

# **ABBYY® FineReader PDF 15**

Podręcznik administratora systemu

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[Prawa autorskie](#) 

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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 15 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>[60]</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 15 przy użyciu zasady grupy](#)<sup>[52]</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 15 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 15 w sieci LAN (instalacja na więcej niż jednym komputerze)

Program ABBYY FineReader PDF 15 może być instalowany i użytkowany w lokalnej sieci.

Automatyczny proces instalacji zapewnia szybkość i elastyczność w przypadku instalacji programu ABBYY FineReader PDF 15 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 8.1 (lub nowszy).

Proces instalacji składa się z następujących czynności:

## 1. Instalacja administracyjna

- Instalacja usługi ABBYY FineReader PDF 15 License Server oraz narzędzia ABBYY FineReader PDF 15 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 15 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>[60]</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 15 License Manager.

Aby podczas instalacji i używania programu ABBYY FineReader PDF 15 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>[14]</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 15 na stacjach roboczych](#)<sup>18</sup>.

**Uwaga.** 32-bitowej wersji programu ABBYY FineReader PDF 15 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 15`) 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 15 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 10, Microsoft Windows 8.1, 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 10, Microsoft Windows 8.1, 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**

1. Procesor 1 GHz lub szybszy, 32-bitowy (x86) lub 64-bitowy (x64) z zestawem rozkazów SSE2.
2. System operacyjny: Microsoft Windows 10, Microsoft Windows 8.1, Microsoft Windows Server 2019, Microsoft Windows Server 2016, Microsoft Windows Server 2012 R2 (aby poprawnie współpracować z interfejsami zlokalizowanymi, system operacyjny musi obsługiwać dany język).
3. 1 GB pamięci RAM (zalecane 4 GB) W przypadku komputerów wieloprotocessorowych na każdy dodatkowy procesor wymagane jest 512 MB pamięci RAM.
4. 1.5 GB do instalacji wszystkich komponentów programu; 1.5 GB do prawidłowego działania programu.
5. Karta graficzna i monitor obsługujące rozdzielczość min. 1024x768.
6. Klawiatura i mysz lub inne urządzenie wskazujące.

## **Instalacja administracyjna z serwera licencji i menedżera licencji**

## Instalacja usług License Server i License Manager

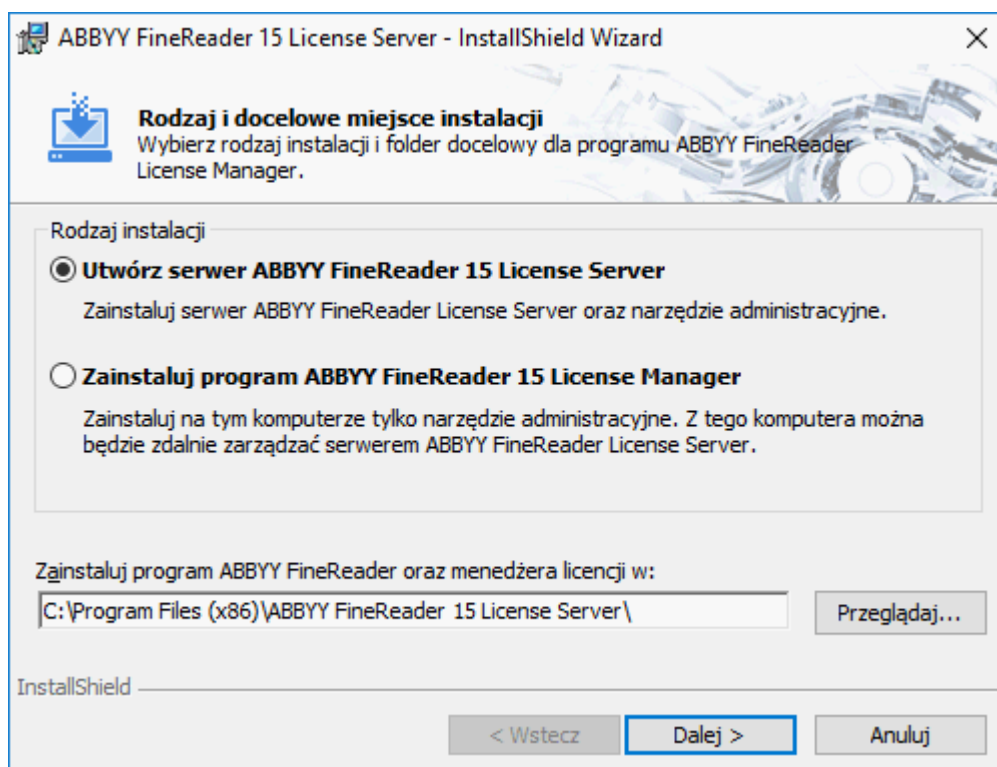
1. Uruchom plik **AutoRun.exe** z folderu instalacyjnego i wybierz opcję **Instalacja zbiorcza > Zainstaluj i aktywuj przy użyciu Menedżera licencji > Krok 1. Zainstaluj Serwer licencji i Menedżera licencji.**

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 15 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 15, 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\15\Licensing\NetworkLicenseServer.ini** (lub **%commonprogramfiles(x86)%\ABBYY\FineReader\15\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 15 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: **Setup.exe /a.**

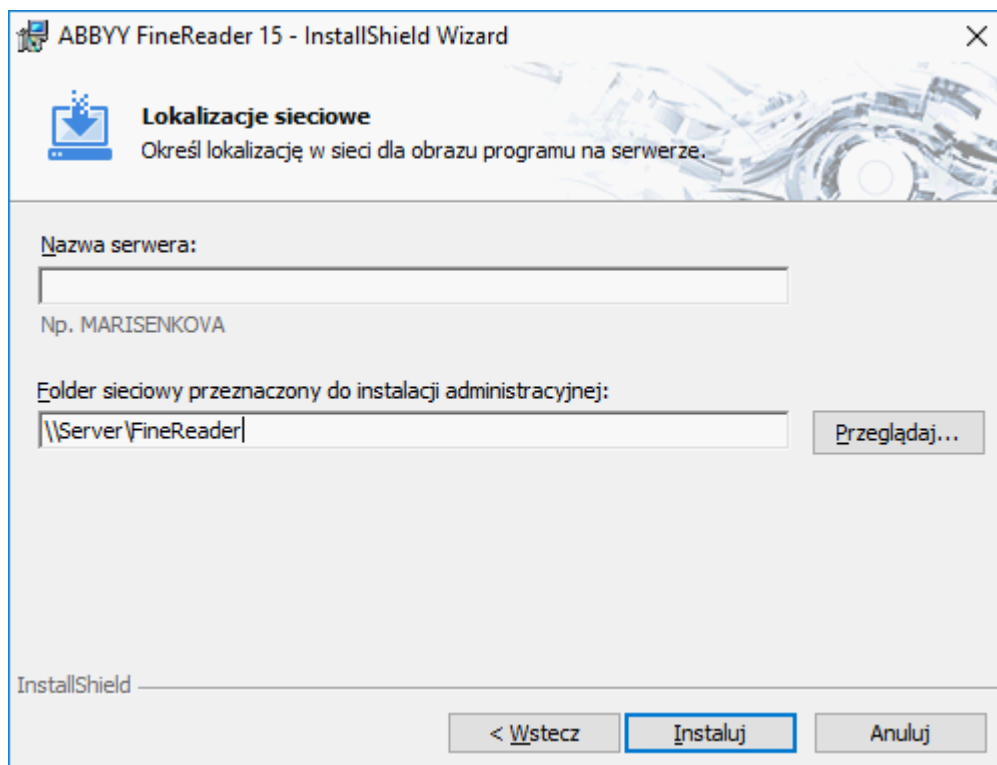
**Uwaga:** zobacz [Dodatkowe opcje wiersza poleceń do cichej instalacji](#)<sup>[19]</sup>, aby poznać dodatkowe opcje instalacji przy użyciu wiersza poleceń.

2. Postępuj zgodnie ze wskazówkami programu instalacyjnego.

Gdy program instalacyjny wyświetli monit, podaj:

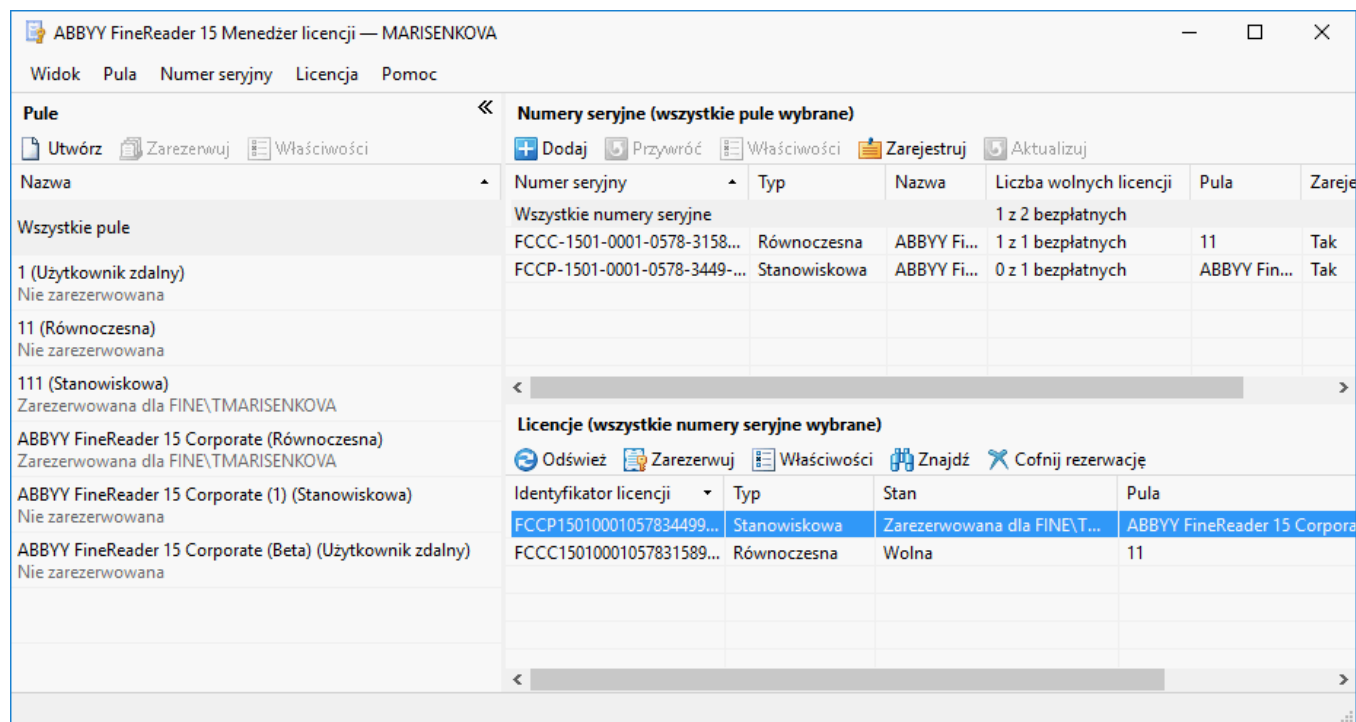
- Nazwę komputera, na którym ma zostać zainstalowany serwer licencji  
**Uwaga:** Zamiast nazwy serwera można użyć jego adresu IP.
- Ścieżkę do administracyjnego folderu instalacyjnego

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



# Zarządzanie licencjami

ABBYY FineReader PDF 15 License Manager to specjalna aplikacja dołączona do programu ABBYY FineReader PDF 15, która służy do zarządzania licencjami tego programu. Aplikację tę instaluje się na stacji administracji licencjami podczas instalowania programu ABBYY FineReader PDF 15 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 15 License Manager:

## 1. Dodaj licencje do usługi ABBYY FineReader PDF 15 License Manager.

Licencja programu ABBYY FineReader PDF 15 (lub grupa licencji) ma identyfikujący ją niepowtarzalny numer seryjny. Aby aktywować licencję i dodać ją do usługę ABBYY FineReader PDF 15 License Manager, należy aktywować jej numer seryjny.

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

Pula licencji to zbiór licencji lub numerów seryjnych o takim samym zakresie zastosowań. Pule 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 15 na stacjach roboczych należy rozesłać licencje między stacje robocze / użytkowników w Menedżerze licencji programu ABBYY FineReader PDF 15. 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 15 na stacjach roboczych. Aby utworzyć lub usunąć powiązanie stacji roboczej po zainstalowaniu na niej programu ABBYY FineReader PDF 15, konieczne jest usunięcie programu z tej stacji. Aby przenieść licencję pojedynczą z jednej stacji roboczej na inną po zainstalowaniu programu ABBYY FineReader PDF 15, należy dezaktywować tę licencję. Liczba dozwolonych dezaktywacji jest ograniczona.

Więcej informacji na temat typów licencji i pracy z programem ABBYY FineReader PDF 15 License Manager znajduje się w pliku pomocy usługi ABBYY FineReader PDF 15 License Manager.

## 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>[17]</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 15 na stacjach roboczych](#)<sup>[18]</sup>.

**Uwaga:** 32-bitowej wersji programu ABBYY FineReader PDF 15 nie można zainstalować w systemie 64-bitowym. To samo dotyczy wersji 64-bitowej w systemie 32-bitowym.

## Wymogi administracyjnego folderu instalacyjnego

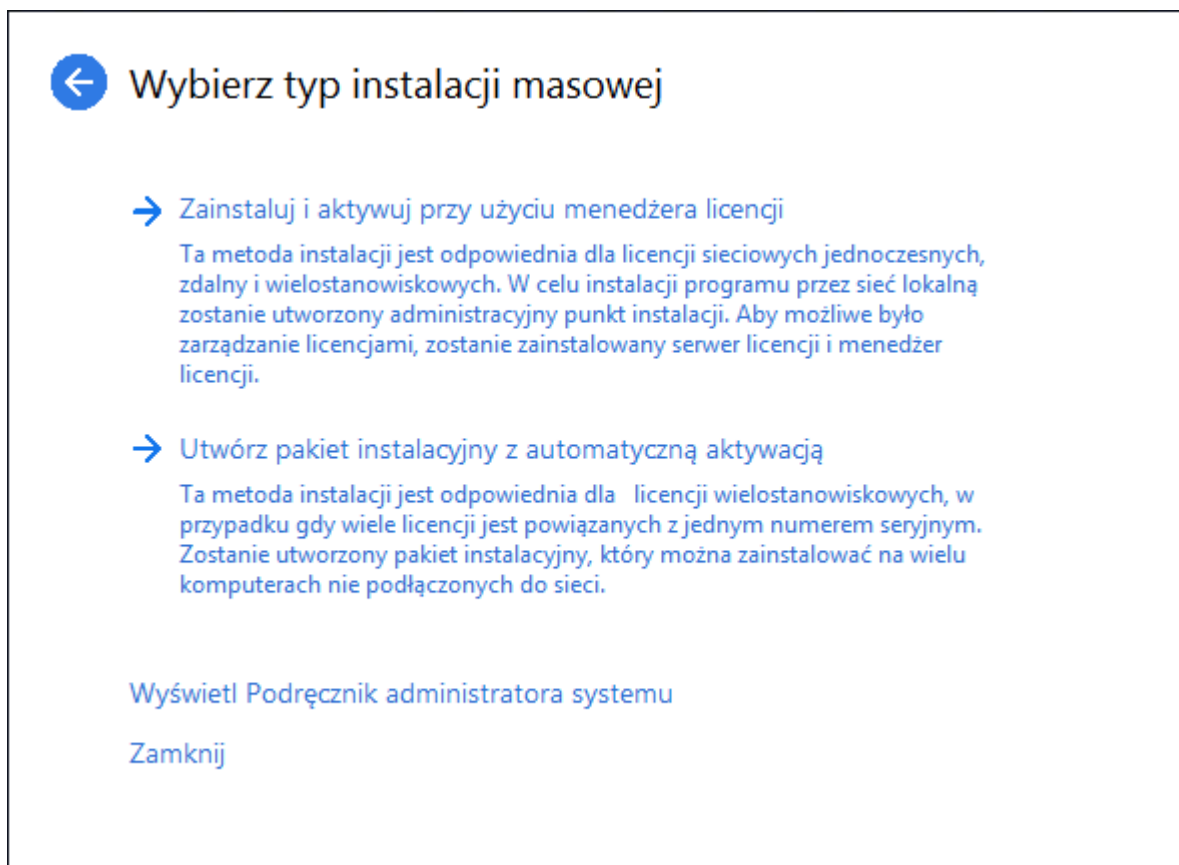
1. Utworzenie administracyjnego punktu instalacyjnego wymaga 1.5 GB wolnego miejsca na dysku.
2. Należy nadać uprawnienia do przeglądania administracyjnego folderu instalacyjnego (np. \\MyFileServer\Programs Distributions\ABBYY FineReader PDF 15) wszystkim użytkownikom, na których komputerach ma zostać 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 15 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: **Setup.exe /a.**

**Uwaga:** w artykule [Dodatkowe opcje wiersza poleceń do instalacji cichej](#)<sup>[22]</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 15 na stacjach roboczych

**Ważne!** Przed przystąpieniem do instalacji oprogramowania ABBYY FineReader PDF 15 na stacjach roboczych, musisz najpierw:

- utworzyć punkt instalacji administracyjnej i skonfigurować licencje za pomocą narzędzia ABBYY FineReader PDF 15 License Manager (zob. [Instalacja usług License Server i License Manager](#)<sup>[11]</sup>, [Tworzenie administracyjnego punktu instalacyjnego](#)<sup>[13]</sup>, [Zarządzanie licencjami](#)<sup>[14]</sup>).

