

Adaptive Print Studio 1.1 Installation Manual

Installing Adaptive Print Studio





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Chapter 1

Introduction

This document describes how to install Sitecore Adaptive Print Studio 1.1 on the server and how to install the plug-ins (InDesign Connector and InCopy Connector) on client systems.

- Chapter 1 Introduction
- Chapter 2 Installation Package This chapter describes the installation of the Adaptive Print Studio Module.
- Chapter 3 Server Side

This chapter describes the system requirements, the IIS preparations, how to import the Sitecore package, how to change APS settings, how to install Windows Services, and how to configure MS Queue server.

• Chapter 4 - Client Side

This chapter describes how to install the plug-ins of the ID Connector and the IC Connector on the client machines.

• Chapter 5 - Product installation troubleshooting

This chapter provides solutions for basic problems with the installation of the APS module.



Chapter 2

Installation Package

This chapter describes the installation of the Adaptive Print Studio Module.

This chapter contains the sections:

- Installation Package Download and Extracting
- Installation Package Content



2.1 Installation Package Extracting

Download the installation package from the SDN portal and extract the package on your server or system.

2.2 Installation Package Content

The installation package contains a folder structure as shown below. The folder names describe the purpose and content.



The package contains:

- APS installation manuals (A4 and US-letter PDF).
- Storage package (APSPublishing.zip, this is no Sitecore wizard package).
- Sitecore package (Adaptive Print Studio-xx.xx.xx).
- Windows services.
- InDesign Desktop plug-ins.
- InDesign Server plug-ins.



Chapter 3

Server Side

This chapter contains the following sections:

- APS System Requirements
- Preparing IIS for Installation
- Importing Sitecore Package
- Configuring Print Studio Web Services and Applications
- Changing the Print Studio Settings in Sitecore
- Installing Windows Services
- Configuring MS Queue Server
- Configuring SMTP Server



3.1 APS System Requirements

3.1.1 Sitecore version

The APS module requires **Sitecore 6.4** or higher.

3.1.2 InDesign version

The APS module requires InDesign Server CS5.5.

3.1.3 Operating System Requirements

APS can be hosted on the following Microsoft operating systems:

- Windows XP (32-bit only)
- Windows Server 2003 (32/64-bit)
- Windows Server 2008 (32/64-bit)
- Windows Server 2008 R2 (32/64-bit)
- Windows Vista (32/64-bit)
- Windows 7 (32/64-bit)

3.1.4 IIS Requirements

APS can be hosted on the Internet Information Services version 6 or higher running on supported operating systems.

3.1.5 SMTP Service

SMTP service is required in order to handle e-mail notifications.

3.1.6 .NET Framework Requirements

APS requires .NET Microsoft Framework 3.5.

3.1.7 Windows MSMQ

MSMQ stands for Microsoft Message Queuing and is required to allow applications that run on separate servers/processes to communicate in a fail safe manner.



3.2 Preparing IIS for Installation

3.2.1 MIME Type

The InDesign MIME type should be available for the website with the Adaptive Print Studio installation.

To configure the InDesign MIME type using a 2003 server:

- 1. Open IIS Manager, right-click on MyComputer (local computer) node.
- 2. Click Properties.
- 3. Click on **MIME Types**.
- 4. Click New.

MIME Types		
Registered MIME types (file ex	tensions):	
		<u>N</u> ew
		<u>E</u> dit
		<u>R</u> emove
MIME type details		
Extension:		
MIME type:		
		1
	OK	Cancel

- 5. Enter .indd in the Extension box.
- 6. Enter application/x-indesign in the MIME type box.
- 7. Click **OK**.
- 8. Click Apply.
- 9. Click OK.
- 10. Close the IIS Manager.

To configure the InDesign MIME type using a 2008 server version:

1. Open the local computer node.



2. Select **MIME Types** (by double-clicking).



- 3. Click Add.
- 4. In the File name extension box, enter: .indd.
- 5. In the MIME type box enter: application/x-indesign.

Add MIME Type		<u>? ×</u>
File name <u>e</u> xtension: .indd	:	
MIME type:		
application/x-indesig	jn	
	ОК	Cancel

3.2.2 Creating Folders

The **APSPublishing.zip** includes all folders that you need to be able to upload, download and store different images and files.

Extract the contents of **APSPublishing.zip** to a location that is accessible for the IIS as shown in the following screenshot.

퉬 APSPublishing	*	Name
퉬 inetpub		Fonts
\mu PerfLogs		jii Funds
		🚹 HighResImages
🖐 Program Files		
Program Files (x86)		퉬 ImageJobsStore
Program Files (XOU)		퉲 Logs
🍋 ProgramData		
		🕌 LowResImages
🍌 sitecore		PublishFolder
<u>□</u> -		p Fublishi oluer

We recommend that you organize the folder tree within a parent folder named **APSPublishing**, located at a suitable location outside the Sitecore Website folder.

Fonts	used to store the fonts used by the Print Studio Editor application.	
HighResImages used to store the original image files.		
ImageJobsStore	used to store transferred original image files, to be later processed.	
Logs	where all Print Studio Windows services logs reside.	
LowResImages used to store the converted low resolution image files.		
PublishFolder stores the publishing results files.		
PublishingCache	temporary store for the images used in the document that is published.	

Folders description

Note

The names and locations of the folders can be different and it is configurable through the configuration files of the different services and applications.

Note

The Print Studio web services logs are located in the Sitecore website logs folder (...\Data\logs).



The folders **HighResImages**, **LowResImages**, **ImageJobsStore** and **PublishFolder** have to be created as virtual folders inside the Sitecore website.

To Create a Virtual Directory With IIS Manager for an ASP.NET Application

- 1. In IIS Manager, expand the local computer and the **Sites** folder.
- 2. Right-click the Sitecore website and then click Add Virtual Directory.



3. In the Add Virtual Directory dialog box, specify the Alias and Physical Path.

Add Virtual D	irectory	<u>? ×</u>
Site name: Path:	Default /	
Alias:		
HighResImag	jes	
Example: ima	iges	
Physical path	1:	
C: APSPublis	hing\HighResImages	
Pass-through	authentication	
Connect as.	Test Settings	
	OK Cano	el

- 4. Click OK.
- 5. Repeat steps 1-4 for all folders (HighResImages, LowResImages, ImageJobsStore, and PublishFolder).

Note

The services operating with the files have to be granted permissions to read, write, and create folders. If the services and applications work on different servers, the folders should be shared and accessible along the network.

Note

Make sure the NETWORK SERVICE account gets sufficient access permissions on the folder. \APSPublishing and subfolders.

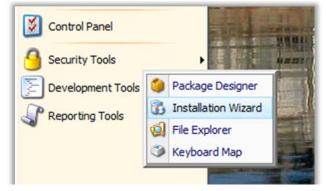


3.3 Importing Sitecore Package

The "Adaptive Print Studio-xx.xx.xx" package needs to be installed. This package contains all items, files, and the Print Studio website.

To import the package:

- 1. Log in Sitecore.
- 2. Navigate to **Development Tools** and open Installation Wizard.



- 3. Browse, select the package and click Upload.
- 4. Once uploaded select the package and click Open.

🖉 Sitecore Webpage Dialog 🛛 🔀		
😰 http://localhost/sitecore/shell/default.aspx?xmlcontrol=Installer.Browse&h=Open+Package&t=Se		
Open Package Select the package that you want to open.		
😤 Refresh 🔞 Upload 🔿 Download 💥 Delete		
Adaptive Print Studio.zip		
File name: Adaptive Print Studio		
Pile name: Adaptive Print Studio		
Open Cancel		

5. Click Next.

🚯 Installation Wizard	X
Select Package	
Select a package to install.	5
Enter the name of the package:	
Adaptive Print Studio- xx.xx.xx	
Click Browse to locate the package on the server. Click Upload to upload the package. Browse Upload	
< Back Next >	Cancel

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6. Read the License Agreement and select the appropriate radio button. Click Next.

🐞 Installation W	izard	
Ready to Install		
The wizard is ready to install the package. Click Install to install the package.		
Package name:	Adaptive Print Studio	
Version:	1	
Author:	Sitecore Corporation	
Publisher:	Sitecore Corporation	
	< Back Install Cancel	

- 7. Click **Install**. Installation starts and will need approximately 15-20 minutes to finish.
- 8. Click Finish.

