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1 novaPDF OEM 10

1.1 Installing novaPDF OEM 10

1.1.1 What edition to choose?

There are three licensing options for novaPDF OEM 10: Lite, Standard and Professional.

novaPDF Lite implements the basic functionality of a printer driver, giving users the possibility to create high-quality searchable PDF files from any Windows application.

Main features:

- **PDF Linearization** - this give you the option to create PDF files optimized for loading on webpages (fast web view).
- **PDF/A Compliance**. Creates PDFs compliant with PDF/A-1a and PDF/A-1b specifications.
- **Merge PDF Files**. Append or insert content to an existing PDF file.
- **Document Information**. Include title, author, keywords in your PDF file.
- **PDF Viewer Options**. You can control how the PDF file will be displayed after it's generated in the default PDF viewer.
- **Custom Save Options**. Configure it to use predefined save settings.
- **After Save Actions**. Custom actions can be defined to be performed after the PDF was successfully generated.
- **Create Private Profiles**. Define different profiles for future use, each with its own printing settings.
- **Import/Export Profiles**. The printing profiles can be exported or imported into different installations.
- **Predefined/Custom Page Sizes**. Choose a default page size (like Letter, Legal, A3, A4, A5, A6, ...) or define your own.
- **Fonts embedding and font subsets embedding** - Fonts (TrueType, OpenType and Type1) can be embedded in the PDF file to ensure perfect portability.
- **Multi-language support** - choose a language for the user interface
- **Network printer sharing** - can be installed on one computer in a network environment and used by any other computer in that network.
- **Save PDF to Server** - can save the PDF from a client computer directly to the server.
- **Public Profiles** - Define profiles on the server computer and they will automatically be propagated to all client computers.
- **Add-ins for Microsoft Office**. novaPDF installs several add-ins for Microsoft® Office applications (Word, Excel, PowerPoint, Publisher, Visio) that allows one-click conversion to PDF.
- **PDF Bookmarks** - it can detect the headings in the printed document and add bookmarks in the generated PDF files. You have to define the text attributes for the document headings (font, size, style, color) and for the generated bookmarks.
- **Create PDF links** - recognizes links to files and formatted URLs (starting with "http://", "www", "mailto:" or "ftp://") visible in the original document, and creates them in the generated PDF file as links, so they can be opened by clicking them in the PDF viewer.
- **Printer Manager** - Add multiple virtual printers all using the same application driver.
- **Printer Monitor** - Monitor the printing jobs in realtime and filter saved printing logs.
**novaPDF Standard** has all the features of **novaPDF Lite** plus:

- **Graphics options** - You can compress, downsample or convert text and graphics to reduce PDF size.
- **PDF Watermarks** - You can define multiple image watermarks and add them to individual pages or the entire PDF document.
- **Page Left, Right, Top and Bottom Margins** - You can set a margin region that will remain empty when printing.
- **Page zoom (1%-400% zoom factor)** - You can zoom a page if you need advanced settings of how the document should be positioned on the PDF page.
- **Network printer sharing** - can be installed on one computer in a network environment and used by any other computer in that network.
- **Save PDF to Server** - can save the PDF from a client computer directly to the server.
- **Public Profiles** - Define profiles on the server computer and they will automatically be propagated to all client computers.

**novaPDF Professional** has all the features of **novaPDF Standard** plus:

- **Digitally sign PDF files** - you will be able to apply digital signatures to generated PDF files.
- **128 bit/256 bit AES and RC4 encryption** - full 128-bit and 256-bit AES encryption and RC4 is supported by novaPDF Professional and the user is able to control whether the PDF can be viewed, printed, modified, annotated or if it should permit copying/pasting content from it.
- **Send PDF via email** - once created, the PDF file can be automatically sent via email to different recipients, either using the default email client or directly from the application (using SMTP configuration). Additionally you can choose to zip the PDF and send it as attachment.
- **PDF Overlay** - this allows adding the content of the document currently being printed via novaPDF Professional as the background or foreground of an existing PDF file, with options to customize the position of that added content.
- **Network printer sharing** - can be installed on one computer in a network environment and used by any other computer in that network.
- **Save PDF to Server** - can save the PDF from a client computer directly to the server.
- **Upload PDF to FTP/SFTP** - once the PDF is generated you can upload it (or another file) to an FTP or SFTP server.
- **Public Profiles** - Define profiles on the server computer and they will automatically be propagated to all client computers.

### 1.1.1.1 License types

**novaPDF OEM 10** offers a wide array of licensing options suitable for anyone, from home users to enterprise entities. These licenses can be fixed based on **Computers / Users** or concurrent like the **Floating User / Floating Computer** licenses.

**Fixed Computer Licenses**

Fixed license activated on the desktop or server and permanently assigned to the Computer that prints to novaPDF (directly, via the shared network printer or remotely). Unlicensed computers are not allowed to print.

**Floating Computer Licenses**
Floating computer license activated on the server assigned temporarily (for 1 hour) to the Computer that prints to novaPDF (directly, via the shared network printer or remotely). Unlicensed computers are not allowed to print.

**Fixed User Licenses**
Fixed user license activated on the server assigned permanently to the Windows User that prints to novaPDF (directly, via the shared network printer or remotely). Unlicensed users are not allowed to print.

**Floating User Licenses**
Floating user license activated on the server assigned temporarily (for 1 hour) to the Windows User that prints to novaPDF (directly, via the shared network printer or remotely). Unlicensed users are not allowed to print.

All editions have both Desktop and Server functionality. novaPDF OEM 10 can be used as shared network PDF printer, via Remote Desktop Connection or Terminal Servers only if you own a license for each connecting computer or user that prints to it (directly, via the shared network printer or remotely).

### 1.2 Configuring novaPDF OEM 10

#### 1.2.1 Printer Manager

**1.2.1.1 Licensing**
This will allow you to manage the licenses for the printer currently selected. Managing licenses is useful when using the current printer as a print server to add/remove/license and un-license client computers.

**Licensing information**
This section shows information about the licensing status. It will display the product name and version, quantity, type of license (permanent/trial), activation status and activation details (name, company, email, comment, ...). For trial versions it will display how many days you have before the trial expires.

**Manage licenses**
This allows you to manage the licenses for the installed printer driver. Managing licenses is useful when using the installed printer driver as a print server (via the shared network printer or remotely) to add, license, un-license computers/users, and release licenses. See the Manage licenses section for details.

From this window you can also access the Activation section to activate/deactivate your license.

**1.2.1.1.1 Manage licenses**
This allows you to manage the licenses for the installed printer driver. Managing licenses is useful when using the installed printer driver as a print server (via the shared network printer or remotely) to add, license, un-license computers/users, and release licenses.
You can share a PDF printer to be accessible via other computers in the same network. If a print job is started from a computer in the network through the print server, the computer/user name is occupies automatically a license, as long as there are available licenses. If you have enough licenses, you don't have to configure anything, all computers/users will be automatically licensed when they initiate their first print job on the printer server. As the computers/users are being assigned a license, you will see the number of **Available licenses** decreasing, and the licensed status **Yes** near the name of the licensed computers/users.

The computers/users are automatically added in the license list even when the server is not licensed (in trial mode). In this case all computers will be listed as unlicensed. When the server is licensed, the computers/users in the list are licensed automatically as they print. If you have more computers/users in the list then the number of licenses, the computers/users that will not be able to secure a license.

You can see the number of the current available licenses in the lower right-hand part under the Available licenses text. If you wish, you can manage the licensed computers/users manually. You can **Add** licenses for the computers/users that connect via the shared network printer or remotely. By clicking on a computer/user from the list you will also be able to **License**, **Unlicense** or **Release** them (you'll see how the status from the Licensed column will change to Yes, No or -).

Depending on your network configuration, you can choose what machine names to use for licensing: **NetBIOS** names or **DNS** names. You can switch at any time between NetBIOS and DNS names. Just remember that if you already have machines licensed with one name they will not be recognized with the other name. You will have **Unlicense** all computers/users from the licensed list which became obsolete. The licenses made available will be reused by the new computers/users when they first print.