**Uwaga:** Stacja robocza uzyska pojedynczą licencję i zostanie związana z serwerem tylko wówczas, gdy program ABBYY FineReader PDF 15 zostanie na niej zainstalowany zgodnie z konfiguracją licencji w momencie instalacji.

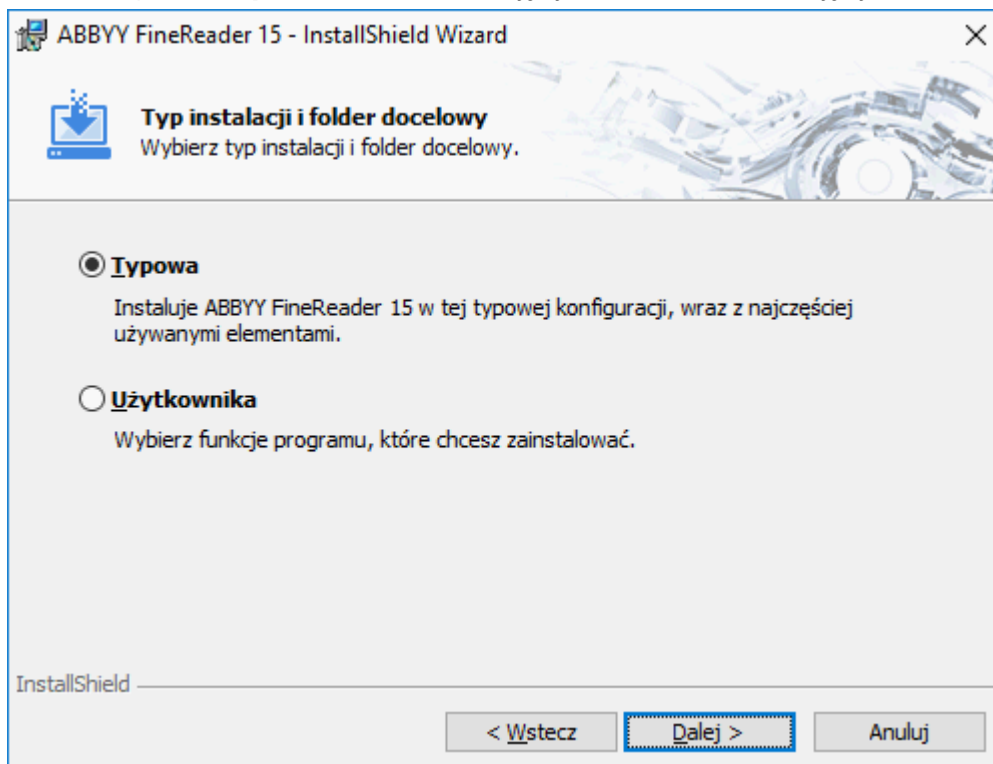
lub

- utworzyć punkt instalacji administracyjnej dla wielu użytkowników (zob. [Instalowanie pakietu dystrybucyjnego dla wielu użytkowników z licencjami jednoosobowymi](#)<sup>[15]</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>[15]</sup>).
2. Uruchom plik **setup.exe** w administracyjnym folderze instalacyjnym.



3. Postępuj zgodnie ze wskazówkami kreatora instalacji.

## 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>[15]</sup>).
2. Uruchom plik **setup.exe** w administracyjnym folderze instalacyjnym, używając niżej podanych parametrów wiersza poleceń.

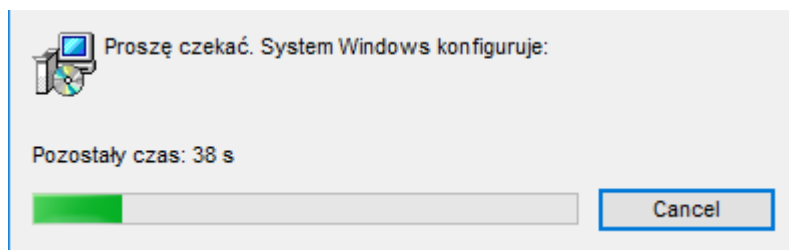
## Instalacja cicha

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 15 przy użyciu Instalatora Windows, wykonaj następujące polecenie w wierszu poleceń:

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

Element %ścieżkadopliku% to ścieżka do pliku **ABBYY FineReader 15 x64.msi** w systemach 64-bitowych lub **ABBYY FineReader 15.msi** w systemach 32-bitowych.

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

**Ważne!** ABBYY FineReader PDF 15 nie można zainstalować w trybie interaktywnym przy pomocy Instalatora Windows.

Aby zainstalować ABBYY FineReader PDF 15, 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>[15]</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

Opcja /L<language code> wyłącza automatyczny wybór języka interfejsu i instaluje program ABBYY FineReader z językiem interfejsu podanym w wierszu poleceń.

Możliwe **kody języka\***:

- 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.

Opcja /V" <wiersz polecenia>" przekazuje dany wiersz polecenia bezpośrednio do programu **msiexec.exe**.

/a – powoduje utworzenie administracyjnego punktu instalacyjnego

Zamiast wyrażenia „wiersz polecenia” można podać następujące parametry:

INSTALLDIR=" <ścieżka>"	Określa ścieżkę dostępu do folderu, w którym zostanie zainstalowany program ABBYY FineReader PDF 15.
EXPLORER_INTEGRATION=0	Nie zezwala na integrację programu ABBYY FineReader PDF 15 z Eksploratorem Windows.
SHCTDESKTOP=0	Wyłącza tworzenie na pulpicie ikony programu ABBYY FineReader PDF 15.
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 15 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 15 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.
LIC_SERVER_NAME= <ścieżka>	Określa ścieżkę dostępu do serwera licencji.
ADMIN_SETUP=Nr seryjny/Serwer	<p>Tworzy administracyjny punkt instalacyjny wybranego typu:  <b>ADMIN_SETUP=Nr seryjny</b></p> <p>Wyświetla okno dialogowe, w którym można wprowadzić numer seryjny dla automatycznej aktywacji.</p> <p><b>ADMIN_SETUP=Serwer</b></p> <p>Wyświetla okno dialogowe, w którym można wprowadzić adres Serwera Licencji.</p> <p><b>Uwaga:</b> Parametr ADMIN_SETUP należy przekazać do programu setup.exe wyłącznie za pomocą kombinacji klawiszy „/a /v”.</p>
EULA_ACCEPTED=1	Wyłącz wyświetlanie Umowy Licencyjnej (EULA) programu ABBYY FineReader PDF 15. Zostanie uznane, że zaakceptowano Umowę licencyjną (EULA) i Politykę prywatności.

Np.:

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



To polecenie spowoduje zainstalowanie programu ABBYY FineReader PDF 15 w folderze C:\ABBYY FineReader PDF 15. Menu, okna dialogowe i inne elementy interfejsu użytkownika będą w języku rosyjskim. 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.

## Odinstalowanie programu ABBYY FineReader PDF 15 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}**:

	x86	x64
<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 /x {F15000FE-0001-0000-0000-074957833700}**

## 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.

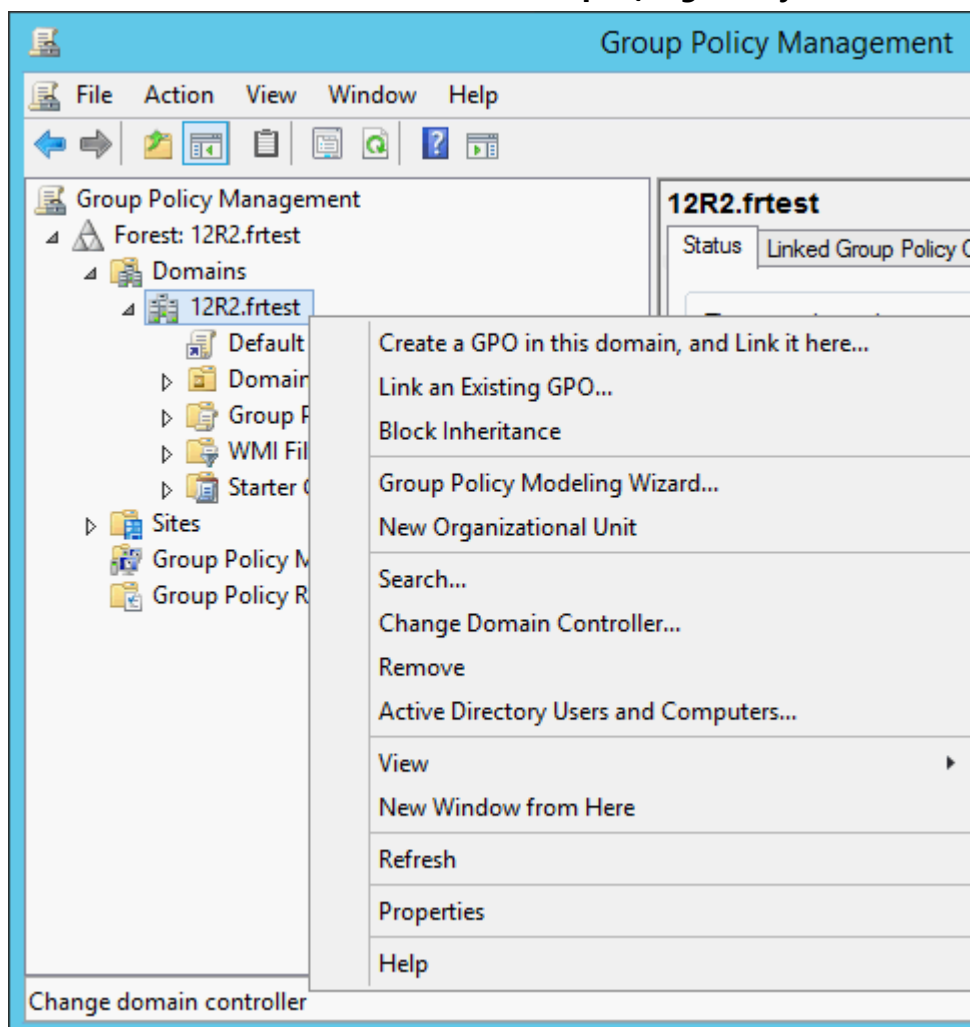
## Przykład: instalacja programu ABBYY FineReader PDF 15 przy użyciu Active Directory

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

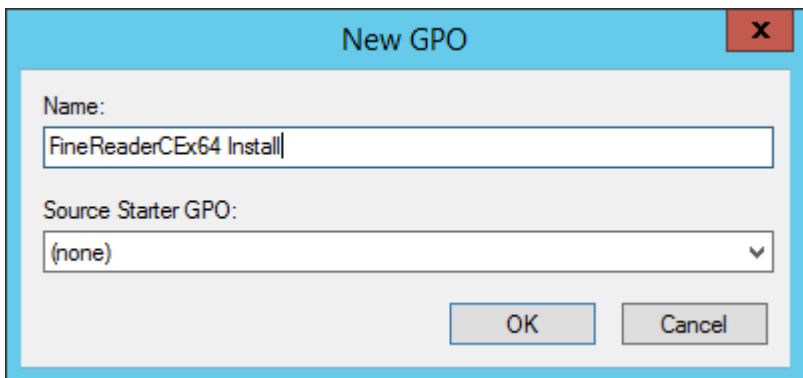
1. Utwórz administracyjny punkt instalacyjny (patrz [Instalacja administracyjna z serwera licencji i menedżera licencji](#)<sup>[10]</sup>) lub punkt instalacyjny dla wielu użytkowników (patrz [Instalowanie pakietu dystrybucyjnego dla wielu użytkowników z licencjami jednostanowiskowymi](#)<sup>[15]</sup>).

**Uwaga:** W przypadku instalowania programu ABBYY FineReader PDF 15 za pomocą usługi Active Directory, konta komputerów należących do domeny muszą mieć prawa do odczytu administracyjnego folderu instalacyjnego.

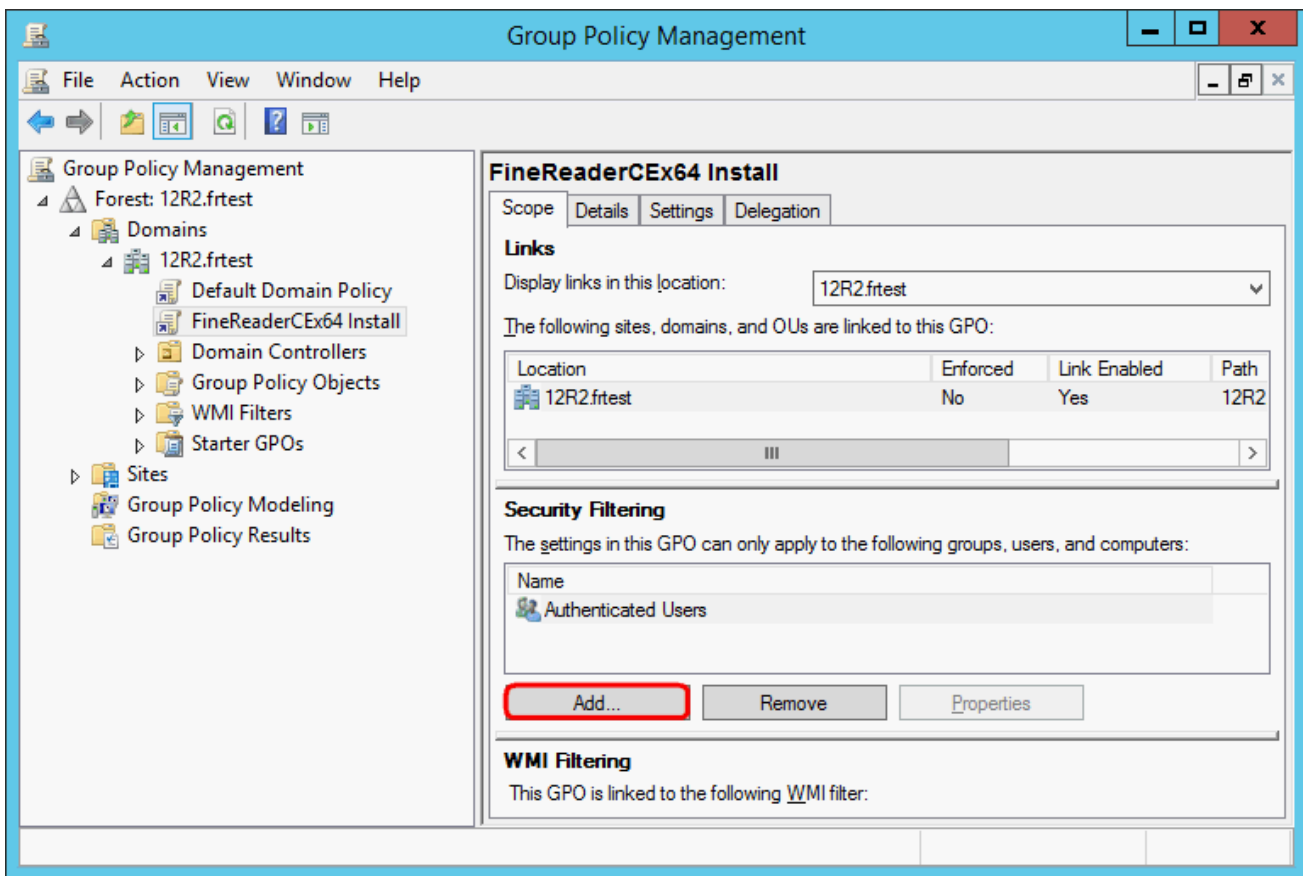
2. Uruchom **Group Policy Management Console (Konsolę zarządzania polityką grupy) (gpmc.msc)**.
3. W drzewie po lewej stronie wybierz miejsce, domenę lub inną jednostkę organizacyjną, która jest właścicielem komputera lub grupy komputerów. FineReader zostanie zainstalowany na tych komputerach.
4. Kliknij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



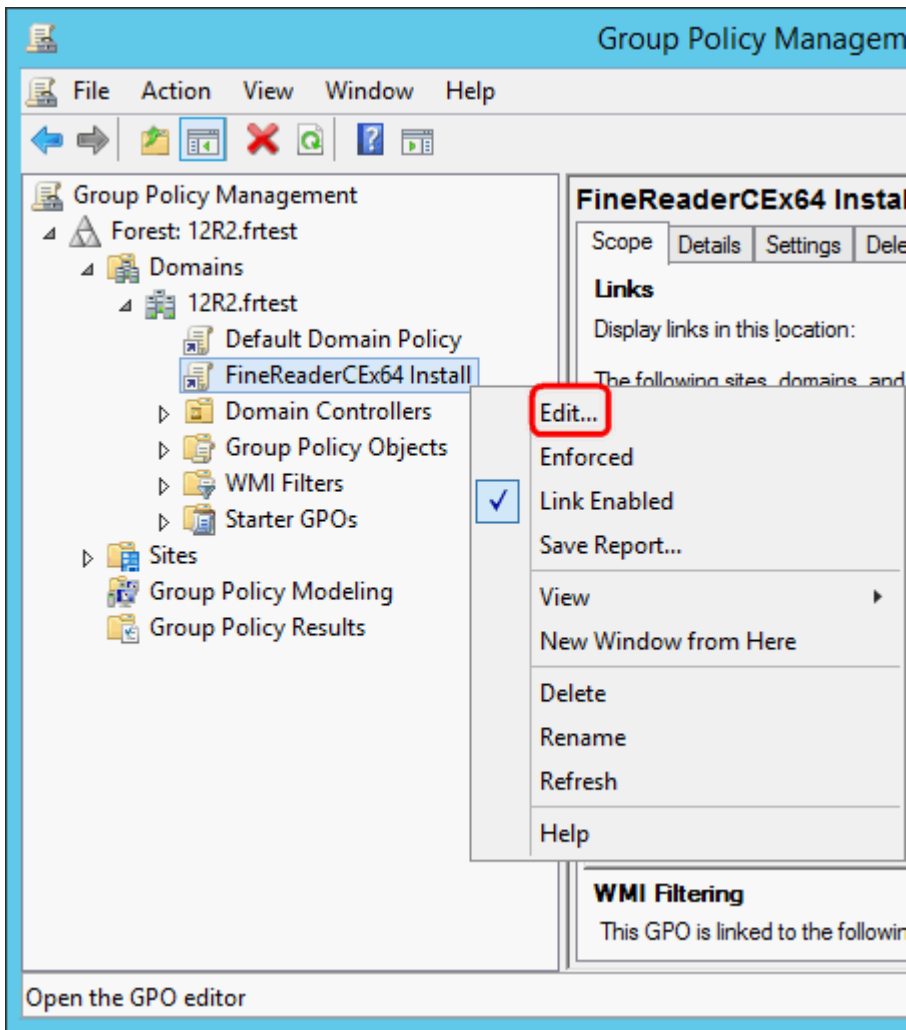
5. Wprowadź opisową nazwę i kliknij przycisk **OK**.



