

Tungsten Power PDF Network Installation Guide 2025.3

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Revision history

This table lists the initial version of the Tungsten Power PDF 5.0.0 Network Installation Guide, along with the update made after the initial version was published.

Revision	Date	Description
Tungsten Power PDF 5.0.0	June 28, 2022	Initial release
Tungsten Power PDF 5.0.0 R2	April 20, 2023	Added description of enhanced license management .
Tungsten Power PDF 5.0.0 R2	August 23, 2023	Expanded description of Collaboration Server with the service edition.
Tungsten Power PDF 5.1.0	April 12, 2024	Updated the following descriptions: <ul style="list-style-type: none">• Customization Kit overview• Licensing options• Finish the installation package• Set the licensing option• Sequence Power PDF as a plugin for Office• Configure License Client Added the following sections: <ul style="list-style-type: none">• Sign and mark• Enable playing of Multimedia and 3D content• Enable Ribbon Customization• Trust ALL root certificates in Windows Certificate Store for Signature verification• Trust ALL root certificates in Windows Certificate Store for Certificate verification• Cloud License Server configuration• Configure Cloud License Server activation• Prepare Intune packaging for Windows• Prepare Intune packaging for iOS
Tungsten Power PDF 5.1.1	September 10, 2024	Added the OpenAI Service tool section.

Revision	Date	Description
Tungsten Power PDF 2025.3	September 1, 2025	<p>Applied Tungsten branding.</p> <p>Updated Power PDF Advanced to Power PDF Business.</p> <p>Updated the following sections:</p> <ul style="list-style-type: none">• Licensing options• Basic customization workflow• Deployment example (installation in existing organizational units)• Client uninstallation• Collaboration Server configuration• Enhanced license management <p>Added the following sections:</p> <ul style="list-style-type: none">• Prepare and customize a Printix build• Printix self-extracting archive parameters• Platform-independent client installation using PowerShell

Introduction

This document covers the main installation scenarios for the Power PDF Advanced and Power PDF Reader products in a network environment. The Administrative setup topics contain necessary information for special deployment systems such as Active Directory, Microsoft Systems Management Server and System Center Configuration Manager.

The document describes all parameters and installer options that you may want to use during the installation setup.

The primary source of information about Tungsten Power PDF system requirements and dependencies on other products is the Technical Specifications document, which is available on the [Power PDF Product Documentation](#) page. The document is updated regularly, and we recommend that you review it carefully to ensure success with your Tungsten Power PDF product.

Product definitions

Most sections in this document are relevant for both Power PDF Business and Power PDF Reader. Features and options not supported in Power PDF Reader are always marked with a note. Both products may be installed on the same computer.

Power PDF Business

Power PDF Advanced combines the power of PDF creation, the flexibility of PDF editing, and the versatility of PDF conversion into one easy-to-use, affordable application. It provides all the critical business features you need without the cumbersome and costly print and pre-press functionality found in more expensive solutions.

Power PDF Advanced is designed to be deployed and used in a distributed environment. Furthermore, it provides additional features compared to the Standard version:

- Software activation turned off
- Electronic product registration turned off
- Automatic product updates turned off
- Silent installation
- Distributable PDF creation parameters
- Distributable PDF product settings
- Redaction tool to filter out sensitive PDF content
- Bates numbering tool for uniquely identifying each page in legal document sets
- Group Policy Object support
- Support for different Document Management Systems (See the release notes for details.)
- Document collaboration

- Online collaboration (available with Power PDF Business license only)

Power PDF Reader

Power PDF Reader serves as an advanced PDF tool for corporate users who do not require the powerful editing and conversion features of Power PDF Business.

Please note the following information:

- The default skin type is blue in Power PDF Business and dark gray in Power PDF Reader.
- Power PDF Reader is installed separately and does not require Active Directory client installation files. See the [Installation media layout](#) and [Installation prerequisites](#) chapters for details.
- Power PDF Reader and Power PDF Business .msi installation files have different names. See [Installation media layout](#) for details.

Power PDF Reader does not support the following features:

- Upgrade Behavior feature
- Launch Create Assistant at startup (SSASSISTANSATSTARTUP command line parameter)
- Install PDF Convert component (SSCONVSTATE command line parameter)
- Printer Port Name (PDFPRINTERPORTNAME command line parameter)
- File Explorer (Windows Explorer) integration (WINDOWSEXPLORERALL command line parameter)
- Microsoft Word integration (WORDADDINALL command line parameter)
- Microsoft Excel integration (EXCELADDINALL command line parameter)
- Microsoft PowerPoint integration (PPTADDINALL command line parameter)
- Microsoft Outlook integration (OUTLOOKADDINALL command line parameter)
- All options under Office application integration
- Reader mode (ISREADONLYMODE command line parameter)
- Limited reader mode (ISLIMITEDREADONLYMODE command line parameter)
- Allow legacy mode image edit (ISTOUCHUPNEWSTYLE command line parameter)
- Advanced Edit mode (ISDISABLEWRITEMODE command line parameter)
- Auto Save (ISINSTALLAUTOSAVE command line parameter)
- Bates Numbering (ISINSTALLBATESSTAMP command line parameter)
- Create dynamic PDF Forms (ISINSTALLFORMTYPER command line parameter)
- Document Collaboration (ISDISCOLLABORATION command line parameter)
- Favorites (ISINSTALLFAVOURITES command line parameter)
- Flatten (ISFLATTENENABLE command line parameter)
- Indexing PDF files (ISINSTALLCATALOG command line parameter)
- Optimize PDF Documents (ISINSTALLOPTIMIZE command line parameter)
- Reading Order (ISREADINGORDER command line parameter)
- Redact PDF Documents (ISCONTAINREDACTION command line parameter)
- Remove Document Elements (ISINSTALLLEXAMINEDOC command line parameter)
- Scan (NUSCAN command line parameter)
- Scan Inbox / Set properties (NUINBOXMONITOR command line parameter)
- Sequencer (ISBATCHPROCESSING command line parameter)

- Split PDF documents (ISINSTALLPDFCHUNKER command line parameter)
- Stationery (NUSTATIONERY command line parameter)
- Tagging PDF documents (ISINSTALLRETAG command line parameter)
- Use Clip Art (ISINSTALLCLIPART command line parameter)
- Watched Folder (ISINSTALLWATCHEDFOLDER command line parameter)
- Enable Watermark (ISINSTALLWATERMARK command line parameter)
- Read watermarks from a shared location (WATERMARKCOMMONLOC command line parameter)
- Hide downloading User Interface (UI) languages (ISHIDEADDLANGUAGE command line parameter)
- Load security settings from server (ISSHOWLOADSECOPTION command line parameter)
- Modify PDF creation options (ISDRIVERMODIFIABLE command line parameter)
- Show JavaScript button in the Edit tab of the ribbon (OPT_JS_SHOWBUTTON command line parameter)
- Document collaboration
- Online collaboration

Installation media layout


Power PDF Business and Power PDF Reader have a separate installation media or download package containing all mandatory components for installation of the respective products.

Both the Power PDF Business and the Power PDF Reader applications are 64-bit versions. The installation media or download package contains the setup files in the following folders.

Power PDF Business .msi file: `.\System64\Tungsten Power PDF Business.msi`

Power PDF Reader .msi file: `.\System64\Tungsten Power PDF Reader.msi`

All folders contain `_setup.exe`: `.\System64_setup.exe`

 Always use the appropriate version of the .msi files or _setup.exe according to the operating system you are targeting.

The supported installation languages and the associated transform files are indicated in the following table. Only one language can be used at a time.

Transform file names by language

Language	Transform file
Arabic	1025.mst
Chinese (Traditional)	1028.mst
Chinese (Simplified)	2052.mst
Czech	1029.mst
Danish	1030.mst

Language	Transform file
Dutch	1043.mst
English	1033.mst
Finnish	1035.mst
French	1036.mst
German	1031.mst
Hungarian	1038.mst
Italian	1040.mst
Japanese	1041.mst
Korean	1042.mst
Norwegian	1044.mst
Polish	1045.mst
Portuguese (Brazil)	1046.mst
Russian	1049.mst
Spanish	1034.mst
Swedish	1053.mst
Turkish	1055.mst

Installation prerequisites

The product requires the Microsoft .NET Framework 4.8 package to be installed on the client computers.

Webview2 is required for using the SignDoc and DocuSign functionalities.

This installer is located in the `Prerequisite` folder in the installation media or download package. The file name is `ndp48-x86-x64-allos-enu.exe`.

i If you perform the standard installation procedure via `Setup.exe` in the root folder of your installation media or download package, the `Setup.exe` installs the required software packages automatically before launching the product installer. A reboot may be required after installation of the components.

Purview Information Protection and Rights Management Service

Power PDF uses Microsoft Purview Information Protection by default.

Power PDF utilizes an Azure app to connect with the Microsoft Purview service in Azure.

- App Name: Tungsten Power PDF
- App ID: 0d38c93d-18ae-4772-8410-e27ae3b82eef

To let tenant users access the app, an administrator must grant consent, for example via the Admin Consent URL.

Customize your URL using the following scheme:

```
https://login.microsoftonline.com/<tenant>/adminconsent?client_id=<app_id>
```

Replace the placeholders in angle brackets with actual parameters:

- Replace `<tenant>` with your tenant name or ID.
- Replace `<app_id>` with the App ID of the Tungsten Power PDF app (0d38c93d-18ae-4772-8410-e27ae3b82eef).

For example:

```
https://login.microsoftonline.com/johndoetenant/adminconsent?client_id=0d38c93d-18ae-4772-8410-e27ae3b82eef
```


To step back to the legacy Active Directory Rights Management Service, follow the steps in the section below.

 Set the [ISINSTALLRMS command line switch](#) to "0" to disable right management services.

Use legacy Active Directory Rights Management Service

To step back to Active Directory Rights Management Service to work with legacy RMS-protected documents, do the following:

1. Install Active Directory Rights Management Service Client 2.1 by proceeding with any of the following steps:
 - Use the client installer appropriate for your operating system, provided with the Power PDF Business installation media or download package:
`.\Tools\AD_RMS\setup_msipc_x64.exe`
 - Download the installer from Microsoft at <https://www.microsoft.com/en-us/download/details.aspx?id=38396>.

 The Power PDF Reader installation media or download package does not contain these files and was not tested with RMS in a Microsoft App-V environment.

2. In Power PDF, select **File > Options > Security**, then clear the **"Use Purview Information Protection instead of AD RMS"** check box under **Rights Management Services**.

Installation in distributed environments

In a distributed environment, administrators can use a two-step procedure for software deployment:

1. Customization

The Customization Kit is available from the Tools folder in your installation media or download package (. \Tools\CustomKit\CustomizationKit.exe). The kit presets certain installation options to configure client installation.

2. Client installation


Installs the product on the client workstation according to the options configured with the Customization Kit.

The following sections describe how administrators can customize and deploy the product. Please note that the manual client installation can be replaced with mass deployment.

Customization Kit

The Customization Kit for Power PDF Business and Power PDF Reader gives administrators the ability to customize the installation of Power PDF Business products prior to deploying the applications across an organization.

System requirements: The Customization Kit requires that at least Microsoft Windows Installer (MSI) 3.1 and Windows .NET Framework 4.8 are installed on the client computer.

 You must use a Customization Kit version that is identical to the product version.

Customization Kit overview

The Customization Kit helps to create a personalized package of Power PDF Advanced for organization-wide deployment.

Use this tool to define where to install Power PDF Business, predefine the serial number and make it read-only, set feature installation states, set visibility of features on the Custom Setup dialog box, configure default application settings, deploy custom files and import predefined application settings.

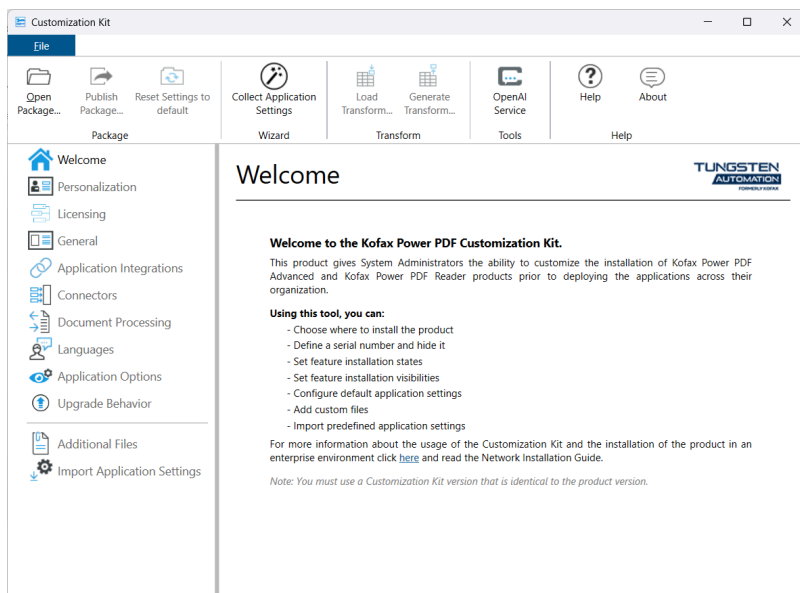
When you finish the necessary modifications and publish a package with the Customization Kit, the tool stores the modified settings in the following way:

- Personalization, General, Application Integration, Connectors, Document Processing, Languages, Application Options, and Upgrade Behavior settings are stored in the admin_customSettings.mst transform file. This transform file is located beside the .msi package file.
- Additional Files and Import Application Settings are stored beside the .msi package file.

The subsequent sections detail the most of the settings offered by the UI but not all. More settings are available by command line switches. For details on all settings, see [Command line switches and features](#).

Basic customization workflow

1. Launch the **Customization Kit**.



2. Click **Open Package** in the **Package** group and select the supplied .msi file.
3. Specify parameters for your own package in the different panels.
4. Optionally, add extra files or import application settings.
5. Click **Publish Package** in the **Package** group to finalize the customized installer for your own deployment.
6. Distribute the customized application to end users by doing any of the following:
 - a. Use command line for installation as described in [Client installation using command line](#).

! A command line installation must contain all the transform files necessary for your deployment, including the `admin_customSettings.mst` file generated by the Customization Kit in step 5.

i The manufacturer has already prepared the Printix builds with this file included. See [Prepare and customize a Printix build](#).

- b. Locate the folder where you saved your customized installer in step 5 and start Setup.exe.
- c. Select **Open Package** in the **Package** group, then browse to the customized .msi file such as Tungsten Automation PDF Advanced.msi, and open it.

Prepare and customize a Printix build

Printix builds are provided by the manufacturer as a self-extracting archive, which already customized and includes an `admin_customSettings.mst` file.