For floating computer/user licenses you can also control how long the license will be occupied by the computer/user. The minimum is 1h, but you can increase this period or set the license to be occupied permanently. Press the **Apply** button to make the changes or the Reset button to reset all the changes to the default 1h.

### 1.2.2 Profile Manager

The **Profile Manager** allows you to manage profiles (new, copy, edit, delete), their individual settings and access profile presets. Profiles are a set of configurations that will be used when creating the PDF file. As an example you can create different printing profiles based on what the output should be: a profile that outputs PDF documents intended for distribution, or another one for high quality PDF files printing, PDFs for review, marked confidential, ....

You can open **Profile Manager** as an administrator or as a regular user:

- to open **Profile Manager** as an administrator, open **Printer Manager** (go to **Start** and type "printer manager") then **Profiles->Manage Profiles**. If you set an administrator password, you'll be required to enter it to make changes.
- to open **Profile Manager** as a regular user, open **Devices and Printers** (go to **Start** and type "devices and printers"), right click on novaPDF OEM 10 and select **Printing Preferences**. Click on the **Manager Profiles** button.

Opening **Profile Manager** as an administrator gives you access to more options than when opening it as a regular user.
PROFILES LIST
When the novaPDF OEM 10 is installed, a default profile is created. This profile uses its own default printing settings to create the PDF files.
However you can change those settings and create a custom profile, that when used, will create PDFs using the options you've chosen. In novaPDF OEM 10 there are two types of profiles, private and public:

1. **Private profiles.** A private profile is visible only to the current user. By default new profiles are created as private and only the users from the computer where it was created will be able to see it and create PDFs using it.
2. **Public profiles.** Public profiles are visible from all client computers (or other users on the same computer) that connect to and print via the computer where they are defined (the printer server). When a public profile will be used, all the settings from that profile will be propagated to the client computers.

This list shows the profiles (both private and public) that were defined. The icon on the right of the profile name shows what type of profile it is (public or private). You can filter the shown profiles by starting to type in the search field and also use the Public/Private checkboxes to filter them by type.

MANAGE PROFILES

**New**
This will create a new profile based on the default one. You can change its settings by clicking on the different tabs available (General, Emails, ...) and use the Save button to record your changes and create the profile. It is created only after you click on the **Save** button, if you click on **Cancel** or select a different profile the current one will be discarded.

**Copy**
This allows you to duplicate an existing profile. To do so, just select an existing profile and click on **Copy**. Unlike the New option, when you copy an existing profile the duplicate is automatically saved with a different name (original name of the profile plus the word Copy). Removing the original profile doesn't affect in any way the existing copy of it.

**Delete**
Deletes the profile selected in the profiles list. You cannot delete the current active profile. You have to set another profile as active profile first. There will always be at least one profile.

**Set active**
Set the profile selected in the profiles list as current active profile. The active profile settings will be used in the subsequent printing jobs. Optionally you can check the **Show Select Profiles dialog** to show a prompt on each print job that will let you choose what profile you want to use for printing.

**Show Select Profiles dialog**
If this option is checked, before creating the PDF file from a document a window will prompt you to choose which profile to use for that printing job.
Advanced

When you click on the Advanced settings icon (grey gear on the right), you will see additional options:

- **Delete my profiles** - if you click on this you'll get a confirmation window that lets you choose if you want to delete all your defined profiles (the private profiles). Once the profiles are deleted, they cannot be recovered anymore.

- **Delete all profiles** - this will prompt a confirmation window to remove all the existing profiles (both private and public).

You can also click on the question mark to access the About window or open the Help file.

PROFILE SETTINGS

The profile settings group allows you to customize the current profile and change various options such as the possibility to send emails, add watermarks/bookmarks/overlays, protect the PDF, embed fonts and many others. You can visit each tab and change the options for:

1. General - this lets you select the profile type, describe it, set the PDF version, enable PDF linearization, set file saving options and after save actions.
2. Info - you can add document information (subject, author, keywords) and set PDF viewer options.
3. Fonts - this lets you embed all fonts, only subsets, protected fonts or disable embedding.
4. Graphics - you can compress the content, convert or downsample images to reduce the size of the resulting PDF.
5. Bookmarks - predefined bookmark configurations can be used or customized.
6. Security - you can password-protect a PDF document to restrict printing, copying or even opening it.
7. Other - this lets you customize the active PDF links in the resulting file and also set advanced options (such as text optimization).
8. Layout: watermarks, overlays and signatures - in the Layout section you can choose display options for the resulting PDF. You can use predefined forms (or add a custom ones), page orientation (portrait/landscape), add text/image watermarks, overlays or digitally sign the PDF.
9. Actions, email, upload - you can opt to send emails after a PDF is created, customize the recipients/email templates and define the SMTP server connections.

Each of the profile setting changes you modify will be available for the currently selected profile. You have to click on the **Save** button when you finish modifying the settings, or on **Cancel** if you wish to discard them all.

PROFILE SETTINGS PRESETS

Each of the profile settings tabs uses predefined configurations for certain sections. You can modify those presets either from the profile setting tab or open the separate preset window for each individual set of options. To do so, click on the right arrow next to the Profile text field (top-right corner of the Profile Manager window). This will show a drop-down list of all the profile settings presets that you can modify individually.

Each preset created for profile settings will show up on the main tab and available as a drop-down
option. For example, the presets that you create for the Save section, will show up as a drop down in General -> File saving options -> Save options. Each preset section has already defined default preset profiles, which cannot be modified. If you want to create a preset based on the default one, you can use the Copy option and Save it after you've done the necessary changes.

The navigation arrows (left/right) next to the Profile field allow you to browse between a preset profile window and the main profile settings window. You can read more about the presets in the Manage Presets help section.

Note: Some of the features mentioned on this page might not be available in your edition. The Professional edition includes all the features, while Standard and Lite have limited functionality. For a comparison between editions, please check feature matrix topic.

1.2.2.1 Other

The Other profile manager tab allows you to choose predefined link detection and advanced presets or customize those to enable active PDF links in the resulting PDF file (with various styling options) and do optimizations. You can also define user tags to be used in the PDF document and create custom save rules.

Detect links

If this option is checked, it will allow you to enable automatic detection of visible links in text (both local and remote links) and customize the links' appearance in the resulting PDF file. In order to be detected and converted, the URLs must be visible in the original document and formatted to start with: "http://", "www", "mailto:", "ftp://" (unless when printing via the add-in for Microsoft Office that is able to detect hidden links too). By default a link detection preset is selected but you can manage the existing presets if you click on New/Manage. For detailed explanation of each link detection options see the Link formatting section.

Advanced

You can set some advanced options regarding how the printed documents will be processed and saved as a PDFs. By default an advanced preset is selected but you can manage the existing presets if you click on New/Manage. For detailed explanation of each of the advanced options see the Advanced options section.

Add user tags

You can define pairs of tag/value to be detected before the PDF is generated. novaPDF OEM 10 can then detect those tags from the original document and allows you to use those values as Macro names. It can also remove the whole page where a particular tag/value is present or removing only some parts of the text based on font formatting.

Example:
- Your original document (before sending it to novaPDF OEM 10 for converting) has the text
  MyTag=sales@novapdf.com
- You define in novaPDF OEM 10 - Profile Manager - Other - User tags the tag MyTag
- After it's defined, you can use it as a macro value by entering it in this format [K:MyTag]
- You can add an action to email the PDF and in the TO field you can enter the macro value [K: MyTag] - this will generate the PDF and send it afterwise to the sales@novapdf.com email
Optionally you can configure the application to remove that text when generating the PDF or the entire page where that text is present.

By default an Email user tags preset is defined and can be selected, but you can manage the existing presets if you click on New/Manage. For detailed explanation of each of the advanced options see the User tags section.

