start**

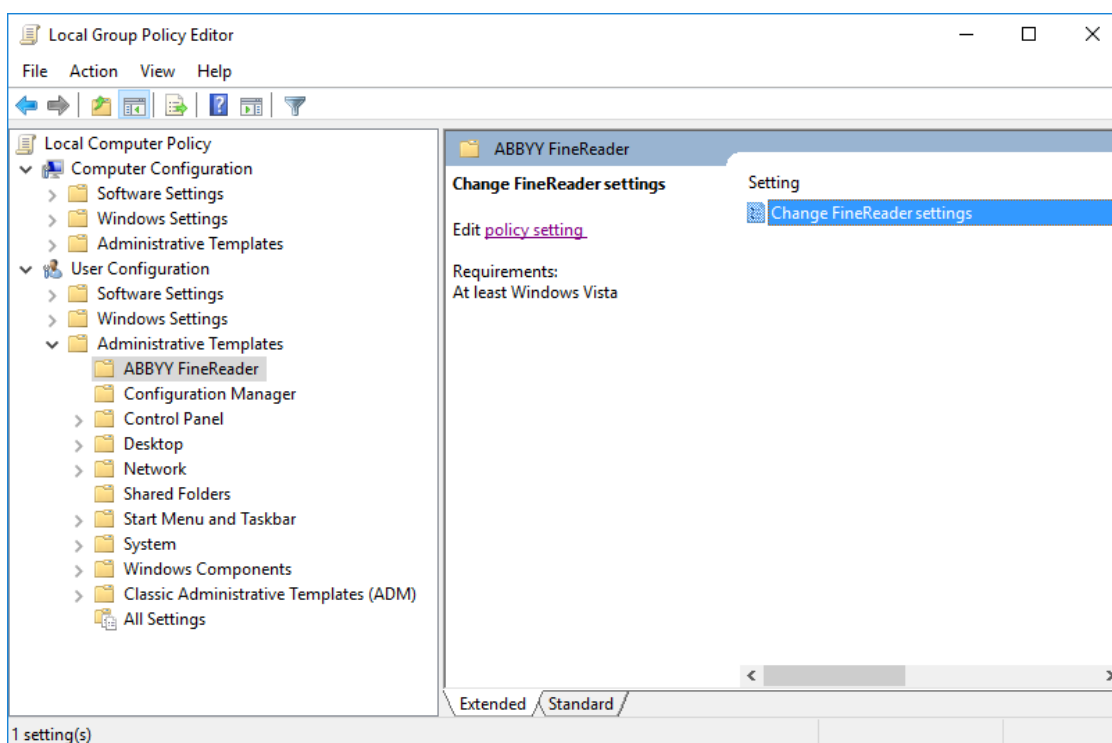
**Max number of CPU cores: N** – maksymalna liczba procesorów przeznaczonych dla programu ABBYY FineReader PDF (ustawienie N=0 likwiduje to ograniczenie)

**Period of inactivity (hrs) after which license will be lost: M** – zwalnia licencję **jednoczesną / zdalną** po M godzin braku aktywności użytkownika (ustawienie M=0 wyłącza tę opcję)