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 15.

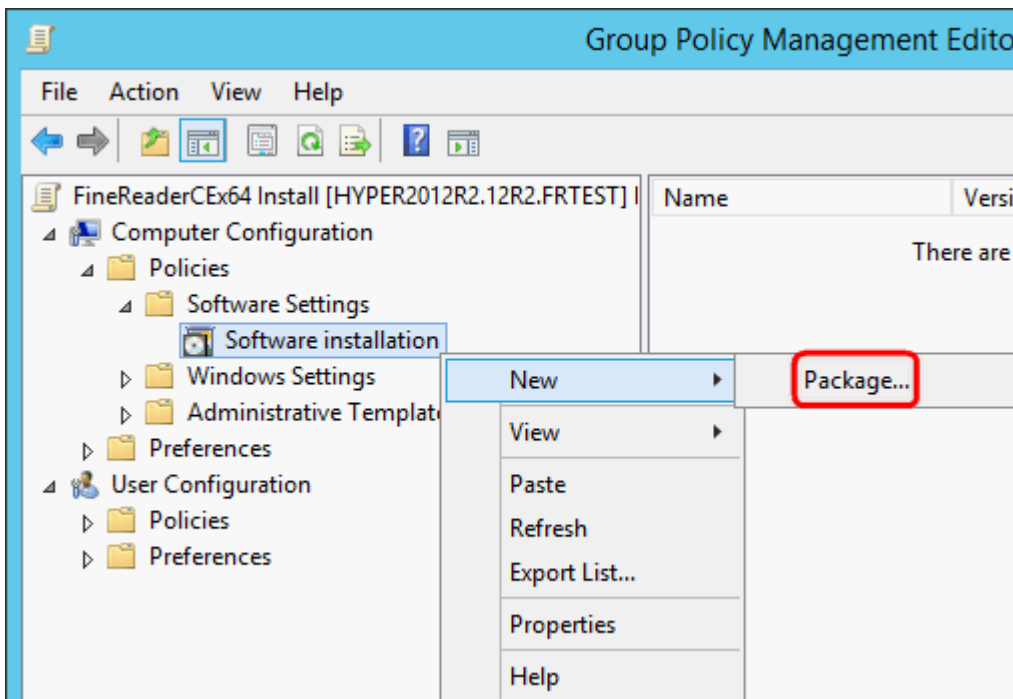


7. Kliknij prawym przyciskiem myszy utworzony obiekt polityki grupy (GPO) i kliknij pozycję **Edit...** (**Edytuj...**) w menu skrótów



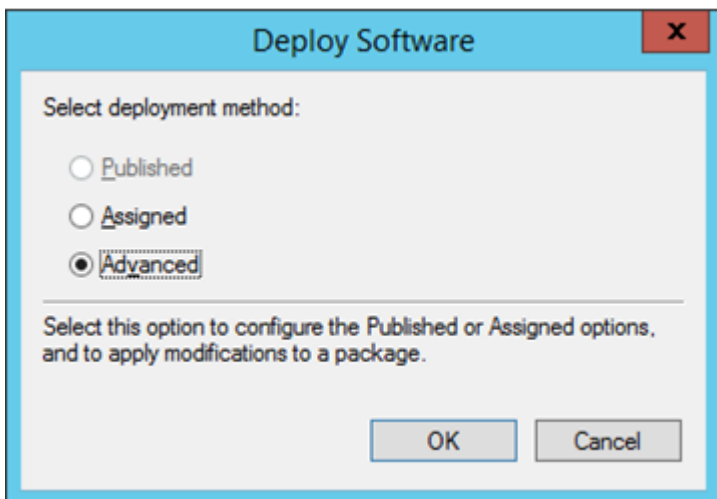
8. W oknie dialogowym **Group Policy Management Editor (Edytor zarządzania polityką grupy)**, kliknij pozycję **Computer Configuration>Policies>Software Settings>Software installation** (**Konfiguracja komputera>Polityka>Parametry oprogramowania>Instalacja oprogramowania**).

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

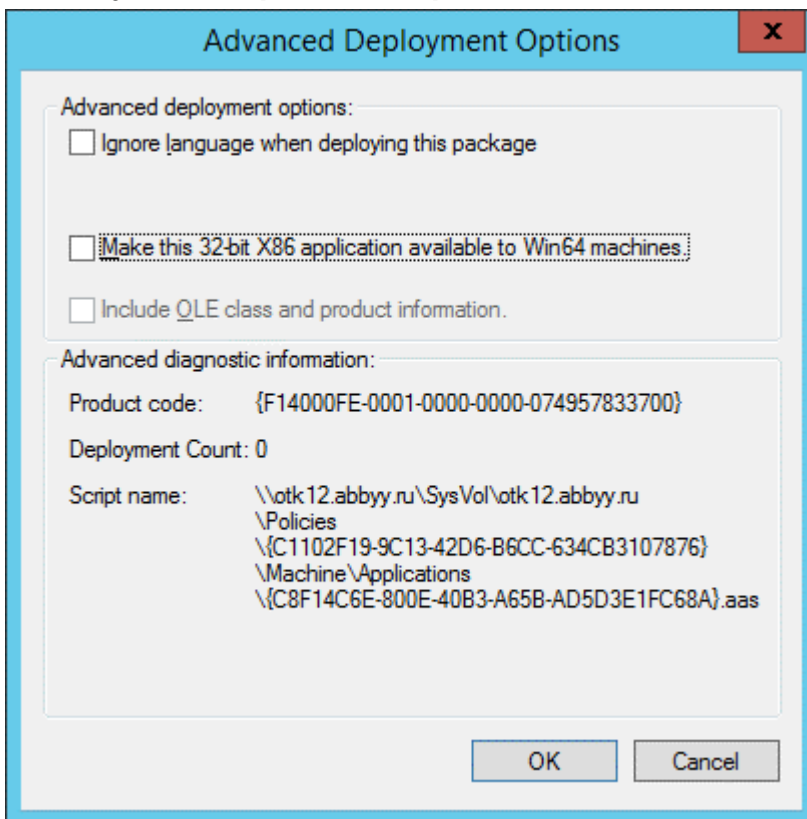


10. Wprowadź ścieżkę sieciową do pliku **ABBYY FineReader 15.msi** (przy instalacji w systemie 32-bitowym) lub do pliku **ABBYY FineReader 15 x64.msi** (w przypadku instalacji w systemach 64-bitowych). Powyższe pliki znajdują się w folderze instalacyjnym programu ABBYY FineReader PDF 15 na serwerze.

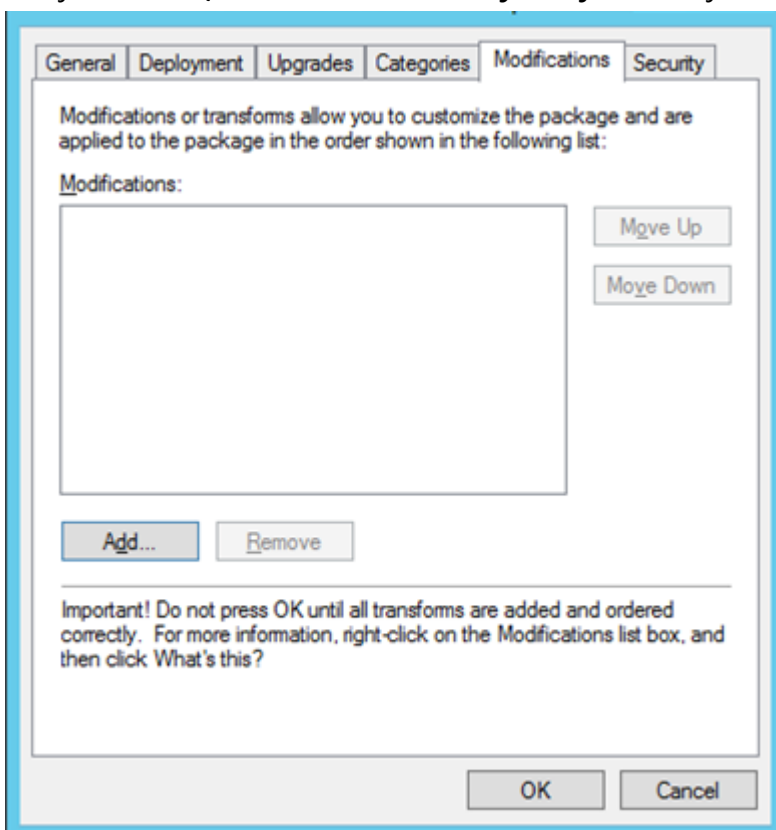
11. Wybierz **Advanced (Zaawansowaną)** metodę instalacji.



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
15. 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 15 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.

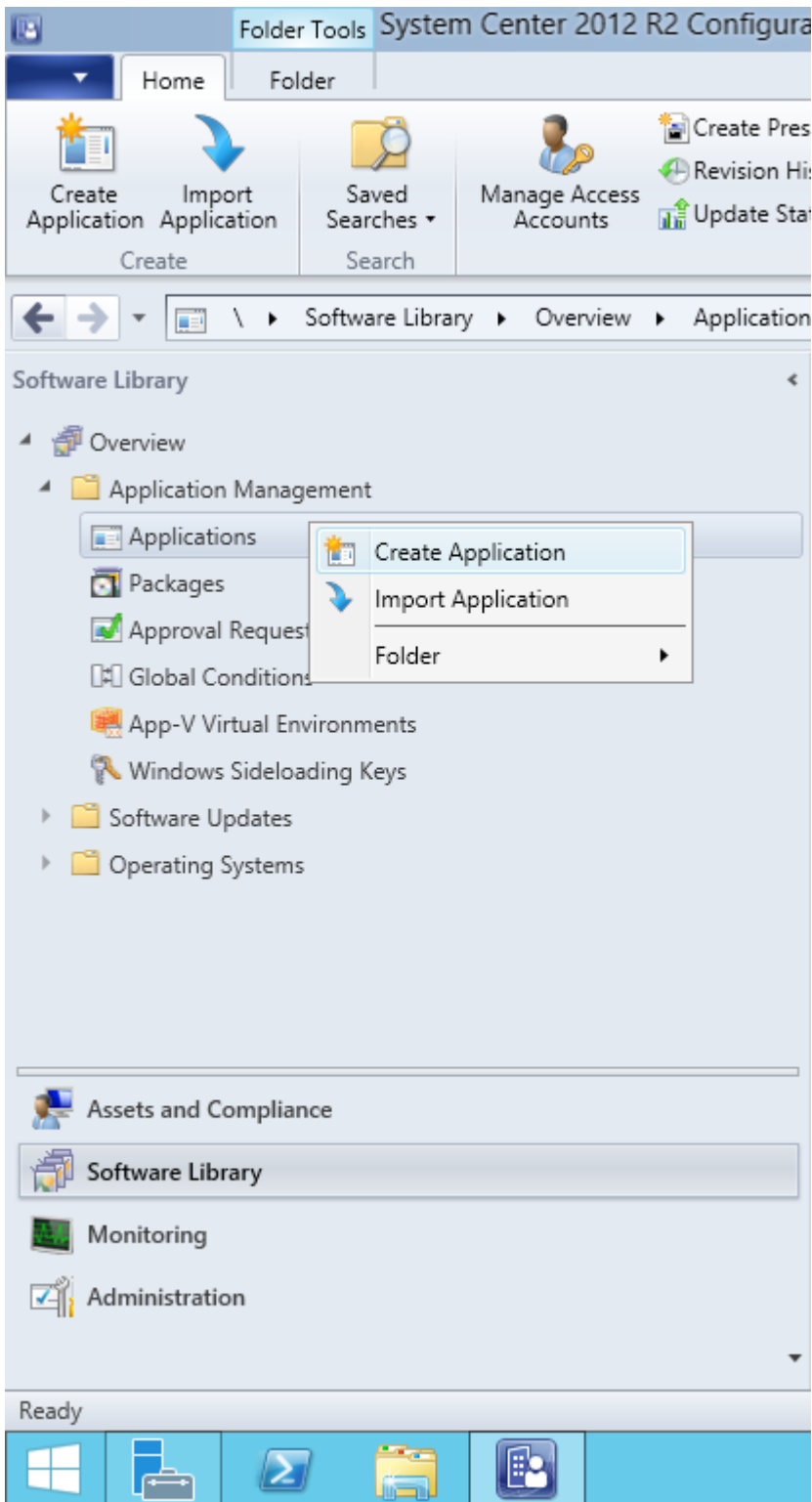


## Przykład: Instalacja programu ABBYY FineReader PDF 15 przy użyciu programu SCCM

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

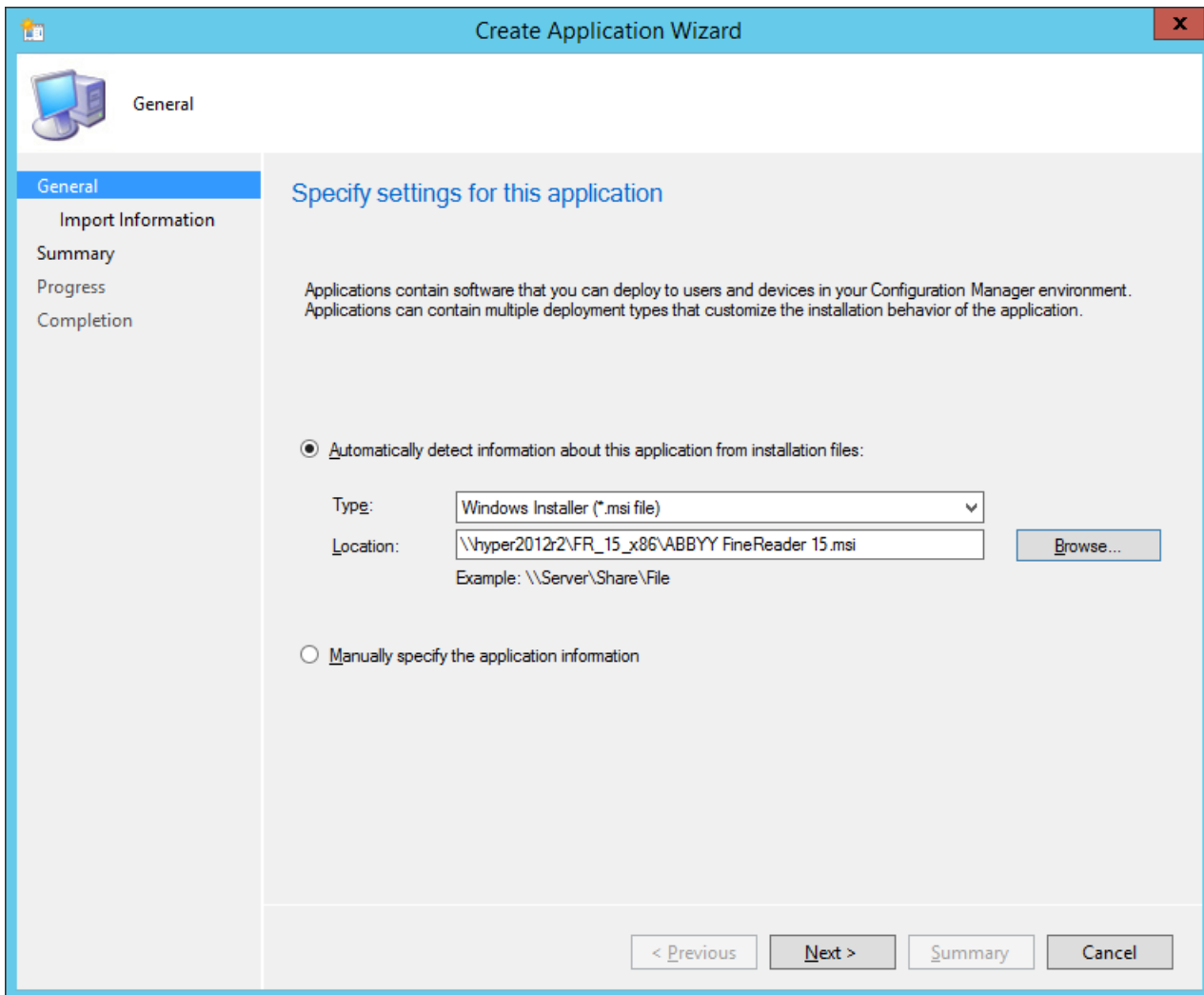
1. Utwórz administracyjny punkt instalacyjny (patrz [Instalacja administracyjna z serwera licencji i menedżera licencji](#)<sup>[10]</sup>) lub administracyjny punkt instalacyjny dla wielu użytkowników (patrz [Instalowanie pakietu dystrybucyjnego dla wielu użytkowników z licencjami jednostanowiskowymi](#)<sup>[15]</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)**.