1. Open **Command Prompt** and change to the folder containing the self-extracting archive, for example `TungstenPowerPDFBusiness_for_printix-2025.3.0.exe`.
2. Use the following command scheme to unpack the archive to the specified folder, without starting the installer. Replace the placeholders with actual parameters.

```
TungstenPowerPDFBusiness_for_printix-2025.3.0.exe {ArchiveName} -u
-d {DestinationFolder}
```

Example:

```
TungstenPowerPDFBusiness_for_printix-2025.3.0.exe -u -d C:\Temp\Installer
```

For parameters and switches, see [Printix self-extracting archive parameters](#).

3. Follow the basic customization workflow, opening the `System64\Tungsten Power PDF Business.msi` installation file under the destination folder. See [Basic customization workflow](#).

Printix self-extracting archive parameters

Parameter or switch	Shortened version of the parameter or switch	Description
--unpack-only (Default: false)	-u	Unpack the installer to the default directory or to the directory specified by the --destination option, without launching the installer.
--destination	-d	Specify the folder where to unpack the installer files.
--verbose	-v	Enable verbose logging with detailed information during execution.
--help	n/a	Display this help information.
--version	n/a	Display version information.

Customize the installer

The first group of options includes Personalization, Licensing, General, Application Integration, Connectors, Document Processing, Languages, Application Options, and Upgrade Behavior.


Customizations from this group are saved into a transform (.mst) file.

If you want this .mst file, click **Generate Transform** in the **Transform** group and name your file.

If you want this .mst file with the predefined name (`admin_customSettings.mst`) and the entire installer files, click the **Publish Package** button in the **Package** group.

1. Click **Personalization**.

2. Specify basic customer information, such as User Name.
3. Set the destination folder by accepting the default installation value or clicking **Browse** to select a different location.

 Installation requires an empty destination folder.

You can restrict end users from modifying any of the preceding options. Select all/none, or select individual options to restrict access.

Licensing options

Customization Kit offers options for the licensing type. The selected option determines whether to display the Product Activation screen during installation or use the licensing type pre-selected in Customization Kit. Alternatively, use [command line licensing type switches](#).

1. Select **Licensing** on the left.
The **Licensing** tab appears.
2. If you have a Printix build, only **Printix licensing** is available. Enter **Tenant name** and **Tenant ID**.

 See [Prepare and customize a Printix build](#).

3. For regular builds, select a licensing type that fits with your organization.
 - a. To let users choose any of the licensing options below at installation time, select **User Choice**.
 - b. To rely on cloud licensing, select **Activate with Tungsten Automation Cloud License Server**.
Cloud licensing provides a flexible way to manage your license seats without requiring on-premise server installation. See [Cloud License Server configuration](#) for details.
The installer bypasses the **Product Activation** screen. After a successful authentication, the installed product connects to the cloud license server for activation.
 - c. To rely on your on-premise license server, select **Activate with Tungsten Automation License Server**.
For details on the server installation, configuration, and license management, see [License Server configuration](#).
The installer bypasses the **Product Activation** screen. The installed product connects to your license server for activation.
 - d. To rely on a legacy serial number with no on-premise or cloud license server involved, select **Activate with legacy Serial Number**.
The installer bypasses the **Product Activation** screen and prompts the serial number for activation. For the related command line option, see [Set the serial number](#).
4. Optionally, under **Suppress display of Serial Number**, configure where the serial number should remain hidden:
 - **in the Installer Wizard dialog.**
 - **in the About dialog of Power PDF application.**

For the related command line options, see the following topics:

- [Hide or show the serial number in the Installer Wizard dialog box](#)
- [Hide or show the serial number in the About dialog box of the application](#)

The selected option controls the activation, and users cannot override it at installation time.

General options

Use the general options to set basic preferences.

You can restrict end users from modifying the following options. Select all/none or select individual options to restrict access.

1. Click **General**.
2. Select the applicable check boxes to suit your preferences.

Use this panel to specify general settings for working with PDF files or Power PDF components, such as Power PDF Business, Convert Assistant, and Create Assistant.

i These features are not supported in Power PDF Reader:

- Launch Create Assistant at startup
- Install PDF Convert component

3. Specify the setup type suited to your needs.

Select the first option to display only the **Install Welcome**, **License Agreement**, and **Ready to Install** dialog boxes or use the radio buttons below to select **Typical** or **Custom installation**.

4. Select a help installation type by clicking on one of the options:
 - Click the **Online from Tungsten** option to access the Help online (internet access required on the workstation).
 - Click the **On premises** option and set the correct shared location if you have already downloaded and copied the Help files to a shared location on your server. See [How to install help](#) for details.
5. Modify the printer port name.

i The **Printer Port Name** option is not supported in Power PDF Reader.

Application Integration

You can hide any of the following options from end users. Select all/none or select individual options to hide.

1. Click **Application Integration**.
2. Select the desired integrations in programs and browsers.
Access in browsers depends on the selected application.

i The following options are not supported in Power PDF Reader:

- **Windows Explorer Integration**
- All options under **Office application integration**
- **Firefox Integration**

Windows Desktop Search Integration offers multiple choices. Indexing image-only PDF files is a performance-sensitive choice.

Connectors

Use the Connectors group to include cloud and DMS integration in your customized installation package.

1. Click **Connectors**.

The list of available connectors is displayed.

2. Mark **Enable Connectors** so that you can make your selections in the list.
3. Enable or disable each connector by selecting the check boxes individually.
4. For each preceding integration, you can specify whether to enable end users to see them. Select all/none or individually select integrations to hide from users.

Document Processing

Use the Document Processing parameters to filter the feature set for the Power PDF application.

1. Click **Document Processing**.
2. Select **Reader mode** to create a package with a predefined set of functions.

i The options under **Application mode** are not supported in Power PDF Reader.

3. When **Reader mode** is off, you can select features individually.
4. You can hide any of the preceding application features from end users. Select all/none or select individual features to hide. The **Reader mode** and **Advanced Edit mode** options are general parameters; therefore, their visibility depends on your installer settings.

i The following options are not supported in Power PDF Reader:

- Auto Save
- Bates Numbering
- Create dynamic PDF Forms
- Document Collaboration
- Favorites
- Flatten
- Copilot – Generative AI integration
- Indexing PDF files
- Optimize PDF Documents
- Reading Order
- Redact PDF Documents
- Remove Document Elements
- Scan
- Sequencer
- Split PDF documents
- Stationery
- Tagging PDF documents
- Use Clip Art
- Watched Folder
- Allow legacy mode image edit
- Enable watermark
- Read watermarks from a shared location

When Reader Mode is selected through the Customization Kit or the ISREADONLYMODE parameter is set using command line installation, then the Power PDF Business application is installed in Reader Mode for any user. However, in Citrix and Terminal Services servers, it is possible to use Power PDF in mixed mode. See [Use Power PDF Business in mixed mode \(Reader mode and normal mode\)](#).

Languages

Use the Languages group to set preferences for UI languages.

Click **Languages** to set the parameters of UI languages.

You can deploy more than one language at the same time and select one as the active language. Later, in the **Option** panel of the application, you can select another one.

- The **Default language** option specifies the actual UI of the running application. Possible values:
 - **Operation system language:** The application automatically selects the language based on the operating system language. If the OS language was not deployed, the language is English.
 - **Installation language:** The installer sets the installation language selected by the user. If the installation language was not deployed, the language is English.


- Selecting the UI languages:
 - **Installation language only:** Only the installation language resources are deployed beside English, which is always deployed, regardless of language settings.
 - **All available languages:** All available languages are deployed.
 - **Selected languages:** Select any available languages.

For command line switches related to UI languages, see [UI languages](#).


Application Options

Use the Application Options panel to select which options are displayed to the end user:

1. Click **Application Options**.
2. Allow end users to change some options in the applications.

 The default skin type is blue in Power PDF Business and dark gray in Power PDF Reader.

3. Set other application options.


 The following options are not supported in Power PDF Reader:

- **Hide downloading UI languages**
- **Load security settings** from server
- **Modify PDF creation options**
- **Show JavaScript button in the Edit tab of the ribbon**

4. Use the options to enable or disable the following:
 - Requiring a reason for each signature, along with facilities to edit the text
 - Displaying fields for location and contact information
 - Allowing signatures to be revoked and shown as such
 - Requiring time stamp verification of signatures

Upgrade Behavior

Use the Upgrade Behavior panel to define the application behavior in an upgrade scenario.

 The Upgrade Behavior feature is not supported in Power PDF Reader.

1. Click **Upgrade Behavior**.
2. Under **Legacy products**, set the behavior for a legacy product, such as PDF Converter Enterprise or PDF Converter Professional, currently installed on the system.
3. Under **Previous Power PDF version**, set the behavior for an earlier version currently installed on the system.

Optional: Finalize the transform file

Now that all desired parameters are set, you can optionally create a transform file (.mst) for your installer. To create the transform file:

1. Click **Generate Transform** in the **Transform** group.
Use this option to create a transform file (.mst) based on the differences between the open package and your settings.
2. Select a save location.
3. Specify a file name.
4. Save your transform file.
5. To resume work on an already existing transform file, click **Load Transform**.

Add more components to the package

Finalizing the transform file (above) is optional. You can also include other files such as plug-ins in your custom installation package.

1. Click **Additional Files**.
2. You can add/modify/remove and reorder files for your package.


Include existing application settings

To enhance propagating a shared collection of settings across your company, you can include settings from an already installed and configured Power PDF and include these in your deployment package.

Available choices are determined by your Import mode selections.

- Use default product settings: Use the default factory settings provided by a clean Power PDF installation.
- Use settings from the locally installed product: Use the settings of the Power PDF installation on the computer where Customization Kit runs.
- Browse for shared product settings: First collect settings on another computer where Power PDF installed, then import those settings into the deployment package. See [Import application settings from another computer](#) for details.

Make your selections under Settings to import. The selected options are stored in the [installation package](#).

 If the Security Profile check box is marked under Import Application Settings, the application's default Privacy and No Modification Security schemes in the Security panel are not transferred to the customized installation. If these two schemes are required, create two new custom schemes that are equivalent to them.

Import application settings from another computer

1. Start Customization Kit on the computer where your product installation is polled.

2. In the **Wizard** group, select **Collect Application Settings Wizard**.
3. Make your selections in the wizard.
The wizard only offers to collect the settings that are different from the package you opened.
4. Browse to the folder to store the collected settings.
5. Review your settings, then launch the collection process.
After a successful settings collection, you are ready to Import Application Settings.
6. Start Customization Kit on the computer where the deployment package should build.
7. To include your collected settings, select the **Browse for shared product settings** option under **Import mode**, then locate the folder where you stored the collected settings in step 4.

OpenAI Service tool

The Customization KIT provides the OpenAI Service tool supporting secure OpenAI key distribution within the organization. The tool encrypts your OpenAI keys required for the Group Policy Object (GPO) settings.

i Your customized package does not include your OpenAI keys, either encrypted or plain text form.

To encrypt your OpenAI keys, do the following:

1. Click **OpenAI Service** in the **Tools** group on the toolbar.
The **OpenAI Service** dialog box opens.
2. If you have an OpenAI subscription, do the following:
 - a. Select the **OpenAI** option.
 - b. Enter your OpenAI subscription key to the **Key** box.
The encrypted version of the key appears in the **Encrypted Key** box as you are typing.
 - c. Click **Copy** right to the **Encrypted Key** box to copy the encrypted key to the Clipboard.
 - d. Paste the encrypted key into your Group Policy Object that is set up for key distribution.
3. If you have a Microsoft Azure OpenAI subscription, do the following:
 - a. Select the **Microsoft Azure OpenAI** option.
This section consists of multiple key pairs. Each key field has its encrypted counterpart with a **Copy** button.
 - b. Enter your **Microsoft Azure OpenAI** subscription key to the **Key** box.
The encrypted version of the key appears in the **Encrypted Key** box as you are typing.


i If the **Use Azure role-based access control** option is selected in Azure Copilot, then you can leave this box blank. In this case, move to the next key in the section.

- c. Click **Copy** right to the **Encrypted Key** box to copy the encrypted key to the Clipboard.
- d. Paste the encrypted key into your Group Policy Object that is set up for key distribution.
- e. Repeat the above steps with all key pairs within the section.

Finish the installation package

When the desired parameters are prepared, you are ready to publish the package for your end users.


1. Click **Publish Package** in the **Package** group.
The **Publish Package** dialog box opens.
2. Under **Target Location**, click **Browse** and select an output folder.
It is recommended to have an empty folder for your published package (the tool warns you of this).
3. To prepare packages compatible with Microsoft Intune, select the **Publish the Microsoft Intune version of the package** option.
The **Microsoft Win32 Content Prep Tool location** box is enabled.
4. Under **Microsoft Win32 Content Prep Tool location**, click **Browse** and select the location of the Microsoft Win32 Content Prep Tool.
For details on Intune package publishing, see [Prepare Intune packaging for Windows](#).
5. Click **OK**.

 For confirmation messages appearing in Command Prompt windows, type **Y** to continue.

Packaging starts.

6. In case of Intune packages, if publishing was successful, a summary page opens.
Copy the **Install string** and **Uninstall string** for later use.
7. Click **OK**.

Your customized package is available at the target location.


 To restart constructing your package, click **Cancel**, then click **Reset Settings to default** on the ribbon.

To access this installation guide, click **Help** in the **Help** group. To view product version information, click **About**.

Client installation using command line

Power PDF Advanced supports special deployment systems such as Active Directory, Microsoft System Management Server and System Center Configuration Manager.

The client installation procedure always requires administrative privileges and must run with a per-computer installation context (ALLUSERS=1).

 The suppression of the required reboot does not eliminate the need for a reboot. A required reboot must still be performed before installing any hotfixes or using the product.

The following sections provide examples of client installation scenarios, using the following placeholders:

- *{install_path}*: Replace this placeholder with the installation folder path. If you omit the `INSTALLDIR` parameter, the product is installed into the default installation folder. (Installation requires an empty destination folder.)
- *{source_path}*: Replace this placeholder with the source folder containing the customized .msi package file.

In the following examples, the selected installation language is French (1036.mst). See [Transform file names by language](#) for details.

If you do not specify a language transform file:

- `_setup.exe` prompts for language selection.
- `msiexec.exe` installs the product in its default language (English).

Install Power PDF Business using command line

1. On the client computer, use **Run as administrator** to open a **Command Prompt** window.
2. Run the following command:

```
MsiExec.exe /i "c:\{source_path}\Tungsten Power PDF Business.msi"
INSTALLDIR="c:\{install_path}"
TRANSFORMS="c:\{source_path}\1036.mst;c:\{source_path}\admin_customSettings.mst"
```

3. If you saved a .mst file with Generate Transform in the **Transform** tab, then use one of the following commands:

- ```
MsiExec.exe /i "c:\{source_path}\Tungsten Power PDF Business.msi"
INSTALLDIR="c:\{install_path}"
TRANSFORMS="c:\{source_path}\1036.mst;c:\{source_path}\your_saved_transform.mst"
```
- ```
_setup.exe /l1036 /v"INSTALLDIR="c:\{install_path}"
TRANSFORMS="c:\{source_path}\your_saved_transform.mst"
```

i Both `setup.exe` and `_setup.exe` elevate the installation process. Use `setup.exe` to trigger the installation of prerequisites. If you use `Msiexec.exe`, ensure that you run Command Prompt as administrator.