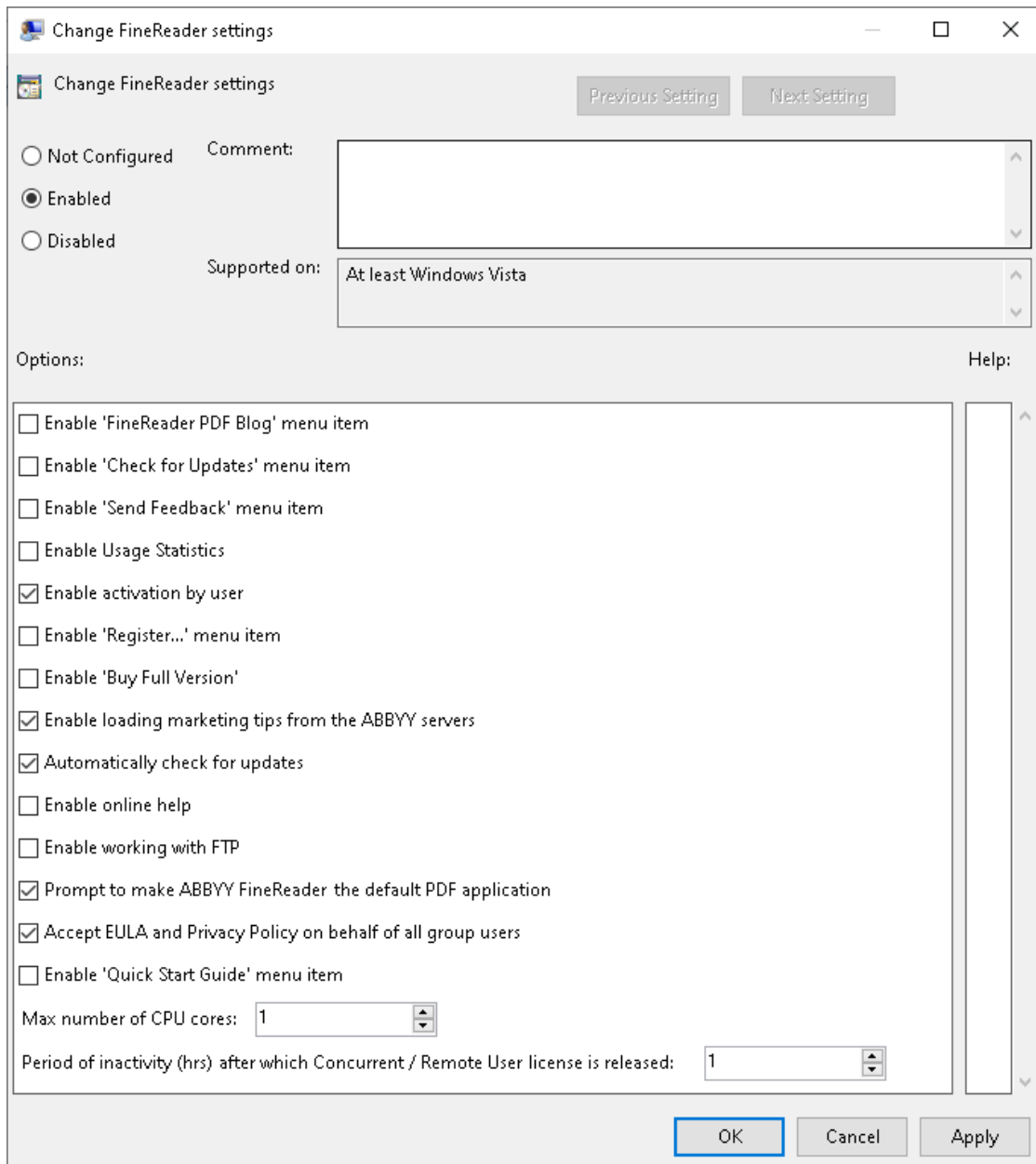
**Uwaga** Aby zmienić powyższe parametry, pobierz pliki [FineReader16.admx](#) i [FineReader16.adml](#).

## Konfiguracja programu ABBYY FineReader PDF 16 na komputerze lokalnym

1. Pobierz pliki [FineReader16.admx](#) i [FineReader16.adml](#).
2. Plik **FineReader.admx** umieść w folderze `%systemroot%\policyDefinitions`, a plik **FineReader16.adml** przenieś do folderu `%systemroot%\policyDefinitions\en-US`.
3. Otwórz okno dialogowe **Uruchom** (Win + R) i wykonaj plik **gpedit.msc**.  
Spowoduje to otwarcie okna dialogowego **Edytor lokalnych zasad grupy**.
4. Aby edytować swoją zasadę grupy, wybierz opcję **Konfiguracja użytkownika > Szablony administracyjne > ABBYY FineReader PDF** i otwórz zasadę **Zmień ustawienia programu FineReader 16**.