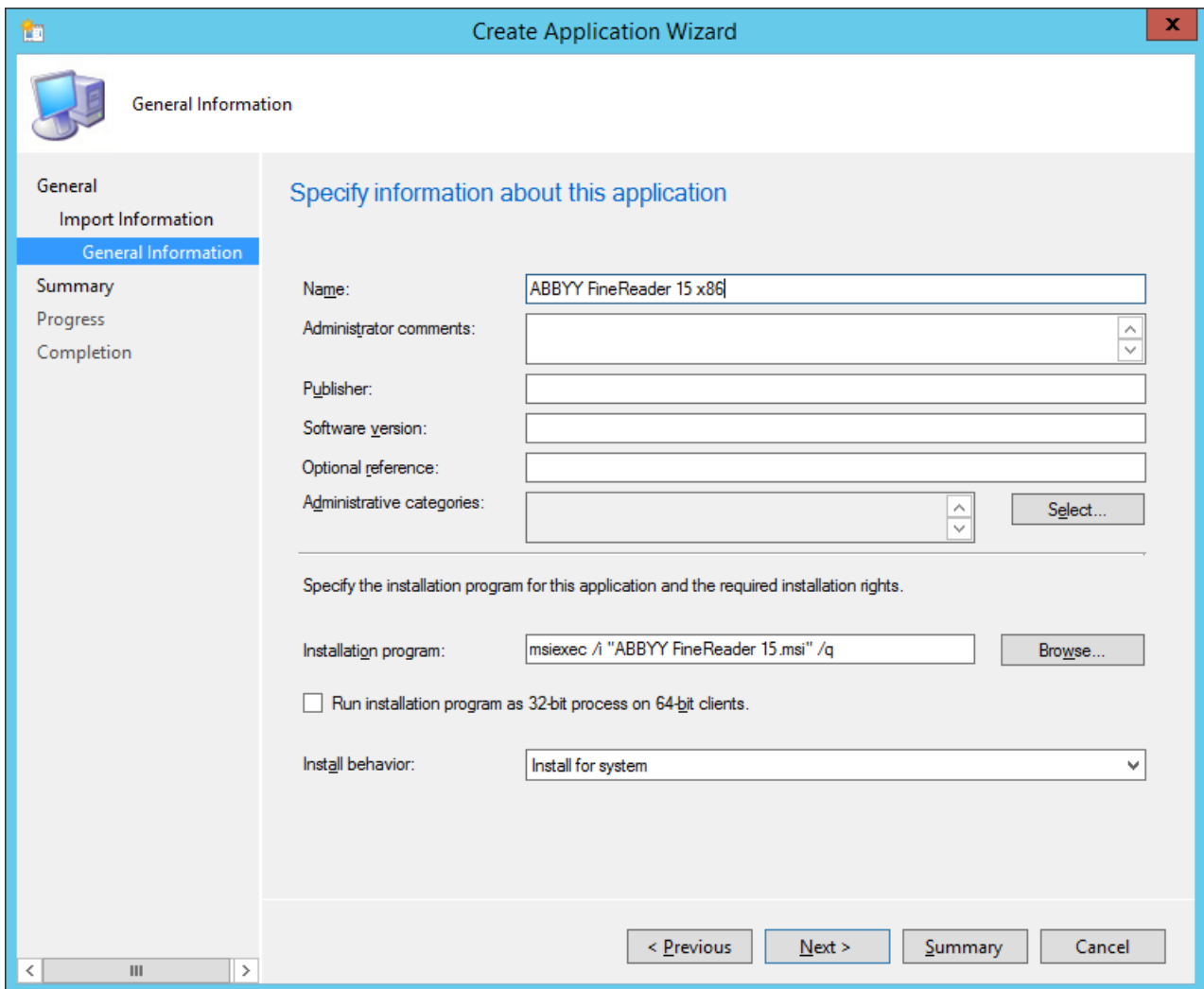


5. W oknie dialogowym **Create Application Wizard (Kreator tworzenia aplikacji)** wybierz **Automatically Detect information about this application from installation files (Automatycznie wykryj informacje o tej aplikacji z plików instalacyjnych)**. Wybierz **Windows Installer (plik instalatora Windows)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

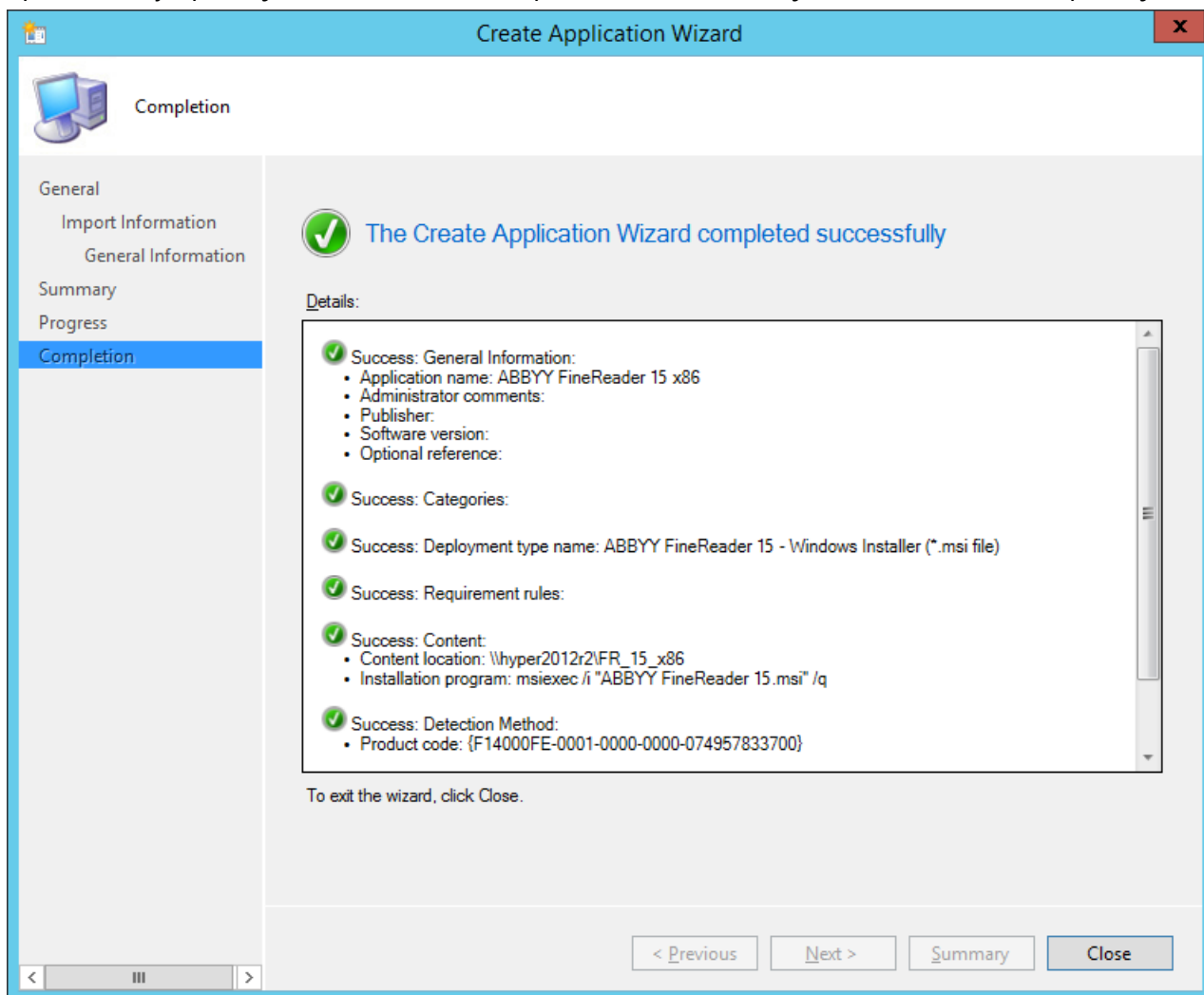
**Uwaga.** 32-bitowa wersja programu ABBYY FineReader PDF 15 nie może być zainstalowana na systemie 64-bitowym. To samo dotyczy wersji 64-bitowej w systemie 32-bitowym.

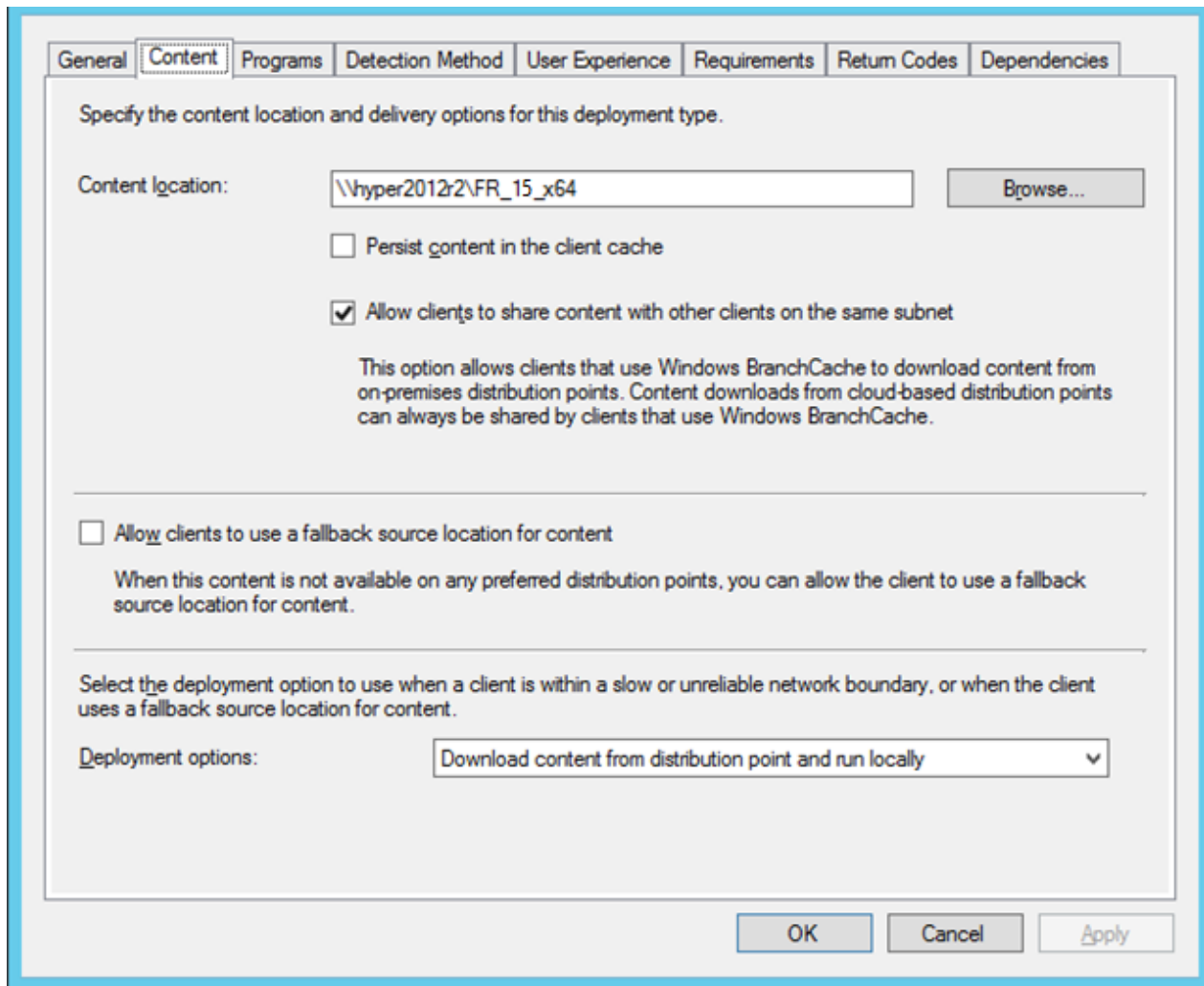


- Wprowadź wszystkie wymagane informacje o programie ABBYY FineReader PDF 15. Nie wprowadzaj żadnych zmian w polu **Installation Program (Instalacja program)**. Kliknij przycisk **Next (Dalej)**.



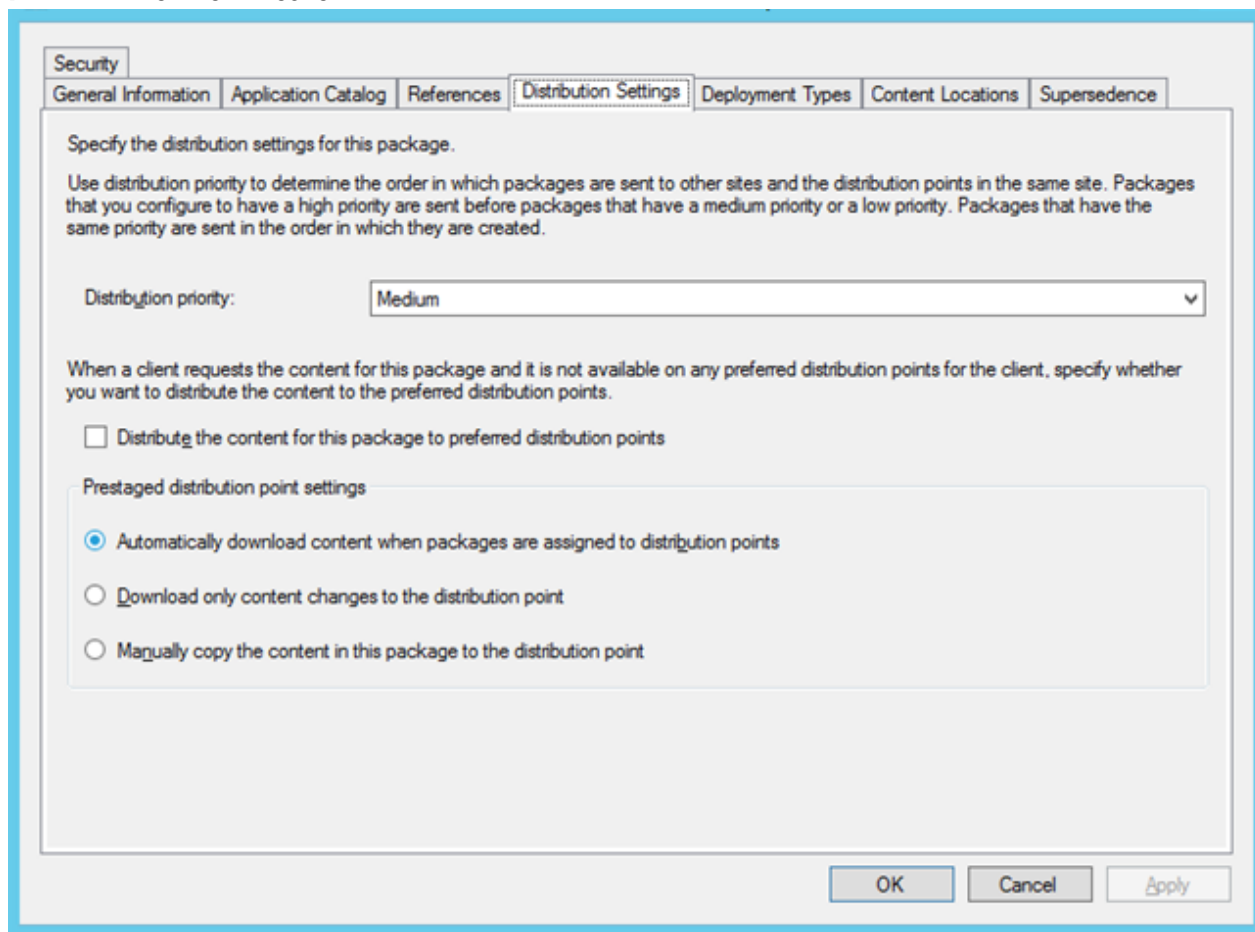
7. Sprawdź, czy aplikacja została utworzona prawidłowo i zamknij kreatora tworzenia aplikacji.





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)**.