Add save rules
You can configure file saving rules that will modify the resulting filename of the PDF file. Some applications (i.e. Crystal Reports) will add by default their own name to the filename of an unsaved document, the result being (in the case of Crystal Reports) Crystal Reports – Document1.rpt. That's why you can define your own save rule that will remove the application name from the filename. Save rules can use regular expressions to alter filenames, and by default there is a preset included as an example. You can define your own preset if you click on New/Manage. For detailed explanation see the Save rules section.

Note: Some of the features mentioned on this page might not be available in your edition. The Professional edition includes all the features, while Standard and Lite have limited functionality. For a comparison between editions, please check feature matrix topic.

1.2.2.1.1 User tags

The User tags section is embedded in the Other tab of the Profile Manager and allows you to set some advanced options regarding how the user tags will be processed.

**USER TAGS**

This group allows you to choose a predefined preset for user tags or use a custom one. By default there are several predefined advanced presets defined but you can add new or manage those by clicking on New/Manage. You can read more about predefined user tags presets in the Manage Presets->User tags help section. A predefined user tags preset can be used by multiple profiles, while Custom settings only affect the current profile.

You can define pairs of tag/value to be detected before the PDF is generated. novaPDF OEM 10 can then detect those tags from the original document and allows you to use those values as Macro names.

Here's an example on how you can use user tags to send a particular document to the Sales department via email:

- Your original document (before sending it to novaPDF OEM 10 for converting) has the text `MyTag=sales@novapdf.com`
- You define in novaPDF OEM 10 - Profile Manager - Other - User tags the tag **MyTag**
- After it's defined, you can use it as a macro value by entering it in this format `[K:MyTag]`
- You can add an action to email the PDF and in the TO field you can enter the macro value `[K:MyTag]` - this will generate the PDF and send it afterward to the sales@novapdf.com email address.
- Optionally you can configure the application to remove that text when generating the PDF or the entire page where that text is present.
Add/Copy/Remove/Up/Down
Click on Add and then the Tag/Default value fields will be enabled for you to enter the new user tag pair. You can define multiple user tags and only enable a few for the current profile. The application will search the document for the user tag value in the order that they are defined in this list. You can re-order them using the Up/Down buttons and Remove the ones you don't want to use anymore. The Default value field can be empty, however you can enter a value to replace with if the original document has the tag but without a value.

IMPORTANT:
In order to use the defined user tag as a Macro value, you will have to enter it in the field in this format [K:MyTag]
In this example, the name of the user tag is MyTag.

REMOVE USER TAGS POLICY

Do not remove anything
By default, novaPDF OEM 10 will convert the original document sent to it exactly as it comes without altering its content. Even if it detects user tags in the document, it will leave the content unchanged.

Remove pages with tags
If this option is selected and the application detects user tags in the document, it will exclude the pages that contain user tags from the original document when creating the PDF file.

Remove all text with specific font
novaPDF OEM 10 cannot remove the user tag (and its value) when converting the original document into PDF solely based on its content. If user tags are present in the original document and you don't want those included in the resulting PDF, you can style its font/size/color in a particular way so that novaPDF OEM 10 can detect it. Simply enable the Remove all text with specific font option here and then choose exactly the same font, size, style (bold/italic) and color as it is in the original document.

IMPORTANT: If this option is checked, novaPDF OEM 10 will remove any content that matches the formatting specified by you, not only user tags.

Note: Some of the features mentioned on this page might not be available in your edition. The Professional edition includes all the features, while Standard and Lite have limited functionality. For a comparison between editions, please check feature matrix topic.

1.2.2.1.2 Save rules

The Save rules section is embedded in the Other tab of the Profile Manager and allows you to define and use advanced filename/path saving rules.

SAVE RULES

This group allows you to choose a predefined preset for save rules or use a custom one. By default there are several predefined save rules presets defined, but you can add new or manage those by
clicking on New/Manage. You can read more about predefined save rules presets in the Manage Presets->Save Rules help section. A predefined user tags preset can be used by multiple profiles, while Custom settings only affect the current profile.

**Save rules**

Save rules can be used to modify the filename of generated PDF files in certain situations. For example, if you try to print to PDF an unsaved Notepad document the default filename will be "Untitled - Notepad.pdf". One of the default save rules included automatically removes the second part so the filename will be "Untitled.pdf". Custom save rules can be defined only for removing parts of a filename/path, you cannot use those to add/replace. You can Add a rule by providing a Name/ Description and

**Add rules**

You can add a new save rule by clicking on Add or Copy an existing one. Save rules are interpreted in the order they are defined, so you can use the Up/Down options to re-order the existing rules.

When adding a new save rule you will have to provide:

- **Name** - this is the name of the rule, it doesn't affect the name of the document
- **Remove** - save rules only remove parts of the filename, based on what you select:
  - **Front** - this will remove the matching Text only if it's at the front of the filename
  - **End** - this will remove the matching Text only if it's at the end of the filename
  - **All** - this will remove the matching text completely
  - **Expression** - the information used in the Text field will be interpreted as a regular expression
- **Text** - this is where you have to enter the text or regular expression you want to be used for the filename
- **Format** - only regular expression formats will be accepted here. For example \1 is interpreted as the contents of group 1, \2 is interpreted as the contents of group 2 and so on
- **Description**: add more info about the rule you are adding

Note: Some of the features mentioned on this page might not be available in your edition. The Professional edition includes all the features, while Standard and Lite have limited functionality. For a comparison between editions, please check feature matrix topic.

1.2.2.2 **Manage Presets**

1.2.2.2.1 **Other**

1.2.2.2.1.1 **User tags**

The User tags presets section allows you to manage the existing default presets or add new ones. These presets let you configure which user tags will be detected from the original document and what to do with their values. A preset can be used by multiple printing profiles and whenever a preset is updated, it will be modified automatically in all profiles that use it.

**MANAGE PRESETS**

**New**
This will create a new preset based on the default one. You can change its settings and use the Save button to record your changes and create the preset. It is created only after you click on the Save button, if you click on Cancel or select a different preset the current one will be discarded.

**Copy**
This allows you to duplicate an existing preset. To do so, just select an existing preset and click on Copy. Unlike the New option, when you copy an existing preset the duplicate is automatically saved with a different name (original name of the preset plus the word Copy). Removing the original preset doesn't affect in any way the existing copy of it.

**Delete**
Deletes the preset selected from the list of presets. You cannot delete the default presets that are included in the application.

**Browse**
You can use the left/right arrows in the top-right section of the window to navigate back to the profile manager page or forward to the preset window. You can also access quickly the presets by clicking on the Profile text next to the navigational arrows and selecting the preset section you want to read more about.

**PRESETS LIST**
When the novaPDF OEM 10 is installed, a default set of presets is included for each section that uses presets. These presets have predetermined unchangeable settings that are taken into consideration when creating the PDF files. However you can create custom presets based on the default ones that when used, will create PDFs using the options you've chosen. In novaPDF OEM 10 there are two types of presets, private and public:

1. **Private presets.** A private preset is visible only to the current user. By default new presets are created as private and only the users from the computer where it was created will be able to see it and use that preset in their profiles.
2. **Public presets.** Public presets are visible from all client computers (or other users on the same computer) that connect to and print via the computer where they are defined (the printer server). When a public preset will be used, all the settings from that preset will be propagated to the client computers.

This list shows the presets (both private and public) that were defined. The icon on the right of the preset name shows what type of it is (public or private). You can filter the shown profiles by starting to type in the search field and also use the Public/Private checkboxes to filter them by type.

**DEFAULT PRESETS**
The default link presets are automatically included in the application and available right after installation. These are presets created based on the most used scenarios for this section.

**Email user tags**
When this preset is used, the application will detect 5 user tags from the original document that can be used as macros when sending an email: MyEmailAddress, MyEmailCC, MyEmailBCC, MyEmailSubject, MyEmailBody. If any of these tags are present in the original document (that you
are converting to PDF), the application will extract its value and that can be used as a macro value in the resulting PDF. For example you can extract the value of MyEmailAddress and have an email sent automatically with the generated PDF to that address. This preset does not remove user tags included in the original document.

No user tags
This preset does not detect User tags from the original document.