Install Power PDF Reader using command line

1. On the client computer, use **Run as administrator** to open a **Command Prompt** window.
2. Run the following command:

```
MsiExec.exe /i "c:\{source_path}\Tungsten Power PDF Reader.msi"
INSTALLDIR="c:\{install_path}"
TRANSFORMS="c:\{source_path}\1036.mst;c:\{source_path}\admin_customSettings.mst"
```

3. If you saved a .mst file with Generate Transform in the **Transform** tab, then use one of the following commands:

- ```
MsiExec.exe /i "c:\{source_path}\Tungsten Power PDF Reader.msi"
INSTALLDIR="c:\{install_path}"
TRANSFORMS="c:\{source_path}\1036.mst;c:\{source_path}\your_saved_transform.mst"
```
- ```
_setup.exe /l1036 /v"INSTALLDIR="c:\{install_path}"
TRANSFORMS="c:\{source_path}\your_saved_transform.mst"
```

i Both `setup.exe` and `_setup.exe` elevate the installation process. Use `setup.exe` to trigger the installation of prerequisites. If you use `Msiexec.exe`, ensure that you run Command Prompt as administrator.

Client installation command line examples

The following example shows how to install Power PDF Business with different options. To install the product with a basic UI and without message box on completion, use the applicable command line:

- `MsiExec.exe /i "c:\{source_path}\Tungsten Power PDF Business.msi" INSTALLDIR="c:\{install_path}" /qb`
- `setup.exe /s /v"INSTALLDIR="c:\{install_path}" /qb"`

Where **q** defines what type of UI the installation uses:

- `/qn` specifies that the UI is not displayed.
- `/qb` specifies a basic interface with a progress bar.

Furthermore, (if used) a plus sign (`/qb+` or `/qn+`) specifies that a message box is displayed when the installation is finished.

To install Power PDF Reader with the same options as above, use one of the following commands:

- `MsiExec.exe /i "c:\{source_path}\Tungsten Power PDF Reader.msi" INSTALLDIR="c:\{install_path}" /qb`
- `setup.exe /s /v"INSTALLDIR="c:\{install_path}" /qb"`

During the installation of the application, specific installation options are available. Several InstallShield Wizard pages walk you through the available features. These installer features cover the different integration settings (into Microsoft Office, Windows, and Internet Explorer) and the optional components of the product. These features are controllable via Customization Kit and/or command line switches.

i You are also allowed to use standard MSI parameters to specify commonly used installation parameters like `USERNAME`, `COMPANYNAME`, `INSTALLDIR`, and `ISX_SERIALNUM`.

Command line switches and features

The features and command line switches are grouped and detailed in the following topics, following the order as the related controls appear on the user interface.

Personalization switches and options

Set the user's name

The `USERNAME` property refers to the user performing the installation.

USERNAME="{your user name}"

Example:

```
MSIEXEC.EXE /i "[full path]\Tungsten Power PDF Business.msi"
USERNAME="john.doe"
```



- If the USERNAME property is not set, the installer sets it automatically using values from the registry. Set the NOUSERNAME property (NOUSERNAME="1") to prevent the automatic setting of USERNAME.
- For Power PDF Reader, use "Tungsten Power PDF Reader.msi" as the installer file name in command line parameters.

Set the company name

The COMPANYNAME property refers to the organization or company of the user performing the installation.

COMPANYNAME="{your company name}"



If the COMPANYNAME property is not set, the installer sets it automatically using values from the registry. Set the NOCOMPANYNAME property (NOCOMPANYNAME="1") to suppress the automatic setting of COMPANYNAME.

Set the serial number

To set a specific serial number, use the following command line option:

```
ISX_SERIALNUM="{your serial number}"
```

For example:

```
MSIEXEC.EXE /i "[full path]\Tungsten Automation Power PDF Advanced.msi"
ISX_SERIALNUM="{your serial number}"
```

Hide or show the serial number in the Installer Wizard dialog box

Hide: EDITSN="0"

Show: EDITSN="1"

Example to hide the serial number:

```
MSIEXEC.EXE /i "[full path]\Tungsten Power PDF Business.msi" EDITSN="0"
```




The serial number is visible by default. For Power PDF Reader, use "Tungsten Power PDF Reader.msi" as the installer file name in command line parameters.

Hide or show the serial number in the About dialog box of the application

Hide: HIDEABOUTSN="1"

Show: HIDEABOUTSN=""

 The serial number is visible by default.

Licensing switches

The following sections detail how to set the licensing type and serial number for Power PDF.

Enable secure communication (HTTPS)

Enable: KLHTTPS="1"

Disable: KLHTTPS=""

Hide or show the serial number in the About dialog box of the application

See [Hide or show the serial number in the About dialog box of the application](#) for details.

Hide or show the serial number in the Installer Wizard dialog box

See [Hide or show the serial number in the Installer Wizard dialog box](#) for details.

Overwrite license settings on the destination computers

Enabling this setting affects all products on the destination computer relying on License Server.

Overwrite: KLOW="1"

Not overwrite: KLOW=""

Set the licensing option

To define the licensing option, set one of the following installer property values during command line installation:

- User Choice:

```
ACTMODE="Hybrid"
```

- Serial Number (Legacy):

```
ACTMODE="SN"
```

- License Server:

```
ACTMODE="LicSrv"
```

- Cloud License Server

```
ACTMODE="CloudLicSrv"
```


Set the serial number

See [Set the serial number](#) for details.

Show warning on Power PDF UI about expiring license

Enable: KLSLWE="1"

Disable: KLSLWE="0"

 The feature is enabled by default.

Specify primary License Server host name and port number

```
KLHOST="{hostname_string}"
```

```
KLPORT="{port_number}"
```

Specify backup License Server host name and port number

```
KLHOSTB="{backup_hostname_string}"
```

```
KLPORTB="{backup_port_number}"
```

General switches

Set application as your default viewer for PDF files

On: SETDEFVIEWER="1"


Example to turn on this setting:

```
MSIEXEC.EXE /i "[full_path]\Tungsten Power PDF Business.msi" SETDEFVIEWER="1"
```

Off: SETDEFVIEWER=""

Example to turn off this setting:


```
MSIEXEC.EXE /i "[full_path]\Tungsten Power PDF Business.msi" SETDEFVIEWER=""
```

 The feature is enabled by default. For Power PDF Reader, use Tungsten Power PDF Reader.msi as the installer file name in command line parameters.

View PDF files in Internet Explorer with Power PDF Business

On: ISDEFVIEWERIE="1"


Off: ISDEFVIEWERIE=""

 The feature is enabled by default.

Launch PDF Create assistant at startup

On: SSASSISTANSATSTARTUP="1"


Off: SSASSISTANSATSTARTUP=""

 The feature is disabled by default and not supported in Power PDF Reader.

Install PDF Converter component

On: SSCONVSTATE="1"


Off: SSCONVSTATE=""

 The feature is enabled by default and not supported in Power PDF Reader.

Create shortcut for Power PDF Business to Desktop

On: SSDESKTOPSHORTCUT="1"


Off: SSDESKTOPSHORTCUT=""

 The feature is disabled by default.

Delete the user settings when the product is uninstalling

On: DELUSERSETTINGS="1"

Off: DELUSERSETTINGS=""

 The feature is disabled by default.

Collect usage data

On: ANALYTICSI="1"

Off: ANALYTICSI="0"

Hide the delete user settings confirmation box when the product is uninstalling

The switch works only if Power PDF runs in basic silent mode, started with the `q/b` or `q/b+` command-line options.


If the switch is on, the message box about deleting user settings does not appear, but a progress bar is visible during uninstallation.

For example:

```
msiexec.exe /x "Tungsten Power PDF Business.msi" HIDEKEEPSETTINGMSG="1" /qb+
```

On: HIDEKEEPSETTINGMSG="1"


Off: HIDEKEEPSETTINGMSG=""

 The feature is disabled by default.

Show only Install Welcome, License Agreement, and Ready To Install dialog boxes on Setup Wizard

On: MINIMALUI="1"

Off: MINIMALUI=""

 The feature is disabled by default.

How to install help


The online help is available online by default. This is indicated by the following entry:

```
HELP_MODE="1"
```

The online help can also be provided by a local server alternatively. Perform the following steps to customize the help server location:


1. Set the HELP_MODE entry to 2, indicating that custom help location must be used:

```
HELP_MODE="2"
```

 If HELP_MODE is 2, entering a correct value for HELP_PATH_SHARED property is mandatory.

2. Set the HELP_PATH_SHARED entry to refer to the correct Help root path on your server. Substitute the items enclosed in curly brackets with your server parameters:

```
HELP_PATH_SHARED=\\{computername}\{sharedfolder}\
```

 This path should lead to the root folder of the help structure, and not to any of the language subfolders.


3. The root folder (HELP_PATH_SHARED) should have subfolders for each language. For example:

- \\{computername}\{sharedfolder}\en_US
- \\{computername}\{sharedfolder}\ja_JA

The offline documentation package does not include these subfolders. Create all required language subfolders using the folder names in the following table:

Language	Folder Name
Arabic	ar
Czech	cs_CZ
Danish	da_DK
German	de_DE
English (US)	en_US
Spanish	es_ES
Finnish	fi_FI
French	fr_FR
Hungarian	hu_HU
Italian	it_IT
Japanese	ja_JA
Korean	ko_KR
Dutch	nl_NL
Norwegian (Bokmål)	no_NO
Polish	pl_PL
Portuguese (Brazilian)	pt_BR
Russian	ru_RU
Swedish	sv_SE
Turkish	tr_TR
Chinese (Simplified)	zh_CHS
Chinese (Traditional)	zh_CHT


4. Extract the offline documentation package ("TungstenPowerPDFDocumentation_2025.3.zip") into a local folder. This creates a .zip file for each language.

 You can download the package from the [Fulfillment Site](#).

5. Identify the preferred language package file by the language code in the file name and extract it. This creates a folder with the same name.
6. In the extracted folder, open the "help" subfolder.
7. Copy the "PowerPDF_help" subfolder into the relevant language subfolder you created in step [3](#).
8. Repeat the above steps for all the required languages.

Printer port name

PDFPRINTERPORTNAME="{your port name}"


 This feature is not supported in Power PDF Reader.

Application integration switches

Windows Explorer integration

On: WINDOWSEXPLORERALL="1"

Off: WINDOWSEXPLORERALL=""

 The feature is enabled by default and not supported in Power PDF Reader.

Microsoft Word integration

On: WORDADDINALL="1"


Example:

```
MSIEXEC.EXE /i "[full path]\Tungsten Power PDF Business.msi"  
WORDADDINALL="1"
```

Off: WORDADDINALL=""

Example:


```
MSIEXEC.EXE /i "[full path]\Tungsten Power PDF Business.msi"  
WORDADDINALL=""
```

 The feature is enabled by default and not supported in Power PDF Reader.

Microsoft Excel integration

On: EXCELADDINALL="1"


Off: EXCELADDINALL=""

 The feature is enabled by default and not supported in Power PDF Reader.

Microsoft PowerPoint integration

On: PPTADDINALL="1"


Off: PPTADDINALL=""

 The feature is enabled by default and not supported in Power PDF Reader.

Microsoft Outlook integration

On: OUTLOOKADDINALL="1"


Off: OUTLOOKADDINALL=""

 The feature is enabled by default and not supported in Power PDF Reader.

Internet Explorer integration

On: IEINTEGRATIONALL="1"

Off: IEINTEGRATIONALL="0"

 The feature is enabled by default.

In Power PDF Reader, the integration menu supports the Open with Power PDF Reader command only.

Windows Desktop Search integration

Use the 'SSWDSSUPPORT' switch to turn on/off PDF iFilter that enables the Windows Desktop Search (WDS) integration.

On: SSWDSSUPPORT="1"

Off: SSWDSSUPPORT=""

If WDS integration is turned on, the Tungsten Power PDF built-in OCR (Optical Character Recognition) engine is used to find text on pages that contain only images. Using OCR makes indexing slower.

On: WDS_OCRNOTEXT="1"

Off: WDS_OCRNOTEXT=""

If the OCR is enabled, the e-Discovery functionality is used to discover additional text on image objects using OCR on pages that already contain text. Using e-Discovery makes indexing slower.

On: WDS_OCRNOTEXT_EDISC="1"

Off: WDS_OCRNOTEXT_EDISC="0"

If the OCR is enabled, you can define the first n pages which the OCR recognizes. To define this option, set the WDS_OCRNOTEXT_ISPAGES to "1", and set the WDS_OCRNOTEXT_NUMPAGES="number of pages".


For example:

WDS_OCRNOTEXT="1"

WDS_OCRNOTEXT_ISPAGES="1"

WDS_OCRNOTEXT_NUMPAGES="10"

The application runs OCR on the first 10 pages.

 Windows Desktop Search Integration features are disabled by default.

Connector switches

Enable/Disable all connectors

On: ISINSTALLCONNECTORS="1"

Off: ISINSTALLCONNECTORS=""

Box

On: NUCONN_BOX="1"

Off: NUCONN_BOX=""

DocuShare

On: NUCONN_DOCUSHARE="1"

Off: NUCONN_DOCUSHARE=""

Dropbox

On: NUCONN_DROPBOX="1"

Off: NUCONN_DROPBOX=""

EMC Documentum


On: NUCONN_EMCDOCUMENT="1"

Off: NUCONN_EMCDOCUMENT=""

Enterprise Connect

On: NUCONN_EC="1"

Off: NUCONN_EC=""

 In Enterprise Connect Framework version 16.2 and earlier, it is possible to enable opening and saving files from Enterprise Connect (EC) in Power PDF through the **File > Open and File > Save As** dialog boxes directly, without the use of the EC connector. To enable direct open and save, append your PDF application executable file name to Enterprise Connect's registry value, separated by a comma.

In case of Power PDF Business, edit the following key:

```
HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Open Text\Enterprise Connect\
ExtendedIntegrationSupportedApplications=[ExistingValue,]PowerPDF.exe
```

In case of Power PDF Reader, edit the following key:

```
HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Open Text\Enterprise Connect\
ExtendedIntegrationSupportedApplications=[ExistingValue,]PowerPDFRd.exe
```



- With EC Framework 16.2 version and later, this registry value change is not needed.
- Saving documents opened directly through the **File > Open** dialog boxes to the EC connector is handled as a new document upload, not as a new version save. This is intentional, to avoid issues with the synchronization process of EC.