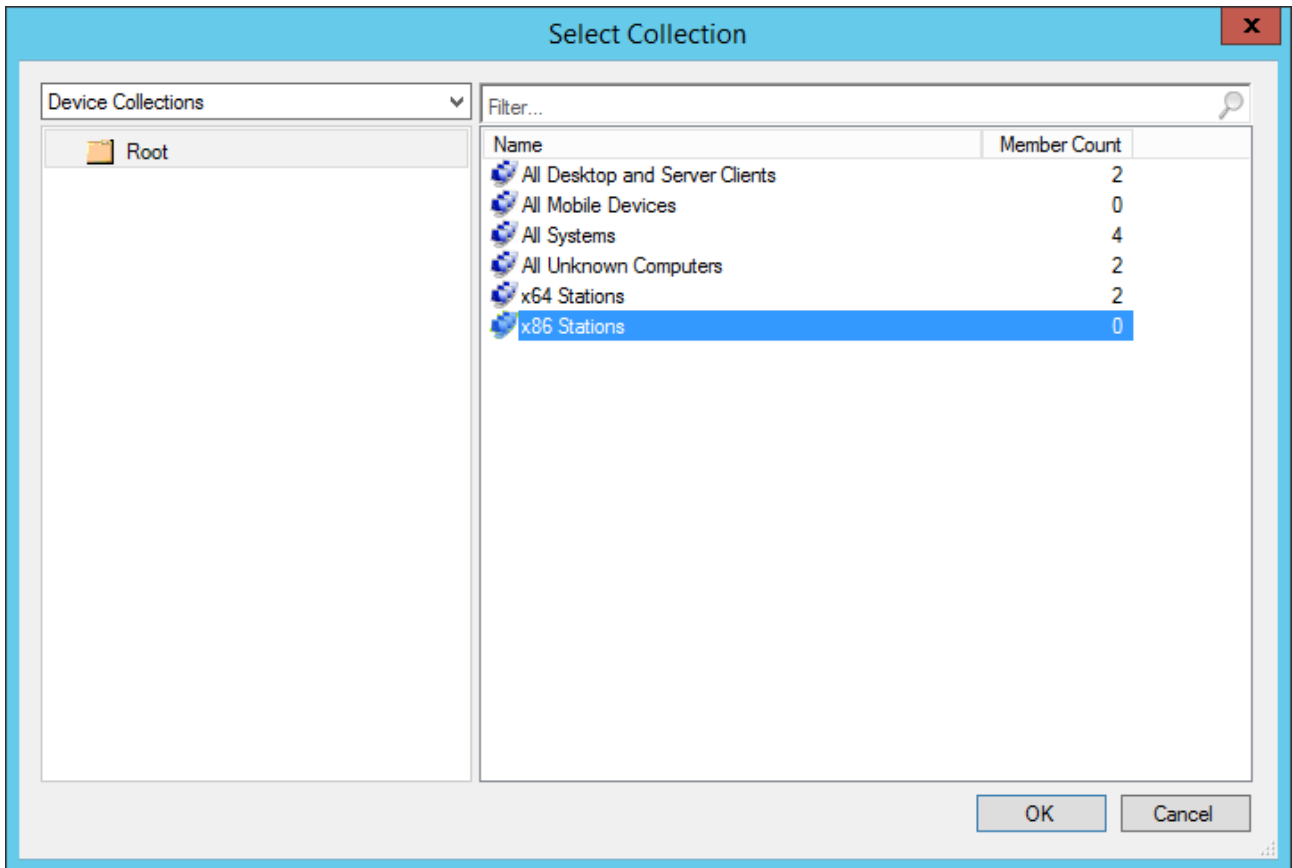
9. **Zalecane ustawienia:**

Na karcie **Deployment Types (Typy instalacji)** wybierz ABBYY FineReader 15 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 15 na Serwerze terminalowym

## Instalacja

Instalacja programu ABBYY FineReader PDF 15 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 15.

Program ABBYY FineReader PDF 15 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 15.

**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 15 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 15 został przetestowany w następujących konfiguracjach serwera terminalowego:

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

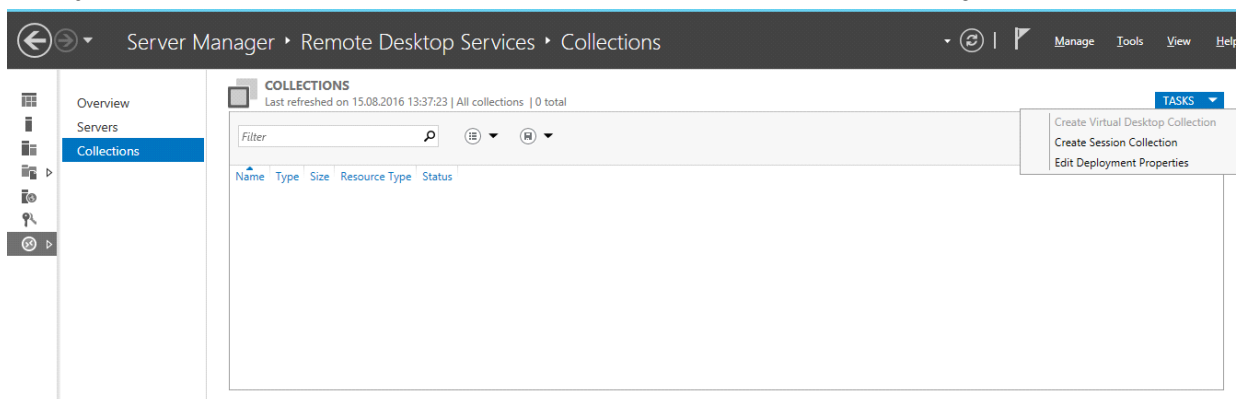
## Konfiguracja funkcji Windows RemoteApp

Program ABBYY FineReader PDF 15 można zainstalować przy użyciu funkcji RemoteApp. Poniżej znajdują się instrukcje, jak zainstalować funkcję RemoteApp w systemie Microsoft Windows Server 2012 R2.

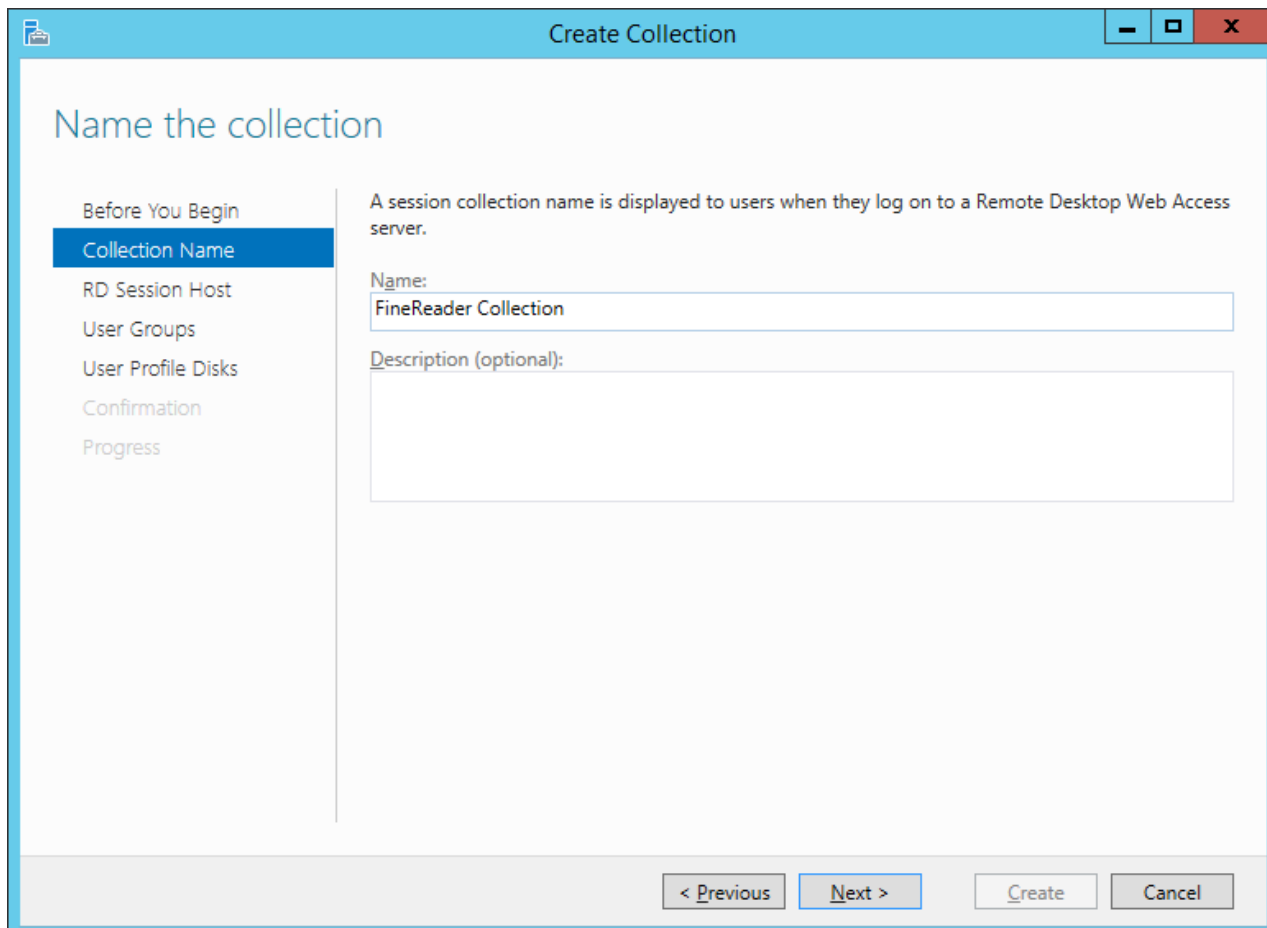
Zainstaluj program ABBYY FineReader PDF 15 na serwerze.

Utwórz zbiór sesji:

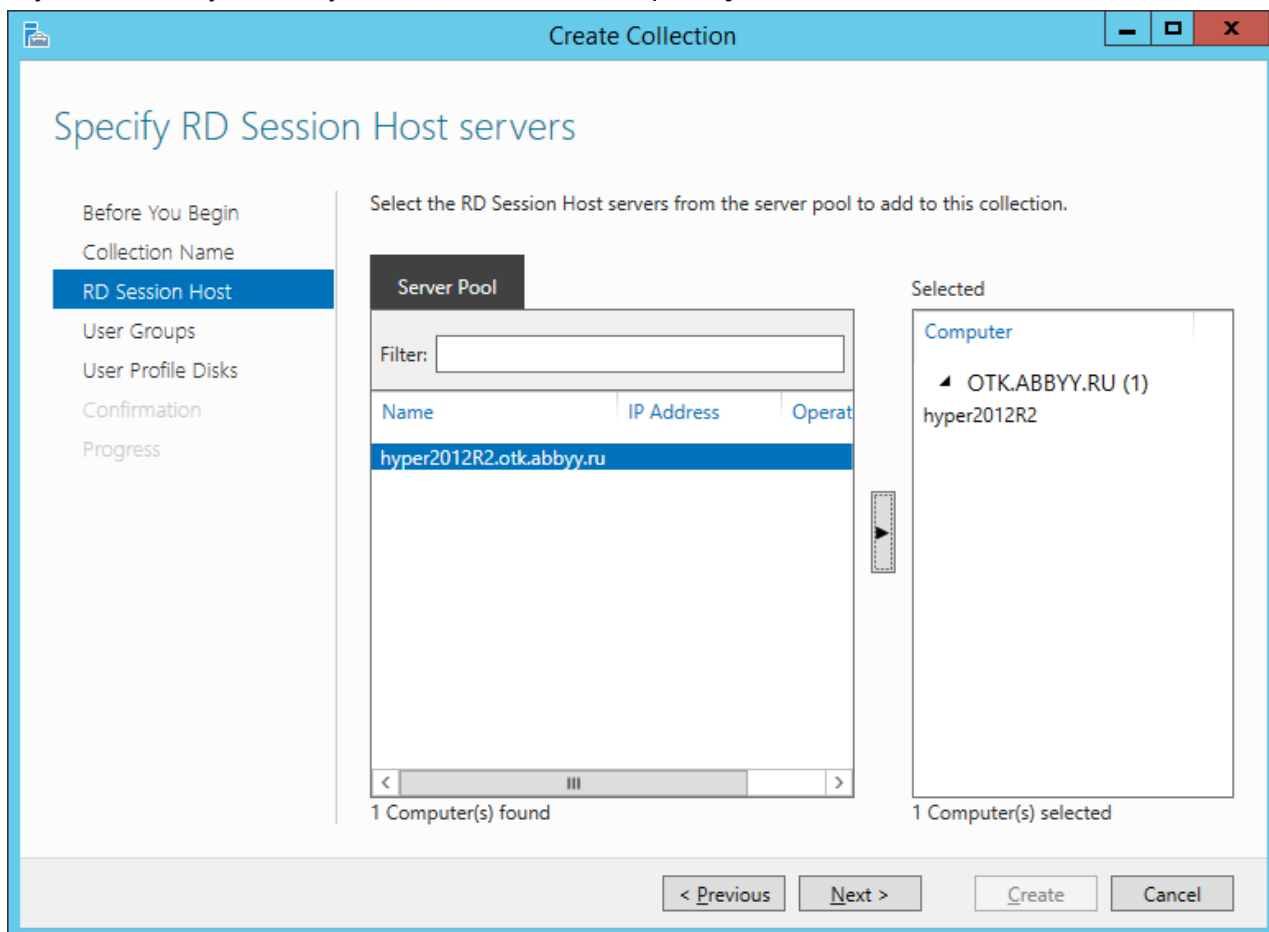
1. Uruchom **Server Manager (Menedżer serwera)** i kliknij pozycję **Remote Desktop Services > Collections (Usługi pulpitu zdalnego > Kolekcje)**.
2. Kliknij **TASKS>Create Session Collection (ZADANIA>Utwórz zbiór sesji)**.



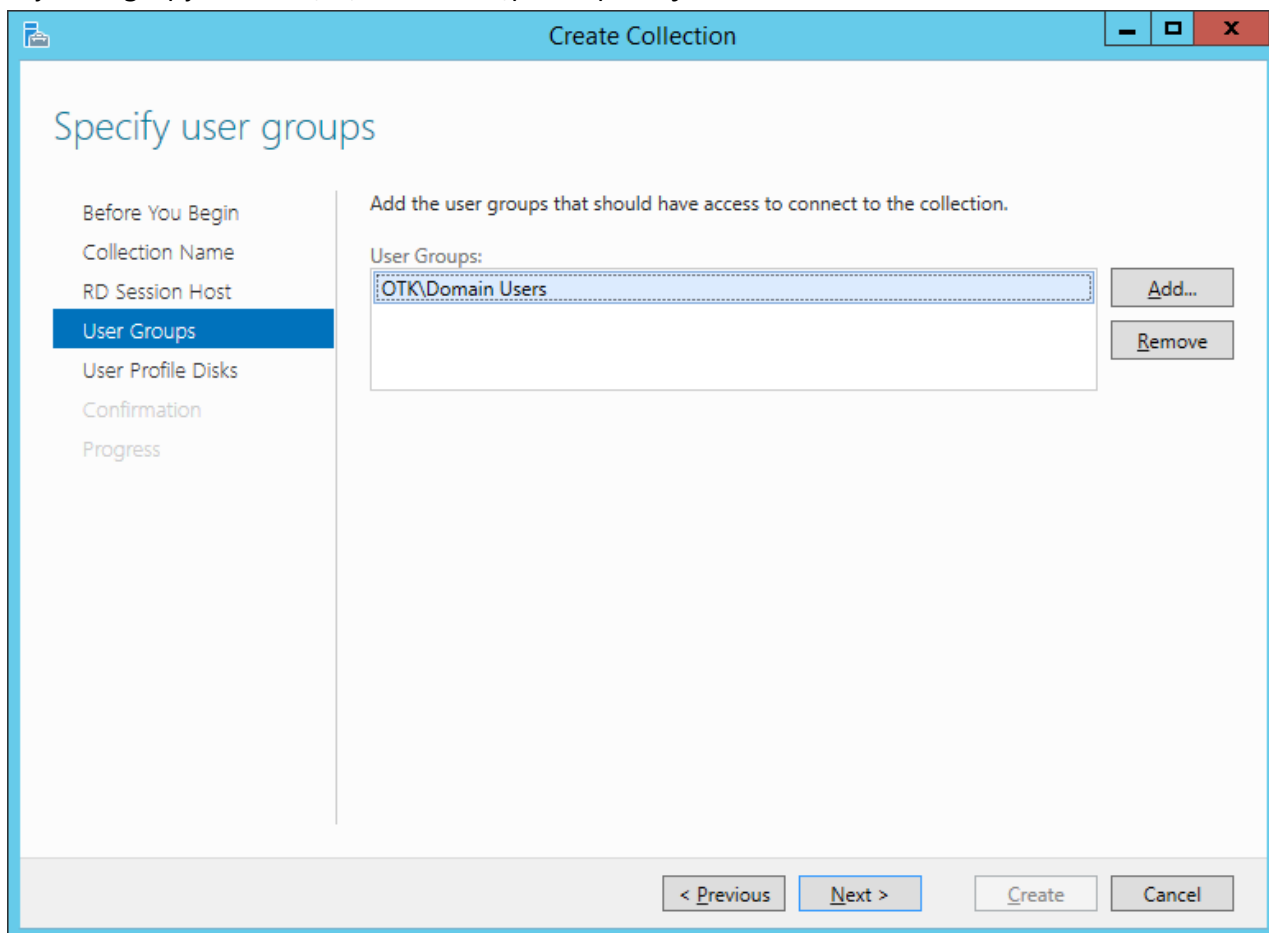
3. Podaj nazwę zbioru.