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3.4 Configuring Print Studio Web Services and Applications

3.4.1 Configuring the Logger

- 1. Open web.config file from Sitecore Website folder.
- 2. Navigate to the <log4net> section.

```
3. Paste the following after the last </appender> item:
```

```
<appender name="APSPrintServiceAppender" type="log4net.Appender.SitecoreLogFileAppender,
 Sitecore.Logging">
   <file value="$(dataFolder)/logs/PrintService.log.{date}.txt"/>
   <appendToFile value="true"/>
   <layout type="log4net.Layout.PatternLayout">
     <conversionPattern value="%4t %d{ABSOLUTE} %-5p %m%n"/>
   </lavout>
</appender>
<logger name="APSPrintServiceLogger" additivity="false">
 <level value="INFO"/>
 <appender-ref ref="APSPrintServiceAppender"/>
</logger>
<appender name="APSPublishingServiceAppender" type="log4net.Appender.SitecoreLogFileAppender,
 Sitecore.Logging">
 <file value="$(dataFolder)/logs/PublishingService.log.{date}.txt"/>
 <appendToFile value="true"/>
 <layout type="log4net.Layout.PatternLayout">
   <conversionPattern value="%4t %d{ABSOLUTE} %-5p %m%n"/>
 </layout>
</appender>
<logger name="APSPublishingService" additivity="false">
 <level value="INFO"/>
 <appender-ref ref="APSPublishingServiceAppender"/>
</logger>
```

4. Save and Close the web.config File

3.4.2 Configuring Web Services

- 1. Open web.config file from the Sitecore Website folder.
- 2. Navigate to </system.web> section.
- 3. Paste the following configuration section after </system.web>:

```
</system.web>

<system.serviceModel>

<serviceHostingEnvironment aspNetCompatibilityEnabled="true" />

<services>

<service behaviorConfiguration="MediaServiceBehavior"

name="Sitecore.PrintStudio.WebServices.MediaService">

<endpoint address="" binding="basicHttpBinding"

bindingConfiguration="BasicHttpBinding_PrintStudioWebServices"

contract="Sitecore.PrintStudio.WebServices.MediaService" />

<endpoint address="mex" binding="mexHttpBinding" contract="IMetadataExchange" />

</service>

<service behaviorConfiguration="DesktopServiceBehavior"

name="Sitecore.PrintStudio.WebServices.DesktopService">
```

```
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```



```
<endpoint address="" binding="basicHttpBinding"
bindingConfiguration="BasicHttpBinding_PrintStudioWebServices"
contract="Sitecore.PrintStudio.WebServices.DesktopService" />
      <endpoint address="mex" binding="mexHttpBinding" contract="IMetadataExchange" />
    </service>
    <service behaviorConfiguration="PrintServiceBehavior"</pre>
name="Sitecore.PrintStudio.WebServices.PrintService">
      <endpoint address="" binding="basicHttpBinding"
bindingConfiguration="BasicHttpBinding_PrintStudioWebServices"
contract="Sitecore.PrintStudio.WebServices.PrintService" />
      <endpoint address="mex" binding="mexHttpBinding" contract="IMetadataExchange" />
    </service>
    <service behaviorConfiguration="FileServiceBehavior"</pre>
name="Sitecore.PrintStudio.WebServices.FileService">
      <endpoint address="" binding="basicHttpBinding"
bindingConfiguration="BasicHttpBinding_PrintStudioWebServices"
contract="Sitecore.PrintStudio.WebServices.FileService" />
      <endpoint address="mex" binding="mexHttpBinding" contract="IMetadataExchange" />
    </service>
  </services>
  <behaviors>
    <serviceBehaviors>
      <behavior name="MediaServiceBehavior">
        <dataContractSerializer maxItemsInObjectGraph="2147483647"/>
        <serviceMetadata httpGetEnabled="true" />
        <serviceDebug includeExceptionDetailInFaults="true" />
      </behavior>
      <br/><behavior name="DesktopServiceBehavior">
        <dataContractSerializer maxItemsInObjectGraph="2147483647"/>
        <serviceMetadata httpGetEnabled="true" />
        <serviceDebug includeExceptionDetailInFaults="true" />
      </behavior>
      <behavior name="PrintServiceBehavior">
        <dataContractSerializer maxItemsInObjectGraph="2147483647"/>
        <serviceMetadata httpGetEnabled="true" />
        <serviceDebug includeExceptionDetailInFaults="true" />
      </behavior>
      <behavior name="FileServiceBehavior">
        <dataContractSerializer maxItemsInObjectGraph="2147483647"/>
        <serviceMetadata httpGetEnabled="true" />
        <serviceDebug includeExceptionDetailInFaults="true" />
      </behavior>
    </serviceBehaviors>
  </behaviors>
  <bindings>
    <basicHttpBinding>
      <binding name="BasicHttpBinding_PrintStudioWebServices"</pre>
               hostNameComparisonMode="StrongWildcard"
               maxReceivedMessageSize="2147483647"
               maxBufferSize="2147483647"
               maxBufferPoolSize="2147483647"
               transferMode="Buffered"
               messageEncoding="Text"
               textEncoding="utf-8"
               bypassProxyOnLocal="false"
               useDefaultWebProxy="true">
        <readerQuotas maxNameTableCharCount="2147483647" maxArrayLength="2147483647"
maxDepth="2147483647" maxStringContentLength="2147483647"/>
        <security mode="None" />
      </binding>
      <binding name="BasicHttpBinding_IDashBoardWebService"</pre>
               hostNameComparisonMode="StrongWildcard"
```

User Manual



```
receiveTimeout="00:30:00" sendTimeout="00:30:00" openTimeout="00:30:00"
closeTimeout="00:30:00"
               maxReceivedMessageSize="2147483647" maxBufferSize="2147483647"
maxBufferPoolSize="2147483647"
               transferMode="Buffered" messageEncoding="Text" textEncoding="utf-8"
bypassProxyOnLocal="false" useDefaultWebProxy="true">
        <readerQuotas maxNameTableCharCount="2147483647" maxArrayLength="2147483647"
maxDepth="2147483647" maxStringContentLength="2147483647" />
        <security mode="None" />
      </binding>
    </basicHttpBinding>
  </bindings>
  <client>
    <endpoint address="http://localhost:8070/DashBoardWebService"</pre>
        binding="basicHttpBinding" bindingConfiguration="BasicHttpBinding_IDashBoardWebService"
        contract="Sitecore.PrintStudio.DashBoardClient.IDashBoardWebService'
name="BasicHttpBinding_IDashBoardWebService" />
  </client>
</system.serviceModel>
```

Note

Be careful with including the system.serviceModel. There might be an instance in config already. If so, either merge the two instances or delete one.

```
<system.serviceModel>
<serviceHostingEnvironment aspNetCompatibilityEnabled="true"/>
</system.serviceModel>
```

4. Edit the following key values with the appropriate URL values:

<endpoint address=http://localhost:8070/DashBoardWebService

Note

When using websites with multiple bindings this should be configured in the serviceHostingEnvironment key as shown below.

```
multipleSIteBindingsEnabled is applicable only if .net framework 4.0 is installed
```

```
<system.serviceModel>
```

```
<serviceHostingEnvironment aspNetCompatibilityEnabled="true" multipleSiteBindingsEnabled =
"true"/>
```

5. Navigate to </system.web>section.

6. Edit the following key values as shown below:

<httpRuntime maxRequestLength="2097151" executionTimeout="10200" />

7. Add the svc extension.