Evernote

On: NUCONN_EVERNOTE="1"

Off: NUCONN_EVERNOTE=""

eDOCS

On: NUCONN_EDOCS="1"

Off: NUCONN_EDOCS=""



If eDOCS is disabled, two other properties are also turned off to ensure correct application behavior. These properties are NUCONN_EDOCS_ADDINX and ISEnableHBADDINOPTIONX.

eDOCS addin-in registration

On: NUCONN_EDOCS_ADDINX="1"

Off: NUCONN_EDOCS_ADDINX=""

Google Drive

On: NUCONN_GD="1"

Off: NUCONN_GD=""

HP Trim

On: NUCONN_HPTRIM="1"

Off: NUCONN_HPTRIM=""

iManage10

On: NUCONN_IMANAGE10="1"


Off: NUCONN_IMANAGE10=""

 For details, see [iManage connector and server configuration](#).

iManage Work

On: NUCONN_IMANAGE="1"

Off: NUCONN_IMANAGE=""

 If iManage Work is turned off, two other properties are also turned off to ensure correct application behavior. These properties are NUCONN_IMANAGE_ADDINX and ISENABLEIMANADDINOPTIONX.

iManage Work addin-in registration

On: NUCONN_IMANAGE_ADDINX="1"

Off: NUCONN_IMANAGE_ADDINX=""

NetDocuments

On: NUCONN_NETDOCUMENTS="1"

Off: NUCONN_NETDOCUMENTS=""

OnBase

On: NUCONN_ONBASE="1"

Off: NUCONN_ONBASE=""

OneDrive

On: NUCONN_ONEDRIVE="1"

Off: NUCONN_ONEDRIVE=""

SharePoint


On: NUCONN_SHAREPOINT="1"

Off: NUCONN_SHAREPOINT=""

Worldox

On: NUCONN_WORLDOX="1"

Off: NUCONN_WORLDOX=""


 All connectors are disabled by default.

Document processing switches

Reader mode

On: ISREADONLYMODE="1"


Off: ISREADONLYMODE=""

 The feature is disabled by default and not supported in Power PDF Reader.

Limited reader mode

On: ISLIMITEDREADONLYMODE="1"


Off: ISLIMITEDREADONLYMODE=""

 The feature is disabled by default and not supported in Power PDF Reader.

Advanced edit mode

On: ISDISABLEWRITEMODE=""


Off: ISDISABLEWRITEMODE="1"

 The feature is enabled by default and not supported in Power PDF Reader.

Auto save

On: ISINSTALLAUTOSAVE="1"


Off: ISINSTALLAUTOSAVE="0"

 The feature is enabled by default and not supported in Power PDF Reader.

AutoStore

On: NUAUTOSTORE="1"


Off: NUAUTOSTORE=""

 The feature is disabled by default.

Bates numbering

On: ISINSTALLBATESSTAMP="1"


Off: ISINSTALLBATESSTAMP="0"

 The feature is enabled by default and not supported in Power PDF Reader.

CaseMap support

On: ISINSTALLCASEMAP="1"


Off: ISINSTALLCASEMAP=""

 The feature is enabled by default.

Create comments summary

On: ISINSTALLCOMMENTPRINT="1"


Off: ISINSTALLCOMMENTPRINT=""

 The feature is enabled by default.

Create dynamic forms

On: ISINSTALLFORMTYPER="1"


Off: ISINSTALLFORMTYPER=""

 The feature is enabled by default and not supported in Power PDF Reader.

Document collaboration

On: ISDISCOLLABORATION="0"


Off: ISDISCOLLABORATION="1"

 The feature is enabled by default and not supported in Power PDF Reader.

Online collaboration

On: ISDISCOLLABORATIONONLINE="0"

Off: ISDISCOLLABORATIONONLINE="1"


 The feature is enabled by default and works only if [Document collaboration](#) is also enabled. For details on preparing for online collaboration, see [Collaboration Server configuration](#).

This feature is not supported in Power PDF Reader.

DRM security - FileOpen support

On: NUFILEOPEN="1"


Off: NUFILEOPEN=""

 The feature is enabled by default.

Export/Import/Migrate comments

On: ISEXPORTCOMMENTS="1"


Off: ISEXPORTCOMMENTS=""

 The feature is enabled by default.

Favorites

On: ISINSTALLFAVOURITES="1"


Off: ISINSTALLFAVOURITES="0"

 The feature is enabled by default and not supported in Power PDF Reader.

Fax via E-mail

On: NUFAXVIAEMAIL="1"


Off: NUFAXVIAEMAIL=""

 The feature is enabled by default.

File storage options

On: NUFILESTORAGE="1"


Off: NUFILESTORAGE=""

 The feature is enabled by default.

Flatten

On: ISFLATTENENABLE="1"


Off: ISFLATTENENABLE=""

 The feature is enabled by default and not supported in Power PDF Reader.

Full form handling – not just filling, except Highlighting and reset form

On: ISFORMTOOLENABLE="1"


Off: ISFORMTOOLENABLE=""

 The feature is enabled by default.

Copilot – Generative AI integration

On: ISINSTALLCOPILOT="1"


Off: ISINSTALLCOPILOT="0"

 The feature is enabled by default.

Imposition

On: ISINSTALLIMPOSITION="1"


Off: ISINSTALLIMPOSITION="0"

 The feature is enabled by default.

Indexing PDF files

On: ISINSTALLCATALOG="1"


Off: ISINSTALLCATALOG="0"

 The feature is enabled by default and not supported in Power PDF Reader.

Measurement tools

On: ISMEASURETOOL="1"


Off: ISMEASURETOOL=""

 The feature is enabled by default.

MicrosoftMicrosoft Purview Information Protection / AD RMS

On: ISINSTALLRMS="1"


Off: ISINSTALLRMS="0"

 The feature is enabled by default.

Optimize PDF documents

On: ISINSTALLOPTIMIZE="1"


Off: ISINSTALLOPTIMIZE=""

 The feature is enabled by default and not supported in Power PDF Reader.

PDF document comparison

On: ISINSTALLCOMPAREDOC="1"


Off: ISINSTALLCOMPAREDOC="0"

 The feature is enabled by default.

Read aloud

On: READALOUD="1"


Off: READALOUD=""

 The feature is enabled by default.

Reading order

On: ISREADINGORDER="1"


Off: ISREADINGORDER=""

 The feature is enabled by default and not supported in Power PDF Reader.

Redact PDF documents

On: ISCONTAINREDACTION="1"


Off: ISCONTAINREDACTION="0"

 The feature is enabled by default and not supported in Power PDF Reader.

Remove document elements

On: ISINSTALLEXAMINEDOC="1"


Off: ISINSTALLEXAMINEDOC="0"

 The feature is enabled by default and not supported in Power PDF Reader.

Scan

On: NUSCAN="1"


Off: NUSCAN=""

 The feature is enabled by default and not supported in Power PDF Reader.

Scan inbox

On: NUINBOXMONITOR="1"


Off: NUINBOXMONITOR=""

 The feature is enabled by default.

Security and digital signature

On: ISINSTALLDIGSIGN="1"


Off: ISINSTALLDIGSIGN="0"

 The feature is enabled by default.

Self-signed digital ID creation

On: NUSELFSIGNEDID="1"


Off: NUSELFSIGNEDID=""

 The feature is enabled by default.

Sequencer

On: ISBATCHPROCESSING="1"


Off: ISBATCHPROCESSING=""

 The feature is enabled by default and not supported in Power PDF Reader.

Sign PDFs with DocuSign

On: NUDOCUSIGN="1"

Off: NUDOCUSIGN=""


 The feature is disabled by default.

Sign PDFs with SignDoc

Use the property NUSIGNDOC to enable/disable the SignDoc support.

On: NUSIGNDOC="1"

Off: NUSIGNDOC=""

 The feature is enabled by default.

SignDoc server location

Use the property SIGNDOCURL to set the location of the SignDoc server. You can push this with the user macro with the following syntax:


```
SIGNDOCURL="\\{Computer name}\{folder1}\{folder2}\"
```

 The value must be a valid server address and available from the user's computer.

Trust SignDoc and root certificates

On: NUINSTTRUSTCERTS="1"


Off: NUINSTTRUSTCERTS=""

 The feature is enabled by default.

Signing and time stamping documents

On: ISDISABLESIGNATURE="0"

Off: ISDISABLESIGNATURE="1"

 The feature is enabled (0) by default.

Sign and mark

On: ISINSTALLSIGNANDMARK="1"


Off: ISINSTALLSIGNANDMARK="0"

 The feature is enabled by default and supports only the Handwritten Signature tool in Power PDF Reader.

Spell checker

On: ISINSTALLSPELLCHECK="1"


Off: ISINSTALLSPELLCHECK="0"

 The feature is enabled by default.

Split PDF documents

On: ISINSTALLPDFCHUNKER="1"


Off: ISINSTALLPDFCHUNKER="0"

 The feature is enabled by default and not supported in Power PDF Reader.

Stationery

On: NUSTATIONERY="1"


Off: NUSTATIONERY=""

 The feature is disabled by default and not supported in Power PDF Reader.

Tagging PDF documents

On: ISINSTALLRETAG="1"


Off: ISINSTALLRETAG=""

 The feature is enabled by default and not supported in Power PDF Reader.

Use Clip Art

On: ISINSTALLCLIPART="1"


Off: ISINSTALLCLIPART="0"

 The feature is enabled by default and not supported in Power PDF Reader.

Watched folder

On: ISINSTALLWATCHEDFOLDER="1"

Off: ISINSTALLWATCHEDFOLDER=""


 The feature is enabled by default and not supported in Power PDF Reader.

Allow legacy mode image edit

Set this parameter to "0" to enable only the Edit Object button and hide the Edit Text button, so the user needs to click twice to activate text editing on text blocks. Selecting the Allow legacy mode image edit option on the Document Properties page in the Customization Kit results in the same as setting the ISTOUCHUPNEWSTYLE parameter to "0".

On: ISTOUCHUPNEWSTYLE="1"

Off: ISTOUCHUPNEWSTYLE="0"


 The feature is enabled by default and not supported in Power PDF Reader.

Read stamps from a shared location

The STAMPCOMMONLOC property contains the location of stamps.

On: STAMPCOMMONLOC="\\{server}\{folder1}\..."


Off: STAMPCOMMONLOC=""

 The feature is disabled by default.

Enable watermarks

On: ISINSTALLWATERMARK="1"

Off: ISINSTALLWATERMARK="0"


 The feature is enabled by default and not supported in Power PDF Reader.

Read watermarks from a shared location

The WATERMARKCOMMONLOC property contains the location of watermarks.

On: WATERMARKCOMMONLOC="\\{server}\{folder1}\..."

Off: WATERMARKCOMMONLOC=""

 The feature is disabled by default and not supported in Power PDF Reader.

UI languages

Installation language only: If the value of the property NUUSERLANGUI is 0, the installer deploys the installation language and the English language. The installation language is selected as the default UI language.

This example deploys French and English UI languages. The application uses French by default:

```
MSIEXEC.EXE /i "[full path]\Tungsten Power PDF Business.msi"
NUUSERLANGUI="0" TRANSFORMS="1036.mst"
```

This example deploys only English UI language. The application uses English by default:

```
MSIEXEC.EXE /i "[full path]\Tungsten Power PDF Business.msi"
NUUSERLANGUI="0"
```

All available languages: If the value of NUUSERLANGUI property is 1, the installer deploys all the available UI languages. The default UI language of the application is the installation language.

This example deploys all the UI languages. The application uses French by default:

```
MSIEXEC.EXE /i "[full path]\Tungsten Power PDF Business.msi"
NUUSERLANGUI="1" TRANSFORMS="1036.mst"
```

This example deploys all the UI languages. The application uses English by default:

```
MSIEXEC.EXE /i "[full path]\Tungsten Power PDF Business.msi"
NUUSERLANGUI="1"
```

Selected languages: If the value of the property NUUSERLANGUI is 2, the installer deploys all the command line defined UI languages. The default UI language of the application is the installation language.

The supported languages and the command line options are indicated in the following table.


Command line options of UI languages

Language	Option
Arabic	NUARAU
Chinese (traditional)	NUCHTUI

Language	Option
Chinese (simplified)	NUCHSUI
Czech	NUCZHUI
Danish	NUDANUI
Dutch	NUDUTUI
English	NUENGUI
Finnish	NUFINUI
French	NUFREUI
German	NUGERUI
Hungarian	NUHUNUI
Italian	NUITAUUI
Japanese	NUJPNUI
Korean	NUKORUI
Norwegian	NUNORUI
Polish	NUPOLUI
Portuguese (Brazil)	NUBRAUI
Russian	NURUSUI
Spanish	NUSPAUI
Swedish	NUSWEUI
Turkish	NUTURUI

The following example deploys 4 UI languages: English, Chinese (Simplified), Spanish and German. The installation language is German. The default UI language is also German because DEFUILANG (see below) is not defined.

```
MSIEXEC.EXE /i "[full_path]\Tungsten Power PDF Business.msi"
NUUSERLANGUI="2" NUENGUI="1" NUCHSUI="1" NUSPAUI="1" NUGERUI="1"
TRANSFORMS="1031.mst"
```

 By default, the value of NUUSERLANGUI is 0. For Power PDF Reader, use the Tungsten Power PDF Reader.msi as the installer file name command line parameter.

Default UI language

The DEFUILANG property used to specify the default UI language of the application. The possible values are:

DEFUILANG="auto"


When starting, the application automatically selects the UI language based on the OS language. If the OS language was not deployed, the UI language is English.

DEFUILANG=""

The installer sets the UI language based on the installation language selected by the user. If the installation language was not deployed, the UI language is English. This is the default value.

The following example deploys 4 UI languages, English, Chinese (Simplified), Spanish, and German. The installation language is German. The default UI language is depending on the OS of the client computer.

```
MSIEXEC.EXE /i "[full path]\Tungsten Power PDF Business.msi"  
NUUSERLANGUI="2" NUENGUI="1" NUCHSUI="1" NUSPAUI="1" NUGERUI="1"  
TRANSFORMS="1031.mst" DEFUILANG="auto"
```

 For Power PDF Reader, use Tungsten Power PDF Reader.msi as the installer file name in command line parameters.

Application options


Color skins

Set the SKINTYPE command line switch:

- 1: Dark Gray
- 2: Light Gray
- 3: Blue
- 4: Purple

Example:


```
MSIEXEC.EXE /i "[full path]\Tungsten Power PDF Business.msi" SKINTYPE=3
```

 The default skin type is blue in Power PDF Business and dark gray in Power PDF Reader. For Power PDF Reader, use Tungsten Power PDF Reader.msi as the installer file name in command line parameters.

Allow running JavaScript

On: OPT_JS_ALLOWRUN="1"


Off: OPT_JS_ALLOWRUN="0"

 The feature is enabled by default.

Allow running JavaScript in documents with trusted certificates

On: OPT_JS_ALLOWRUN_TRUSTCERT="1"


Off: OPT_JS_ALLOWRUN_TRUSTCERT="0"

 The setting only comes into effect if the "Allow running JavaScript" feature is disabled. This feature is disabled by default.

Maintain revisions

On: SAVEREVISIONS="1"


Off: SAVEREVISIONS="0"

 The feature is enabled by default.