4. Wybierz serwery, na których będą uruchamiane aplikacje.



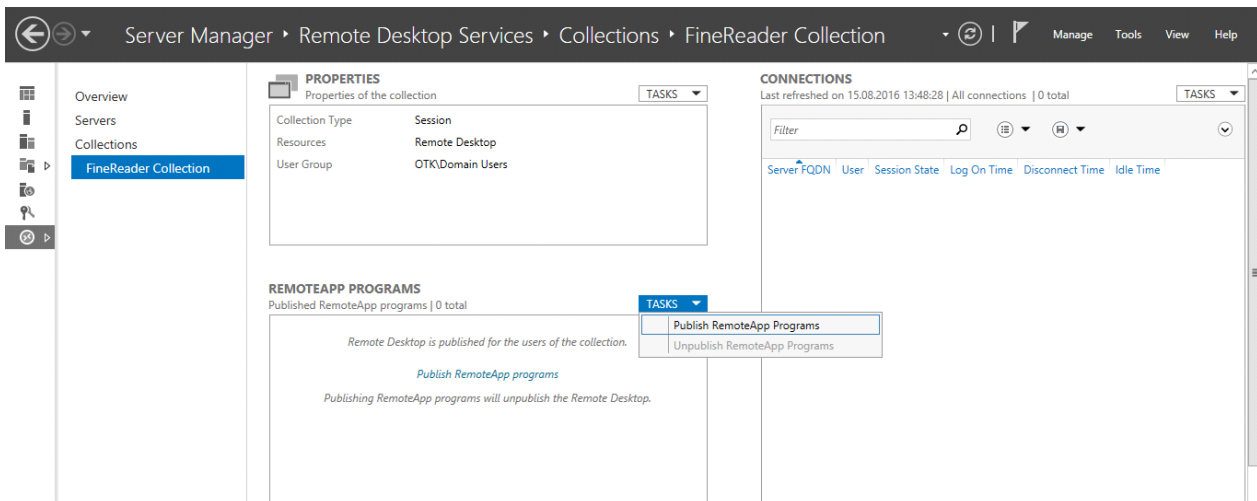
5. Wybierz grupy, które będą mieć dostęp do aplikacji.



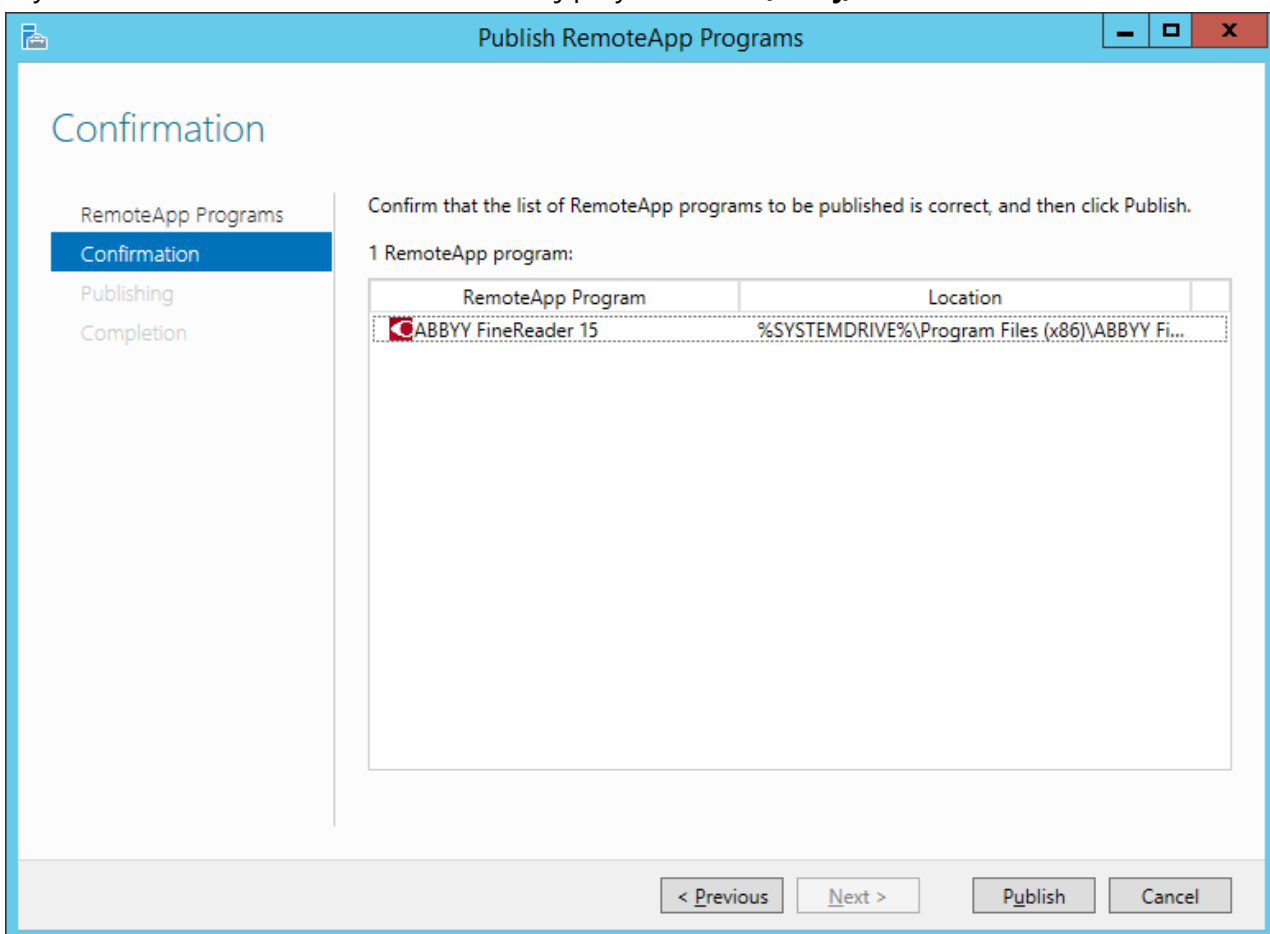
6. Określ, czy chcesz dodać **User Profile Disc (Dysk profilu użytkownika)**.
7. Kliknij przycisk **Create (Utwórz)**.

Aby dodać program ABBYY FineReader PDF 15 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 15 i kliknij przycisk **Next (Dalej)**.



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

## Konfiguracja Citrix Workspace App

Jeżeli program ABBYY FineReader PDF 15 jest instalowany przy użyciu Citrix Workspace App, to należy wybrać opcję **Instalacja aplikacji z dostępem przez serwer**.

Aby zainstalować program ABBYY FineReader PDF 15 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.

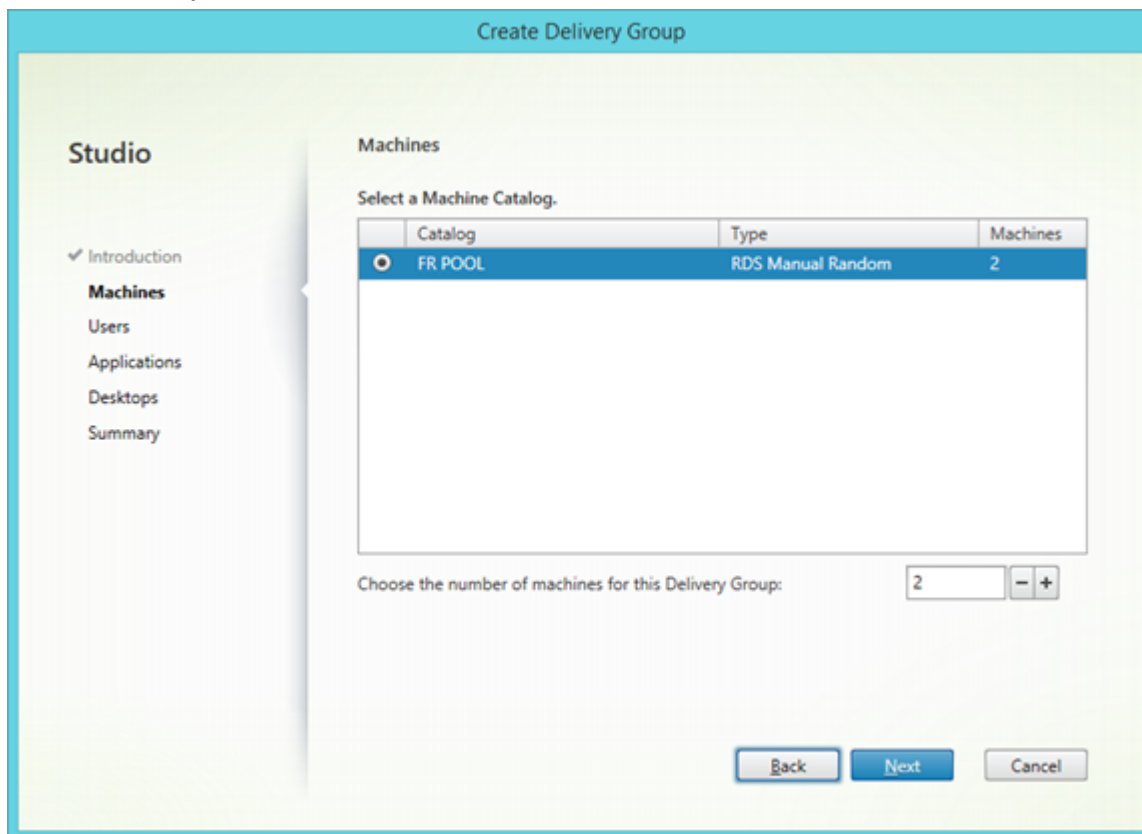
### Przykład: konfiguracja Citrix Workspace App 1808

1. Uruchom Citrix Studio.
2. Wybierz farmę, w której chcesz zainstalować program ABBYY FineReader PDF 15.
3. Utwórz grupę odbiorców dla programu FineReader lub dodaj program FineReader do istniejącej grupy.

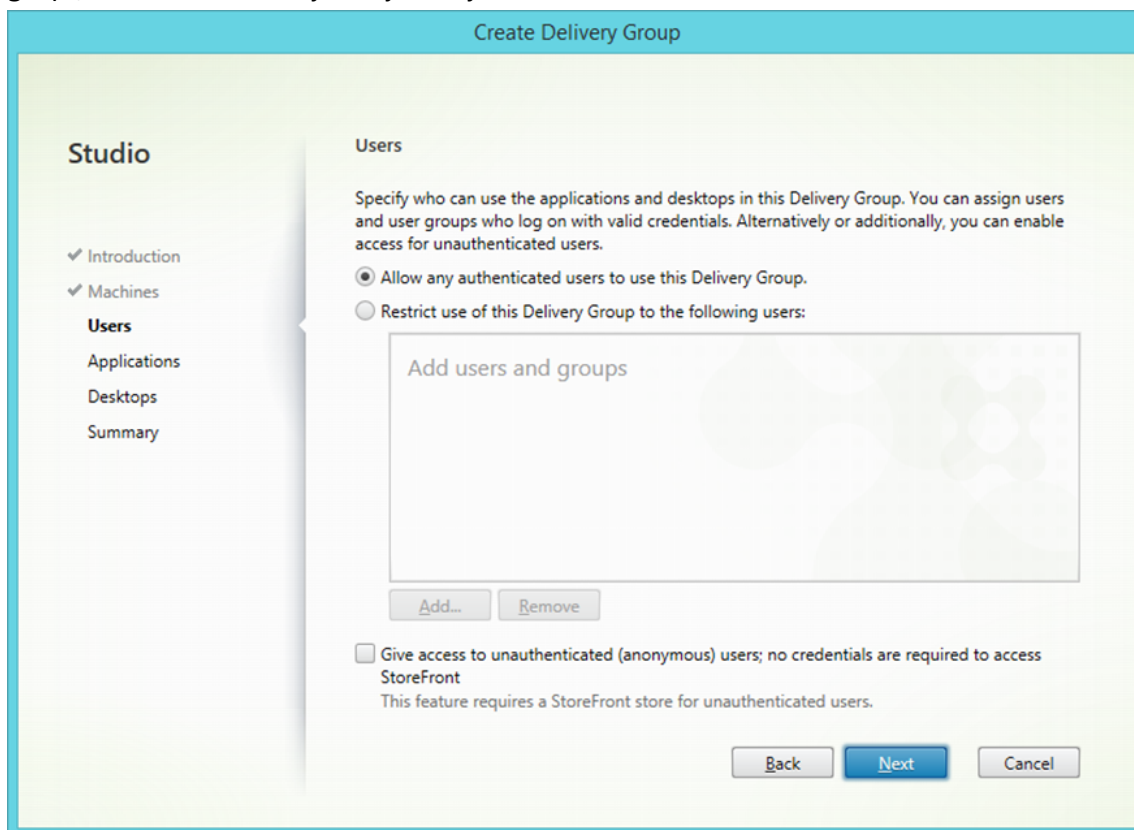
Aby utworzyć nową grupę odbiorców:

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

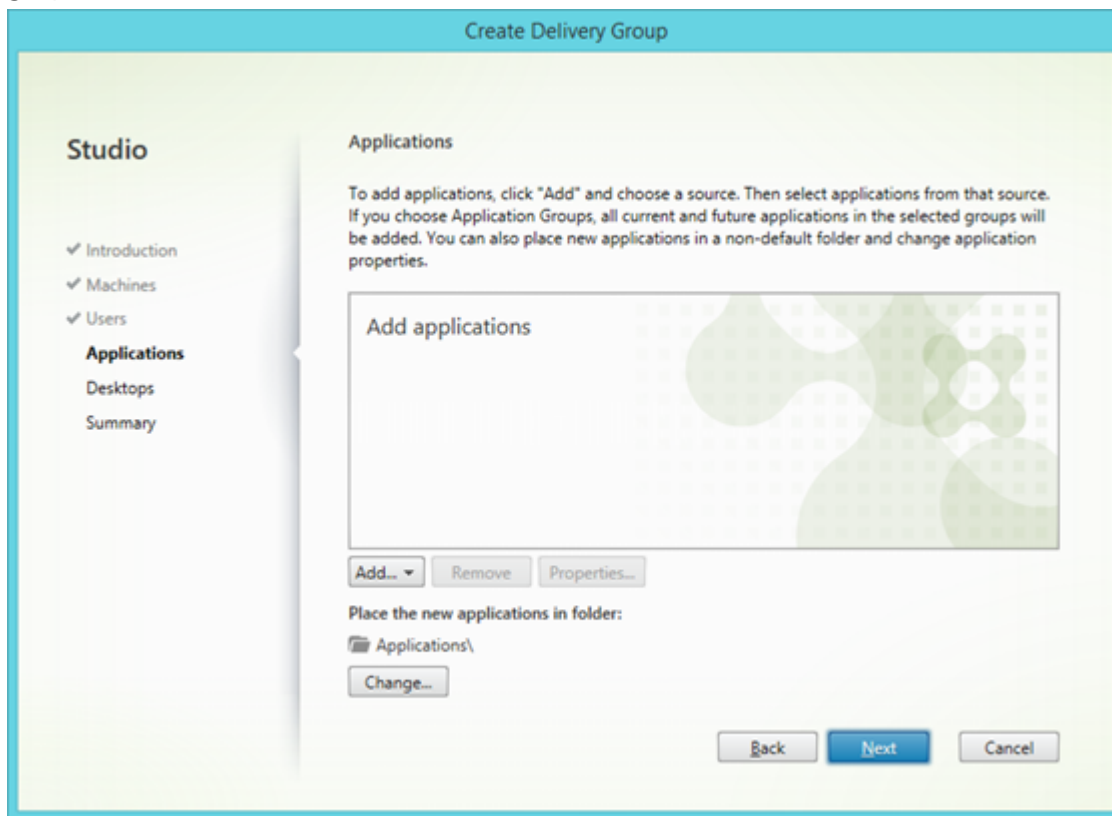
2. W kroku **Machines** wybierz Machine Catalog z listy i wprowadź liczbę serwerów, których zamierzasz używać.