```
<sitecore database="SqlServer">
```

```
<pipelines>
```

```
<preprocessRequest>
```

```
...
```

```
<processor type="Sitecore.Pipelines.PreprocessRequest.FilterUrlExtensions, Sitecore.Kernel">
        <param desc="Allowed extensions (comma separated)">aspx, ashx, asmx, svc</param>
```

8. Save and Close the web.config file.



3.4.3 Configuring Print Studio Web Services

App_Config/Include/PrintStudio.config in Sitecore Root

The configuration settings are separated into sections for each service. The configuration settings are declared by the **Sitecore.PrintStudio.Configuration.dll**, which must be located inside the **bin** folder of the Sitecore root.

Sections description

website	Contains all settings for the print studio web pages.
common	Contains all shared by the web services settings.
printstudiocenter	Contains all settings, used only by desktop service.
media	Contains all settings, used only by media service.
printstudioexplorer	Contains all settings, used only by print service.
printstudioengine	Contains all settings, used only by the print engine.
fileservice	Contains all settings, used only by file service.

WebSite Settings

Website settings are stored inside the <website>section:

```
<website type="Sitecore.PrintStudio.Configuration.SettingsSection,
Sitecore.PrintStudio.Configuration">
<settings hint="raw:AddToSettingsList">
<!-- core db -->
<setting name="PrintStudio.Localizations" value="/sitecore/content/Applications/Print Studio"/>
<!-- master db -->
<setting name="PrintStudio.AppSettings" value="/sitecore/Print Studio"/>
<setting name="PrintStudio.DownloadHandler" value="http://localhost/PrintStudio/Handlers/
DownloadHandler.ashx"/>
<setting name="PrintStudio.DBServer.IPAddress" value="localhost" />
<setting name="PrintStudio.DBServer.Port" value="8081" />
</settings>
</website>
```

Configuration keys description for WebSiteSettings section

PrintStudio.Localizations	Sitecore path to the Print Studio localizations in core database.
PrintStudio.AppSettings	Sitecore path to Print Studio application settings in master database.
PrintStudio.DownloadHandler	Handler used for downloading original images and zip packages.
PrintStudio.DBServer.IPAddress	InDesign service address.
PrintStudio.DBServer.Port	InDesign service port.

Common Settings

The web services read shared settings from the **<common>** section.

<common type="Sitecore.PrintStudio.Configuration.SettingsSection, Sitecore.PrintStudio.Configuration"> <settings hint="raw:AddToSettingsList">



```
<setting name="PrintStudio.FolderIcon" value="Applications/128x128/folder.png" />
        <setting name="PrintStudio.PhotoSceneryIcon" value="Applications/128x128/photo_scenery.png" />
        <setting name="PrintStudio.StandardFields" value="Title|Keywords|Description|Alt" />
        <setting name="PrintStudio.Database" value="master"/>
        <setting name="PrintStudio.CoreDatabase" value="core"/>
        <setting name="PrintStudio.Shell" value="shell"/>
        <setting name="PrintStudio.Domain" value="sitecore"/>
        <setting name="PrintStudio.WcfServiceSendReceiveTimeout" value="20"/>
        <setting name="PrintStudio.WcfServiceOpenCloseTimeout" value="10"/>
        <setting name="PrintStudio.WebHost" value="http://localhost/"/>
        <setting name="PrintStudio.FileService" value="http://localhost/PrintStudio/Services/</pre>
FileService.svc"/>
        <setting name="PrintStudio.MediaService" value="http://localhost/PrintStudio/Services/</pre>
MediaService.svc"/>
        <setting name="PrintStudio.DesktopService" value="http://localhost/PrintStudio/Services/</pre>
DesktopService.svc"/>
       <setting name="PrintStudio.IconHandler" value="http://localhost/PrintStudio/Handlers/</pre>
IconHandler.ashx?url=" />
    <setting name="PrintStudio.QrCodeGenerator" value="http://localhost/PrintStudio/Handlers/</pre>
QrCodeGeneratorHandler.ashx"/>
       <setting name="PrintStudio.PrintService" value="http://localhost/PrintStudio/Services/</pre>
PrintService.svc"/>
      </settings>
    </common>
```

Configuration keys description for common section

PrintStudio.Database	Sitecore database to use.
PrintStudio.CoreDatabase	Sitecore Core database.
PrintStudio.Shell	Sitecore Shell website.
PrintStudio.WebHost	URL of the Sitecore website. Used to construct different paths for icons, images and so on.
PrintStudio.Domain	Sitecore domain where the user accounts should be read from.
PrintStudio.WcfServiceSendRecei veTimeout	Wcf Service send/receive time-out in minutes.
PrintStudio.WcfServiceOpenClose Timeout	Wcf Service open/close time-out in minutes.
PrintStudio.StandardFields	Standard fields collection for file or image.
PrintStudio.FolderIcon	Icon for the folders in the content tree.
PrintStudio.PhotoSceneryIcon	Icon for the images in the content tree.
PrintStudio.FileService	Reference URL to the FileUpload web service.
PrintStudio.MediaService	Reference URL to the Media web service.
PrintStudio.DesktopService	Reference URL to the Desktop web service.
PrintStudio.PrintService	Reference URL to the Print web service.
PrintStudio.IconHandler	IconHandler URL.
PrintStudio.QrCodeGenerator	Reference URL of the QR code generator handler.

Desktop Service

Desktop Web Service settings are stored inside the **<printstudiocenter>**section:

<printstudiocenter type="Sitecore.PrintStudio.Configuration.SettingsSection,



Sitecore.PrintStudio.Configuration">
<settings hint="raw:AddToSettingsList">
<setting name="PrintStudio.SkinsPath" value="/sitecore/content/Applications/Print Studio/Skin
Types"/>
<setting name="PrintStudio.DesktopServiceProvider"
value="Sitecore.PrintStudio.WebServices.Providers.SitecoreDesktopProvider"/>
</settings>
</printstudiocenter>

Configuration keys description for printstudiocenter section

PrintStudio.SkinsPath	Path to Print Studio skin files.
PrintStudio.DesktopServiceProvider	The Service Provider to be used for data manipulation.

Media Service Settings

Media Web Service settings are stored inside the <media>section:

<media type="Sitecore.PrintStudio.Configuration.SettingsSection, Sitecore.PrintStudio.Configuration">
<settings hint="raw:AddToSettingsList">

<setting name="PrintStudio.MaxVisibleUploadsCount" value="10"></setting>
<setting name="PrintStudio.MaxUploadsCount" value="15"></setting>
<pre><setting name="PrintStudio.MediaThumbnailPath" value="~/media/{0}.ashx?h=32&thn=1&w=32"></setting></pre>
<setting name="PrintStudio.MediaDashboardServiceType" value="ImageProcessingService"></setting>
<setting name="PrintStudio.MediaDashboardServiceMethod" value="QueueImageJobMethod"></setting>
<setting name="PrintStudio.MediaResponseType" value="Notifying"></setting>
<setting name="PrintStudio.ImageCleanTemp" value="image"></setting>
<setting <="" name="PrintStudio.PathToICCFile" td=""></setting>
value="C:\WINDOWS\system32\spool\drivers\color\AdobeRGB1998.icc" />
<setting name="PrintStudio.MediaHasWorkbox" value="True"></setting>
<setting <="" name="PrintStudio.MediaServiceProvider" td=""></setting>
value="Sitecore.PrintStudio.WebServices.Providers.SitecoreMediaProvider"/>

Configuration keys description for media section

PrintStudio.MediaThumbnailPath	Path for downloading thumbnails.
PrintStudio. MediaDashboardServiceType	SOAP message service type sent to dashboard.
PrintStudio. MediaDashboardServiceMethod	SOAP message service method sent to dashboard.
PrintStudio.MediaResponseType	SOAP message response type sent to dashboard.
PrintStudio.ImageCleanTemp	If it is "folder" the folders are deleted. The default is "image" but it could be empty.
PrintStudio.PathToICCFile	Path to the AdobeRGB1998.icc color driver.
PrintStudio.MediaHasWorkbox	Value that indicates if workbox node will be added to the content tree in Media Manager application.
PrintStudio.MediaServiceProvider	The Service Provider to be used for data manipulation.
PrintStudio.MaxVisibleUploadsCount	The number of visible files without having to scroll the list.
PrintStudio.MaxUploadsCount	Value that indicates the max number of files that can be uploaded/downloaded at once.



Print Settings

Print Web Service settings are stored inside the <printstudioexplorer>section:

```
<printstudioexplorer type="Sitecore.PrintStudio.Configuration.SettingsSection,
 Sitecore.PrintStudio.Configuration">
<settings hint="raw:AddToSettingsList">
<setting name="PrintStudio.MetaFields" value="Description|Start date|Due date" />
<setting name="PrintStudio.MetaSections" value="ProjectMeta"/>
<setting name="PrintStudio.PrintHasWorkbox" value="True"/>
<setting name="PrintStudio.ReportItemMinUsageCount" value="2" />
<setting name="PrintStudio.PublishingCachePath" value="C:\APSPublishing\PublishingCache\" />
<setting name="PrintStudio.PrintDashboardServiceType" value="InDesignServer"/>
<setting name="PrintStudio.PrintDashboardServiceMethod" value="Publish"/>
<setting name="PrintStudio.PrintResponseType" value="WithLinks"/>
<setting name="PrintStudio.PrintServiceProvider"</pre>
 value="Sitecore.PrintStudio.WebServices.Providers.SitecorePrintProvider"/>
<setting name="PrintStudio.FontsFolderPath" value=" C:\APSPublishing\Fonts\"/>
<setting name="PrintStudio.FontsListXmlPath" value=" C:\APSPublishing\Fonts\FontsList.xml"/>
</settings>
</printstudioexplorer>
```

PrintStudio.MetaFields	List of meta fields shown on UI.
PrintStudio.MetaSections	Item sections that contains meta fields shown on UI.
PrintStudio.PrintHasWorkbox	Value that indicates if workbox node will be added to the content tree in the Print Studio Explorer application.
PrintStudio.ReportItemMinUsageCount	Minimum usages of Images shown in Report tab in Print Studio Explorer.
PrintStudio.PublishingCachePath	Path to Publishing Cache folder.
PrintStudio.PrintDashboardServiceType	SOAP message service type sent to dashboard.
PrintStudio.PrintDashboardServiceMethod	SOAP message service method sent to dashboard.
PrintStudio.PrintResponseType	SOAP message response type sent to dashboard.
PrintStudio.PrintServiceProvider	The Service Provider to be used for data manipulation.
PrintStudio.FontsFolderPath	Path to fonts folder.
PrintStudio.FontsListXmlPath	Path to fonts list XML.

Configuration keys description for printstudioexplorer section

Print Studio Engine Settings

<printstudioengine type="Sitecore.PrintStudio.Configuration.SettingsSection,

```
Sitecore.PrintStudio.Configuration">
```

```
<settings hint="raw:AddToSettingsList">
```

```
<settings hint="raw:AddToSettingsList">
```

```
<setting name="PrintStudio.ProjectsFolder"
```



Configuration keys description for printstudioengine section

PrintStudio.ProjectsFolder	Path to Projects folder.
PrintStudio.InDesignServerName	Name of the InDesign server.
PrintStudio.BarcodeHighResPath	Path to the Barcodes folder.
PrintStudio.UploadFolder	Path to Upload folder.
PrintStudio.StoreMastersInDB	If true the masters are stored in the database.
PrintStudio.MastersStoragePath	Path to folder for storing masters.

File Service Settings

<fileservice type="Sitecore.PrintStudio.Configuration.SettingsSection,

```
Sitecore.PrintStudio.Configuration">
<settings hint="raw:AddToSettingsList">
<setting name="PrintStudio.StorePath" value="C:\APSPublishing\ImageJobsStore" />
<setting name="PrintStudio.DashboardServiceType" value="ImageProcessingService" />
<setting name="PrintStudio.DashboardServiceMethod" value="QueueImageJobMethod" />
<setting name="PrintStudio.VirtualDirectoryUrl" value="http://localhost/ImageJobsStore/" />
<setting name="PrintStudio.ResponseType" value="Notifying" />
</settings>
</fileservice>
```

Configuration keys description for fileservice section

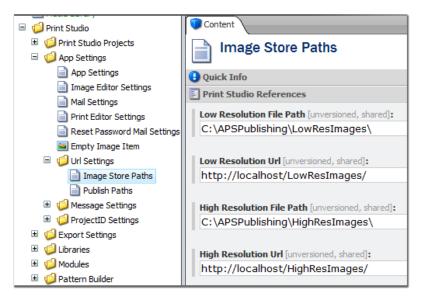
PrintStudio.StorePath	Path to temp image upload folder.
PrintStudio.DashboardServiceType	SOAP message service type sent to dashboard.
PrintStudio.DashboardServiceMethod	SOAP message service method sent to dashboard.
PrintStudio.VirtualDirectoryUrl	URL of temp image upload folder.
PrintStudio.ResponseType	SOAP message response type sent to dashboard



3.5 Changing the Print Studio Settings in Sitecore

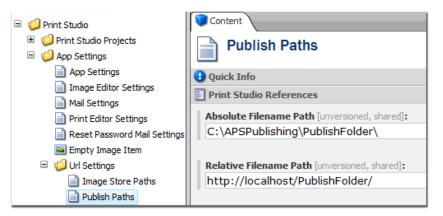
The Print Studio application settings are stored in the Sitecore master database in the /sitecore/Print Studio/App Settings folder

1. Image Store Paths /sitecore/Print Studio/App Settings/Url Settings/Image Store Paths



These settings must be according to the location where the files are stored on a file server in the network. The files are fetched by InDesign Server when publishing.

2. Publish Paths /sitecore/Print Studio/App Settings/Url Settings/Publish Paths



These settings must be according to the location where the published files must be stored (PDF and/or Flash) on a file server in the network. When published, the files get download links (sent in e-mail message) for authorized users to download.



3.6 Installing Windows Services

3.6.1 InDesign Server CS5.5

Installation

The InDesign Server Windows Service is installed with the installer as provided by Adobe. It automatically installs the 64-bit and 32-bit service according to the hardware used and operating system that is available on the system.

When the system is 64-bit it is recommended to use that Service for publishing. This means the 32-bit service does not need to be started.

🛃 Computer Management									
File Action View Help									
Computer Management (Local)	🖏 Services	-							
🕀 🕑 Task Scheduler	InDesignServerService x64	Name 🔺	Description	Status					
🛨 🛃 Event Viewer	,	Resource Publication	Publishes this computer and resources attached to this c						
🕀 👸 Shared Folders	Stop the service	🖏 Group Policy Client	The service is responsible for applying settings configure	Started					
🕀 🌺 Local Users and Groups	Pause the service	🖾 Health Key and Certificate Management	Provides X.509 certificate and key management services						
O Performance <u>Restart</u> the service		Kuman Interface Device Access	Enables generic input access to Human Interface Device						
🚔 Device Manager		🖾 IIS Admin Service	Enables this server to administer the IIS metabase. The	Started					
E Storage	Description:	KE and AuthIP IPsec Keying Modules	The IKEEXT service hosts the Internet Key Exchange (IK						
Disk Management Services and Applications	InDesignServerService x64	Image Processing Service		Started					
Services and Applications Internet Information Serv		InDesign Processing Service		Started					
Routing and Remote Acce			InDesignServerService						
Services		InDesignServerService x64	InDesignServerService x64	Started					
WMI Control		Interactive Services Detection	Enables user notification of user input for interactive ser						
SQL Server Configuration		Internet Connection Sharing (ICS)	Provides network address translation, addressing, name						
		IP Helper	Provides tunnel connectivity using IPv6 transition techno	Started					

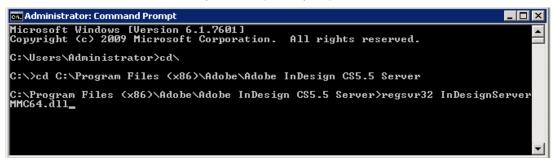
Snap-in

The InDesign Server Windows Service needs the **InDesign Server Service Management Console snap**in for selecting the correct port for sending Soap messages.

When the necessary snap-in is not available for the 64-bit service (after installing with the installer) it needs to be installed with the dos-shell command line.

