



Aras Innovator 30

HTML to PDF Converter Setup Guide

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Document Conventions

The following table highlights the document conventions used in the document:

Convention	Description
Bold	This shows the names of menu items, dialog boxes, dialog box elements, and commands. Example: Click OK .
Code	Code examples appear in <code>courier</code> font. It may represent text you type or data you read.
<code>Yellow highlight</code>	Code highlighted in yellow draws attention to the code that is being indicated in the content.
<code>Yellow highlight with red text</code>	Red text highlighted in yellow indicates the code parameter that needs to be changed or replaced.
<i>Italics</i>	Reference to other documents.
Note:	Notes contain additional useful information.
Warning	Warnings contain important information. Pay special attention to information highlighted this way.
Successive menu choices	Successive menu choices may appear with a greater than sign (-->) between the items that you select consecutively. Example: Navigate to File --> Save --> OK .

1 Overview

The Aras Innovator Conversion Server is a framework to manage file conversion processes used to transform native files into other viewable formats such as TIFF or PDF.

This document walks through installation of the Aras HTML to PDF Converter used to convert HTML into PDF files.

2 Prerequisites

Before proceeding, you need to install a Conversion Server and make sure that you meet the additional prerequisites.

For instructions on installing a conversion server, see the *Aras Innovator 30 – Installation Guide*.

2.1 Microsoft Visual C++ Redistributable Package

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 HTML to PDF Converter. The links to these downloads can be found at Microsoft's latest supported Visual C++:

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>

The following redistributable packages are required to be installed in order to use the HOOPS communicator on the Windows operating system:

- Microsoft Visual C++ 2010 64-bit redistributable
- Microsoft Visual C++ 2012 64-bit redistributable
- Microsoft Visual C++ 2013 64-bit redistributable
- Microsoft Visual C++ 2015 64-bit redistributable

2.2 Feature License Key

The Aras Innovator HTML to PDF Converter requires a Feature License in order to run.

To check whether a valid Feature License exists in Aras Innovator:

1. Log into Aras Innovator as an administrator.
2. Go to **Administration --> Feature Licenses**.
3. If an `Aras.HTMLtoPDFConverter` feature license is found, check the expiration date to confirm that the license is still active.

2.2.1 Requesting a Feature License


In order to request a feature license activation key, customers with an active Aras subscription can send an email to licenses@aras.com or to your account representative in the following format:

- Subject: Aras Innovator HTML to PDF Converter Activation Key Required
- Body: Version of Aras Innovator

You will receive a reply containing the Feature License activation key.

2.2.2 Installing the License

Once you have the activation key, install the feature license as follows:

1. Log into Aras Innovator as an administrator.
2. Click the User Menu icon , and select **Activate Feature** from the dropdown menu.

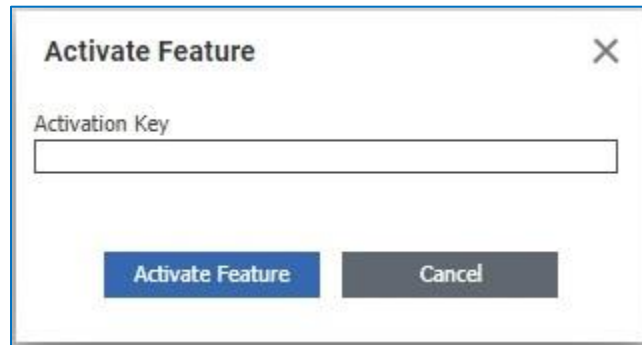


Figure 1.

3. Paste the acquired activation key and click **Activate Feature**. A success message should pop up.

3 Installing the Aras HTML to PDF Converter

The Aras HTML to PDF Converter consists of files that get imported on top of the existing Aras Conversion Server.

3.1 Installation Process

To install the Aras HTML to PDF Converter:

1. Copy the Aras HTML to PDF Converter package to a local drive on the Conversion Server.
This Aras HTML to PDF Converter folder is in the Utilities directory of the Aras Innovator CD Image on the Aras FTP website (<ftp://ftp.aras.com/InnovatorLatestRelease/>)
2. Copy the 'ConversionServer' folder to the root directory where the Conversion Server was installed, overwriting the existing 'ConversionServer' folder and its contents.