5. Zaznacz odpowiednie parametry i kliknij przycisk **OK**.

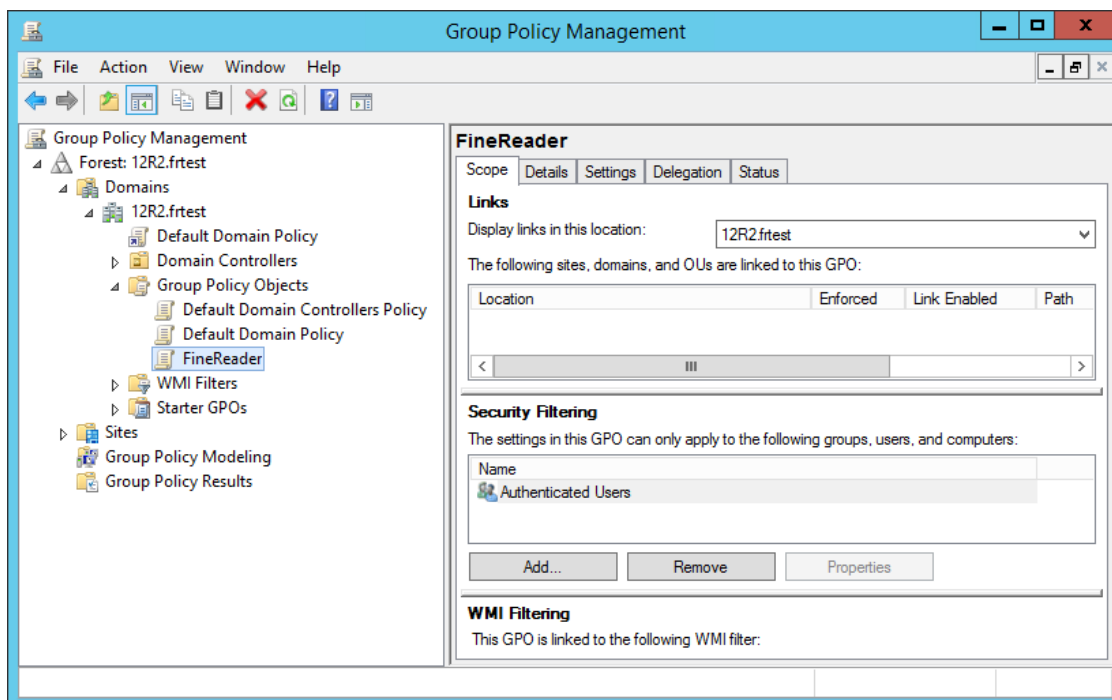


6. Aby zapisać zmiany, zaktualizuj zasady grup i ponownie uruchom program ABBYY FineReader PDF na swojej stacji roboczej.

**Uwaga.** Parametry ustawione za pomocą Zasady grupy mają zastosowanie do wszystkich aplikacji wchodzących w skład programu ABBYY FineReader PDF.

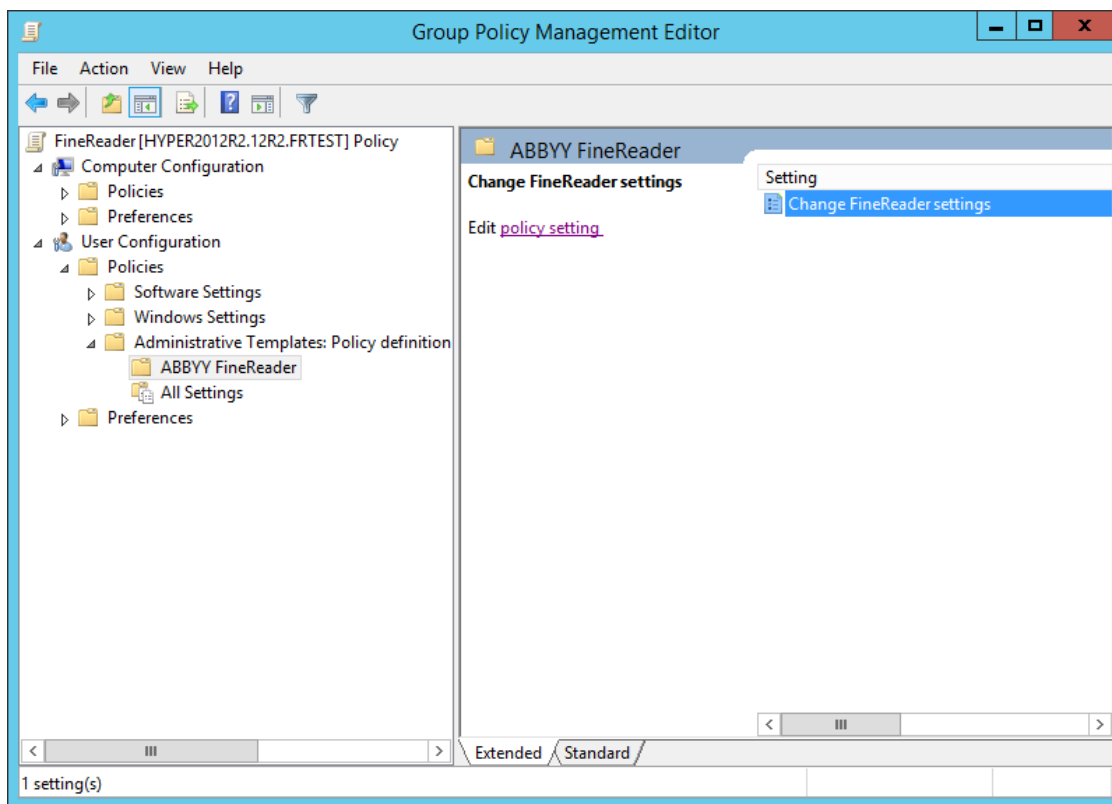
## Jednoczesna instalacja programu ABBYY FineReader PDF 16 na wszystkich komputerach w domenie

1. Pobierz pliki [FineReader16.admx](#) i [FineReader16.adml](#).
2. Plik **FineReader.admx** umieść w folderze **%systemroot%\sysvol\domain\*\policies\PolicyDefinitions**, a plik **FineReader16.adml** przenieś do folderu **%systemroot%\sysvol\domain\*\policies\PolicyDefinitions\en-us**.  
\* nazwa domeny
3. Otwórz okno dialogowe **Uruchom** (Win + R) i wykonaj plik **gpmc.msc**.  
Spowoduje to otwarcie **Konsoli zarządzania zasadami grupy**.
4. Utwórz nowy obiekt zasad grupy. W tym celu otwórz menu skrótów dla węzła **Obiekty Zasad grupy** i wybierz pozycję **Nowa**.
5. Wpisz nazwę swoich zasad grupy i kliknij przycisk **OK**.
6. Rozwiń węzeł **Obiekty Zasad grupy**.