```
C:\Program Files (x86)\Adobe\Adobe InDesign CS5.5 Server\regsvr32
InDesignServerMMC64.dll
```

1. Select the folder to install the snap-in from (32-bit path).



2. Add the command regsvr32 InDesignServerMMC64.dll

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3. Click **OK** to confirm.

RegSvr:	32	
1	DllRegisterServer in InDesignServerMMC64.dll succeeded.	
	СК	

Then continue with the following steps:

1. Select the Management Console

C:\Program Files\Adobe\Adobe InDesign CS5.5 Server x64\InDesignServerService.msc

📙 C:\Program Files\Adobe\Adobe InDesign CS5.5 Server x64									
😮 🖓 🔹 Computer 🔹 Local Disk (C:) 🔹 Program Files 🔹 Adobe 🔹 Adobe InDesign CS5.5 Server x64 🔹 🔹 😨 Search Adobe InDesign CS5.5 Server									
File Edit View Tools Help									
Organize 🔻 🔚 Open 🝷 New folder					H -				
PerfLogs	_	Name *	Date modified	Туре	Size				
		icuuc36.dll	3/10/2011 3:40 PM 3/10/2011 3:40 PM	Application extension	1,200 КВ 1,299 КВ				
		InDesignServer.com	3/11/2011 12:21 AM	MS-DOS Application	20 KB				
		InDesignServer.exe	3/11/2011 12:21 AM	Application	3,682 KB				
		🚳 InDesignServerMMC64.dll	3/11/2011 12:21 AM	Application extension	349 KB				
		InDesignServerService.exe	3/11/2011 12:21 AM	Application	175 KB				
Documentation ExtendScriptResources Fonts		InDesignServerService.msc	3/10/2011 3:40 PM	Microsoft Common	55 KB				
		🚳 JP2KLib.dll	3/10/2011 3:40 PM	Application extension	897 KB				
JobQueue		🚳 libmmd.dll	3/10/2011 3:40 PM	Application extension	2,855 KB				
鷆 Legal		🚳 LogSession.dll	3/10/2011 3:40 PM	Application extension	487 KB				

2. Double-click the Management Console file.

ID InDesignServerService - [Console Root\InDesignServerSer	rvice]		
D File Action View Window Help			
🗇 🔿 🙍 📾 🛛 🖬			
Console Root	Name	Port Command line a	rgume
Carl InDesignServerService			

3. Select the folder InDesignServerService. Right-click and select New, and select New InDesignServer Instance.

İD	InDes	ignServ	erServ	ice - [Con	sole Root\;	InD	esignServerSe	rvice]		
ID	File	Action	View	Window	Help					
		2] 🛃	2 🖬						
		ole Root DesignSe	rvarSar	vice				Name	Port	Comm
	_		New	1			New InDesignS	erver instance		
						Т				l



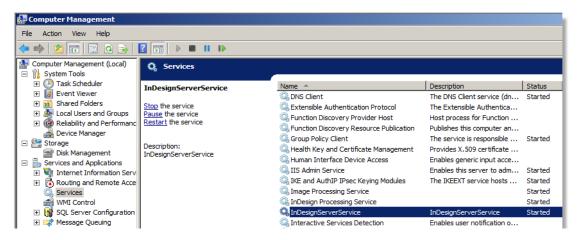
4. Select InDesignServer Service.

InDesignServerService - [Console Root\InDesignServerService]									
ID File Action View Window Help									
Console Root	Name	Port	Command line arguments						
a InDesignServerService	In DesignServerService	no port							

- 5. Right-click and select **Properties**.
- 6. Insert the needed port number (default 8081 for InDesign Server) and click OK.

InDesignServerService - [Console Root\InDesignServerService - [Console Root\InDesignServerServerService - [Console Root\InDesignServerSer	gnServerService]		
D File Action View Window Help			
🔄 🔿 🗾 📰 🔀 🗐 🔁			
Console Root	Name	Port	Command line arguments
InDesignServerService	InDesignServerService	no port	
	InD	esignServerService settings	? ×
		InDesignServerService setting:	s
		Port number	8081
		Command line arguments	
		OK	Cancel Apply

- 7. Open the Computer Management Console.
- 8. Select the InDesignServerService





9. Select the Local System account user for running the service

InDesignServerService P	roperties (Local Compute	er) 🗡
General Log On Recov	ery Dependencies	
Log on as:		
Local System account	l	
Allow service to int		
C This account:		Browse
Password:		_
<u>C</u> onfirm password:		_
Help me configure user ad	count log on options.	
You can enable or disable	this service for the hardware	profiles listed below:
Hardware Profile		Service
Undocked Profile		Enabled
Troubleshooting using har	rdware profiles. Enable	<u>D</u> isable
	OK Can	cel <u>Apply</u>

Note

Depending on your network settings, you may need to login using a different account.

- 10. (Re)start the InDesign Server Service and wait a few seconds.
- Check in the browser with the address and port number (for example http://localhost:8081/) InDesign server runs correctly. If the following message displays, the service runs and can be used for publishing.

Ehttp://localhost:8081/ - Windows Internet Explorer	
ⓒ < Ø http://localhost:8081/ ▷ < < Ø localhost	< û ☆ ⊕
<pre><?xml version="1.0" encoding="UTF-8"?> - <soap-env:envelope enc="http://schemas.xmlsoap.org/soap/encoding/" env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:idsp="http://ns.adobe.com/InDesign/soap/" xmlns:soap-="" xmlns:ssi="http://www.w3.org/soap/encoding/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema"> - <soap-env:body> - <soap-env:fault "="" envelope="" http:="" schemas.xmlsoap.org="" soap="" soap-env:encodingstyle="http://schemas.xmlsoap.
</subscript="> - <soap-env:body> - <soap-env:fault soap-env:encodingstyle="http://schemas.xmlsoap.org/soap/envelope/"> - <soap-env:fault soap-env:encodingstyle="http://schemas.xmlsoap.org/soap/envelope/"> - <soap-env:fault soap-env:encodingstyle="http://schemas.xmlsoap.org/soap/envelope/"> - <soap-env:fault soap-env:encodingstyle="http://schemas.xmlsoap.org/soap/envelope/"> </soap-env:fault> </soap-env:fault> </soap-env:fault> </soap-env:fault> </soap-env:body></soap-env:fault> </soap-env:body></soap-env:envelope></pre>	.org/soap/encoding/">

3.6.2 InDesign Server Engine CS5.5

The InDesign Server Engine CS5.5 is used for publishing all documents with InDesign Server CS5.5. It is not a Windows service, but a plug-in on InDesign Server. Use IDSEngineSetup32.msi or IDSEngineSetup64.msi for installation.

Configurations are stored in the Config.ini in the installation folder of the plug-in. Usually in



C:\Program Files\Adobe\Adobe InDesign CS5.5 Server x64\Plug-Ins\Sitecore

or

C:\Program Files (x86)\Adobe\Adobe InDesign CS5.5 Server\Plug-Ins\Sitecore

To install:

1. Start the IDSEngineSetup64.msi. Click Next on the opening screen.



- 2. When upgrading a Warning message appears. Consider to back up all config files.
- 3. Click Yes to continue installation





4. Read the License Agreement. Select I accept the terms in the License Agreement and click Next.

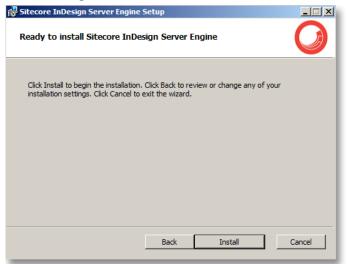
Sitecore InDesign Server Engine Setup				
End-User License Agreement				
Please read the following license agreement carefully				
Sitecore License Agreement				
LICENSEE'S USE OF THE SITECORE SOFTWARE IS SUBJECT TO LICENSEE'S FULL ACCEPTANCE OF THE TERMS, CONDITIONS, DISCLAIMERS AND LICENSE RESTRICTIONS SET FORTH IN THIS AGREEMENT.				
1. <u>License Grant</u> : Upon payment in full of the license fee, Licensor grants Licensee a non-exclusive, perpetual, non-transferable, non- assignable, non-sublicensable license, without time limitations, to use				
☑ I accept the terms in the License Agreement				
Print Back Next Cancel				

5. Select the destination folder and click Next.

🐺 Sitecore InDesign Server Engine Setup	
Destination Folder Click Next to install to the default folder or click Change to choose another.	Ø
Install Sitecore InDesign Server Engine to:	
C:\Program Files\Adobe\Adobe InDesign CS5.5 Server\Plug-Ins\Sitecore\	
Change	
Back Next	Cancel



6. Click **InDesign** to start the installation.



Note

From this point forward the installation will proceed and can only be canceled.

7. When upgrading, your system may request a restart. In this case click No.

🚼 Sitecor	🙀 Sitecore InDesign Server Engine Setup					
You must restart your system for the configuration changes made to Sitecore InDesign Server Engine to take effect. Click Yes to restart now or No if you plan to manually restart later.						
<u>Y</u> es <u>N</u> o						

- 8. The installation is finished, click **Finish** to exit.
- 9. Start or restart the InDesignServerService.

3.6.3 Additional Settings

PDF Settings

The Publishing Settings items (/sitecore/Print Studio/Publishing Settings) refer to the PDF settings files (.joboptions) as available on the publishing server (Server with InDesign Server CS5.5).

The required "PDF Settings" can be created with for example Adobe InDesign CS5.5.



The joboptions file must be available on the server running InDesign Server for the correct user folder, for example as in the following screenshot.

C:\Documents and Settings\pectora\Application Data\Adobe\Adobe PDF\Settings Elle Edit View Favorites Icols Help						
O Back ▼ O ▼ B P Search P Folders Address C:\Documents and Settings\pectora\Application Data\Adobe\Adobe PDF\Settings						
Folders	*	Name Draft PDF 1. joboptions Draft PDF WithCropMarks. joboptions Draft PDF WithCropMarks. joboptions Final PDF 1. joboptions Final PDF WithCropMarks. joboptions Final PDF WithCropMarks. joboptions Final PDF WithoutCropMarks. joboptions	Size Type 34 KB JOBOPTIONS File 34 KB JOBOPTIONS File 34 KB JOBOPTIONS File 31 KB JOBOPTIONS File 31 KB JOBOPTIONS File 31 KB JOBOPTIONS File			

Note

You should restart the InDesign Server Service after adding new .joboptions.

Fonts

All fonts required for publishing must be available on the server and on the client systems as well. The Print Studio Center uses the fonts as available in the **APSPublishing\Fonts** folder and reference in the **Fontslist.xml** (can be found in the same folder). Substitute fonts can be used if necessary. The publishing will be done with the original fonts which are referred in the Master (InDesign CS5.5 Master) which is used for the final publishing (PDF).

3.6.4 Installing Dashboard Service

The Dashboard Service handles jobs in the MS Queues. Installation is done using *PrintStudioDashboardServerSetup.msi.*

To install:

- 1. Start the PrintStudioDashboardServerSetup.msi. Click Next on the opening screen.
- 2. When upgrading a Warning message appears. Consider to back up all config files.
- 3. Click Yes to continue installation

🙀 Print Studio Dashboard Server Setup	×
There is a previous version installed. Are you sure you want to continue Print Studio Dashboard Server 1.1.0.4196 installation?	
Yes No	

- 4. Read the License Agreement. Select I accept the terms in the License Agreement and click Next.
- 5. Select the destination folder and click **Next**.

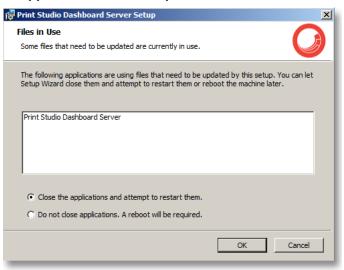


6. Click Install to start the installation.

Note

From this point forward the installation will proceed and can only be canceled.

7. When upgrading, your system may request an update of the files in use. In this case click **Close the applications and attempt to restart them**. Click **OK**.



8. When installation is finished, click Finish to exit.

To configure:

The configuration values are stored in **DashBoardServer.exe.config** located in the installation folder of the service, usually in **C:\Program files(x86)\Sitecore\ Print Studio Dashboard Server**.

.config
allState
•
ashBoardClient.dll
asriboardellent.dii

1. Open DashBoardServer.exe.config and Edit the appropriate values.