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

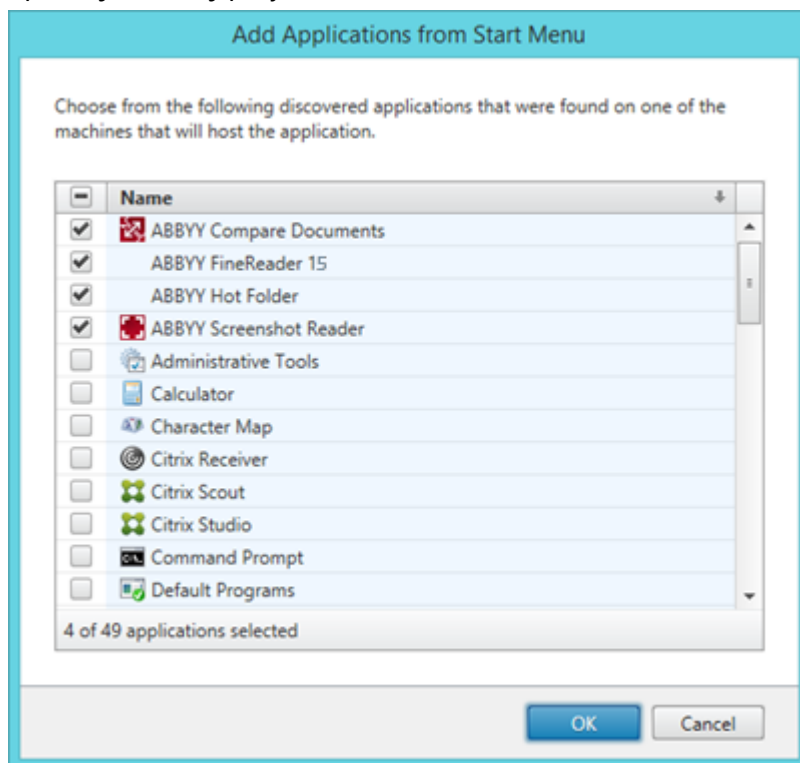


4. W kroku **Applications** kliknij przycisk **Dodaj...** i wybierz aplikacje, które mogą być uruchamiane w grupie odbiorców:



#### 4.1.Z menu start...

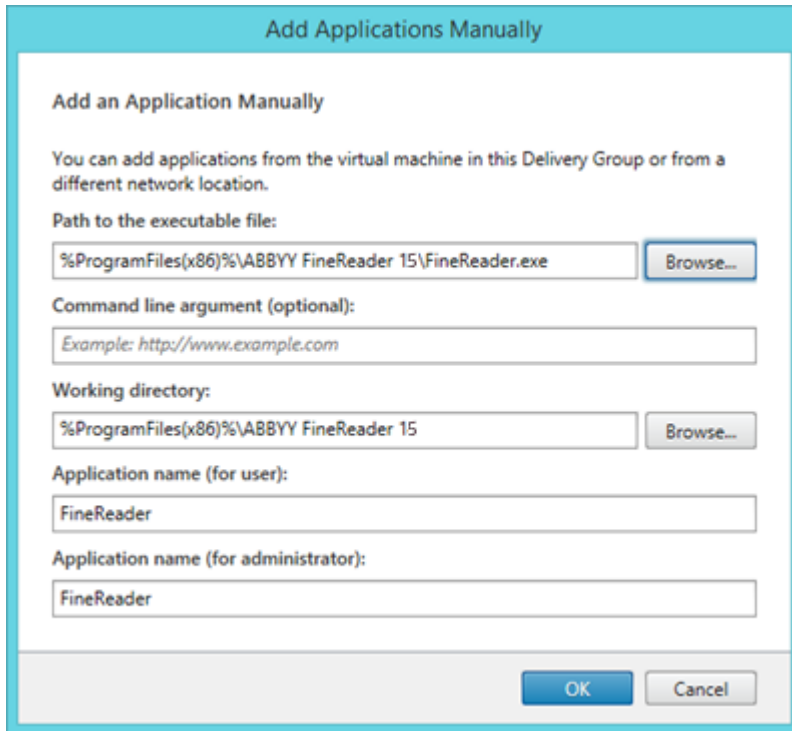
Wybierz program ABBYY FineReader PDF 15 z listy. Jeżeli użytkownicy mają mieć dostęp do preinstalowanych aplikacji bez uprzedniego uruchamiania programu FineReader, to wybierz te aplikacje. Kliknij przycisk **OK**.



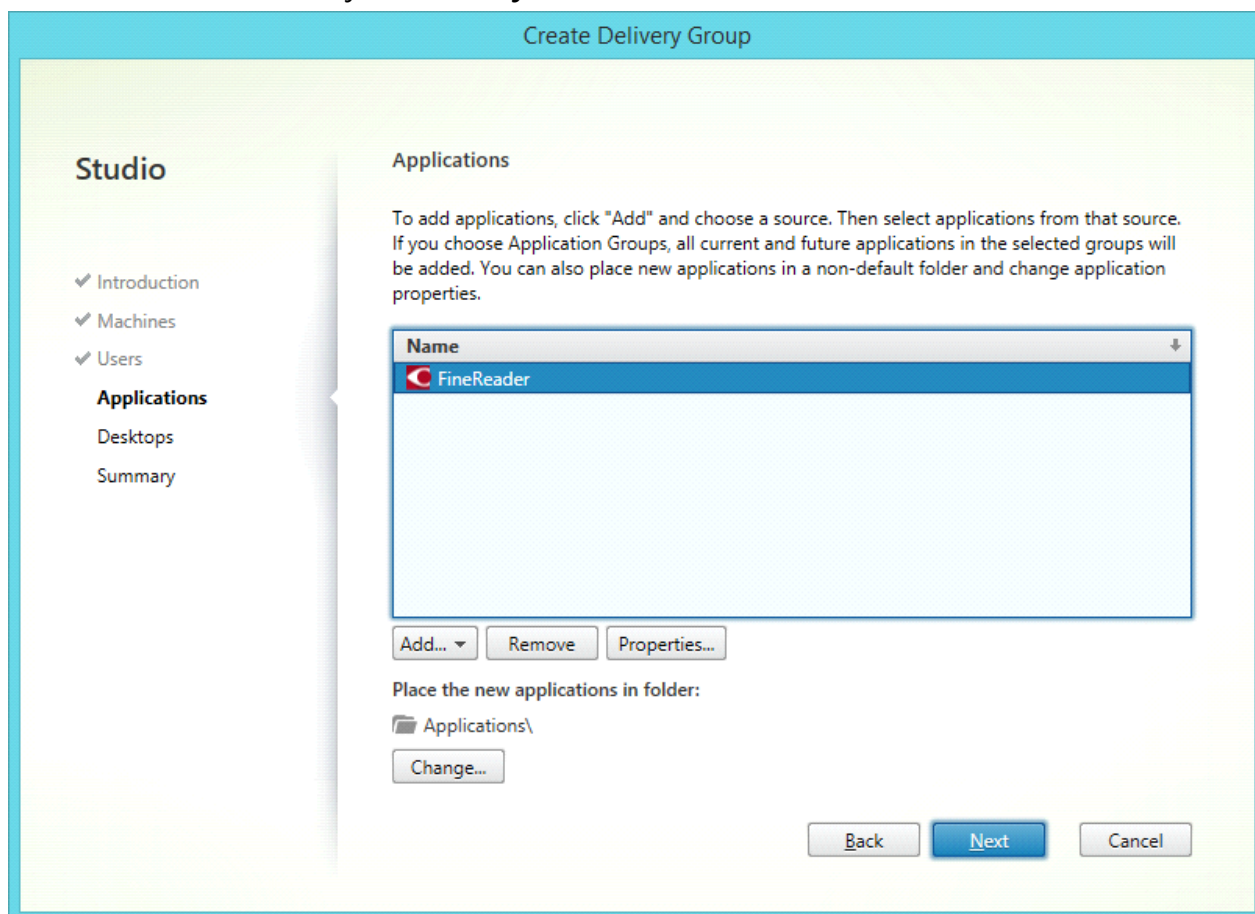


#### 4.2. Ręcznie...

Jeżeli na wybranych serwerach dostępnych jest kilka katalogów aplikacji, to należy wybrać katalog z ABBYY FineReader PDF 15 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**.

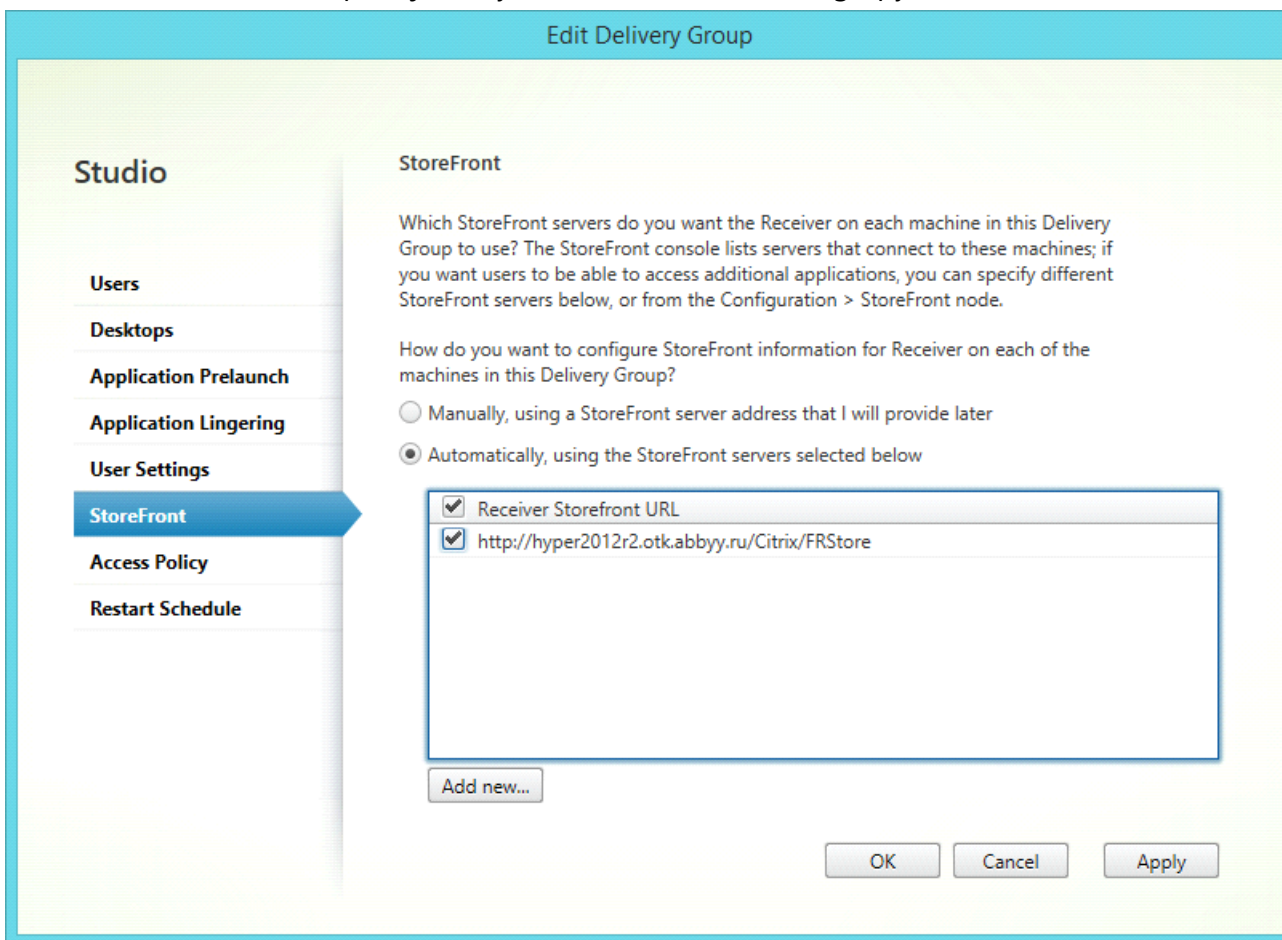


4.3. Dodaj inne aplikacje, które mają pojawić się w tej samej grupie odbiorców, co ABBYY FineReader PDF 15 i kliknij **Next (Dalej)**.



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 15 do istniejącej grupy odbiorców:

- Wybierz grupę, do której ma zostać dodany program FineReader i kliknij przycisk **Add Applications**.
- Dodaj program ABBYY FineReader PDF 15 w taki sam sposób, jak zostało to opisane w kroku 4 w przypadku tworzenia nowej grupy.

# Konfiguracja programu ABBYY FineReader PDF 15 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 15. Dostępne są następujące opcje:

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

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

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

**Enable Usage Statistics** – pozwala programowi na wysyłanie anonimowych danych dotyczących ustawień programu ABBYY FineReader PDF 15 i statystyk używania do firmy ABBYY, która wykorzystuje je w celu ulepszenia swojego produktu

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

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

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

**Enable 'Buy Full Version'** – wyświetla przycisk **Купить полную версию** 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 15

**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.

**Uwaga:** nie zostaniesz dodatkowo poproszony o zaakceptowanie jakichkolwiek zmian w Umowie licencyjnej i Polityce prywatności. Monitorowanie aktualizacji produktów pod kątem takich zmian jest obowiązkiem administratora grupy podczas instalacji. Korzystając ze zaktualizowanego produktu, akceptujesz najnowszą Umowę licencyjną i Politykę prywatności. Administrator grupy może wycofać zgodę w czasie 10 dni od momentu zainstalowania ostatniej aktualizacji poprzez deinstalację.

**Prompt to make ABBYY FineReader 15 the default PDF application** – Włącza propozycje uczynienia programu ABBYY FineReader PDF 15 domyślną przeglądarką plików PDF.

**Enable 'Quick Start Guide' menu item** – wyświetla element menu **Помощь > Начало работы с программой**

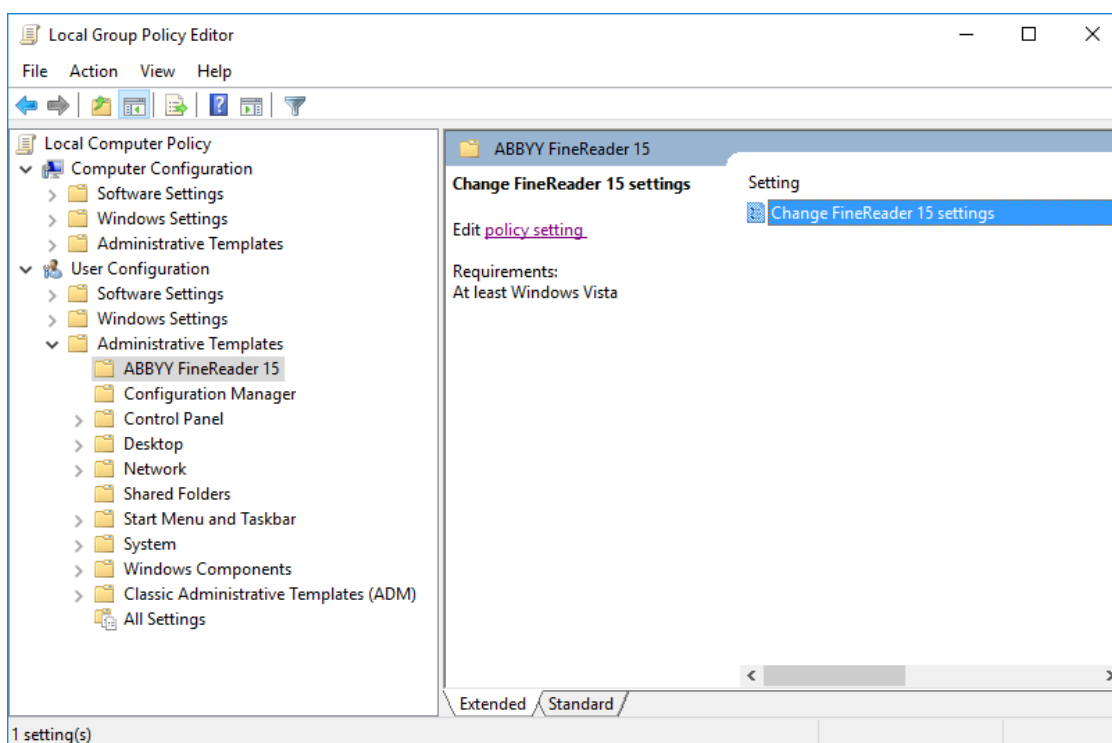
**Max number of CPU cores: N** – maksymalna liczba procesorów przeznaczonych dla programu ABBYY FineReader PDF 15 (ustawienie N=0 likwiduje to ograniczenie)

**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)

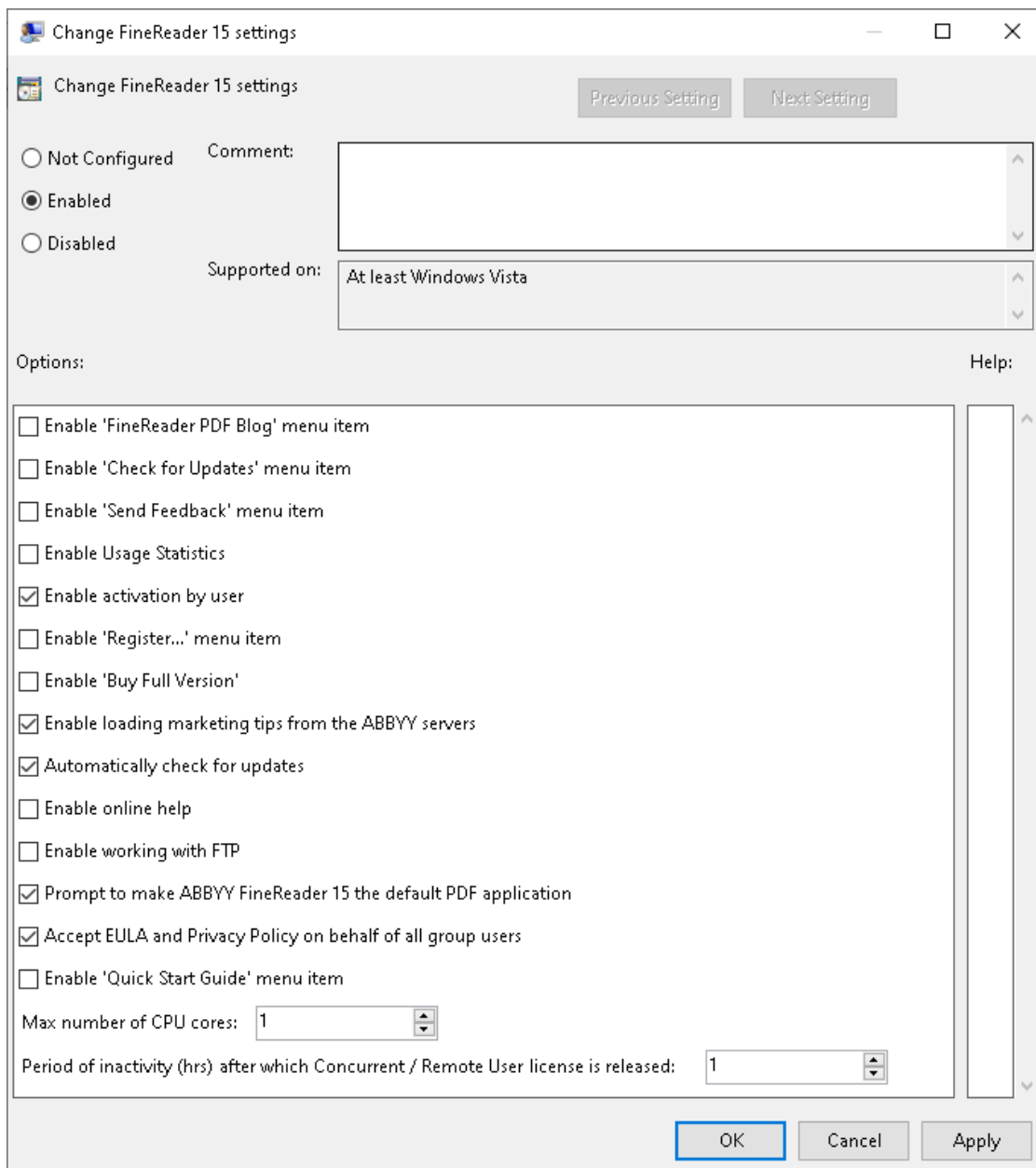
**Uwaga** Aby zmienić powyższe parametry, pobierz pliki [FineReader15.admx](#) i [FineReader15.adml](#).

