

Installing Watermarking

Before proceeding, make sure the following components are installed:

- Aras Innovator
- Aras Conversion Server
- Aras PDF Viewer

Updating ConversionServerConfig

The PDF Watermarking feature requires the Conversion Server in order to run. For information on setting up the Conversion Server, see the [Aras Innovator 40 - Conversion Server Setup Guide](#).

You must install The Microsoft Visual C++ 2010, 2012, 2013, and 2015 Redistributable Packages on the Conversion Server in order to run the Aras Innovator CAD to PDF Converter. The links to these downloads can be found at the latest supported Microsoft Visual C++ packages:

- **Microsoft Visual C++ 2010, 2012, 2013, and 2015 Redistributable Packages (x64)**
<https://support.microsoft.com/en-us/help/2977003/the-latest-supported-visual-c-downloads>

After the Conversion Server is installed and set up, edit the `ConversionServerConfig.xml` file as follows:

1. Navigate to the root of Conversion Server installation and open the `ConversionServerConfig.xml` file for editing.
2. Add the following line within the `Converters` tag.:

```
<Converter name="PDF.Watermarking" type="Aras.PDF.Watermarking.PdfWatermarking" />
```

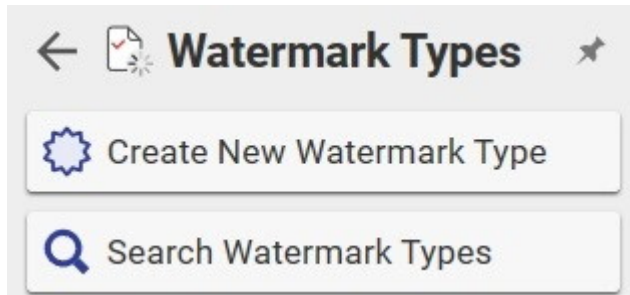
3. Save and close the `ConversionServerConfig.xml` file.

Required Settings

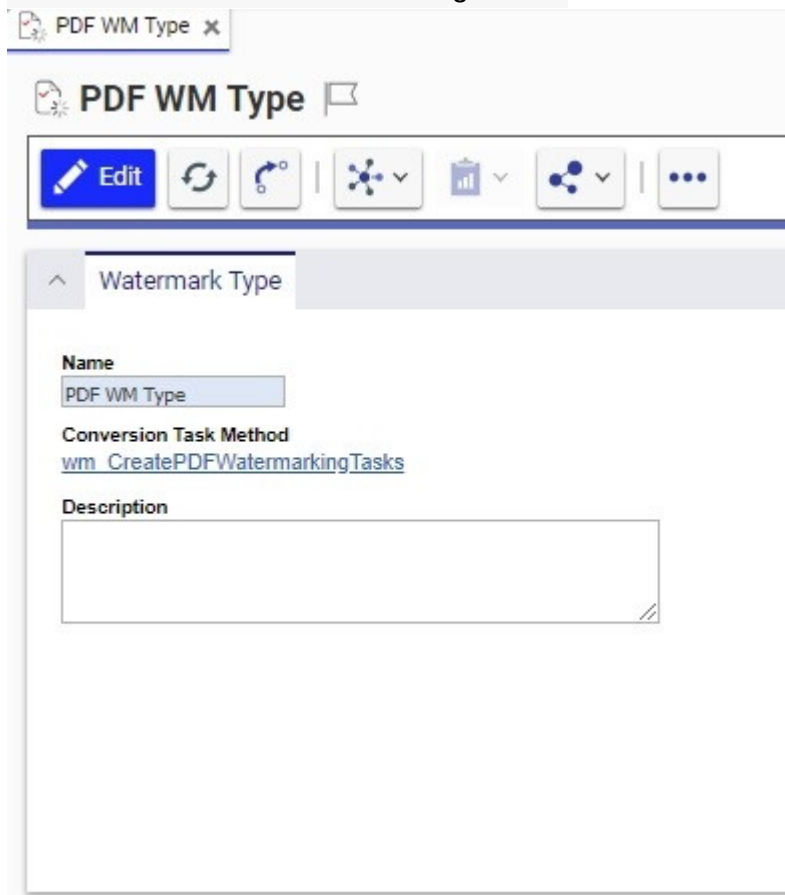
To set up PDF Watermarking, the following Items will need to be created according to the needs of your system.