USER TAGS
You can define pairs of tag/value to be detected before the PDF is generated. novaPDF OEM 10 can then detect those tags from the original document and allows you to use those values as Macro names.

Here's an example on how you can use user tags to send a particular document to the Sales department via email:

- Your original document (before sending it to novaPDF OEM 10 for converting) has the text MyTag=sales@novapdf.com
- You define in novaPDF OEM 10 - Profile Manager - Other - User tags the tag MyTag
- After it's defined, you can use it as a macro value by entering it in this format [K:MyTag]
- You can add an action to email the PDF and in the TO field you can enter the macro value [K:MyTag] - this will generate the PDF and send it afterwise to the sales@novapdf.com email address
- Optionally you can configure the application to remove that text when generating the PDF or the entire page where that text is present

Add/Copy/Remove/Up/Down
Click on Add and then the Tag/Default value fields will be enabled for you to enter the new user tag pair. You can define multiple user tags and only enable a few for the current profile. The application will search the document for the user tag value in the order that they are defined in this list. You can re-order them using the Up/Down buttons and Remove the ones you don't want to use anymore. The Default value field can be empty, however you can enter a value to replace with if the original document has the tag but without a value.

IMPORTANT:
In order to use the defined user tag as a Macro value, you will have to enter it in the field in this format [K:MyTag]
In this example, the name of the user tag is MyTag.

REMOVE USER TAGS POLICY

Do not remove anything
By default, novaPDF OEM 10 will convert the original document sent to it exactly as it comes without altering its content. Even if it detects user tags in the document, it will leave the content unchanged.

Remove pages with tags
If this option is selected and the application detects user tags in the document, it will exclude the
pages that contain user tags from the original document when creating the PDF file.

**Remove all text with specific font**

NovaPDF OEM 10 cannot remove the user tag (and its value) when converting the original document into PDF solely based on its content. If user tags are present in the original document and you don't want those included in the resulting PDF, you can style its font/size/color in a particular way so that NovaPDF OEM 10 can detect it. Simply enable the *Remove all text with specific font* option here and then choose exactly the same font, size, style (bold/italic) and color as it is in the original document.

**IMPORTANT:** If this option is checked, NovaPDF OEM 10 will remove any content that matches the formatting specified by you, not only user tags.

Note: Some of the features mentioned on this page might not be available in your edition. The Professional edition includes all the features, while Standard and Lite have limited functionality. For a comparison between editions, please check feature matrix topic.

### 1.2.2.1.2 Save rules

The *Save rules* presets section allows you to manage the existing default presets or add new ones. These presets let you define and use advanced filename/path saving rules. A preset can be used by multiple printing profiles and whenever a preset is updated, it will be modified automatically in all profiles that use it.

**MANAGE PRESETS**

**New**

This will create a new preset based on the default one. You can change its settings and use the *Save* button to record your changes and create the preset. It is created only after you click on the *Save* button, if you click on *Cancel* or select a different preset the current one will be discarded.

**Copy**

This allows you to duplicate an existing preset. To do so, just select an existing preset and click on *Copy*. Unlike the *New* option, when you copy an existing preset the duplicate is automatically saved with a different name (original name of the preset plus the word *Copy*). Removing the original preset doesn't affect in any way the existing copy of it.

**Delete**

Deletes the preset selected from the list of presets. You cannot delete the default presets that are included in the application.

**Browse**

You can use the left/right arrows in the top-right section of the window to navigate back to the profile manager page or forward to the preset window. You can also access quickly the presets by clicking on the Profile text next to the navigational arrows and selecting the preset section you want to read more about.
PRESETS LIST
When the novaPDF OEM 10 is installed, a default set of presets is included for each section that uses presets. These presets have predetermined unchangeable settings that are taken into consideration when creating the PDF files.
However you can create custom presets based on the default ones that when used, will create PDFs using the options you've chosen. In novaPDF OEM 10 there are two types of presets, private and public:

1. **Private presets.** A private preset is visible only to the current user. By default new presets are created as private and only the users from the computer where it was created will be able to see it and use that preset in their profiles.
2. **Public presets.** Public presets are visible from all client computers (or other users on the same computer) that connect to and print via the computer where they are defined (the printer server). When a public preset will be used, all the settings from that preset will be propagated to the client computers.

This list shows the presets (both private and public) that were defined. The icon on the right of the preset name shows what type of it is (public or private). You can filter the shown profiles by starting to type in the search field and also use the Public/Private checkboxes to filter them by type.

DEFAULT PRESETS
The default link presets are automatically included in the application and available right after installation. These are presets created based on the most used scenarios for this section.

Regular expressions
This preset includes 14 save rules that use regular expressions to detect certain text/path characters and remove or replace those.

SAVE RULES

Save rules can be used to modify the filename of generated PDF files in certain situations. For example, if you try to print to PDF an unsaved Notepad document the default filename will be "Untitled - Notepad.pdf". One of the default save rules included automatically removes the second part so the filename will be "Untitled.pdf". Custom save rules can be defined only for removing parts of a filename/path, you cannot use those to add/replace. You can Add a rule by providing a Name/Description and

Add rules
You can add a new save rule by clicking on Add or Copy an existing one. Save rules are interpreted in the order they are defined, so you can use the Up/Down options to re-order the existing rules. When adding a new save rule you will have to provide:

- **Name** - this is the name of the rule, it doesn't affect the name of the document
- **Remove** - save rules only remove parts of the filename, based on what you select:
  - **Front** - this will remove the matching Text only if it's at the front of the filename
  - **End** - this will remove the matching Text only if it's at the end of the filename
  - **All** - this will remove the matching text completely
- **Expression** - the information used in the Text field will be interpreted as a regular expression
- **Text** - this is where you have to enter the text or regular expression you want to be used for the filename
- **Format** - only regular expression formats will be accepted here. For example \1 is interpreted as the contents of group 1, \2 is interpreted as the contents of group 2 and so on
- **Description**: add more info about the rule you are adding

Note: Some of the features mentioned on this page might not be available in your edition. The Professional edition includes all the features, while Standard and Lite have limited functionality. For a comparison between editions, please check feature matrix topic.

1.2.2.2.2 Email

1.2.2.2.2.1 Outlook

The Outlook presets section allows you to use predefined presets for sending out an email with the generated PDF attached via Outlook. These presets allow you to define custom options for sending emails via Outlook. A preset can be used by multiple printing profiles and whenever a preset is updated, it will be modified automatically in all profiles that use it.

**MANAGE PRESETS**

**New**
This will create a new preset based on the default one. You can change its settings and use the Save button to record your changes and create the preset. It is created only after you click on the Save button, if you click on Cancel or select a different preset the current one will be discarded.

**Copy**
This allows you to duplicate an existing preset. To do so, just select an existing preset and click on Copy. Unlike the New option, when you copy an existing preset the duplicate is automatically saved with a different name (original name of the preset plus the word Copy). Removing the original preset doesn’t affect in any way the existing copy of it.

**Delete**
Deletes the preset selected from the list of presets. You cannot delete the default presets that are included in the application.

**Browse**
You can use the left/right arrows in the top-right section of the window to navigate back to the profile manager page or forward to the preset window. You can also access quickly the presets by clicking on the Profile text next to the navigational arrows and selecting the preset section you want to read more about.

**PRESETS LIST**
When the novaPDF OEM 10 is installed, a default set of presets is included for each section that uses presets. These presets have predetermined unchangeable settings that are taken into consideration
when creating the PDF files. However you can create custom presets based on the default ones that when used, will create PDFs using the options you've chosen. In novaPDF OEM 10 there are two types of presets, private and public:

1. **Private presets.** A private preset is visible only to the current user. By default new presets are created as private and only the users from the computer where it was created will be able to see it and use that preset in their profiles.

2. **Public presets.** Public presets are visible from all client computers (or other users on the same computer) that connect to and print via the computer where they are defined (the printer server). When a public preset will be used, all the settings from that preset will be propagated to the client computers.