## Konfiguracja programu ABBYY FineReader PDF 15 na komputerze lokalnym

1. Pobierz pliki [FineReader15.admx](#) i [FineReader15.adml](#).
2. Plik **FineReader.admx** umieść w folderze `%systemroot%\policyDefinitions`, a plik **FineReader15.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 15** i otwórz zasadę **Zmień ustawienia programu FineReader 15**.



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

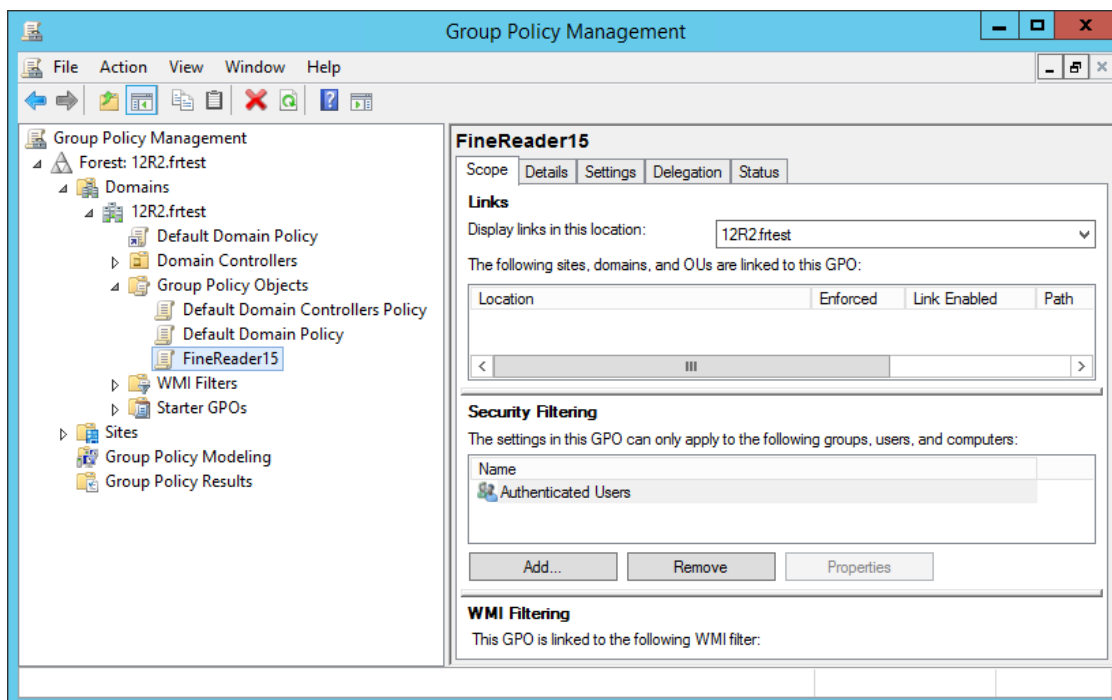


6. Aby zapisać zmiany, zaktualizuj zasady grup i ponownie uruchom program ABBYY FineReader PDF 15 na swojej stacji roboczej.

**Uwaga.** Parametry ustawione za pomocą Zasady grupy mają zastosowanie do wszystkich aplikacji wchodzących w skład programu ABBYY FineReader PDF 15.

## Jednoczesna instalacja programu ABBYY FineReader PDF 15 na wszystkich komputerach w domenie

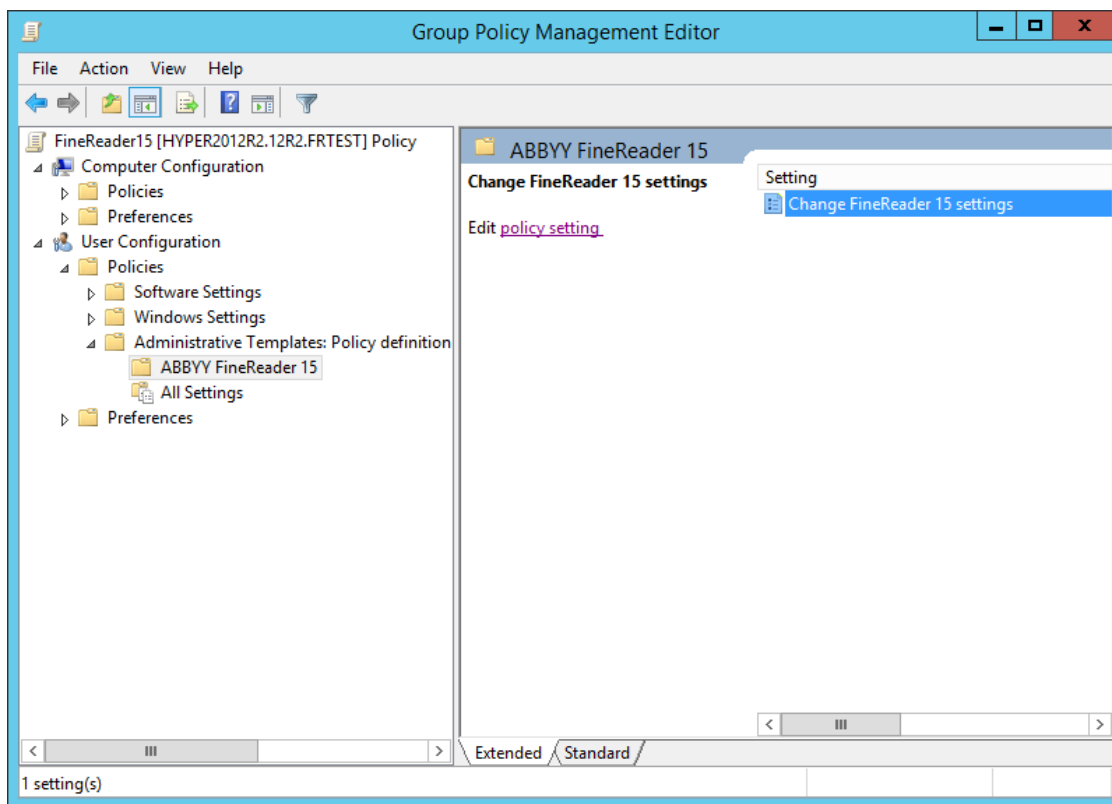
1. Pobierz pliki [FineReader15.admx](#) i [FineReader15.adml](#).
2. Plik **FineReader.admx** umieść w folderze **%systemroot%\sysvol\domain\*\policies\PolicyDefinitions**, a plik **FineReader15.adml** przenieś do folderu **%systemroot%\sysvol\domain\*\policies\PolicyDefinitions\en-us**.  
\* nazwa domeny
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**.



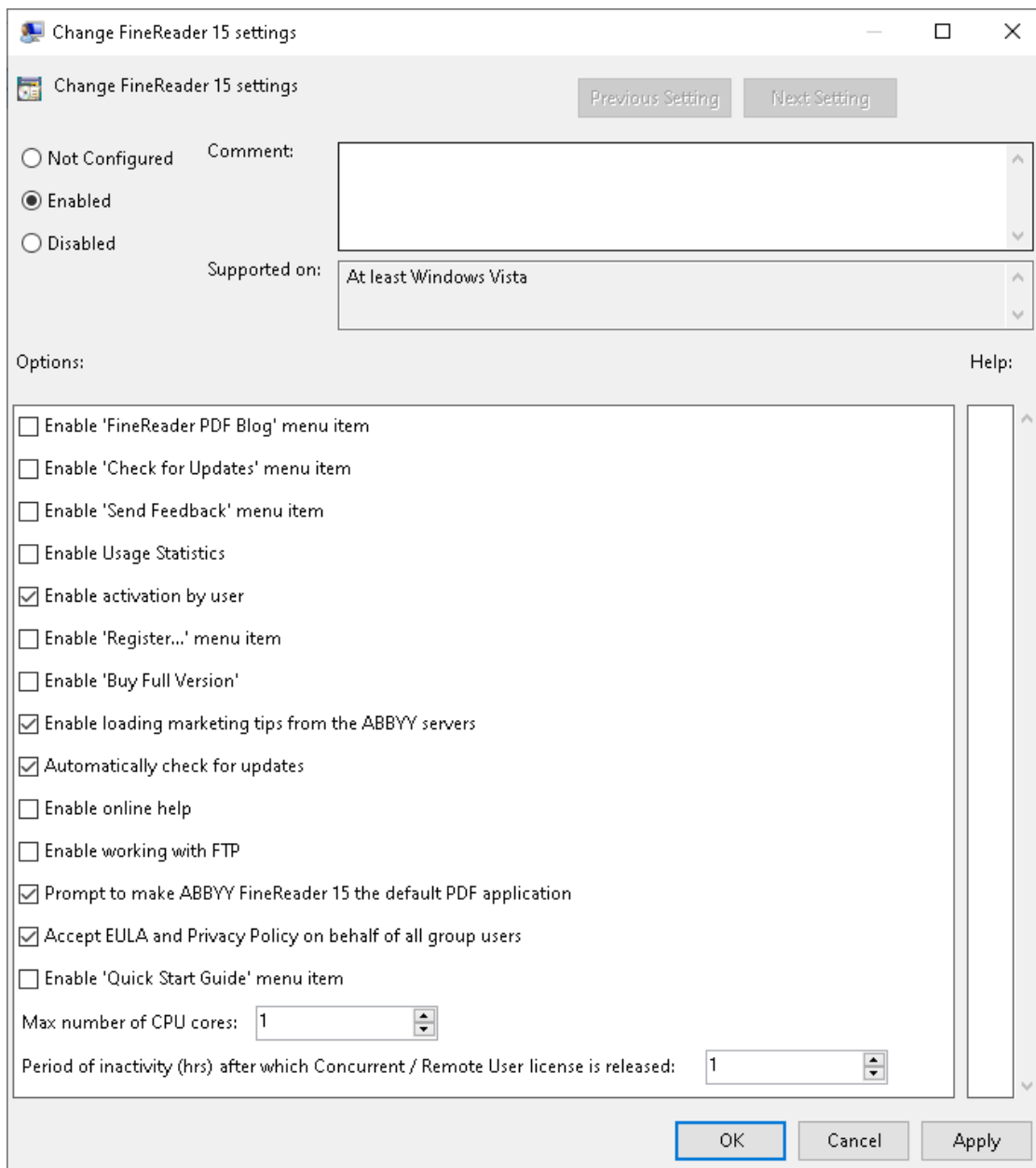
7. Otwórz menu skrótów dla obiektu zasad grupy utworzonego w punkcie 4 i wybierz opcję **Edycja**. Spowoduje to otwarcie okna **Edytor zarządzania zasadami grupy**.



8. Aby edytować zasady grupy, wybierz kolejno opcje **Konfiguracja użytkownika > Zasady > Szablony administracyjne: Definicje zasad (pliki ADMX pobrane z magazynu centralnego) > ABBYY FineReader PDF 15** i otwórz zasadę **Zmień ustawienia programu FineReader 15**.



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 15.

**Uwaga.** Parametry ustawione za pomocą Zasady grupy mają zastosowanie do wszystkich aplikacji wchodzących w skład programu ABBYY FineReader PDF 15.

## Aktualizacje instalacji

Aby zainstalować program ABBYY FineReader PDF 15 na stacjach roboczych, wykonaj poniższe czynności:

1. Pobierz pliki instalacyjne najnowszej wersji programu ABBYY FineReader PDF 15.
2. Zainstaluj program ABBYY FineReader PDF 15 na stacjach roboczych bez tworzenia administracyjnego punktu instalacyjnego. Można użyć dowolnej metody instalacji. Patrz [Instalacja programu ABBYY FineReader 15 na stacjach roboczych](#)<sup>[18]</sup>.

**Uwaga.** Aby zainstalować aktualizację nie ma potrzeby odinstalowywać poprzedniej wersji programu ABBYY FineReader PDF 15.

## Często zadawane pytania

### Czy można sklonować system operacyjny, na którym został zainstalowany program ABBYY FineReader PDF 15?

Aby zainstalować program ABBYY FineReader PDF 15, można sklonować system operacyjny Microsoft Windows 8.1/10. Po sklonowaniu systemu operacyjnego konieczne jest aktywowanie programu ABBYY FineReader PDF 15. Nieaktywowana kopia programu ABBYY FineReader PDF 15 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>[17]</sup>

#### Ważne!

1. Klonowanie jest możliwe wyłącznie wtedy, gdy program ABBYY FineReader PDF 15 nie został jeszcze uruchomiony na klonowanym komputerze.  
W przeciwnym razie konieczna będzie instalacja naprawcza programu ABBYY FineReader PDF 15 na tym komputerze. Zobacz [Jak naprawić program ABBYY FineReader PDF 15 na stacjach roboczych?](#)<sup>[62]</sup>
2. Po sklonowaniu systemu operacyjnego konieczna jest zmiana jego nazwy i **identyfikatora SID**.
3. Wersje próbne programu ABBYY FineReader PDF 15 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\15\Licensing\**).

- Protokół połączenia  
zobacz temat [Konfiguracja protokołu połączenia](#)<sup>61</sup>.
- Port połączenia  
Zobacz temat [Konfiguracja portu połączenia](#)<sup>62</sup>.

Na przykład:

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

**Uwaga:** Sprawdź, czy zapora sieciowa nie blokuje plikowi **%programfiles%\Common Files\ABBYY\FineReader\15\Licensing\NetworkLicenseServer.exe** dostępu do wybranego portu.

2. Wprowadź podobne zmiany w pliku **Licensing.ini** znajdującym się w folderze **%programfiles%\Common Files\ABBYY\FineReader\15\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 15 License Server**).

**Ważne!** Aby zmiany zostały wprowadzone, ponownie uruchom usługę licencjonowania ABBYY FineReader PDF 15.

4. Ponownie uruchom usługę licencjonowania ABBYY FineReader PDF 15. 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\15\Licensing\** do utworzonego przez siebie punktu instalacji administracyjnej.

Na przykład:

D:\Temp\Adm15\ABBYY FineReader PDF 15

Folder instalacji administracyjnej to Adm15.

ABBYY FineReader PDF 15 to podfolder zawierający plik wykonywalny FineReader.exe.

Plik **Licensing.ini** należy skopiować do podfolderu ABBYY FineReader PDF 15.

7. Upewnij się, że otwarty jest odpowiedni port serwera.
8. Ponownie zainstaluj program ABBYY FineReader PDF 15 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\15\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 15

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\15\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 15 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 15.0 Licensing Service**.

## Jak naprawić program ABBYY FineReader PDF 15 na stacjach roboczych?

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

## Naprawa programu ABBYY FineReader PDF 15 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 15** 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 15 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 15 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 15 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 15 Licensing Service.

4. Dodaj i aktywuj swoje licencje w narzędziu ABBYY FineReader PDF 15 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 15 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 15 na stacjach roboczych](#)<sup>18</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\15\Licenses** w systemie Windows 8.1 lub nowszym.

## Pomoc techniczna

W przypadku pytań dotyczących instalacji i korzystania z programu ABBYY FineReader PDF 15, 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/>.

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- Layout tests, located in test/mjsunit/third\_party/object-keys. These are based on layout tests from webkit.org which are copyrighted by Apple Computer, Inc. and released under a 3-clause BSD license.
- Strongtalk assembler, the basis of the files assembler-arm-inl.h, assembler-arm.cc, assembler-arm.h, assembler-ia32-inl.h, assembler-ia32.cc, assembler-ia32.h, assembler-x64-inl.h, assembler-x64.cc, assembler-x64.h, assembler-mips-inl.h, assembler-mips.cc, assembler-mips.h, assembler.cc and assembler.h.

This code is copyrighted by Sun Microsystems Inc. and released under a 3-clause BSD license.

- Valgrind client API header, located at `src/third_party/valgrind/valgrind.h`  
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- The Wasm C/C++ API headers, located at `third_party/wasm-api/wasm.{h,hh}`

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## Vulkan SDK Version 1.1.130.0

<https://vulkan.lunarg.com/software/license/vulkan-1.1.130.0-linux-license-summary.txt>

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,  
 ./macOS/include/vulkan/vulkan\_wayland.h,vulkan\_wayland.h,Apache-2.0,  
 ./macOS/include/vulkan/vulkan\_win32.h,vulkan\_win32.h,Apache-2.0,  
 ./macOS/include/vulkan/vulkan\_xcb.h,vulkan\_xcb.h,Apache-2.0,  
 ./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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D: ARM EHABI Unwind & Exception Handling, Bare-metal

N: Nico Weber

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