```
<configSections>
<section name="Sitecore.PrintStudio.LoggerSettings"
type="Sitecore.PrintStudio.Logger.Settings.LoggerSettings, Sitecore.PrintStudio.Logger" />
</configSections>
<Sitecore.PrintStudio.LoggerSettings>
<LogFile>
<add key="LogFolder" value="C:\APSPublishing\Logs\DashBoardServer\" />
<add key="LogFileName" value="AppLog" />
<add key="LogMaxSizeInBytes" value="500000" />
</LogFile>
</Sitecore.PrintStudio.LoggerSettings>
<appSettings>
<add key="PrintStudio.DBServer.QueuesPath" value=".\Private$\PrintStudio_" />
<add key="PrintStudio.DBServer.SMTPClient" value="localhost" />
<add key="PrintStudio.DBServer.FromEmailAddress" value="publishing@printstudio.com" />
```



<add key="PrintStudio.DBServer.LogFolder" value="C:\APSPublishing\Logs\DashBoardServer\" />
</appSettings>

2. Edit the LogFolder with the appropriate value.

<add key="LogFolder" value="C:\APSPublishing\Logs\DashBoardServer\" />

3. Edit the AppSettings section

Configuration keys description for Print Studio Dashboard Server

PrintStudio.DBServer.QueuesPath	Path to MS Queue used for jobs.
PrintStudio.DBServer.SMTPClient	SMTP server address that is used to handle e-mail notifications.
PrintStudio.DBServer.FromEmailAddress	E-mail address that is used as FROM in the notifications.
PrintStudio.DBServer.LogFolder	Location of the log files.

4. Edit the appropriate value for DashBoardWebService reference in the Service Model section.

```
<system.serviceModel>
    <serviceHostingEnvironment aspNetCompatibilityEnabled="true" />
    <services>
     <service behaviorConfiguration="DashBoardWebServiceBehavior"</pre>
 name="Sitecore.PrintStudio.DashBoardServer.DashBoardWebService">
        <endpoint address="" binding="basicHttpBinding"
 bindingConfiguration="BasicHttpBinding_IDashBoardWebService"
 contract="Sitecore.PrintStudio.DashBoardClient.IDashBoardWebService"/>
        <endpoint address="mex" binding="mexHttpBinding" contract="IMetadataExchange" />
        <host>
          <baseAddresses>
            <add baseAddress="http://localhost:8070/DashBoardWebService"/>
          </baseAddresses>
        </host>
      </service>
    </services>
    <behaviors>
      <serviceBehaviors>
        <behavior name="DashBoardWebServiceBehavior">
          <serviceMetadata policyVersion="Policy15" httpGetEnabled="true" />
          <serviceDebug includeExceptionDetailInFaults="false" />
        </behavior>
      </serviceBehaviors>
    </behaviors>
    <bindings>
      <basicHttpBinding>
        <binding name="BasicHttpBinding_IDashBoardWebService"</pre>
 hostNameComparisonMode="StrongWildcard"
        receiveTimeout="00:30:00" sendTimeout="00:30:00" openTimeout="00:30:00"
 closeTimeout="00:30:00"
        maxReceivedMessageSize="2147483647" maxBufferSize="2147483647"
 maxBufferPoolSize="2147483647"
        transferMode="Buffered" messageEncoding="Text" textEncoding="utf-8"
 bypassProxyOnLocal="false" useDefaultWebProxy="true">
          <readerQuotas maxNameTableCharCount="2147483647" maxArrayLength="2147483647"
 maxDepth="2147483647" maxStringContentLength="2147483647" />
          <security mode="None" />
```