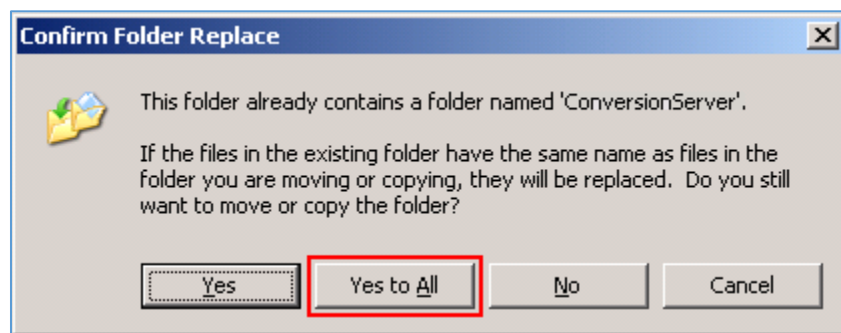


Figure 2.

3. Restart IIS.

3.2 Configuring the Conversion Server

After you install the Aras HTML to PDF Converter, configure the ConversionServerConfig.xml file as follows:

1. Open ConversionServerConfig.xml file for editing.
Typically, this file is located at the root of the Aras Innovator code tree (Sample:
C:\Program Files (x86)\Aras\Innovator\ConversionServerConfig.xml)
2. After the comment `<!-- Place here class configuration section definitions for converters -->` add:

```
<section name="PdfPublishingConverter"
type="Aras.Publishing.Configuration.PdfConverterConfig,
Aras.TDF.PublishingConverter"></section>
```

3. Into the section `<Converters/>` add:

```
<Converter name="tp_PdfPublishingConverter"
type="Aras.Publishing.PdfPublishingConverter,
Aras.TDF.PublishingConverter"/>
```

4. Into the section `<ConverterSettings/>` after the comment `<!-- Place here configuration sections for converters -->` add:

```
<PdfPublishingConverter>
  <ConversionTool path="C:\Program Files
(x86)\Aras\Innovator\ConversionServer\Prince\bin\prince.exe"/>
</PdfPublishingConverter>
```

Note: The path may need to be modified to match the location of your ConversionServer directory.

The following is a sample of a ConversionServerConfig.xml file with the required setup:

```
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <configSections>
    <!-- Common converter service configuration -->
    <section name="ConversionServer"
type="Aras.ConversionFramework.ConversionServer.Configuration.ConversionServerConfiguration
Section, Conversion_Base"/>
    <sectionGroup name="ConverterSettings">
      <!-- Place here class configuration section definitions for converters -->
      <section name="PdfPublishingConverter"
type="Aras.Publishing.Configuration.PdfConverterConfig,
Aras.TDF.PublishingConverter"></section>
    </sectionGroup>
  </configSections>
  <ConversionServer>
    <InnovatorServer
url="http://localhost/InnovatorServer/Server/InnovatorServer.aspx"/>
    <Converters>
      <Converter name="tp_PdfPublishingConverter"
type="Aras.Publishing.PdfPublishingConverter, Aras.TDF.PublishingConverter"/>
    </Converters>
  </ConversionServer>
  <ConverterSettings>
    <!-- Place here configuration sections for converters -->
    <PdfPublishingConverter>
      <ConversionTool path="C:\Program Files
(x86)\Aras\Innovator\ConversionServer\Prince\bin\prince.exe"/>
    </PdfPublishingConverter>
  </ConverterSettings>
</configuration>
```

5. Save and close the ConversionServerConfig.xml file.
6. Confirm that the Conversion Server is configured to run via the Aras Agent Service. For details, see Section 4.1 of the *Aras Innovator 30 – Conversion Server Setup Guide*.

Note: Because of difference between Windows and Linux file systems it is required to use OS-specific path separator in paths. Remember that Linux file system is case sensitive so file names `./path/to/file.xml` and `./path/to/File.xml` are different. For more information about cross-platform development please see section "2.3 Cross-platform development" in "Aras Innovator 30 - Programmer's Guide" document.