Show splash window

On: ISSHOWSPLASHSCREEN="1"


Off: ISSHOWSPLASHSCREEN="0"

 The feature is enabled by default.

Show start screen

On: ISSHOWSTARTSCREEN="1"


Off: ISSHOWSTARTSCREEN="0"

 The feature is enabled by default.

Use select tool as default instead of hand tool

On: ISUSESELECTTOOL="1"


Off: ISUSESELECTTOOL=""

 The feature is disabled by default.

Make comment tools persistent

On: ISCOMMENTTOOLPERSISTENT="1"


Off: ISCOMMENTTOOLPERSISTENT=""

 The feature is enabled by default.

Restore last view settings when reopening documents

On: ISRESTORELASTVIEW="1"


Off: ISRESTORELASTVIEW=""

 The feature is enabled by default.

Enable Ribbon Customization

On: ISALLOWCUSTOMIZERIBBON="1"


Off: ISALLOWCUSTOMIZERIBBON="0"

 The feature is enabled by default.

Enable playing of Multimedia and 3D content

On: ISEnable3DContent="1"


Off: ISEnable3DContent="0"

 The feature is enabled by default.

Allow user to disable/enable eDOCS connector

On: ISEnableHBADDInOption="1"


Off: ISEnableHBADDInOption=""

 The feature is disabled by default.

Allow user to disable/enable iManage connector

On: ISEnableIMANADDInOption="1"


Off: ISEnableIMANADDInOption=""

 The feature is disabled by default.

Allow user to disable/enable JavaScript

On: OPT_JS_DISABLEALLOWRUN="1"

Off: OPT_JS_DISABLEALLOWRUN="0"


 The feature is enabled by default.

Hide downloading UI languages

On: ISHIDEADDLANGUAGE="1"

Off: ISHIDEADDLANGUAGE="0"

Load security settings

 The feature is disabled by default and not supported in Power PDF Reader. Allow user to disable/enable the Load security settings option in the application.

On: ISSHOWLOADSECOPTION="1"


Off: ISSHOWLOADSECOPTION=""

Maintain Revisions

Allow user to disable/enable Maintain Revisions in the application.

On: ISSHOWREVOPTION="1"

Off: ISSHOWREVOPTION="0"


 The feature is enabled by default and not supported in Power PDF Reader.

Allow user to modify PDF creation options

Turn this feature off if you want to deploy read-only PDF printer settings and Create Assistant profiles.

On: ISDRIVERMODIFIABLE="1"


Off: ISDRIVERMODIFIABLE=""

 The feature is enabled by default and not supported in Power PDF Reader.

Allow user to disable/enable the View Documents in Internet Explorer option

On: ISENABLEIEPDFVIEWOPTION="1"

Off: ISENABLEIEPDFVIEWOPTION=""


 The feature is enabled by default.

Windows Desktop Search

Allow user to disable/enable Windows Desktop Search integration in the application.

On: ISENABLEWDSOPTION="1"


Off: ISENABLEWDSOPTION=""

 The feature is enabled by default.

Show JavaScript button on the Edit tab of the ribbon

On: `OPT_JS_SHOWBUTTON="1"`


Off: `OPT_JS_SHOWBUTTON="0"`

 The feature is enabled by default and not supported in Power PDF Reader.

Show next file and previous file in the File menu

On: `ISINSTALLVIEWFOLDER="1"`


Off: `ISINSTALLVIEWFOLDER="0"`

 The feature is enabled by default.

Show Open Revisions and Save Revisions in the File menu

On: `FILE_REVISION="1"`


Off: `FILE_REVISION="0"`

 The feature is enabled by default.

Show Recent Documents and Recent Places in the File menu

On: `FILE_RECENT="1"`


Off: `FILE_RECENT="0"`

 The feature is enabled by default.

Show Revert File in the File menu

On: `FILE_REVERT="1"`

Off: `FILE_REVERT="0"`

 The feature is enabled by default.

Page display options

Set the `OPT_PAGEVIEW_LAYOUT` command line switch:

- 1: Automatic
- 2: SinglePage


- 3: Continuous
- 4: ContinuousFacing
- 5: Facing

Set the OPT_PAGEVIEW_ZOOM command line switch:

- 6: Automatic
- 5: FitVisible
- 4: FitHeight
- 3: FitWidth
- 2: FitPage
- 1: ActualSize
- 8192: 12.5 percent
- 16384: 25 percent
- 32768: 50 percent
- 49152: 75 percent
- 65536: 100 percent
- 81920: 125 percent
- 98304: 150 percent
- 131072: 200 percent
- 262144: 400 percent
- 524288: 800 percent
- 1048576: 1600 percent
- 2097152: 3200 percent
- 4194304: 6400 percent

Example:


```
MSIEXEC.EXE /i "[full_path]\Tungsten Power PDF Business.msi" OPT_PAGEVIEW_LAYOUT=3,  
OPT_PAGEVIEW_ZOOM=65536
```

 The default value for pageview layout is automatic (value=1) and for pageview zoom is also automatic (value=6). For Power PDF Reader, use Tungsten Power PDF Reader.msi as the installer file name in command line parameters.

Load trusted certificates from an EUTL server

On: ISLOADEUTL="1"


Off: ISLOADEUTL="0"

 The feature is enabled by default.

Load certificates for eIDAS compliant qualified services only

On: ISLOADEUTLEIDAS="1"

Off: ISLOADEUTLEIDAS="0"

 The feature is enabled by default.

Signature switches

Signature appearance switches


The following switches affect the controls in the **Creation and Appearance Preferences** dialog box in Power PDF. To open the dialog box, click **Options** on the **File** menu, select the **Signatures** tab, then click **More** under **Creation & Appearance**.

Require Signing Reason

Selects the Require Signing Reason and Show Reasons check boxes in the application.

On: OPT_SIGN_REQUIREREASON="1"

Off: OPT_SIGN_REQUIREREASON=""


 The feature is disabled by default.

Disable Signing Reason-related controls

Disables the Require Signing Reason and Show Reasons check boxes in the Creation and Appearance Preferences dialog box. Also disables the Edit Reasons combo box in the Sign Document dialog box.

On: OPT_SIGN_DISABLEREASONS="1"

Off: OPT_SIGN_DISABLEREASONS=""


 The feature is disabled by default.

Show location and contact information

Selects the Show location and contact information check box in the application.

On: OPT_SIGN_LOCATION="1"

Off: OPT_SIGN_LOCATION=""


 The feature is disabled by default.

Disable the Show location and contact information check box

Disables the Show location and contact information check box in the application.

On: OPT_SIGN_DISABLELOCATION="1"

Off: OPT_SIGN_DISABLELOCATION=""


 The feature is disabled by default.

Include signature's revocation status

Selects the Include signature's revocation status check box in the application.

On: OPT_SIGN_REVOCSTATUS="1"

Off: OPT_SIGN_REVOCSTATUS=""


 The feature is disabled by default.

Disable the Include signature's revocation status check box

Disables the Include signature's revocation status check box in the application.

On: OPT_SIGN_DISABLEREVOCSTATUS="1"

Off: OPT_SIGN_DISABLEREVOCSTATUS=""


 The feature is disabled by default.

Require time stamp information

Selects the Require time stamp information check box in the application.

On: OPT_SIGN_TSINFO="1"

Off: OPT_SIGN_TSINFO=""


 The feature is disabled by default.

Disable the Require time stamp information check box

Disables the Require time stamp information check box in the application.

On: OPT_SIGN_DISABLETSINFO="1"


Off: OPT_SIGN_DISABLETSINFO=""

 The feature is disabled by default.

Allow the use of self-signed certificates during signature verification

On: SEC_SELFSIGNED_VALIDATE="1"


Off: SEC_SELFSIGNED_VALIDATE="0"

 The feature is enabled by default.

Allow the creation and use of self-signed certificates for signing

On: SEC_SELFSIGNED_CREATEANDSIGN="1"


Off: SEC_SELFSIGNED_CREATEANDSIGN="0"

 The feature is enabled by default.

Trust ALL root certificates in Windows Certificate Store for Signature verification

On: OPT_VERIFYSIGN_WCS_SIGNATURE="1"


Off: OPT_VERIFYSIGN_WCS_SIGNATURE="0"

 The feature is disabled by default.

Trust ALL root certificates in Windows Certificate Store for Certificate verification

On: OPT_VERIFYSIGN_WCS_CERTIFICATE="1"

Off: OPT_VERIFYSIGN_WCS_CERTIFICATE="0"

 The feature is disabled by default.

Online Collaboration server URL

Sets the server URL for the online collaboration server.

COLLABONLINESERVER="{collaboration_server_url_string}"

 The feature is not supported in Power PDF Reader.


Upgrade behavior

Set the behavior if legacy product was installed to the system

Ask the user: UPGLEGACY=""

Remove without any question: UPGLEGACY="1"


Keep without any question: UPGLEGACY="2"

 The default behavior is "Ask the user". This feature is not supported in Power PDF Reader.

Remove previous Tungsten Power PDF without question

On: UPGNOQUESTION="1"


Off: UPGNOQUESTION=""

 The feature is disabled by default.

Keep installer settings of the previously installed Tungsten Power PDF

On: UPGKEEP="1"

Off: UPGKEEP=""

 The feature is enabled by default.

Other switches

Use shared watermarks

Allows using shared watermarks within the deployed printer settings.


On: USESHAREDWTM="1"

Off: USESHAREDWTM=""

Scan to Desktop

Use the property S2DFILEPATH for Scan to Desktop in manual mode. You can push this with the user macro with the following syntax:

```
S2DFILEPATH="\\{Computer name}\Inboxes\{user}"
```

 The parameter for {user} must be entered. When the scan inbox is accessed, {user} is automatically replaced with the name of the person logged in to Windows and points to their inbox.


You cannot use this variable in conjunction with S2DSERVER or S2DSUBDIR.

Use the S2DSERVER property with ShareScan in "home directory" mode. The value must be a valid server address that contains the home directory information for the ShareScan users. If you use home directories, entering a value for S2DDSERVER is mandatory, but entering a value for S2DSUBDIR is optional.

```
S2DSERVER="\\{Server name}"
```

The S2DSUBDIR property must match the value for ShareScan "home directory" mode. This is an optional value.

```
S2DSUBDIR="\\{folder name}"
```

 Command line installation parameters always overwrite .mst file settings.


Client installation using Active Directory

Active Directory is a feature of Microsoft Windows servers. Group Policy (GPO), a component of Active Directory, includes a Software Installation snap-in that enables an administrator to create a network installation. The administrator can install software to Windows clients. The administrator cannot use the snap-in to install to clients with older versions of the Windows operating system.

Active Directory supports three main installation scenarios: Publish to Users, Assign to Users and Assign to Computers.

- Publish to Users adds the product to the list of installed programs that the user can access from the Control Panel. The program is not installed until the user selects to add it.
- Assign to Users adds a program shortcut to the user's Start menu and Desktop, and to the list of installed programs that the user can access from the Control Panel.
- Assign to Computers installs the software on the computer during the next computer reboot.

Power PDF Business supports the Assign to Computers scenario and installs the software when the computer is rebooted. The installation takes place silently, and the software is installed for all users on the computer.

 Power PDF Business does not support the Publish to Users or Assign to Users scenarios.

Active Directory also supports ZAP files as a mechanism for installing programs that are not compatible with the Microsoft Windows Installer. Because Power PDF Business is Windows Installer compatible, ZAP files are not necessary.

Platform-independent client installation using PowerShell

This procedure is compatible with both Intel and ARM-based Windows operating systems. Follow the steps to install an MSI package using a PowerShell script, deployed through a Group Policy Object (GPO).

1. Prepare the MSI package.
 - a. Ensure that the .msi file is accessible on a shared network location, for example:
Example: `\\Server\Share\Tungsten Power PDF Business.msi`
 - b. Verify that the computers and users in the target group have the appropriate permissions to access the shared file.
2. Create a PowerShell Script.
 - a. Use the following script to install the .msi package:

```
# Define the path to the .msi file
```

```
$msiPath = "\\Server\Share\Tungsten Power PDF Business.msi"

# Define installation arguments
$arguments = "/i `"$msiPath`" /qn /norestart"

# Start the installation process
Start-Process -FilePath "msiexec.exe" -ArgumentList $arguments -Wait
```

- b. Save this script as a .ps1 file, for example as InstallMSI.ps1.
- c. To include MST-based transformations in your PowerShell script, extend the arguments passed to msiexec.exe by adding the transformation option. Use the following script:

```
# Define the path to the .msi file
$msiPath = "\\Server\Share\System64\Tungsten Power PDF Business.msi"


# Define the path to the .mst file
$mstPaths = "\\Server\Share\System64\admin_customSettings.mst;\\Server\Share\System64\1033.mst"

# Define installation arguments, including the transformations
$arguments = "/i `"$msiPath`" TRANSFORMS=`"$mstPath`" /quiet /norestart"

# Start the installation process
Start-Process "msiexec.exe" -ArgumentList $arguments -Wait
```

To add multiple .mst files to your PowerShell script, separate the paths to the transform files with semicolons in the TRANSFORMS parameter in the following manner:

```
TRANSFORMS="path1.mst;path2.mst"
```

 Ensure that both the .msi and .mst files are accessible from the network path and that the appropriate permissions are granted. This script installs the MSI package with the specified transformations applied.

3. Deploy the script through a GPO.
 - a. Open the Group Policy Management Console (gpmc.msc).
 - b. Create a new GPO or edit an existing one.
 - c. Navigate to **Computer Configuration > Policies > Windows Settings > Scripts (Startup/Shutdown)**, and select **Startup**.
 - d. Switch to the **PowerShell Scripts** tab, then click **Add**.
 - e. Navigate to the .ps1 script file and open it.
4. Verify that the execution policy allows the script to run on the target computers. You can set it through the GPO.
 - a. Navigate to **Computer Configuration > Policies > Administrative Templates > Windows Components > Windows PowerShell**.
 - b. Set **Turn on Script Execution** to Allow all scripts.
5. Start the deployment of the MSI package.
 - a. Apply the GPO to a test organizational unit and verify that the MSI installs correctly.
 - b. Check the event logs on the target computers for any errors.

Deployment example (installation in existing organizational units)

This procedure is compatible with Intel-based Windows operating systems. For ARM-based operating systems, see [Platform-independent client installation using PowerShell](#).

Prerequisites:

- A deployment target computer that is a member of a domain, site, or organizational unit.
- MSI 3.1 installed on the target (client) computer.
- A working Active Directory environment.
- Installer ready for deployment on a shared network location including the previously created transform file. This file must contain at least the serial number of the product. See [Customization Kit](#). About the language-specific transform files in the case of a multi-language setup package, see [Transform file names by language](#).

Follow the steps to install an MSI package deployed through a Group Policy Object (GPO).