This list shows the presets (both private and public) that were defined. The icon on the right of the preset name shows what type of it is (public or private). You can filter the shown profiles by starting to type in the search field and also use the Public/Private checkboxes to filter them by type.

### DEFAULT PRESETS

The default emails presets are automatically included in the application and available right after installation. These are presets created based on the most used scenarios for this section. You also have the option of sending out a **Test** email to see how it works.

**Open Outlook**  
If this preset is used, after the PDF is generated the application will start Outlook and attach the PDF files to a new email. The email will not be sent automatically.

**Send using Outlook**  
This preset is included as an example to show how you can send a generated PDF automatically with Outlook. You will need to make a **Copy** of it and then fill in the From/To email addresses, as well as the Subject/Body fields. The generated PDF will be attached to the email by default.

### OUTLOOK

**Name**  
You can type a name for the default preset you are editing/creating.

**Description**  
Add a description for the default preset you are creating/editing.

**Author**  
Optionally you can set the author for this default preset.

**Private preset**  
When the novaPDF OEM 10 is installed, a default preset is created. This preset uses its own default printing settings to create the PDF files. However you can change those settings and create a custom preset, that when used, will create PDFs using the options you've chosen. For each newly defined preset you can choose to have it as **Private** or **Public** by checking or unchecking the **Private** checkbox.
Open window before sending
If this option is selected, Outlook will be opened and the generated PDF will be attached automatically to a new email. The email will not be sent out automatically.

Send without opening window
You can enter in there the From/To email addresses as well as Subject/Body, and an email will be sent automatically after the PDF is generated (with it attached).

From/To
Add from/to/cc/bcc email addresses for the email that will be sent out.
You can configure the following email header properties:
- **From** address. This will show as the sender of the email (i.e. it can be your own email address)
- **To** email addresses. This is where the email will be sent out to, you can add multiple email addresses by separating them with semicolons (;).
- **CC** email addresses (use semicolon to add multiple addresses)
- **BCC** email addresses (use semicolon to add multiple addresses)

Subject
This is the subject of the email to be sent out. You can use macros to add automatically variables based on what PDF is being created. The following macro items can be added:
- [N] - The name of the document being converted
- [T] - The title of the document as defined in the Document section
- [B] - The subject of the document as defined in the Document section
- [A] - The author of the document as defined in the Document section
- [YMD] - Date in the format YYYYMMDD (year, month, day)
- [Y] - Year in the format YYYY
- [M] - Month in the format MM
- [D] - Day in the format DD
- [HIS] - time in the format hhmmss (hour, minute, second)
- [H] - Hour in the format hh
- [I] - Minute in the format mm
- [S] - Second in the format ss
- [C] - Counter in the format cc (it begins with 01 and increases at each printed document, if a file with the same name exists in the save folder)
- [W] - Workstation
- [U] - User name

Body
This is the body of the email to be sent out. You can use the same macros described above to add automatically variables based on what PDF is being created. If you are using SMTP or Outlook to send the emails, you can enter HTML content for the body of the email and preview it too. MAPIdoes not support HTML, only text.

Attach PDF
This option is checked by default and attaches the generated PDF file to the email that it sends out.
If unchecked, an email will still be sent out but with content only (eventually with other files attached if using the **Attach other files** option).

**Attach other files**
Checking this option will let you choose other files to be attached to the email being sent out. You can add files using the **Add Files...** button or by writing directly the path to the file(s) you want attached. If you want to quickly remove multiple files from this field, you can use the **Delete All** button.

**Zip email attachments**
If this option is selected, the PDF file will be compressed first and the resulting zip file will be attached to the email. If the option to attach other files is selected, then all files (including the generated PDF) will be zipped in a single archive and attached.

**Change zip extension to**
Some email clients block certain types of attachments, thus if you want to be sure the email is delivered with the attachment you can choose to change the extension of the attached file. Commonly the extension can be changed to .txt, and the recipient will rename it back to zip in order to extract the files. You can choose to change the extension from zip to any other type, by writing a new extension in the combo field near this option (there's no need to add "." before the type of extension, only the extension name).

**Protect attachments with password**
The zip attachment can be protected with a password for increased security (the PDF in the ZIP can also be password protected).

**Category**
Outlook has support for email categories, so you can enter in here the label of an existing category.

**Importance**
By default emails will be sent with a Normal importance. You can however change that to High, and Outlook will add a red flag to the email marking its importance. You can also reduce the importance to Low (no notification will be shown in Outlook). You can set other email options supported by Outlook:

- **Request read receipt** - you will receive a read receipt from the recipient after the email is opened.
- **Do not allow Forward** - the email you send cannot be forwarded (not all email clients support this feature)
- **Do not allow Reply** - the email you send cannot be replied to (not all email clients support this feature)
- **Do not allow Reply All** - the email you send cannot be replied to (not all email clients support this feature)
- **Delete after send** - the email will be deleted after it is sent (so it will not be stored in the Sent folder).

Note: Some of the features mentioned on this page might not be available in your edition. The Professional edition includes all the features, while Standard and Lite have limited functionality. For
a comparison between editions, please check feature matrix topic.
PDF Add-in for Office

Part II
2 PDF Add-in for Office

2.1 Configuring PDF Add-in

2.1.1 Settings

2.1.1.1 Printers

This lets you manage the available PDF printers.

With novaPDF OEM 10 you can create as many printers as you want, all sharing the same driver but each could use a different profile. From the list of Printers you are able to choose which will be active and how to handle the PDF creation. Furthermore, if you have older versions installed, those will show up as printers too in this list.
Show one Save As PDF button
If this is checked, in the Save As PDF section of the addin ribbon tab you'll be able to choose (with a drop-down) what printer to use for creating the PDF.

Show each printer as a button
You can also choose to show a different Save As PDF button for each printer in the ribbon addin tab.
3 novaPDF OEM

3.1 Introduction

novaPDF OEM is a PDF solution that programmers can use to generate PDF files that will be post-processed by their applications. novaPDF OEM can be installed on the 32/64-bit editions of these operating systems: Windows XP/2003 Server/2008 Server/Vista/Windows 7/Windows 2008 Server/Windows 8/Windows 2012 Server/Windows 10/Windows 2016 Server.

novaPDF OEM works as a normal PDF printer only that the output PDF file is saved to a location set programmatically during installation. novaPDF OEM is a post-processing solution, if you want a pre-processing PDF solution see novaPDF SDK.

How novaPDF OEM works:
- From your program's setup you start the installation of novaPDF OEM
- After the installation of novaPDF OEM is finished, any document sent to it for printing will be converted to a PDF file and saved in the location you've chose
- The PDF will not be shown to the user and it must be post-processed by your application

Details regarding novaPDF OEM:
- You don't have to integrate anything into your application. Since no integration is required your application can be written in any programming language.
- It is mandatory to distribute the novaPDF OEM printer in your application's setup. This is done under royalty free licensing (you only pay for the OEM license).
- You can integrate it without ordering, and purchase a license only after you have fully tested it.
- The licensed novaPDF OEM printer allows users to create PDF files from any application with printing capabilities. The resulting PDF files must be accessible only to your application.
- If you purchase a license you get free priority support.

Restrictions
You are not allowed to create a PDF printer driver using novaPDF OEM, or another application similar to a PDF printer driver (whose main purpose is to create PDF files). You can integrate and distribute novaPDF OEM with your application, as long as your application does some mandatory post-processing operations to the resulting PDF files.

3.2 Overview

3.2.1 Installation

Install
To install novaPDF OEM 10 on your computer you need to have administrative rights. The installation process does not take much time. All you need to do is follow the instructions of the "novaPDF OEM 10" wizard.

There is no need to reboot at the end of the setup; you can print to novaPDF OEM 10 right after it is installed on your machine. If you have already installed an older version of novaPDF OEM 10, you can install the new version on top of the older one, without uninstalling it. Your existing option
profiles will be preserved when installing a new version.

**Network install**

novaPDF OEM 10 can be installed on a central computer and used by any computer in the network. This is what you have to do:

Choose a computer in the network that will be the "print server". Install novaPDF OEM 10 on it, as described in the Install section.