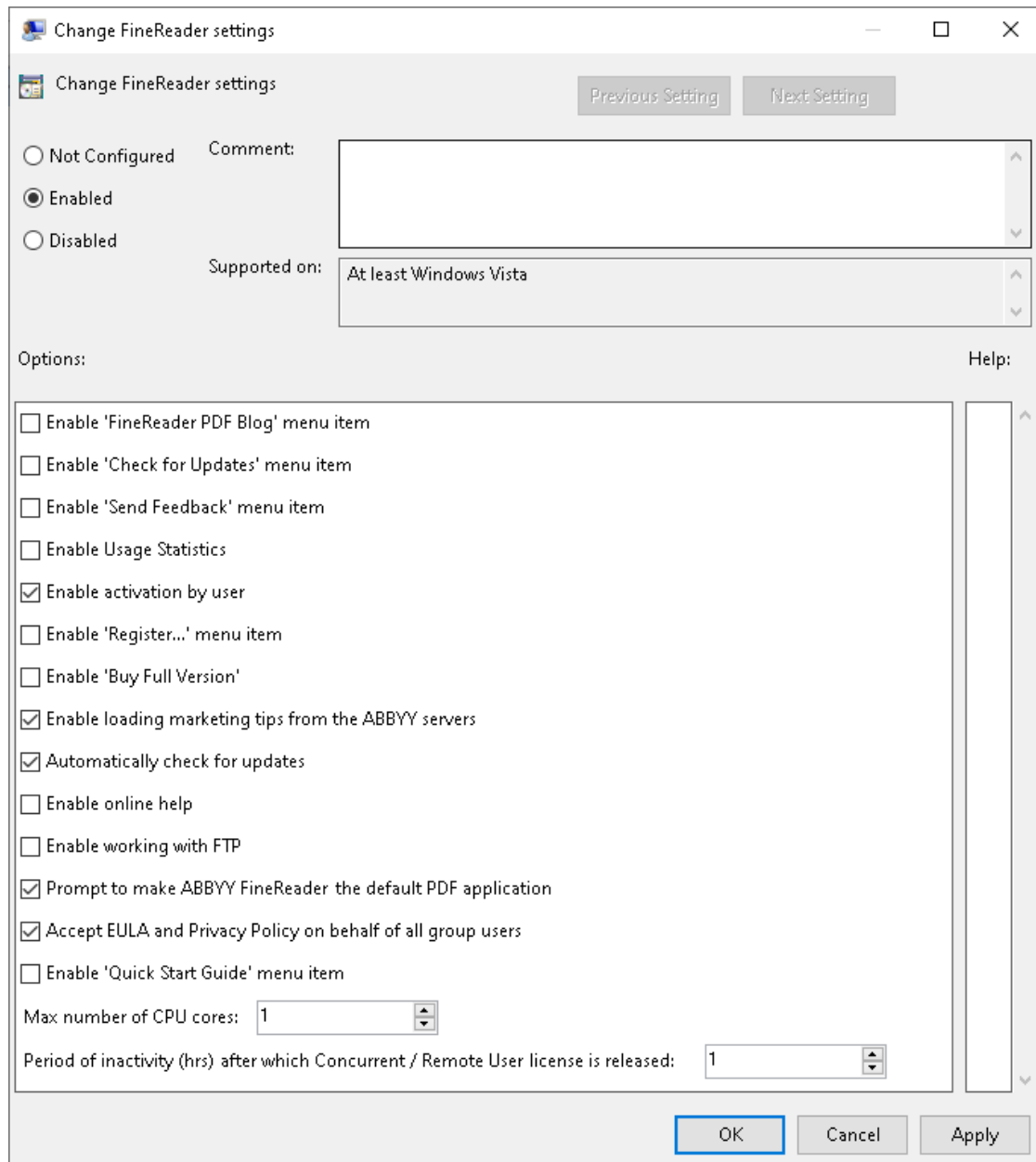


7. Otwórz menu skrótów dla obiektu zasad grupy utworzonego w punkcie 4 i wybierz opcję **Edycja**. Spowoduje to otwarcie okna **Edytor zarządzania zasadami grupy**.

8. Aby edytować zasady grupy, wybierz kolejno opcje **Konfiguracja użytkownika > Zasady > Szablony administracyjne: Definicje zasad (pliki ADMX pobrane z magazynu centralnego) > ABBYY FineReader PDF** i otwórz zasadę **Zmień ustawienia programu FineReader 16**.