1. Select **Control Panel > Administrative Tools > Active Directory Users and Computers**.
2. Right-click the site, domain, or organizational unit that contains the deployment computer.
3. Select **Properties**, click the **Group Policy** tab, and then click **New**.
4. Specify a descriptive name.
5. Click **Edit**.
6. In the **Group Policy** window, right-click **Computer Configuration > Software Settings > Software Installation**.
7. Click **New**, and then click **Package**.
8. Select **Advanced Published or assigned**.
9. Click **OK**.
10. Select the right .msi package. Remember, different .msi package files must be used on 32- and 64-bit systems.
 - Use Tungsten Power PDF Business.msi for Power PDF Business.
 - Use Tungsten Power PDF Reader.msi for Power PDF Reader.
11. Select the **Modifications** tab, click **Add** when the **Properties** dialog box appears, and select the transform files with the modifications. In the case of a multi-language setup package, do not forget the relevant language transform file.
12. Click **OK**.

Active Directory is ready to install the product on client computers.


Client uninstallation


1. Select the package **Power PDF Business** from **Software settings > Software installation**.
2. Right-click and select **All tasks > Remove**.
3. Select **Immediately uninstall the software from users and computers**.
All integration entries are removed.

Group Policy settings

Group Policy settings for computer and user configurations are available in the Administrative template provided with Power PDF. The template is available in the `Tools\Group Policy Templates` folder in the distribution media of Power PDF Business, both in classic (ADM) and new (adml/adml) formats. Use the *Local Group Policy Editor* to configure these settings by editing Group Policy Objects. Both templates contain detailed explanations in English for each setting.

These policies are already installed and running control features, UI elements, and application options related to Power PDF Business.

 When using policy settings to hide buttons on the ribbon, consider that some buttons display dependent on the application state or context.

 The Administrative template and the Customization Kit share most settings, but these tools are not equivalent.

- Some of the features cannot be enabled in the Administrative template if they were not enabled before, during customization and installation.
- Reader mode is connected to the Customization Kit and becomes definitive by the installation process, so Reader mode cannot be enabled in the Administrative template.

Installation under Citrix Metaframe or Remote Desktop Services (formerly Terminal Services)

1. Log in as an administrator.
2. Browse the `setup.exe` of Power PDF Business from the installation media.
3. Follow the instructions in the InstallShield Wizard.
4. When the installation is complete, click the **Finish** button.
5. Log off, then log on again to complete the installation and to enable the proper functioning of various components.

Publish application

To publish product to client computers, follow the steps below:

1. In the Windows Start menu, select **Citrix > Management Consoles > Presentation Server Console**.
2. Log on to the **Server Farm**.
3. Right-click **Applications** and select Publish Applications (Ctrl + P). The Application Publishing Wizard launches.
4. Specify the **Display Name** and **Application Description** and click **Next**.

5. Select the **Application** option and click **Next**.
6. Under the **Command line** box, click **Browse** and locate the Power PDF Business executable as installed on the server, and click **Next**.
7. Select the servers that the Power PDF Business product runs on and click **Next**.
8. Specify the group of users whom you want to publish the application to and click **Next**.
9. Configure the appearance and location of the application shortcut and click **Next**.
10. Click **Finish** to publish the application or select **Configure advanced application settings now** to modify advanced options like Access control, File type associations, Limit of instances to run, Client options (such as encryption), and Application appearance (such as display size and color quality).

When you are finished, the published application becomes available under the Citrix Program Neighborhood on the client computers. If the application icon is not displayed there, double-click the Application Set Manager icon, then click Find New Application Set and follow the instructions in the wizard.

Use Power PDF Business in mixed mode (Reader mode and normal mode)

 This feature is not supported in Power PDF Reader.

In Citrix and Terminal Services servers, it is possible to use Power PDF in mixed mode. This means that one group of users can use Power PDF in Reader mode, while other users can use the same installation in normal mode. To configure the mode, Power PDF must be installed without Reader mode set, and for those users that need Reader mode, the following DWORD type registry value must be set:

```
HKEY_CURRENT_USER\SOFTWARE\Kofax\PDF\V1
```

```
ReaderMode=1
```

Access the installed product from clients

The following commands give you an example on how to access Power PDF Business from Citrix clients:

1. Have an installed Citrix client on the user computer.
2. Start Citrix MetaFrame Program Neighborhood.
3. Double-click **Application Set Manager**.
4. Create an ICA connection: double-click **Custom ICA Connection**, then double-click **Add ICA connection**.
5. Select the type of connection and click **Next**.
6. Enter a description for the connection and select the appropriate network protocol. Click **Next**.

7. Select to connect to the server, or to a published application. Change the defaults for encryption level and session reliability if you wish. Click **Next**.
8. Specify User Name, Password and Domain. Click **Next**.
9. Set the window color and size and click **Next**.
10. Browse to PDF application and the Working Directory. Click **Next**, then **Finish**.
11. To launch the application, double-click the application icon in the **MetaFrame Program Neighborhood** window.

Uninstallation

To uninstall the PDF application, follow the steps below:

1. Log in to the Remote Desktop Services or the Citrix server as an administrator.
2. Go to Add/Remove programs.
3. Select the PDF application.
4. Click **Remove**.
5. The server may require a system restart. If so, click **Yes**.
This removes all integration entries.

Microsoft App-V virtualization

This section describes how to sequence a Power PDF package and what additional installations are needed on the client computer. This guide shows how to integrate with Microsoft Office applications when Office is virtualized in another package.

Power PDF 2025.3 is tested with Microsoft App-V for Windows 10, Version 2004.


Virtualize Microsoft Office with Office Deployment tool

1. Download the Office Deployment Tool from Microsoft: <https://www.microsoft.com/en-us/download/details.aspx?id=49117>
2. Extract the .odt files.
3. Launch the downloaded .exe file.
4. Accept the EULA and click **Continue**.
5. Browse for a folder where the files of the Office Deployment Tool are extracted, and click **OK**.
6. Open and edit Configuration.xml with Notepad from the folder where you extracted the .odt files.
7. Change the content to the following:

```
<Configuration>  
<Add OfficeClientEdition="32">  
<Product ID="O365ProPlusRetail">  
<Language ID="en-us"/>  
</Product>  
</Add>  
</Configuration>
```

8. Change 32 to 64 if 64-bit office is needed.
9. Change en-us to the desired language code.
10. Save the .xml file.
11. Launch a Command Prompt (cmd.exe) with administrator rights (Run as Administrator).
12. Type the following line into the Command Prompt:

```
{path}\setup.exe" /packager "{path}\Configuration.xml" "{output path}
```
13. Replace {path} and {output path} with the actual paths, then press **Enter**.
14. Wait until the package is downloaded and converted, which may take several minutes.

 The following Microsoft Knowledge Base also describes how to deploy Microsoft Office 2013 using App-V 5.1: <https://technet.microsoft.com/en-us/itpro/mdop/appv-v5/deploying-microsoft-office-2013-by-using-app-v51>

Sequence Power PDF


Before sequencing Power PDF, perform the prerequisite steps in [Prepare computer for sequencing](#).

Prepare computer for sequencing

1. Prepare a clean computer.
2. Install Microsoft .NET Framework 4.8 Offline Installer. It can be downloaded from Microsoft: <https://dotnet.microsoft.com/download/dotnet-framework/net48> or can be found in the Prerequisites folder on the Power PDF installation media.
3. Select Windows update from Start menu, and then download and install all recommended updates.
4. Stop Windows Defender.
5. Go to Control Panel, change to Small icons view, and click **Windows Defender**.
6. In **Tools > Options > Administrator**, clear the **Use this program** option.
7. On Windows 10, click **Settings** then turn off **Real-time protection**.
8. Stop Windows Search.
9. Select **Control Panel > Administrative tools > Services**, and browse to Windows Search Service. Click **Stop**.
10. Disable Automatic Windows Update.
Search for "Update" in the Start menu, and then click **Check for updates**. Click **Advanced Options** and use the **Pause Updates** switch to turn off updates.
11. Install Microsoft App-V Sequencer.
12. Reboot the computer.

Sequence Power PDF as a plugin for Office

1. Launch the Microsoft Application Virtualization Sequencer.
2. Click **Create a New Virtual Application Package**.
3. Select **Create Package**, and click **Next**.
4. Resolve issues that are listed in the **Prepare Computer** dialog box. Click **Next**.
5. Select the **Add-on or Plugin** radio button, click **Next**.
6. Install Power PDF.
Under the **Select the installer for the application** box, click **Browse** and locate Setup.exe in Power PDF Advanced installation media and install Power PDF.

 It is possible to use either the original build or an installer package that you already customized and Published using the Customization Kit.

7. Expand the Office App-V Package: Click **Expand Package**. Wait until the package is expanded.
8. Select the **I have installed the primary parent program** check box and click **Next**.
9. Enter a name you prefer, such as PowerPDF as the package name. Avoid spaces. Click **Next**.

10. Go through the Power PDF Business installer steps:
 - Select language.
 - Click **Start installation**.
 - Accept the EULA and select the activation type.
 - If you select **Activate with legacy Serial Number**, Power PDF prompts you for the serial number.
 - If you select **Activate with Tungsten Automation License Server**, prompts you for the name or IP address of the computer running License Server.
 - Select **Custom install**, make necessary customization.
 - In the Destination folder step, make sure that the destination folder is the same as you defined in the App-V sequencer.
 - Complete the installation.
11. Select the **I am finished installing** check box and click **Next**.
12. Click **Next** in the **Installation Report** dialog box. The Installation report can report errors such as *Printer driver detected*, *Files excluded from package*, or *Unsupported shell extension detected*.
13. Select the **Customize** radio button, click **Next**.
14. Run and close applications one by one in the **Prepare for Streaming** dialog box, then click **Next**. If the **Terminate child processes** dialog box appears, click **Yes** to close the background processes.
15. Select **Allow this package to run on any operating system** and click **Next**.
16. Select **Continue to modify package without saving using the package editor** and click **Next**.
17. Click **Close** in the Package completed step.
18. In the Microsoft Application Virtualization Sequencer, select the **Virtual Registry** tab and update the following keys:
 - Add the Registry\Machine\Software\Google\Chrome\NavigateMessagingHosts\com.kofax.html2pdf key with the following content:

```
[[ProgramFiles]]\Tungsten\Power PDF 2025\bin\SChromeExtn\com.kofax.html2pdf.json
```
 - Select the Registry\User\[{AppVCurrentUserSID}]\Software\Kofax key and right click. Select **Key > Merge with Local Key** in the context menu.
 - Select the Registry\User\[{AppVCurrentUserSID}]\Software\Kofax\PDF key and right click. Select **Key > Merge with Local Key** in the context menu.
 - Select the Registry\User\[{AppVCurrentUserSID}]\Software\Kofax\PDF\PDF Driver key and right click. Select **Key > Merge with Local Key** in the context menu.
19. Select the **Package Files** tab, then select the Package-Root-VFS-Appdata-Tungsten-PDF-PDFDirect folder and delete it.
20. Select **File > Save** as and save the package.
21. Open PowerPDF_DeploymentConfig.xml with Notepad from the folder where the package was saved and edit it.
 - Find "<COM mode=" and change settings to the following:

```
<COM Mode="Integrated">  
<IntegratedCOMAttributes OutOfProcessEnabled="true" InProcessEnabled="true" />  
</COM>  
<!-- Objects -->  
<Objects Enabled="false" />
```

- Find "EnvironmentVariables" and change settings to the following:

```
<EnvironmentVariables Enabled="true">
<Include>
<Variable Name="MOZ_PLUGIN_PATH" Value="{AppVPackageRoot}\Bin\" />
<Variable Name="powerpdfinappv" Value="501" />
</Include>
```

22. Open PowerPDF_UserConfig.xml with Notepad from the created folder.

23. Find "<COM mode=" and change settings to the following:

```
<COM Mode="Integrated">
<IntegratedCOMAttributes OutOfProcessEnabled="true" InProcessEnabled="true" />
</COM>
<!-- Objects -->
<Objects Enabled="false" />
```

24. Copy the created folder (package) to a shared location.

Deploy on client computers

The following sections list the necessary preparations and steps to deploy App-V packages.

Prepare client

1. Install the Enterprise edition of Windows.
2. Install Microsoft .NET Framework 4.8 Offline Installer.
3. Install the Microsoft App-V client.
4. Reboot the computer.

Install printer driver

The printer driver is excluded during the sequencing process and must be installed locally on the client.

1. Browse for the installation folder of PDF Create for App-V deployed Power PDF and launch setup.exe.
2. Select a language and click **Start Installation**.
3. Finish the installation.

Deploy Microsoft Office App-V package

1. Launch **Accessories > Windows PowerShell > Windows PowerShell ISE** with Run as Administrator.
2. Type Set-ExecutionPolicy Unrestricted and press Enter. Click **Yes** to confirm the policy change.
3. Type Import-Module appvclient and press Enter.
4. Type Set-AppvClientConfiguration -EnablePackageScripts \$true and press Enter.
5. Type Add-AppvClientPackage -Path <path_of_Office.appv> -DynamicDeploymentConfiguration <path_of_DeploymentConfig.xml> | Publish-AppvClientPackage -Global and press Enter.

Change the following to the actual paths:

- <path_of_Office.appv>

- <path_of_DeploymentConfig.xml>

Wait until the package is added and published.

Verify that Microsoft Office 2013 has appeared in the Start Menu.

Deploy Power PDF App-V package

1. Type Add-AppvClientPackage -Path <path_of_PowerPDF.appv> - DynamicDeploymentConfiguration <path_of_DeploymentConfig.xml> | Publish-AppvClientPackage -Global and press Enter.
2. Change the following to the actual paths:
 - <path_of_PowerPDF.appv>
 - <path_of_DeploymentConfig.xml>
3. Wait until the package is added and published.

Set Connection Group

1. Copy the following text into Notepad:

```
<?xml version="1.0" encoding="UTF-16"?>
<appv:AppConnectionGroup
xmlns="http://schemas.microsoft.com/appv/2010/virtualapplicationconnectiongroup"
xmlns:appv="http://schemas.microsoft.com/appv/2010/
virtualapplicationconnectiongroup"
AppConnectionGroupId="" VersionId=""
Priority="0" DisplayName="PDF and Office">
  <appv:Packages>
    <appv:Package PackageId="" VersionId="" />
    <appv:Package PackageId="" VersionId="" />
  </appv:Packages>
</appv:AppConnectionGroup>
```

2. Open PowerShell ISE (Run as Administrator).
3. Create 2 new GUIDs with this command: [guid]::NewGuid()
4. Copy the new GUIDs between the quotation marks of AppConnectionGroupId and the first VersionId rows.
5. Type Get-AppvClientPackage to PowerShell ISE and press Enter.
6. Copy and paste the PackageId and VersionId for both the Power PDF and Office packages.
7. Save the file as Unicode text as ConGroup.xml.
8. Type Add-AppvClientConnectionGroup -path <path_of_ConGroup.xml> and press Enter.
9. Type Enable-AppvClientConnectionGroup -name "PDF and Office" -Global and press Enter.