If you will be connecting to novaPDF OEM 10 using Remote Desktop, Terminal Services or Citrix sessions then you do not need to share and install on the client computers anything.

If you are not using Remote Desktop, Terminal Services or Citrix you have to share the novaPDF OEM 10 printer. From any workstation ("client computer") in the network, connect to the shared novaPDF OEM 10 printer. You can connect to a shared network printer in several ways. Here are two of them:

- from Windows Start menu, Settings, open Printers and Faxes. Select Add Printer and choose the novaPDF OEM 10 server you shared on the "print server".
- in Windows Explorer, go to the "print server", open Printers and Faxes, select novaPDF OEM 10 server and from the pop-up menu choose Connect

After a connection was made to the novaPDF OEM 10, you can see it in your list of printers on the workstation ("client computer"). You can go to any application and print to it.

**Uninstall**

You can uninstall the application from Add or Remove programs from the Control Panel.

**Network uninstall**

On the workstations ("client computers") go to the Windows Start menu, Settings, open Printers and Faxes. Select the novaPDF OEM 10 printer and delete it. On the "print server" you can uninstall the application using the Add/Remove programs icon from the Control Panel.

### 3.2.2 System requirements

To install novaPDF 10 OEM Developer you need one of the following operating systems:

- Windows 2016 Server
- Windows 10
- Windows 2012 Server
- Windows 8.1
- Windows 8
- Windows 7
- Windows 2008 Server R2
- Windows Vista

novaPDF 10 OEM Developer requires Microsoft .NET Framework 4.6

If not already installed, it will be downloaded and installed by novaPDF 10 OEM Developer setup.
It needs approximately 280MB of free space.

### 3.2.3 Components

novaPDF 10 OEM Developer installs files in two folders:

In "C:\Program Files\Softland\novaPDF 9" the installer will create the following folder structure:

- **Driver**
  - contains printer driver files and some tools, like Printer Manager

- **Editor**
  - contains Profile Manager files

- **Server**
  - contains the novaPDF Server service files that works with the profile database

- **OEM\Bin**
  Sample application executable.

- **OEM\Doc**
  - contains the help files and the license files

- **OEM\Installer**
  Contains the msi files that will be injected with your application and license information to be distributed with your application.
  - novaPDF8PrinterDriver(x64).msi, novaPDF8PrinterDriver(x86).msi - installs printer driver, copies the files needed for driver, service and applications
  - novaPDF8OEM(x64).msi, novaPDF8OEM(x86).msi - installs configuration files (profiles database, license,...) and adds a printer

- **OEM\Tools**
  - novaPDF Co-Branding tool - customization tool for installers, see Customize your setup

In "C:\Users\Public\Documents\novaPDF 9\OEM" the installer will create the following folder structure:

- **Samples**
  Contains one sample application that is run after the PDF file is generated. The application receives as command line parameter the name and full path of the PDF file that was created.

- **Pdf**
  The folder where the Pdf files are saved by the sample application
3.2.4 **Network use**

**novaPDF OEM 10 network auto-install**

NovaPDF OEM 10 can be installed on one computer and can be used by any computer in the network, without having to install it on each computer. This is to ease the work of network administrators both at installation time and future upgrades.

NovaPDF OEM 10 supports Point and Print technology. This means that you can install the printer on one computer on the network, share it, and you can connect to it from any other computer. The system copies the necessary files for the driver, without any user interaction. On the server there are installed both i386 and x64 drivers and you can connect from the network with any i386 or x64 computers.

You can configure private or public profiles on the printer server. Public profiles will be visible on all client computers and all users. Private profiles are visible only for the user that created them. Public Profiles can be create only when the Profile Manager is opened in the administrative mode, from Printer Manager. More then that, in Printer Manager you can set an active public profile for the printer, so all users will be forced to use this profile.

3.2.5 **Multiple printers**

There can be added several printers, each of them using a different active profile. In this way, the users will decide to which printer to print instead of using the same printer and changing its active profile.

The best way to add multiple printers is at installation time. When running the Co-Branding Tool define all printers you wish to install. The msi that will be generated will add all these printer at installation.

NovaPDF printers can be added also manually from the Printer Manager tool. On the first page there can be added/deleted printers and on the second page there can be set which public profiles to be used with each printer. Take care that administrative privileges are required for adding / removing printers.

Printer Manager tool can also be run silently from command line. Take care to run it with administrative privileges.

To add a printer call the PrinterManager.exe tool, from the printer driver installation folder C:\Program Files\Softland\novaPDF 9\Driver. Call it for each printer with next command line parameters:

`PrinterManager.exe /silent /oem=<your OEM ID> /port=8501 /add /printer=<printer name> /printerport=<port name>`

It is better to add each printer on a different port so they can work independently. When multiple printers work on the same port, the documents are processed sequentially.

To assign a default active profile for a printer call the Printer Manager tool with next command line
parameters:

PrinterManager.exe /silent /oem=<your OEM ID> /port=8501 /printer=<printer name> /set /profile=<profile id>

Or you could perform both steps in one call, add a printer and set the active profile

PrinterManager.exe /silent /oem=<your OEM ID> /port=8501 /add /printer=<printer name> /printerport=<port name> /profile=<profile id>

You may see the profile id when you start the Profile Manager tool in administrative mode, from the Printer Manager tool.

Other optional command line parameters for PrinterManager.exe are:

/allowprivates=true (or false) - specify if the printer allows or not private profile to be created
/showselect=true (or false) - specify if Select Profile dialog should be shown when printing
/allowhide=true (or false) - specify if users are allowed to hide Select Profile dialog
/adminmode=true (or false) - specify if Profile Manager should be started in Admin mode only from Printer Manager; if false, Profile Manager is always started in Admin mode (where public profiles can be created/modified)

3.3 Integration

3.3.1 How to integrate

You have to follow these steps for integrating novaPDF 10 OEM Developer in your application:

1. Install novaPDF 10 OEM Developer
   When installing novaPDF 10 OEM Developer, a "novaPDF OEM 10" printer is added in the Printers list in Control Panel.

2. Check how our sample works
   You can print from any application to the "novaPDF OEM 10" printer and a PDF will be saved in next folder:
   C:\Users\Public\Documents\novaPDF 9\OEM\pdf
   After the PDF is saved a sample application is started. This application receives as parameter the file path of the saved PDF.

3. Make changes in your application
   Implement the changes in your application to receive the PDF path and file name as command line parameter and post - process the PDF file.

4. Test how your application prints to novaPDF OEM 10
   When you print to novaPDF OEM 10, the generated PDF files have an unlicensed notice on the
bottom of the PDF pages. To remove this text please read the How to make the release build topic.

### 3.3.2 How to make the release build

After you succeeded to integrate novaPDF 10 OEM Developer in your application, you have to follow next steps:

1. **Purchase a novaPDF 10 OEM Developer license**
   
   If you want to remove the novaPDF notice from the generated PDF files, you have to purchase a license. There are two types of application licenses:
   
   1. **Software application license** - this type of license allows you to develop, market and distribute ONE program or ONE software product that integrates the novaPDF 10 OEM Developer to an unlimited number of end users without any additional fees.
   
   2. **Component application license** - This type of license allows you to develop, market and distribute ONE component, ONE wrapper, ONE library or ONE module that integrates the novaPDF 10 OEM Developer to an unlimited number of end users without any additional fees.

   After purchase, you will receive an email with the next information:
   
   - license key
   - licence file
   - customization file

   Each licensed user will receive an unique ID that will guarantee your novaPDF 10 OEM Developer customized installers will install separately from the other users'.

2. **Customize redistributable novaPDF installers with your license**

   With novaPDF 10 OEM Developer, there is installed a tool called “novaPDF Co-Branding”. You should run this tool to generate the msi files customized for your license. You can start this tool from the novaPDF 10 OEM Developer installation menu. See Customize your setup for more details. You will need the resulting customized setup files in step 3 below.