```
</binding>
</basicHttpBinding>
</bindings>
</system.serviceModel>
```

5. Save and Close the configuration file.

Note

Service needs to be started as described in next step, or restarted if already running.

- 6. Open Services management console and select Print Studio Dashboard Server service.
- 7. Right-click and click Start.

9 Services File Action V	iew Help			(
(+ +) 🗊 🖸) 🙆 🛃 🔽 📷 🕨 🔳 11 🕪				
🤹 Services (Loca	O Services (Local)				
	Print Studio Dashboard Server	Name	Description	Status	Startup Type 🔦
	Start the service	Portable Device Enumerator Service Power Print Spooler	Enforces gr Manages p Loads files t	Started Started	Manual Automatic Automatic
		Print Studio Dashboard Server Problem Reports and Solutions Con	Start		Automatic Manual
		Problem Reports and Solidions Con Program Compatibility Assistant Ser Protected Storage	Stop Pause Resume		Automatic Manual +
 ■ 	Extended Standard		Restart		
Start service Print S	tudio Dashboard Server on Local Com	puter	All Tasks		

To uninstall:

- 1. To remove the service, open Add/Remove Programs and select Print Studio Dashboard Server.
- 2. Click **Remove** and follow the uninstall wizard steps.

3.6.5 Image Processing Service

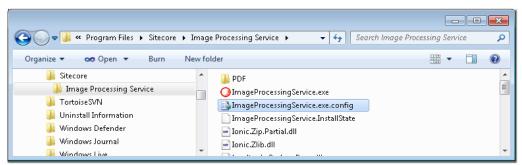
Use PrintStudioImageProcessingService.msi or PrintStudioImageProcessingService_x64.msi for installation.

Configurations are stored in **ImageProcessingService.exe.config** in the installation folder of the service. Usually in **C:\Program files\Sitecore\Image Processing Service**.

To configure:



The configuration values are stored **ImageProcessingService.exe.config** in the destination folder selected at the previous step of the installation wizard.



After successful installation, the service is available in the system Services, accessible by computer Management console. By default the service is not started.

🔍 Services					- • •
<u> </u>	iew <u>H</u> elp				
) 🖸 📑 🚺 🖬 🕨 🖬 🕪				
🧠 Services (Loca	Services (Local)				
	Image Processing Service Start the service	Name	Description	Status	Startup Type 🗖
		🧠 Human Interface Device Access	Enables gen		Manual 📃
		🔍 IKE and AuthIP IPsec Keying Modules	The IKEEXT	Started	Automatic
		💁 Image Processing Service			Automatic
		🔍 Interactive Services Detection	Enables use		Manual 👻
		<			•
<	Extended Standard				

Before you start the service, make sure that all the configuration settings are correct and valid.

- Navigate to the installation folder and **Open** *ImageProcessingService.exe.config.* The <applicationSettings>is the main section that holds the configuration keys and values, and should be modified according the environment requirements.
- 2. Verify and if necessary **Edit** the values for the keys referencing web services or folder locations. <configSections>

```
<section name="Sitecore.PrintStudio.LoggerSettings"</pre>
type="Sitecore.PrintStudio.Logger.Settings.LoggerSettings, Sitecore.PrintStudio.Logger" />
 <sectionGroup name="applicationSettings" type="System.Configuration.ApplicationSettingsGroup,</pre>
System, Version=2.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089" >
    <section name="ImageProcessingService.Properties.Settings"</pre>
type="System.Configuration.ClientSettingsSection, System, Version=2.0.0.0, Culture=neutral,
PublicKeyToken=b77a5c561934e089" requirePermission="false" />
  </sectionGroup>
</configSections>
<Sitecore.PrintStudio.LoggerSettings>
  <LogFile>
    <add key="LogFolder" value="C:\APSPublishing\Logs\ImageProcessingService\" />
    <add key="LogFileName" value="AppLog" />
    <add key="LogMaxSizeInBytes" value="500000" />
  </LogFile>
</Sitecore.PrintStudio.LoggerSettings>
<applicationSettings>
  <ImageProcessingService.Properties.Settings>
    <setting name="PingInterval" serializeAs="String">
      <value>3000</value>
```



```
</setting>
   <setting name="ActiveThreads" serializeAs="String">
     <value>3</value>
   </setting>
   <setting name="DashboardServiceType" serializeAs="String">
     <value>ImageProcessingService</value>
   </setting>
   <setting name="DownloadStoreFolder" serializeAs="String">
      <value>Download</value>
   </setting>
   <setting name="IccProfilePath" serializeAs="String">
      <value>C:\Windows\System32\spool\drivers\color\EuroscaleCoated.icc</value>
   </setting>
   <setting name="ImageOperationsProvider" serializeAs="String">
      <value>PrintStudio.ImageProcessing.LeadtoolsOperations</value>
   </setting>
   </ImageProcessingService.Properties.Settings>
</applicationSettings>
```

eeningalaiten keje aeeenipile	
LogFolder	Path to service log folder.
PingInterval	Interval used to check for a job on Dashboard web service.
ActiveThreads	Maximum number of threads created and used by the service.
DashboardServiceType	Value that indicates the job type, so that the service checks for that particular job type in the queue.
DownloadStoreFolder	Name of the folder where the zip file with the corresponding converted files will be stored.
IccProfilePath	Path to ICC Profile used for CMYK color conversion.
ImageOperationsProvider	The Service Provider to be used for image operations.
ServerStoreFolderPath	Physical path of the folder where the zip files are stored. The zip file will be store inside [ServerStoreFolderPath]\[UserId]\[DownloadStoreFolder]\[SessionId]\[ddmmyyyyhhmmss].zip
ServerStoreFolderUrl	URL of the folder where the generated zips are stored, it should be accessible over the intranet/internet as it is used to construct a link to download the converted files.
ZipHandler	Address of file download handler for downloading the zip files in the convert and download result e-mail.

Configuration keys description

```
3. Edit the appropriate values for DashBoardWebService and MediaService references in the Service Model section.
```



```
maxDepth="2147483647" maxStringContentLength="2147483647"
          maxBytesPerRead="2147483647"/>
        <security mode="None">
          <transport clientCredentialType="None" proxyCredentialType="None"</pre>
            realm="" />
          <message clientCredentialType="UserName" algorithmSuite="Default" />
        </security>
      </binding>
      <binding name="BasicHttpBinding_IDashBoardWebService"</pre>
hostNameComparisonMode="StrongWildcard"
        receiveTimeout="00:30:00" sendTimeout="00:30:00" openTimeout="00:30:00"
closeTimeout="00:30:00"
        maxReceivedMessageSize="2147483647" maxBufferSize="2147483647"
maxBufferPoolSize="2147483647"
        transferMode="Buffered" messageEncoding="Text" textEncoding="utf-8"
bypassProxyOnLocal="false" useDefaultWebProxy="true">
        <readerQuotas maxNameTableCharCount="2147483647" maxArrayLength="2147483647"
maxDepth="2147483647" maxStringContentLength="2147483647" />
        <security mode="None" />
      </binding>
    </basicHttpBinding>
  </bindings>
  <client>
    <endpoint address="http://localhost/PrintStudio/Services/MediaService.svc"</pre>
      binding="basicHttpBinding" bindingConfiguration="BasicHttpBinding_MediaService"
      contract="MediaService.MediaService" name="BasicHttpBinding_MediaService" />
    <endpoint address="http://localhost:8070/DashBoardWebService"</pre>
        binding="basicHttpBinding" bindingConfiguration="BasicHttpBinding_IDashBoardWebService"
        contract="Sitecore.PrintStudio.DashBoardClient.IDashBoardWebService"
name="BasicHttpBinding_IDashBoardWebService" />
  </client>
</system.serviceModel>
```

4. After configuration, you can start the service.

File Action \ 🗇 🐟 🖬	/iew Help	IÞ				
🔍 Services (Loca	Services (Local)	2				
	Image Processing Service	Name		Description	Status	Startup Typ
	Start the service		PIPsec Keying Modules	Enables gen The IKEEXT	Started	Manual Automatic
		Image Process Interactive	ing Service Start	Enables use		Automatic Manual
		🔍 Internet Co 🤐 IP Helper	Stop Pause	Provides ne Provides tu	Started	Disabled Automatic
		IPsec Policy	Resume Restart	Internet Pro	Started	Manual ▶
< III ►] \ Extended / Standard / e Processing Service on Local Compu	iter	All Tasks			1

Note

After you change any of the configuration values, you need to restart the service.

To install:

1. Start the PrintStudioImageProcessingService.msi. Click Next.



- 2. When upgrading a Warning message appears. Consider to back up all config files.
- 3. Click **Yes** to continue installation

🖶 Image Processing Service Setup	×
There is a previous version installed. Are you sure you want to continue Image Processing Service 1.1.0.4196 installation?	
Yes No	

- 4. Read the License Agreement. Select I accept the terms in the License Agreement and click Next.
- 5. Select de destination folder and click Next.
- 6. Click **InDesign** to start the installation.

Note

From this point forward the installation will proceed and may only be canceled.

7. When upgrading, your system may request an update of the files in use. In this case click **Close the applications and attempt to restart them**. Click **OK**.

🙀 Image Processing Service Setup	×
Files in Use Some files that need to be updated are currently in use.	
The following applications are using files that need to be updated by this setup. You ca Setup Wizard close them and attempt to restart them or reboot the machine later.	n let
Image Processing Service	
 Close the applications and attempt to restart them. O Do not close applications. A reboot will be required. 	
OK Car	ncel

8. Click **Finish** to exit.

To uninstall:

To remove the service, open Add/Remove Programs and select **Image Processing Service**. Click **Remove** and follow the uninstall wizard steps.

3.6.6 Installing InDesign Processing Service

The InDesign Processing Service handles publishing from Print Studio Editor to InDesign Server. Installation is done using *PrintStudioInDesignServiceSetup.msi*. Configurations are stored in *DashBoardInDesignService.exe.config* located in the installation folder of the service, usually in **C:\Program files\Sitecore\InDesign Processing Service**.



To install:

- 1. Start the *PrintStudioInDesignServiceSetup.msi*. Click **Next**.
- 2. When upgrading a Warning message appears. Consider to back up all config files.
- 3. Click Yes to continue installation

🚰 InDesign Processing Service Setup	×
There is a previous version installed. Are you sure you want to continue InDesign Processing Service 1.1.0.4196 installation?	
Yes No	

- 4. Read the License Agreement. Select I accept the terms in the License Agreement and click Next.
- 5. Select the destination folder and click **Next**.
- 6. Click InDesign to start the installation.

Note

From this point forward the installation will proceed and may only be canceled.

7. When upgrading, your system may request an update of the files in use. In this case click **Close the applications and attempt to restart them**. Click **OK**.

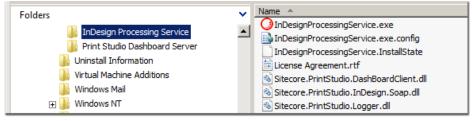
🔂 InDesign Processing Service Setup	×
Files in Use Some files that need to be updated are currently in use.	
The following applications are using files that need to be updated by this setup. You can let Setup Wizard dose them and attempt to restart them or reboot the machine later.	
InDesign Processing Service	
 Close the applications and attempt to restart them. Do not close applications. A reboot will be required. 	
OK Cancel	1

8. The installation is done, click **Finish** to exit.

To configure:



The configuration values are stored **InDesignProcessingService.exe.config** in the destination folder selected at the previous step of the installation wizard.



1. Open InDesignProcessingService.exe.config and Edit the appropriate values.