9. Zaznacz odpowiednie parametry i kliknij przycisk **OK**.



10. Aby zapisać wprowadzone zmiany, zaktualizuj zasady grup na serwerze i ponownie uruchom na stacji roboczej program ABBYY FineReader PDF.

**Uwaga.** Parametry ustawione za pomocą Zasady grupy mają zastosowanie do wszystkich aplikacji wchodzących w skład programu ABBYY FineReader PDF.

## Aktualizacje instalacji

Aby zainstalować program ABBYY FineReader PDF na stacjach roboczych, wykonaj poniższe czynności:

1. Pobierz pliki instalacyjne najnowszej wersji programu ABBYY FineReader PDF.
2. Zainstaluj program ABBYY FineReader PDF na stacjach roboczych bez tworzenia administracyjnego punktu instalacyjnego. Można użyć dowolnej metody instalacji. Patrz [Instalacja programu ABBYY FineReader 16 na stacjach roboczych](#)<sup>[21]</sup>.

**Uwaga.** Aby zainstalować aktualizację nie ma potrzeby odinstalowywać poprzedniej wersji programu ABBYY FineReader PDF.

## Często zadawane pytania

### Czy można sklonować system operacyjny, na którym został zainstalowany program ABBYY FineReader PDF 16?

Aby zainstalować program ABBYY FineReader PDF, można sklonować system operacyjny Microsoft Windows 10/11. Po sklonowaniu systemu operacyjnego konieczne jest aktywowanie programu ABBYY FineReader PDF. Nieaktywowana kopia programu ABBYY FineReader PDF nie zadziała lub będzie działać w trybie próbnym, zależnie od wersji produktu. Niektóre wersje produktu dokonują aktywacji automatycznie przez internet, nie pytając o zgodę użytkownika. W celu zapoznania się ze szczegółami, patrz [Tworzenie administracyjnego punktu instalacyjnego dla wielu użytkowników z licencjami jednostanowiskowymi](#)<sup>[20]</sup>.

#### Ważne!

1. Klonowanie jest możliwe wyłącznie wtedy, gdy program ABBYY FineReader PDF nie został jeszcze uruchomiony na klonowanym komputerze.  
W przeciwnym razie konieczna będzie instalacja naprawcza programu ABBYY FineReader PDF na tym komputerze. Zobacz [Jak naprawić program ABBYY FineReader PDF 16 na stacjach roboczych?](#)<sup>[66]</sup>
2. Po sklonowaniu systemu operacyjnego konieczna jest zmiana jego nazwy i **identyfikatora SID**.
3. Wersje próbne programu ABBYY FineReader PDF można klonować.

## W jaki sposób zmienić ustawienia połączeń sieciowych?

Można zmienić ustawienia połączeń używanych do komunikacji pomiędzy usługami License Server, License Manager i stacjami roboczymi.

1. Zmień następujące parametry w pliku **NetworkLicenseServer.ini** znajdującym się na komputerze, w którym zainstalowany jest program License Server (**%programfiles%\Common Files\ABBYY\FineReader\16\Licensing\**).

- Protokół połączenia  
zobacz temat [Konfiguracja protokołu połączenia](#)<sup>65</sup>.
- Port połączenia  
Zobacz temat [Konfiguracja portu połączenia](#)<sup>66</sup>.

Na przykład:

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

**Uwaga:** Sprawdź, czy zapora sieciowa nie blokuje plikowi **%programfiles%\Common Files\ABBYY\FineReader\16\Licensing\NetworkLicenseServer.exe** dostępu do wybranego portu.

2. Wprowadź podobne zmiany w pliku **Licensing.ini** znajdującym się w folderze **%programfiles%\Common Files\ABBYY\FineReader\16\Licensing\**.
3. Skopiuj plik **Licensing.ini** do folderu License Manager na wszystkich komputerach, na których zainstalowany jest License Manager (domyślnie License Manager jest instalowany w folderze **%programfiles%\ABBYY FineReader PDF License Server**).

**Ważne!** Aby zmiany zostały wprowadzone, ponownie uruchom usługę licencjonowania ABBYY FineReader PDF.

4. Ponownie uruchom usługę licencjonowania ABBYY FineReader PDF. Po ponownym uruchomieniu sprawdź, czy License Manager działa prawidłowo.
5. Utwórz [administracyjny punkt instalacji](#)<sup>13</sup>.



6. Skopiuj zmodyfikowany plik **Licensing.ini** z folderu **%programfiles%\Common Files\ABBYY\FineReader\16\Licensing\** do utworzonego przez siebie punktu instalacji administracyjnej.

Na przykład:

D:\Temp\Adm16\Bin\ABBYY FineReader 16

Folder instalacji administracyjnej to Adm16.

ABBYY FineReader 16 to podfolder zawierający plik wykonywalny FineReader.exe.