3. **Install customized printer installation files**

   For testing purposes install novaPDF 10 OEM Developer running the resulting customized setup files (MSI) in the following order:

   On Windows 32 bit computers:
   
   - novaPDF9PrinterDriver(x86).msi - installs both 32 and 64 bit versions of the printer driver
   - novaPDF9OEM(x86).msi - installs the custom, licensed printer

   On Windows x64 computers:
   
   - novaPDF9PrinterDriver(x64).msi - installs both 32 and 64 bit versions of the printer driver
   - novaPDF9OEM(x64).msi - installs the custom, licensed printer

   You can install the msi silently using the following command line:
   
   msiexec /i <msi file name> /qn
You can install the package bundle silently using the following command line:
<setup name> /q

To create the final release build you need to create an installation package bundle and run it. See the Build an installation package bundle topic.

4. Print without unlicensed notice
Your printer should be licensed now so the generated PDF files should not have the unlicensed footer notice.

3.3.3 Customize your setup

Each developer that integrates a novaPDF 10 OEM Developer license will receive a unique OEM ID so its novaPDF installation does not interfere with other developers installation. In order to have an unique, licensed printer, you have to customize the setup that you will distribute with your application with the "novaPDF Co-Branding" tool. Run the tool and follow the wizard steps to generate the msi.

3.3.4 Co-Branding Tool

3.3.4.1 Folders

Branding folder
When starting the application, you will be asked for the branding folder. This is the folder where the new msi files will be generated. You can create a new folder or use an existing one. If you choose an existing folder, the files from the folder will be deleted and the original msi installers will be copied there and injected with the new properties.

Settings file
If you already have run the tool and you only wish to change some options, select the settings file from the previous run.

3.3.4.2 Files

There are several files that can be injected in the .msi:

Customization (.ctm) and License (.lic) files.

License file contains information about your license and Customization file is used for re-branding options. Contact novaPDF 10 OEM Developer support team for more information about re-branding.

When buying a the novaPDF 10 OEM Developer license will receive these two files. You should use them both to create a licensed printer.

If you do not have the novaPDF 10 OEM Developer license yet, select the "Use default Customizations (*.ctm) and License (*.lic) files" option to use some files that the novaPDF 10 OEM
Developer provide for trial testing.

**Controls (.ctl) file**

Special customization file for the Profile Manager tool. Contact novaPDF 10 OEM Developer support team for more information about customizing Profile Manager tool.

**Forms (.nps) file**

This file contains the printer forms available for the printer. This is a text file and you can modify it to distribute the forms you wish. User defined forms should have a format like this:

```
0;0;281;36x48 inches;36x48 inches;914400;1219200;0;0;0;
```

(increase the form number on third position and specify form width and height in thousands of millimeters)

**Resolutions (.npr) file**

This file contains the resolutions available for the printer. This is a text file and you can modify it to distribute the resolutions you wish. Resolutions should be values between 50 and 2400 and you can specify maximum 100 resolutions.

**EULA (*.rtf)**

Default EULA file is empty. You can select the EULA document for your application.

**Help (.chm) file**

If you wish to install a different help file in .chm format.

**Use only default profiles and presets**

It will be installed an empty profiles database, containing only default options. The default profiles database will overwrite existing profiles database from previous installation.

**Use profiles and presets you defined**

If you wish to distribute some public profiles with your application, you can define the public profiles by running the Profile Manager tool. The profiles database will be included in your customized msi.

**Overwrite existing profiles and presets**

If this option is set, the new profiles database will be copied over existing profiles database from previous installation so the new defined profiles will be available on upgrades installations too. If this option is not set, when upgrading over a previous installation the profiles database is not copied so are kept previous profiles.
All files from Default files folder will be included in the msi. Add there all files (image watermarks, certificates, overlay files) you wish to distribute.

### 3.3.4.3 OEM save parameters

OEM specific save parameters.

#### Location

Where should the pdf files be saved: Local or Server. In case the printer is shared in the network, Local means the computer from where the document is printed and Server means the computer where the printer is installed.

#### Folder

The path to the folder where to save the pdf files. If this is on a different computer, use UNC paths. You can use novaPDF OEM 10 specific macros (see Save File macros) and environment variables in the folder path.

#### Username and Password

If the user that prints the documents does not have rights to access the folder, enter an user name and password that has the necessary rights.

#### File

PDF file name. You can use next macros in the file name:
- [N] - document name (as is registered in the printer queue when printed)
- [YMD], [Y], [M], [D] - date macros: year, month, day
- [HIS], [H], [I], [S] - time macros: hour, minute, second
- [C] - Counter: if a file the same name exists in the folder, the counter is increased. By default the counter has two digits (like 01) but you may specified a different number of digits for instance "0001" corresponds tp macro [C4]
- [W] - computer name
- [U] - user name
- [O] - domain
- [L] - process name of the application that prints the document
- [R] - printer name
- [P] - profile name

#### When file exists

What action to do when a file with the same name already exists in the save folder:
- Overwrite
- Do not save
- Auto number new files
- Append date and time
• Auto number existing files

3.3.4.4 OEM run parameters

OEM specific run parameters.

Application

Full path to the application executable to be launched after a PDF is created. You can use environment variables in the application path and next novaPDF OEM 10 specific macros:

[W] - computer name
[U] - user name
[O] - domain
[R] - printer name
[P] - profile name

Parameters

The arguments that should be passed to the application. "%1" will be replaced with the full name and path of the PDF file. "%2" will be replaced with the process name of the printing application. You can also use next novaPDF OEM 10 specific macros (see Run application).

Username and Password

If the user that prints the documents does not have rights to access the application, enter an user name and password that has the necessary rights.

Run as

How to run the application:
• Normal
• Minimized
• Hidden

Run type

How to start the application:
• Run from shell
• Run as child process
3.3.4.5 Settings

Your application name
The application name will appear in Windows Start menu, in Control Panel\Programs and on the About page of the installed printer and tools.

Your company name
The company name will appear on the About page of the installed printer and tools.

Language code
Language for printer and installed tools.

Add a start menu folder
Enter the name of the Windows menu. You can also choose what links to be added in the menu (Printer Manager tool, Printer Monitor tool and Help file).

Add Printer
There can be added one or multiple printers at installation. You can also choose to not add any printer at installation time, if you wish to add them later. For each printer you can configure:
- printer name
- printer port name
- if the printer should be set default printer on the system
- associate a public profile with the printer
- printer defaults (default paper size, resolution, orientation, scale and others)
- printer permissions (permissions to change paper size, resolution, orientation, scale and others)

Inject
When you finish the configuration press the Inject button to create the msi files. There will be shown a dialog asking if you wish to save the configured options in a file so you can reuse it when running again the Co-Branding tool.

3.3.4.5.1 Add/Modify Printer
3.3.4.5.1.1 General

For each printer you can configure:

Printer name
The name of the printer that you wish to install with your application.

Port name
The name of the port for the printer. Choose a name specific to your application so it will be unique. If you add multiple printers, it is better to put them on different ports, otherwise the documents will be processed sequentially.
Share printer

You can share the printer in the network and choose the share printer name.

Make printer default

You can also choose if the printer should be set as the default printer on the system.

3.3.4.5.1.2  Profile

Allow users to use private profiles

If users can create private profiles with the Profile Manager tool and use them when converting documents.

Show Select Profile dialog before printing

Force the show of Select Profile dialog before printing a document for all users. You can allow users to disable the dialog or not.

GUID of the active profile

The GUID of the public profile that you wish to set as default for the installed printer. You can copy the GUID from the Profile Manager, when it is opened in the Administrative mode (from the Printer Manager tool).
This parameter is not mandatory.

3.3.4.5.1.3  Page defaults

The default page size for the printer can be a predefined paper or a custom paper size.

Use existing page size

Choose from one of the predefined paper sizes.
The page sizes can be changed in the Forms (.nps) file

Define new page size

You can specify a new page size to be added when installed. Enter paper name, description, width and height. This new page size will be the default page size for the printer.