Enable other integrations (optional)

1. Open Notepad.
2. Copy the PackageId of PowerPDF package from PowerShell and paste it to Notepad.
3. Type an _ (underscore) character after the package id.
4. Copy the VersionID of PowerPDF package from PowerShell and paste it after _ (underscore).
5. Open Regedit with admin rights.

6. Select HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\App\Client\RunVirtual key. The following sections detail the rest of the steps for various browsers.

Microsoft Edge

1. Right click **RunVirtual key** and select **New > Key** .
2. Type `microsoftedgecp.exe` and press Enter.
3. Right click (**Default**) and select **Modify**.
4. Copy the concatenated IDs from Notepad, paste to **Value Data** and click **OK**.
5. Right click **RunVirtual key** and select **New > Key** .
6. Type `msedge.exe` and press Enter.
7. Right click (**Default**) and select **Modify**.
8. Copy the concatenated IDs from Notepad, paste to **Value Data** and click **OK**.

Internet Explorer

1. Right click **RunVirtual key** and select **New > Key**.
2. Type `iexplore.exe` and press Enter.
3. Right click (**Default**) and select **Modify**.
4. Copy the concatenated IDs from Notepad, paste to Value Data and click **OK**.

Google Chrome

1. Right click **RunVirtual key** and select **New > Key**.
2. Type `chrome.exe` and press Enter.
3. Right click (**Default**) and select **Modify**.
4. Copy the concatenated IDs from Notepad, paste to Value Data and click **OK**.

Mozilla Firefox

1. Right click **RunVirtual key** and select **New > Key**.
2. Type `firefox.exe` and press Enter.
3. Right click (**Default**) and select **Modify**.
4. Copy the concatenated IDs from Notepad, paste to Value Data and click **OK**.

iManage connector and server configuration

Users can install the iManage 10 v2 connector with Power PDF Business, if the installation package is not configured otherwise. The following sections describe how to configure the iManage server to use with Power PDF Business.

Configure the iManage server

The Power PDF iManage connector uses OAuth2 authentication by default with the recent iManage server versions, which support the v2 API. If you want to use OAuth2 for Power PDF, you need to register the Power PDF application on the server side.

Register the Power PDF application in Control Center

1. Open Control Center.
2. In the **Dashboard** on the left, select **Applications**.
The **Application** panel appears on the right.
3. At the top-right corner, click **Add Application**.
The **Add Application** dialog box appears.
4. Click **Configure Manually**.
5. On the **Configuration** tab, fill the text boxes as follows, then click **Authentication**.
 - **Name:** Power PDF
 - **Description:** Power PDF Application
 - **API Key:** 00fb6221-3f3f-4b48-85e1-d2e49c8fd44f
 - **API Secret:** 7a71dd05-e921-4fcd-9246-94ea29b7d603
 - **Publisher:** Tungsten
6. On the **Authentication** tab, fill the text boxes and set the switches as follows, then click **Access**.
 - **iManage Work Authentication Required?:** Yes
 - **Application Type:** Native
 - **Redirect URL:** http://localhost/
 - **Client Secret Expires:** Never
 - **Allow Refresh Token:** Yes

i The **Allow Refresh Token** switch appears on iManage server version 10.3 or later. If this option is not available, use the iManageServer_ART.exe to enable it. See [Enable the Allow Refresh Token option using iManageServer_ART.exe](#) for details.

7. On the **Access** tab, select **All Users** then click **Access**.
8. On the **Review** tab, switch **Enable Application** to **Yes**, then click **Finish**.

As a result, Power PDF appears in the list of registered applications.

Enable the Allow Refresh Token option using iManageServer_ART.exe

On the iManage server versions earlier than 10.3, the Allow Refresh Token switch might not be available in the Application settings in Control Center. To enable **Allow Refresh Token**, use the iManageServer_ART.exe command line tool, which is located in the Power PDF installation package, in the `Tools\iManage server\config tool` subfolder.

1. Start the Command Prompt and navigate to the folder containing iManageServer_ART.exe.
2. Issue the following command:

```
iManageserver_ART.exe <server_url> <user_name> <password> <ClientID> [true/false]
```

Replace the variables in brackets with the actual parameters:

- *server_url*: The iManage server URL, such as **http://localhost/**
- *user_name*: The user name of your iManage server administrator account.
- *password*: The password of the above account.
- *ClientID*: The client ID of Power PDF, which is: **00fb6221-3f3f-4b48-85e1-d2e49c8fd44f**
- **true** or **false**: Optional parameters.

Use the iManage v2 connector without OAuth2

Power PDF uses OAuth2 authentication by default if the server supports the v2 API. To ignore OAuth2, do any of the following:

- Reveal and use the OAuth2 option in the Add Server dialog box.
 - a. In Power PDF, on the **Connectors > iManage** page of the Options dialog box, click **Add Account** to start the Add Server dialog box.
 - b. Double-click the **Web address** label above the text box.

Add Server

Web address:

https://serverURL

Enter the web address for the iManage server.

Use credential cache

Login

As a result, the Use Oauth2 option appears below, and becomes available as soon as the web address is specified.

Add Server

Web address:

https://serverURL

Enter the web address for the iManage server.

Use credential cache

Use Oauth2

Login

- a. In the Web address text box, specify the URL of the iManage server.
 - b. Click **Login** and proceed with the login process as usual.
- Alternatively, edit the setting in the configuration file.
 - a. In a plain text editor, such as Notepad, open the DMSProDMS.ini file, which is located in this folder:

```
%ProgramData%\Kofax\PDFProDMS.ini
```

If there is no such file, you need to create it manually.

- b. Append the following two lines to this .ini file, or edit these lines, if they already exist:

```
[iManage10]
DO_NOT_USE_OAUTH2=1
```

- c. Save the file.

Installation

This section includes the procedures you need to successfully install, activate and launch Tungsten Power PDF add-on for iManage 10.

You must have Tier 2 administrator or NRTADMIN iManage Work system administrator rights to install the program, and add its functions to the menu.

Install Power PDF add-on for iManage 10

Use this procedure to install Tungsten Power PDF add-on for iManage 10 workspace.

1. Log into your iManage webserver as an administrator.
2. Go to **Control Center**.
3. Select **Applications** in the settings group.
4. Click **Add Application** > **Upload Package**.
5. Browse to the <installation folder>\Tools\iManage server\addon and select the addon.zip file.
6. On the **Authentication** tab, set **iManage Work Authentication Required** to **No**.
7. On the **Access** tab, select users to have access to the Tungsten Power PDF add-on.
8. On the **Review** tab, make sure the add-on is enabled and the settings are correct. Click **Finish**.

The Tungsten Power PDF add-on is listed in the Applications.

If the Outlook work panel browser refuses to load with Work Desktop 10.5 and 10.6, refer to the Known issues section in the [Release Notes](#).

Customize the menu

Follow these steps to add the Tungsten Power PDF related functions to the iManage Work menu.

1. Log into your iManage webserver as an administrator.
2. Go to **Control Center**.
3. Select **Web Client** in the work clients group.
4. Click the **CONTEXT MENUS** tab.
5. Add the **Create PDF** and **Open with Convert Assistant** to the **Documents** menu.
 - a. Move the pointer over the top right corner of the **Documents** menu, click on the appearing pencil icon.
 - b. Click **+Add** at the bottom and select the new functionalities to add.
If it does not appear, click **Restore Defaults**.


c. Click **Save**.

Users can access the new functionalities the following ways:

- Click the ... icon beside the document.
- Click the icons on the header of the document list. The icons related to the new functionalities are displayed, when the box in front of a document is selected.
- Use the context-sensitive menu by right-clicking on a document.
- Open the preview of the document. The Tungsten Power PDF related icons are added to the toolbar.

Collaboration Server configuration

Enterprise customers can install Power PDF Collaboration Server, which is required for the Online Collaboration feature. Online Collaboration works across all remote locations that can access the Collaboration Server.

 Users should specify the [URL of the Collaboration Server](#) in Power PDF before starting the feature.

Install Collaboration Server

If you already have an earlier version of Collaboration Server installed, it needs to be uninstalled first. See [Uninstall Collaboration Server](#).

To install the Collaboration Server as a service, do the following:


1. Ensure that the console edition of the Collaboration Server is not installed on your computer. See [Uninstall the console application](#) for uninstallation instructions.
2. Download the Collaboration Server installation package from the company website. Find the actual location in the fulfillment email.
3. Extract the .zip file to an empty folder on the server.
4. Open the folder in **File Explorer**.
5. Optionally, modify the installation path in the .bat files.

The default installation path is `C:\PowerPDFCollaboration`. It is specified in each batch file at the `coll_inst_path` variable as follows:

```
set coll_inst_path=c:\PowerPDFCollaboration
```

Use a plain-text editor and update the following batch files by editing the value of the `coll_inst_path` variable as you prefer:

- `server_install_1_run_as_user.bat`
- `server_install_2_run_as_admin.bat`
- `server_launch_as_admin_nginx.bat`
- `server_stop_run_as_admin.bat`
- `server_uninstall_run_as_admin.bat`

 Be sure to specify the same installation path in all batch files.

6. Start `server_install_1_run_as_user.bat`.

 During installation, click **Yes** each time the **User Access Control** confirmation appears.

7. Start `server_install_2_run_as_admin.bat` by selecting **Run as administrator** from the context menu of the file.

Now Collaboration Server is installed. You can configure HTTPS (optional) and [run Collaboration Server](#) before using the Online Collaboration feature.

Configure ports and HTTPS for Collaboration Server

Collaboration Server can work with HTTP or HTTPS. HTTPS is recommended for security reasons.

i For HTTPS, Collaboration Server requires OpenSSL v3.0.16 or later.

1. Power PDF is shipped with a default self-signed certificate. Optionally, use your certificate to comply with your company's security.
 - a. Build your certificate.
 - If not installed, install OpenSSL. Find the installer (`Win64OpenSSL-3_0_16.exe`) under the `certgen` folder in the Collaboration Server package.

i Ensure you use the OpenSSL version mentioned above. Collaboration Server does not support other versions.

- Locate the `createopenssl.bat` script in the same `certgen` subfolder and update the path to the actual OpenSSL installation folder, modifying the following line:


```
OPENSSL_PATH=C:\Program Files\OpenSSL-Win64\bin\
```
- Run the `createopenssl.bat` script.

The script will prompt you to enter basic certificate parameters (such as country, state, city, organization, and email) and will automatically place the generated certificates and keys into their respective subfolders:

 - CLIENT (for client certificates)
 - SERVER (for server certificates)

- b. Replace the following certificate files on the server:

- `server.crt`: Server certificate
- `server.key`: PEM-format key file for `server.crt`

Locate the certificate files in a subfolder within the Collaboration Server installation folder. By default, this path is: `C:\PowerPDFCollaboration\web\nginx-1.14.2\conf`

- c. Replace the following certificate files on the computer where Power PDF runs:

- `ca.crt`: The certificate used to create or sign `server.crt` and `client.crt` certificates
- `client.crt`: Server certificate
- `client.key.pem`: PEM-format key file for `client.crt`

Locate the files in the `bin` folder under the Power PDF installation path. By default, this path is: `C:\Program Files\Tungsten\Power PDF 2025\bin`

2. Enable port 443 for HTTPS in Windows Firewall. Refer to [Microsoft firewall instructions](#) for details.

i Ensure that ports 80 and 443 are free and not used by any other application such as Internet Information Services (IIS).

You should [run Collaboration Server](#) before using the Online Collaboration feature.

Run Collaboration Server

Ensure that [Online collaboration](#) is enabled before using the feature.

To run Collaboration Server as a service:

1. In **File Explorer**, open the folder in which Collaboration Server is installed.
2. Start `server_launch_run_as_admin.bat` with administrator rights. To start with administrator rights, select **Run as administrator** from the context menu of the file.



- Collaboration Server continues to run even after you log off from Windows. If you restart the computer, Collaboration Server starts automatically.
- The server URL for Power PDF can be predefined using the `Edit Collaboration Server URL GPO` policy under the `Document Processing` group.
The URL should be constructed with the `http://` or `https://` prefix, followed by the hostname or IP address of the server.

Uninstall Collaboration Server

The following sections describe how to uninstall the different editions of Collaboration Server.

Uninstall the service

If Collaboration Server was installed as a service, do the following to uninstall it:

- Start `server_uninstall_run_as_admin.bat` with administrator rights. To start with administrator rights, select **Run as administrator** from the context menu of the file.

Uninstall the console application

Administrators could install earlier versions of Collaboration Server as a console application (using the package `TungstenPowerPDFCollaborationServer-1.0.0.zip` or `TungstenPowerPDFCollaborationServer-1.0.0.1.zip`). To remove the console application:

1. Stop the Redis service. Go to **Task Manager > Services**, right-click `Redis`, and then select **Stop** from the context menu that appears.

2. Stop nginx.exe. Go to **Task Manager > Details** , select `nginx.exe`, and then click **End task**.
3. Repeat the above step for all running instances of `nginx.exe`.
4. Delete the folder in which Collaboration Server was installed.
The default folder is `C:\PowerPDFCollaboration`.

License Server configuration

License Server supports only Power PDF Business and Power PDF Reader.

i Power PDF 2025.3 requires License Server 6.6.1

Ensure that the third-party components required by the [Technical Specifications](#) document are installed on the server computer before using License Server.

i Download the third-party installers from the internet or find those in the Prerequisite folder of the License Server installation package.

Install License Server and Client

The following steps use `InstallSAL.bat` to install both License Server and License Client on the server computer.

1. Download the installation package (TungstenLicenseServer-6.6.1.zip) from the company website. The actual location is included in the fulfillment email.
2. Extract the installation package to a temporary folder on the server computer and open the folder in **File Explorer**. The folder should contain a .iso file and the Prerequisite folder mentioned above.
3. Double-click the .iso file to map the content to the next free drive letter, such as D:.
4. Copy the `Installs` folder and `InstallSAL.bat` to a temporary folder, such as `c:\temp` on the server computer.
5. Optionally, set up HTTPS.

i Using HTTPS requires the Internet Information Services (IIS) feature enabled on the server computer.

- a. Create your self-signed certificate and copy the thumbprint.
 - On the Start menu, click **Administrative Tools > Internet Information Services (IIS) Manager**.
 - Double-click **Server certificates**, then in the **Actions** list on the right, click **Create Self-Signed Certificate**. The **Create Self-Signed Certificate** window appears.
 - Enter a certificate name you prefer, then click **OK**.
Your certificate appears in the **Server Certificates** list.
 - Double-click your certificate.
The **Certificate** dialog box appears.
 - On the **Details** tab, select the **Thumbprint** item in the list, then select and copy the thumbprint value from the box.