1. Log into Aras Innovator and go to TOC --> **Administration** --> **Watermarking** --> **Watermark Types**. The menu shown in Figure 2 appears.



2. Click **Create New Watermark Type** to create a Watermark Type with the `wm_CreatePDFWatermarkingTasks` Conversion Task Method.



3. Create a new Watermark Set using the recently created Watermark Type.
The **Event Context** property should be set to **OnAfterPromote** for the default Watermark Set.

Watermark Set 1 x

Watermark Set 1

Watermark Set

Name

Watermark Type

Event Context

Description

Template Collections

Watermark Configurations

Type	Name ↑	Description	Watermark C...
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4. Create the PDF Collections for the appropriate Watermark Context.
 - **Name:** sets the name for the Collection.
 - **Watermark Context:** identifies the Context for the Watermark.
 - **Description:** provides a description for internal reference.
 - **Template File:** PDF file that contains the desired watermark.
 - **Placement Option:** sets overlay or underlay layer.
 - **Placement Order:** sets the order of the files, in the case more than one is used for the same layer.
 - **Pages On:** sets pages where the watermark should apply.



PDF Collection

Name

DocWMConf InReview

Watermark Context

In Review ▾

Description

PDF Templates

PDF Templates ▾ ☆



Template File [...]

Placement O...

Placement Or...

Pages On

 WM_In_Review.pdf	Underlay 	1	All Pages
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5. Create a Watermark Rule for your ItemType using the Watermark Set created in step 3.

Document WM ... x

Document WM Rule 

 Edit
 






Watermark Rule

Name
 Document WM Rule

ItemType
[Document](#)

Default Watermark Set
[Document WM Set](#)

6. Add a Methods Relationship to your Rule using the following:

- **Watermark Type:** the Watermark Type created in step 2.
- **Watermark Content Lookup:** the `wmdt_GetPDFWMContent` Method:
 - This Method works with the **Document File** relationship.
 - To use an ItemType other than **Document File**, the `wm_SourceLookupTemplate` Method can be used as a template for developing a custom Method.
- **Watermark Configuration Lookup:** the `wm_GetWMConfiguration` Method:
- **Set Watermark Content:** `wmdt_UpdatePDFWMContent` Method.
 - This Method works with the **Document File** relationship.
 - To use an ItemType other than **Document File**, the `wm_SourceUpdateTemplate` Method can be used as a template for developing a custom Method.

Document WM ...

Document WM Rule

Edit

Watermark Rule

Name
Document WM Rule

ItemType
Document

Default Watermark Set
Document WM Set

Methods
States

Watermark Rule Methods

Hidden

Watermark Type [...]	Watermark Content Lookup [...]	Watermark Configuration Lookup [...]	Set Watermark Content [...]
PDF WM Type	wmdt_GetPDFWMContent	wm_GetWMConfiguration	wmdt_UpdatePDFWMContent

7. Add the **State** Relationships from the ItemType where the Watermark Rule should apply.



Document WM ...

Document WM Rule

Save Done Discard

Watermark Rule

Name
Document WM Rule

ItemType
Document

Default Watermark Set
Document WM Set

Methods States

Life Cycle States

Hidden

	Name ↑	X	Y	Relea...	Locka...	Image...	Item Behavior	Workflow [...]	History Temp...	State Permis...
	In Change	589	140	☒	☐		Float			
	In Review	220	140	☐	☐		Float			In Review Doc...

8. Add PDF Collections created in Step 4 to the Watermark Set created in Step 3.



Document WM ...

Document WM Set

Edit

Watermark Set

Name

Document WM Set

Watermark Type

PDF WM Type

Event Context

onAfterPromote

Description

Template Collections

Watermark Configurations

Hidden

	Type	Name ↑	Description	Watermark C...
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PDF Collection	DocWMConf InReview	In Review
PDF Collection	DocWMConf InChange	In Change