3.3.4.5.1.4  Other defaults

Enter printer specific default options:

Orientation
Default printer orientation can be Portrait or Landscape.

**Resolution**

Default resolution. Usually 300 or 600.

**Scale**

Default printer scale percent. Usually 100.

**Copies**

How many page copies to create. Usually 1.

**Collate**

If creating multiple pages, in what order to add the copies.

**Maximum copies**

How many copies should be maximum allowed.

### 3.3.4.5.1.5 Permissions

Users can be restricted to modify certain printer options:

- page size
- orientation
- resolution
- scale
- copies
- collate

### 3.3.4.6 Results

When pressing the inject button the new customized msi files will be created. The settings you filled in these pages can be saved in an ini file in the branding folder.

After running the tool, next msi files will be available in the branding folder:
- novaPDF9PrinterDriver(x64).msi or novaPDF9PrinterDriver(x86).msi - each of them installs both 32 and 64 bit versions of the printer driver
- novaPDF9OEM(x64).msi or novaPDF9OEM(x86).msi - install the custom, licensed printer

**Note**
After the msi files are injected with your custom parameters, their digital signature becomes invalid so they need to be signed again. See more details in the topic Build an installation package bundle.

3.3.5 Build an installation package bundle

If you already have an installation package for your application, you only need to add the novaPDF 10 OEM Developer msi files to your package.

If not, you can start with the installation package sample we included with novaPDF 10 OEM Developer. Follow the steps below to create the bundle:

1. Install WIX Toolset 3.9
This is a free and open source set of tools for building Windows installation packages. You will use this to create the bundle.

2. Sign the novaPDF 10 OEM Developer msi files
All msi files have to be signed with a valid digital signature. You can sign them by running the `signtool.exe` tool and providing your company digital signature file.
If you do not have a digital signature file you can upload the msi files on our site to be signed with Softland’s signature here:
https://secure.novapdf.com/requestCodeSignForm

You will be requested to enter your novaPDF 10 OEM Developer license key, your email address and the path to the msi file.
You have to upload and sign these two msi files:
- novaPDF90EM(x64).msi
- novaPDF90EM(x86).msi

You will receive an email with the download link for the signed msi files.

3. Open the Installation package bundle sample and build the setup executable.
In the sample you have to change the defined variables with information about your application:
application name, company name, version, company site url.

**It is very important to change the Upgrade code to a new generated GUID, because each application should have its unique GUID so it installs separately on Windows.**

Also, take care to set the correct path of the novaPDF 10 OEM Developer msi files.

If you wish to sign the bundle exe, you have to use your company’s signature. Use the signtool.exe and the insignia.exe tools to sign, like this:

"C:\Program Files (x86)\WiX Toolset v3.9\bin\insignia.exe" -ib "C:\Users\Public\Documents\novaPDF 9\OEM\Samples\OEMBundle\OEMBundle\bin\Release\OEMBundle.exe" -o "C:\Users\Public\Documents\novaPDF 9\OEM\Samples\OEMBundle\OEMBundle\bin\Release\tmp.exe"
"signtool.exe" sign /f "<your signature file>" /p <your signature password> /du "<your company..."
3.3.6 Installation package bundle

This is a sample on how to compress the msi installations packages in a bundle and generate an setup executable to install novaPDF 10 OEM Developer. If you haven’t already done so, you will need to install the Wix Toolset to build this project.

The project contains two files:

1. Variables.wxi - contains variables for application name, company name, version,...; it's important to change the UpgradeCode to an unique new GUID for your application
2. Bundle.wxs - contains the msi files that need to be included and the execution order; .Net Framework 4 is required by novaPDF 10 OEM Developer and is set as prerequisite

Variables.wxi

```xml
<?xml version="1.0" encoding="utf-8"?>
<Include>

<!-- change the UpgradeCode to an unique new GUID for your application-->
<?define UpgradeCode="82EB2ED9-8D38-442D-87E4-73DAC9BD2D18"?>

<!--product name-->
<?define ProductName="<My OEM Application Name>"?>
<!--manufacturer-->
<?define Manufacturer="<My OEM Company Name>"?>
<!--version-->
<?define MajorVersion="9"?>
<?define MinorVersion="0"?>
<?define BuildNumber="36"?>

<?define BundleName="My OEM Application Bundle"?>
<?define BundleURL='http://www.novapdf.com'?>
<?define SplashImage=""?>
<?define IconFile=""?>
<?define MyLicenseFileName="C:\ProgramData\Softland\novaPDF 9\nPdfOem9_Softland\nPdfOem9_SoftlandEulaExt.rtf"?>
```

-- o "C: \ Users\Public\Documents\novaPDF 9\OEM\Samples\OEMBundle\OEMBundle\bin\Release\temp.exe" "C:\Program Files (x86)\WIX Toolset v3.9\bin\insignia.exe" -ab "C: \ Users\Public\Documents\novaPDF 9\OEM\Samples\OEMBundle\OEMBundle\bin\Release\tmp.exe" "C:\Users\Public\Documents\novaPDF 9\OEM\Samples\OEMBundle\OEMBundle\bin\Release\OEMBundle.exe" -o "C: \ Users\Public\Documents\novaPDF 9\OEM\Samples\OEMBundle\OEMBundle\bin\Release\OEMBundle.exe"
<!--full product name-->
<?define FullProductName="$(var.ProductName) $(var.MajorVersion)" ?>

<!--bundle specific-->
<?define DriverKit64="C:\Users\Public\Documents\novaPDF 9\OEM\Branding\novaPDF9PrinterDriver(x86).msi"?>
<?define DriverKit64="C:\Users\Public\Documents\novaPDF 9\OEM\Branding\novaPDF9PrinterDriver(x64).msi"?>
<?define OemKit64="C:\Users\Public\Documents\novaPDF 9\OEM\Branding\novaPDF9OEM(x86).msi"?>
<?define OemKit64="C:\Users\Public\Documents\novaPDF 9\OEM\Branding\novaPDF9OEM(x64).msi"?>

</Include>

Bundle.wxs

<?xml version="1.0" encoding="UTF-8"?>
<Wix xmlns="http://schemas.microsoft.com/wix/2006/wi"
    xmlns:util="http://schemas.microsoft.com/wix/UtilExtension"
    xmlns:bal="http://schemas.microsoft.com/wix/BalExtension"
    xmlns:swid="http://schemas.microsoft.com/wix/TagExtension"
    xmlns:dotNet="http://schemas.microsoft.com/wix/NetFxExtension">
    </swid:Tag RegId="regid.2008-09.org.wixtoolset" />

<!--change the UpgradeCode to an unique new GUID for your application-->
<RelatedBundle Id="$(var.UpgradeCode)" Action="Upgrade"/>

<!--application license-->
<BootstrapperApplicationRef Id="WixStandardBootstrapperApplication.RtfLicense" />
<bal:WixStandardBootstrapperApplication LicenseFile="$(var.MyLicenseFileName)" SuppressOptionsUI="yes"/>
</BootstrapperApplicationApplicationRef>

<Chain>
    <!--prereqs-->
    <PackageGroupRef Id="NetFx40Web"/>
</Chain>
  Cache="yes"
  DisplayInternalUI="no"
  EnableFeatureSelection="yes" ForcePerMachine="yes"
  Compressed="yes" SourceFile="$\{var.DriverKit86\}" Visible="yes"
  Vital="yes"
  InstallCondition="NOT VersionNT64">
  </MsiPackage>

<!--oem product-->
  Cache="yes"
  DisplayInternalUI="no"
  EnableFeatureSelection="no" ForcePerMachine="yes"
  Compressed="yes" SourceFile="$\{var.OemKit86\}" Visible="no"
  Vital="yes"
  InstallCondition="NOT VersionNT64">
  </MsiPackage>

</Chain>
</Bundle>

<!--UI-->
<UI Id="MyWixUI_Mondo">
  <UIRef Id="WixUI_Mondo"/>
  <UIRef Id="WixUI_ErrorProgressText"/>
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