- b. Use a plain text editor to modify the thumbprint in the .bat file. Look for `SET CERTHASH=` and paste the thumbprint to the end of the line. Do not use spaces and quotes.
 - c. Look for `SET ENABLEHTTPS=` and append 1 to the end of the line.
 - d. Specify the port number as described below.
6. Optionally, specify the port number.
 - a. Open the .bat file in a plain text editor.
 - b. Look for `SET PORT=` and append the preferred port number to the end of the line. Do not use spaces and quotes.
The default ports are the following:
 - HTTP: 3581
 - HTTPS: 3582
7. Optionally, specify the log file path.
 - a. Open the .bat file in a plain text editor.
 - b. Look for `SET LOGFILEDIR=` and append the full path for the preferred log file location to the end of the line. Do not use spaces and quotes.
8. In the Start menu search box, type **Command Prompt**, then click **Run as administrator** on the right.
After the **User Access Control** (UAC) confirmation, the **Administrator: Command Prompt** window appears.
9. At the prompt, use the `CD` command to switch to the temporary folder where you copied `InstallSAL.bat`.
Example: Example:


```
CD c:\temp
```
10. For a new installation, enter `InstallSAL.bat` at the command prompt.
The installation script runs.

During a successful installation, the following messages appear at the command prompt:

- Server install succeeded.
- Client install succeeded.

Now License Server is installed. [Configure License Client](#) before license [activation](#).

License Server writes to the Windows event log when entering a warning period or a term is expired. Administrators can use these events to get notified in time for license renewal.

Upgrade the License Server and Client

To use the latest licensing features, upgrade both the License Server and Client.


1. Open the list of applications on your computer.
 - In Windows 11, go to **Settings > Apps > Installed apps** .
 - In other Windows versions, go to **Settings > Apps > Apps & features** .
2. Uninstall **Tungsten License Client**.
3. Uninstall **Tungsten License Server** .

4. Install the new version of the above apps. See [Install License Server and Client](#) for details.

Configure License Client

Do the following to configure License Client.

1. Obtain the name of the computer where License Server runs.
 - a. On the computer where License Server runs, go to **Settings** > **About** on the Start menu.
 - b. Under **Device Specifications**, use your mouse to select the **Device name** value and copy it to the clipboard.

 Alternatively, you can use the IP address of the computer.


2. On the computer or server where License Client is installed, click **Tungsten Automation License Client** on the Start menu.
The **Tungsten Automation License Utility** application appears.
3. On the **File** menu, click **Select Servers**.
The **Select Servers** dialog box appears.
4. In the **Primary License Server** box, paste the name of the computer running License Server.
5. For a secondary License Server, repeat steps 1 to 3 and fill in the **Secondary License Server** box.
6. Optionally, set up HTTPS.
 - a. Transfer the Server Certificate from the computer running License Server to the client computer. In a corporate IT environment, contact your system administrator for details.
 - b. Make sure the certificate is trusted.
7. Optionally, customize the report file path.
 - a. In Windows Explorer, open the folder where License Server is installed:
`C:\Program Files (x86)\Kofax\License Server`
 - b. In a plain text editor, such as Notepad, open the `KSALicenseService.exe.config` configuration file.
 - c. Look for the line `<add key="serverId" value=""/>` and add a new line after it.
 - d. In the new line, specify the report file path key according to the following template:
`<add key="ReportsPath" value="reportfilepath"/>`
Here *reportfilepath* stands for the absolute path to save the report file, for example:
`<add key="ReportsPath" value="C:\temp"/>`
 - e. Save your changes and close the text editor.
8. Restart the License Server service.

Now License Client is configured, you can use license activation. See [Activate a license](#).

Activate a license

Activation requires having your serial number and product code at hand. Find this code in the fulfillment email.

The following steps activate a license automatically, through an internet connection. For manual activation steps, refer to the *Activate Your Licenses* section in the Help for Tungsten Automation License Utility.

 To start the help, click Help topics on the Help menu.

1. On the computer or server where License Client is installed, click **Tungsten Automation License Client** on the Start menu.
The **Tungsten Automation License Utility** application appears.
2. On the **File** menu, click **Activate**.
The **Activate** dialog box appears with the **Machine ID** box already filled.
3. In the **Serial number** box, enter or paste your serial number (product key).
4. In the **Product code** box, enter or paste your product code.
5. Click **Automatic**.

Now your license is activated.

Enhanced license management

Enhanced license management requires License Server version 6.6.1.0.0.1570 or higher. For details on installation and upgrade, see [Install License Server and Client](#).


By default, if no Allow List file is available, License Server provides licenses upon request from any user.

Allow List format and location

To control the group of authorized users, you need to maintain an Allow List file on the computer that runs License Server. If the file is missing, all license requests are granted without user authorization.

The Allow List should be a plain-text file with UTF-8 encoding (`NamedUsersList.txt`) placed in the common application data folder. By default, the full path is:

```
C:\ProgramData\Kofax\Licensing\NamedUsersList.txt
```

 To override the default path, specify a report path by the `ReportsPath` setting in `app.config`. In this case, the Allow List path copies the report path.


The Allow List should specify all users authorized to consume a Power PDF or Power PDF Reader license by the Windows user name (domain\username), the security identifier (SID), or both. The list is case-insensitive. You may list a user with multiple entries. Place each entry in a separate line.

For example:

```
tungsten\user1
Tungsten\user2
S-1-5-21-2349634669-572318953-3610473378-2204
```

The above Allow List example grants the following:

- User1 can request a user license with `tungsten\user1`.
- User2 can request a user license with `Tungsten\user2`.
- The user with SID `S-1-5-21-2349634669-572318953-3610473378-2204` can request a user license.
- Any other user requesting a user license adds an error message to the log.

 User name formatting depends on the corporate environment. To make license allocation straightforward, use the SID if possible.


Allow List updates

You can edit the Allow List file, freely updating, removing, or adding user entries. License Server processes any updates automatically.

- Add a new user to instruct License Server to let the user consume a license as soon as Power PDF requests one on behalf of the user.
- Remove all entries of a registered user to instruct the server to release the consumed user license. However, this does not immediately affect the previously registered client. The client can continue to use Power PDF until the registration period is expired, but it cannot acquire a new registration and consume a license.
- Delete the Allow List file to suspend user authorization, and allow all users to request user licenses. Licenses already consumed remain registered and active.

Import users from an Active Directory group

Administrators can export users from an Active Directory (AD) group to `NamedUsersList.txt` using the following PowerShell script sample.

 The script requires the Active Directory tools installed on the computer and running PowerShell as an administrator. See [Install Active Directory tools](#) for details.

```
# Prompt the user to enter the group name
$groupName = Read-Host "Enter the name of the group"

# Get the group object
$group = Get-ADGroup -Filter "Name -eq '$groupName'"

# Get the members of the group, including those in nested groups
$members = Get-ADGroupMember -Identity $group -Recursive

# Create an empty hash table to hold the SIDs
$sids = @{}
```

```
# Create an empty array to hold the user objects
$users = @()

# Loop through each member and add their SID to the hash table
foreach ($member in $members) {
    if ($member.objectClass -eq "user") {
        $sids[$member.Sid.Value] = $true
        $user = Get-ADUser -Identity $member -Properties Name, EmailAddress
        $users += $user
    }
}

# Output the unique SIDs to a file
$sids.Keys | Out-File -FilePath "NamedUsersList.txt"

# Select the properties to export to the CSV file
$properties = "SID", "Name", "EmailAddress"

# Export the user objects to a CSV file
$users | Select-Object $properties | Export-Csv -Path "NamedUsersList.csv" -NoTypeInformation
```

The sample script prompts for the AD group name and then outputs these files:

- `NamedUsersList.txt` includes SIDs in a format appropriate for the Allow List.
- `NamedUsersList.csv` includes attributes such as user name and email address to provide more information.

Install Active Directory tools

[Importing users from an Active Directory group](#) requires Active Directory tools installed on the computer. You can install the RSAT tools directly from the Windows **Settings** app:

1. Open the **Settings** app.
2. Go to **Apps > Optional features**.
3. Click **Add a feature**.
4. Scroll down and select **RSAT: Active Directory Domain Services and Lightweight Directory Services Tools**.
5. Click **Install**.

About logging user license requests

License Server writes all messages specific to the Allow List file to the default License Server log file in the common application data folder. By default, the path is:

```
C:\ProgramData\Kofax\KSALic\logs
```

The file naming follows the `Lic_YYMM.txt` schema, where

- *YY* stands for the year on two numeric digits.
- *MM* stands for the month on two numeric digits.

For example, the file name for July 2023 should be "Lic_2307.txt".

Cause	Message
License acquisition failure occurs when the user is not on the Allow List.	Fail to acquire license (4000 - PowerPDF Named User). User <UserID> with <SID> is not found in the NamedUsersList file.
The license server reclaims a user license as the user was removed from the Allow List.	Releasing named user license (4000 - PowerPDF Named User) as the user <UserID> is not found in the NamedUsersList file.

Cloud License Server configuration

Cloud License Server (CLS) provides an alternative for the on-premise License Server (KLS) used to manage term-based product licenses for various Tungsten Automation products. Unlike KLS, Cloud License Server does not require customers to host the licensing server themselves: CLS is hosted by Tungsten Automation and enables Power PDF Advanced or Power PDF Reader to connect, verify, and receive licensing information for users.

Using Power PDF Advanced and Power PDF Reader with Cloud License Server requires tenant and license registration and administration in the Cloud Licensing Admin Portal, the front-end for cloud license administration. For details, refer to the [Power PDF Cloud Licensing Guide](#).

Configure Cloud License Server activation

After successfully configuring your tenant in the Cloud Licensing Admin Portal, use Customization Kit to prepare an installation package that limits the available activation methods for a more straightforward user experience.

i For the related customization options, see [Licensing options](#). For the related command line options, see [Set the licensing option](#).

1. In Customization Kit, click **Open Package** and browse the preferred .msi file.
2. On the **Licensing** tab, select **Activate with Tungsten Cloud License Server**.
3. Optionally, consider other customization steps you prefer. For details, see the sections under [Customization Kit](#).
4. Publish the package as detailed in [Finish the installation package](#).

Your customized package is available at the target location. Users should use a matching authentication method in the licensed product for a successful license seat activation.

Intune compatibility

Power PDF supports Microsoft Intune. The level of compatibility depends on the operating system:

- **Windows:** Power PDF Business and Power PDF Reader support Intune packaging with Customization Kit. For details, see [Prepare Intune packaging for Windows](#).
- **iOS:** Tungsten Power PDF Mobile supports Intune packaging, app configuration policies, and app protection policies. See [Prepare Intune packaging for iOS](#) for details.

Prepare Intune packaging for Windows

When publishing customized Power PDF Business or Power PDF Reader installation packages, an option is available for Intune compatibility. Customization Kit requires Microsoft Win32 Content Prep Tool for this purpose. If you do not have the tool on your computer, you need to download it and prepare for use.

1. Open your internet browser and visit <https://github.com/Microsoft/Microsoft-Win32-Content-Prep-Tool>.
2. In the right column, under **Releases**, download the latest .zip file.
3. Unzip the content of the file to a safe local folder.
The included folder (for example, `Microsoft-Win32-Content-Prep-Tool-1.8.6`) is extracted, containing the executable (.exe) and other files, such as the readme and release notes.
4. When publishing the package, in the **Publish Package** dialog box, browse to the above .exe file under **Microsoft Win32 Content Prep Tool location**.
For details on publishing, see [Finish the installation package](#).

Prepare Intune packaging for iOS

This section is prepared for administrators familiar with Intune.

Tungsten Power PDF Mobile for iOS v1.0.26 and above supports Intune deployment, app configuration, and protection. Proceed with the following steps to set up Intune for iOS:

1. Register the "Tungsten Power PDF Mobile" iOS app in Intune for deployment.
 - a. Log in to intune.microsoft.com
 - b. Go to **Apps > iOS/iPadOS apps** and click **Add**.
The **Select app type** panel appears on the right.
 - c. In the **App type** list, select **iOS store app**, then click **Select**.
The **Add app** page opens.
 - d. Click **Search the App Store** and search for **Tungsten Power PDF Mobile**. Select it in the list, then click **Select**.

- e. On the **Add App** page, complete the **App information** tab, then click **Next**.
 - f. Complete the **Assignments** tab, then click **Next**.
 - g. On the **Review + create** tab, click **Create** to complete the registration.
2. To set up App Protection Policies, go to **Apps > App Protection Policies** and create a new protection policy (**Create policy > iOS/iPadOS**).

i The following steps describe how to add a new protection policy. Alternatively, you can modify an existing policy instead.

- a. On the **Basics** tab on the **Create policy** page, provide a unique **Name** for the policy, then click **Next**.
 - b. On the **Apps** tab, select an item in the **Target policy to** list as your organization requires. If you selected any other option than **Selected apps**, click **Next** to proceed to the [next tab](#).
 - c. On the **Apps** tab, click **Select public apps**, search for **Tungsten Power PDF Mobile**, and select it. Click **Select**, then click **Next**.
 - d. Complete the rest of the tabs as your organization requires.
 - e. On the **Review + save** tab, click **Create** to confirm the changes.
3. To set up App Configuration Policies, go to **Apps > App Configuration Policies** and create a new configuration policy (**Add > Managed apps**).

i The following steps describe how to add a new configuration policy. Alternatively, you can modify an existing policy instead.

- a. On the **Basics** tab of the **Create app configuration policy** page, provide a unique **Name** for the policy.
- b. Select an item in the **Target policy to** list as your organization requires. If you selected any other option than **Selected apps**, click **Next** to proceed to the [next tab](#).
- c. On the **Basics** tab, click **Select public apps**, search for **Tungsten Power PDF Mobile** and select it. Click **Select**, then click **Next**.
- d. Complete the **Settings catalog** tab as your organization requires, then click **Next**.
- e. Complete the **Settings** tab. Add the required app configuration policy names and values in the **General configuration settings** section. Settings not specified here use the default value according to the table below.

App Configuration Policy name	Default value
allowOpenWifiDrive	false
allowOpenFromUnmanagedToManaged	true
allowDropboxTeamsToBeTreatedAsManaged	true
allowDropboxToBeTreatedAsManaged	true
allowedManagedDomains	null
encryptDataUploadToManaged	false

- f. Complete the **Assignments** tab, then click **Next**.
 - g. On the **Review + save** tab, click **Create** to confirm the changes.
4. Install Intune Company Portal to the mobile devices.
- a. Install the Comp Portal app to the mobile device.
 - b. Log in with a user assigned by the Deployment and App Protection Policy.
 - c. Follow the wizard to install the management profile.

The app deploys to the mobile device.

5. Enable **Intune App Protection** in the **Tungsten Power PDF Mobile** app.
- a. Start the **Tungsten Power PDF Mobile** app.
 - b. Go to **Settings** and scroll down to the **MICROSOFT INTUNE** section.
 - c. Select the **Intune App Protection** option.
 - d. Log in with a user assigned by the Deployment and App Protection Policy.
 - e. Restart Power PDF Mobile.

Protection and configuration policies take effect in the app.