Plik **Licensing.ini** należy skopiować do podfolderu ABBYY FineReader PDF.

7. Upewnij się, że otwarty jest odpowiedni port serwera.
8. Ponownie zainstaluj program ABBYY FineReader PDF na stacjach roboczych przy pomocy punktu instalacji administracyjnej utworzonego w punkcie 5.

## Konfiguracja protokołu połączenia

Do konfiguracji protokołu serwera użyj parametru **ConnectionProtocolType** w pliku **NetworkLicenseServer.ini** znajdującym się w folderze **%programfiles%\Common Files\ABBYY\FineReader\16\Licensing**.

[Licensing]

ConnectionProtocolType=[TCP\IP | NAMED PIPES]

Parametr ten umożliwia wskazanie protokołu sieciowego (TCP\IP) lub użycie protokołu nazwanych potoków. Informacja ta jest używana:

- przez usługę License Manager w celu dostępu do usługi License Server
- przez stacje robocze w celu dostępu do usługi License Server podczas instalacji lub naprawy programu ABBYY FineReader PDF

Domyślnie używany jest protokół **nazwanych potoków**.

## Konfiguracja portu połączenia

Do konfiguracji portu połączenia protokołu serwera użyj parametru **ConnectionEndpointName** w pliku **NetworkLicenseServer.ini** znajdującym się w folderze **%programfiles%\Common Files\ABBYY\FineReader\16\Licensing**.

[Licensing]

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

Parametr ten powinien mieć następujący format: **ConnectionEndpointName=\\pipe\**

Parametr ten umożliwia określenie portu dla protokołu połączenia lub podanie nazwy kanału dla nazwanych potoków. Informacja ta jest używana:

- przez usługę License Manager w celu dostępu do usługi License Server
- przez stacje robocze w celu dostępu do usługi License Server podczas instalacji lub naprawy programu ABBYY FineReader PDF na stacjach roboczych

**Uwaga:** Nie należy zmieniać nazwy potoku protokołu nazwanych potoków ustawionej przez program podczas instalacji programu License Server. Domyślnie nazwane potoki wykorzystują następującą nazwę: **\\pipe\ABBYY\FineReader Windows 16.0 Licensing Service**.

## Jak naprawić program ABBYY FineReader PDF 16 na stacjach roboczych?

Dostęp do dystrybucji instalacyjnej może być potrzebny w celu naprawy programu.

## Naprawa programu ABBYY FineReader PDF 16 w trybie interaktywnym

Na stacji roboczej należy wykonać następujące czynności:

1. Otwórz **Start>Control Panel (Start > Panel sterowania)** i kliknij opcję **Programs and Features (Programy i funkcje)**.
2. Z listy zainstalowanych programów wybierz **ABBYY FineReader PDF** i kliknij opcję **Change (Zmień)**.
3. W wyświetlonym oknie dialogowym **Program Maintenance (Konserwacja programu)** wybierz opcję **Repair (Napraw)** i kliknij opcję **Next (Dalej)**.
4. Postępuj zgodnie ze wskazówkami kreatora.

## Naprawa programu ABBYY FineReader PDF 16 za pomocą wiersza poleceń

Wykonaj poniższe polecenie na stacji roboczej:

**msiexec /f {kod produktu}**

i w zależności od typu instalacji oraz architektury Windows wybierz jedno z następujących zamiast {kod produktu}:

	<b>x86</b>	<b>x64</b>
<b>Instalacja podstawowa /pełna</b>	{F15000FE-0001-0000-0000-074957833700}	{F15000FE-0001-6400-0000-074957833700}
<b>Instalacja SLE</b>	{F15000BE-0001-0000-0000-074957833700}	{F15000BE-0001-6400-0000-074957833700}

Np.:

**msiexec /f {F15000FE-0001-0000-0000-074957833700}**

## Jak zmienić nazwę komputera z zainstalowaną usługą License Server lub przenieść ją na inny komputer?

Jeśli program ABBYY FineReader został zainstalowany w sieci lokalnej, a następnie została zmieniona nazwa komputera zawierającego usługę License Server lub wystąpił na nim nieoczekiwany błąd, należy wykonać następujące czynności:

1. Usuń usługę License Server z komputera, na którym była zainstalowana.

**Uwaga:** Jeśli do komputera nie ma dostępu, przejdź do punktu 2.

1.1. W menu **Start > Control Panel (Start > Panel sterowania)** wybierz opcję **Programs and Features (Programy i funkcje)**.

1.2. Z listy zainstalowanych programów wybierz pozycję **ABBYY FineReader PDF License Server** i kliknij opcję **Remove (Usuń)**.

2. Zainstaluj usługę License Server na innym komputerze, np. **\\NewServer**.

3. Na wszystkich komputerach, na których zainstalowano usługę License Manager, edytuj lub dodaj parametr

**[Licensing]**

NetworkServerName= <COMPUTER NAME> w pliku

%Program Files%\ABBYY FineReader PDF License Server\LicenseManager.ini

Parametr ten umożliwia podanie nazwy serwera, który ma być dostępny dla usługi License Manager. Na przykład wpisz

**[Licensing]**

**NetworkServerName=MyComputerName**

**Ważne!** Aby wprowadzić zmiany, ponownie uruchom usługę ABBYY FineReader PDF Licensing Service.

4. Dodaj i aktywuj swoje licencje w narzędziu ABBYY FineReader PDF License Manager. Szczegółowe informacje na ten temat znajdują się w pliku pomocy narzędzia ABBYY FineReader License Manager.

**Uwaga:** Jeśli używane są licencje stanowiskowe, zalecamy przywrócenie ich stanu przed dodaniem ich do Menedżera licencji.

5. W administracyjnym punkcie instalacyjnym przejdź do folderu programu ABBYY FineReader PDF i utwórz w nim plik **Licensing.ini**.

Ścieżkę dostępu do administracyjnego folderu instalacyjnego określono wcześniej, podczas tworzenia administracyjnego punktu instalacyjnego. Szczegółowe informacje znajdują się w temacie [Tworzenie administracyjnego punktu instalacyjnego](#)<sup>[13]</sup>.

6. W utworzonym pliku **Licensing.ini** dodaj parametr **NetworkServerName** do sekcji **[Licensing]**.  
 Parametr ten służy do określania nazwy serwera, np.  
**[Licensing]**  
**NetworkServerName=MyComputerName**
7. Ponownie zainstaluj program ABBYY FineReader na stacji roboczej.  
 Aby uzyskać więcej informacji, zobacz [Instalacja programu ABBYY FineReader 16 na stacjach roboczych](#)<sup>21</sup>.
8. Utworzony zostanie plik o nazwie **<NAZWA KOMPUTERA>.ABBYY.LicServer**. **<NAZWA KOMPUTERA>** jest wartością parametru **NetworkServerName**. Oto przykład:  
 NazwaMojegoKomputera.ABBYY.LicServer.  
 Skopiuj plik **<NAZWA KOMPUTERA>.ABBYY.LicServer** do pozostałych stacji roboczych. Plik ten można znaleźć w następującej lokalizacji:  
**%programdata%\ABBYY\FineReader\16\Licenses** w systemie Windows 10 lub nowszym.

## Pomoc techniczna

W przypadku pytań dotyczących instalacji i korzystania z programu ABBYY FineReader PDF, na które nie można znaleźć odpowiedzi w niniejszym Podręczniku administratora systemu, należy się skontaktować z działem pomocy technicznej firmy ABBYY lub jej partnerami handlowymi. Dane kontaktowe znajdują się na stronie <https://www.abbyy.com/support/>.

## Oprogramowanie innej firmy

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In your requests please include the following reference number "FR16 for Win, R3 – 02.03.2023"

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### ***google-diff-match-patch***

Google Inc.

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The Vulkan SDK

Only the following portions of the Vulkan SDK are contained in the Software:

(for Windows)

./Include/vulkan/GLSL.std.450.h, GLSL.std.450.h, MIT,,

./Include/vulkan/spirv.h, spirv.h, MIT,,

./Include/vulkan/spirv.hpp, spirv.hpp, MIT,,

./Include/vulkan/spirv.hpp11,spirv.hpp11,Apache-2.0,,  
 ./Include/vulkan/spirv.json,spirv.json,Apache-2.0,,  
 ./Include/vulkan/spirv.lua,spirv.lua,Apache-2.0,,  
 ./Include/vulkan/spirv.py,spirv.py,Apache-2.0,,  
 ./Include/vulkan/vk\_icd.h,vk\_icd.h,Apache-2.0,,  
 ./Include/vulkan/vk\_layer.h,vk\_layer.h,Apache-2.0,,  
 ./Include/vulkan/vk\_platform.h,vk\_platform.h,Apache-2.0,,  
 ./Include/vulkan/vk\_sdk\_platform.h,vk\_sdk\_platform.h,Apache-2.0,,  
 ./Include/vulkan/vulkan.h,vulkan.h,Apache-2.0,,  
 ./Include/vulkan/vulkan.hpp,vulkan.hpp,Apache-2.0,,  
 ./Include/vulkan/vulkan\_android.h,vulkan\_android.h,Apache-2.0,,  
 ./Include/vulkan/vulkan\_core.h,vulkan\_core.h,Apache-2.0,,  
 ./Include/vulkan/vulkan\_fuchsia.h,vulkan\_fuchsia.h,Apache-2.0,,  
 ./Include/vulkan/vulkan\_ggp.h,vulkan\_ggp.h,Apache-2.0,,  
 ./Include/vulkan/vulkan\_ios.h,vulkan\_ios.h,Apache-2.0,,  
 ./Include/vulkan/vulkan\_macos.h,vulkan\_macos.h,Apache-2.0,,  
 ./Include/vulkan/vulkan\_metal.h,vulkan\_metal.h,Apache-2.0,,  
 ./Include/vulkan/vulkan\_vi.h,vulkan\_vi.h,Apache-2.0,,  
 ./Include/vulkan/vulkan\_wayland.h,vulkan\_wayland.h,Apache-2.0,,  
 ./Include/vulkan/vulkan\_win32.h,vulkan\_win32.h,Apache-2.0,,  
 ./Include/vulkan/vulkan\_xcb.h,vulkan\_xcb.h,Apache-2.0,,  
 ./Include/vulkan/vulkan\_xlib.h,vulkan\_xlib.h,Apache-2.0,,  
 ./Include/vulkan/vulkan\_xlib\_xrandr.h,vulkan\_xlib\_xrandr.h,Apache-2.0,,

(for Linux)

./x86\_64/include/vulkan/vk\_icd.h,vk\_icd.h,Apache-2.0,,  
 ./x86\_64/include/vulkan/vk\_layer.h,vk\_layer.h,Apache-2.0,,  
 ./x86\_64/include/vulkan/vk\_platform.h,vk\_platform.h,Apache-2.0,,  
 ./x86\_64/include/vulkan/vk\_sdk\_platform.h,vk\_sdk\_platform.h,Apache-2.0,,  
 ./x86\_64/include/vulkan/vulkan.h,vulkan.h,Apache-2.0,,  
 ./x86\_64/include/vulkan/vulkan.hpp,vulkan.hpp,Apache-2.0,,  
 ./x86\_64/include/vulkan/vulkan\_android.h,vulkan\_android.h,Apache-2.0,,



./x86\_64/include/vulkan/vulkan\_core.h,vulkan\_core.h,Apache-2.0,,  
 ./x86\_64/include/vulkan/vulkan\_fuchsia.h,vulkan\_fuchsia.h,Apache-2.0,,  
 ./x86\_64/include/vulkan/vulkan\_ggp.h,vulkan\_ggp.h,Apache-2.0,,  
 ./x86\_64/include/vulkan/vulkan\_ios.h,vulkan\_ios.h,Apache-2.0,,  
 ./x86\_64/include/vulkan/vulkan\_macos.h,vulkan\_macos.h,Apache-2.0,,  
 ./x86\_64/include/vulkan/vulkan\_metal.h,vulkan\_metal.h,Apache-2.0,,  
 ./x86\_64/include/vulkan/vulkan\_vi.h,vulkan\_vi.h,Apache-2.0,,  
 ./x86\_64/include/vulkan/vulkan\_wayland.h,vulkan\_wayland.h,Apache-2.0,,  
 ./x86\_64/include/vulkan/vulkan\_win32.h,vulkan\_win32.h,Apache-2.0,,  
 ./x86\_64/include/vulkan/vulkan\_xcb.h,vulkan\_xcb.h,Apache-2.0,,  
 ./x86\_64/include/vulkan/vulkan\_xlib.h,vulkan\_xlib.h,Apache-2.0,,  
 ./x86\_64/include/vulkan/vulkan\_xlib\_xrandr.h,vulkan\_xlib\_xrandr.h,Apache-2.0,,

(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,,  
 ./macOS/include/vulkan/vk\_platform.h,vk\_platform.h,Apache-2.0,,  
 ./macOS/include/vulkan/vk\_sdk\_platform.h,vk\_sdk\_platform.h,Apache-2.0,,  
 ./macOS/include/vulkan/vulkan.h,vulkan.h,Apache-2.0,,  
 ./macOS/include/vulkan/vulkan.hpp,vulkan.hpp,Apache-2.0,,  
 ./macOS/include/vulkan/vulkan\_android.h,vulkan\_android.h,Apache-2.0,,  
 ./macOS/include/vulkan/vulkan\_core.h,vulkan\_core.h,Apache-2.0,,  
 ./macOS/include/vulkan/vulkan\_fuchsia.h,vulkan\_fuchsia.h,Apache-2.0,,  
 ./macOS/include/vulkan/vulkan\_ggp.h,vulkan\_ggp.h,Apache-2.0,,  
 ./macOS/include/vulkan/vulkan\_ios.h,vulkan\_ios.h,Apache-2.0,,  
 ./macOS/include/vulkan/vulkan\_macos.h,vulkan\_macos.h,Apache-2.0,,  
 ./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,,  
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### ***zlib-1.2.7***

/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.7, May 2nd, 2012

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

\*/

### ***Part of OpenCV - Zlib 1.2.8***

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

/\* zlib.h -- interface of the 'zlib' general purpose compression library  
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### ***zlib (for Pdium) 1.2.13***

zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.13, October 13th, 2022

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