```
<Sitecore.PrintStudio.LoggerSettings>
```

```
<LogFile>
    <add key="LogFolder" value="C:\APSPublishing\Logs\InDesignProcessingService\"/>
        <add key="LogFileName" value="AppLog"/>
        <add key="LogMaxSizeInBytes" value="500000"/>
        </LogFile>
    </Sitecore.PrintStudio.LoggerSettings>
    <add key="PrintStudio.DBServer.SMTPClient" value="localhost"/>
        <add key="PrintStudio.DBServer.ServiceType" value="InDesignServer"/>
        <add key="PrintStudio.DBServer.ServiceVersion" value="CS5.5"/>
        <add key="PrintStudio.DBServer.FromEmailAddress" value="publishing@sitecore.net"/>
        <add key="PrintStudio.DBServer.ToEmailAddress" value=""/>
        <add key="PrintStudio.DBServer.EmailNotification" value="off"/>
        </a>
```

Configuration keys description for InDesign Processing Service

LogFolder	Folder to write the log files.
PrintStudio.DBServer.SMTPClient	The SMTP Client version.
PrintStudio.DBServer.ServiceType	Service type for publishing.
PrintStudio.DBServer.ServiceVersion	InDesign Server version.
PrintStudio.DBServer.FromEmailAddress	E-mail to notify for the results, used as sender.
PrintStudio.DBServer.ToEmailAddress	E-mail to notify for the results, used as receiver.
PrintStudio.DBServer.EmailNotification	Notification set for e-mail.

2. Edit the appropriate value for **DashBoardWebService** reference.

```
<system.serviceModel>
    <bindings>
        <basicHttpBinding>
        <binding name="BasicHttpBinding_IDashBoardWebService"
hostNameComparisonMode="StrongWildcard"
        receiveTimeout="00:30:00" sendTimeout="00:30:00" openTimeout="00:30:00"
        closeTimeout="00:30:00"
        maxReceivedMessageSize="2147483647" maxBufferSize="2147483647"
        maxReceivedMessageSize="2147483647" maxBufferSize="2147483647"
        maxBufferPoolSize="2147483647"
        transferMode="Buffered" messageEncoding="Text" textEncoding="utf-8"
bypassProxyOnLocal="false" useDefaultWebProxy="true">
            <readerQuotas maxNameTableCharCount="2147483647" maxArrayLength="2147483647"
maxDepth="2147483647" maxStringContentLength="2147483647" />
            <security mode="None" />
            </binding>
```



<client></client>
<endpoint <="" address="http://localhost:8070/DashBoardWebService" td=""></endpoint>
binding="basicHttpBinding" bindingConfiguration="BasicHttpBinding_IDashBoardWebService" contract="Sitecore.PrintStudio.DashBoardClient.IDashBoardWebService"
name="BasicHttpBinding_IDashBoardWebService" />

- 3. **Save** and close the configuration file.
- 4. Open the **Services** management console.
- 5. Right-click InDesign Processing Service and click Start.

Services				[- • ×
File Action Vi	iew Help				
	Q 🛃 🛛 🖬 🕨 🖬 🕪				
🤹 Services (Loca	🔍 Services (Local)				
		i.			
	InDesign Processing Service	Name	Description	Status	Startup Typi 🔦
		🎑 Human Interface Device Access	Enables gen		Manual
	Start the service	🔍 IKE and AuthIP IPsec Keying Modules	The IKEEXT	Started	Automatic 🔲
		🔍 Image Processing Service		Started	Automatic
		🕵 InDesign Processing Service 🛛 🛌 🛁		_	Automatic
		Interactive Services Detection St	art		Manual
		🔍 Internet Connection Sharing () 🛛 🤇 St	op		Disabled
		Q IP Helper Pa	iuse	tarted	Automatic 🐣
		< Br	sume		E.
<	Extended Standard		Junic		

To uninstall:

To remove the service, open Add/Remove Programs and select **InDesign Processing Service**. Click **Remove** and follow the uninstall wizard steps.

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3.7 Configuring MS Queue Server

Verify that the MS Queue server is installed (Windows Server 2008):

- 1. Click Start Menu, navigate to Administrative Tools and select Server Manager.
- 2. Click to expand the Features in the Server Manager tree. Message Queuing should be available.



Note

If the Message Queuing is not available in the Features node, it can be installed with the **Add Feature** option in the Server Manager's Features Summary panel.

Server Manager (WS2008)	Server Manager (₩52008)	
Soles Web Server (IIS) Features Diagnostics Configuration	Get an overview of the status of and add or remove server roles a	f this server, perform top management tasks, and features.
🛨 🚰 Storage	Features Summary	Features Summary Help
	Seatures: 8 of 34 installed	Add Features
	.NET Framework 3.0 Features .NET Framework 3.0	Nonove reduies



3. Click to expand the **Private Queues** node. If the queues are installed correctly, the Private Queues tree should look like the following screenshot.



Note

If the MSMQ was installed after the Dashboard service was started; then the Dashboard service should be restarted in order to create the queues.



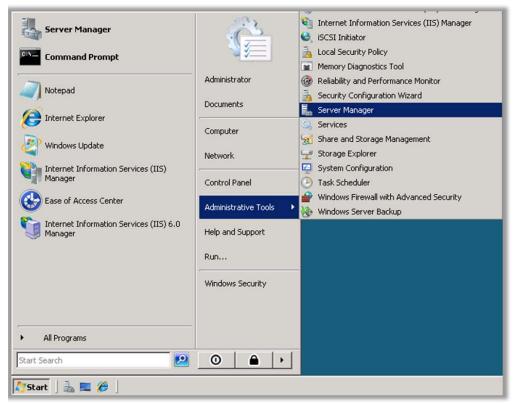
3.8 Configuring SMTP Server

3.8.1 Requirements

- SMTP Server.
- Internet Information Services 6.0 Manager (used to configure the SMTP server settings).
- Telnet client (for testing only).

3.8.2 Verify Service is Installed (Windows Server 2008)

1. Open Start Menu, click Administrative Tools, Server Manager

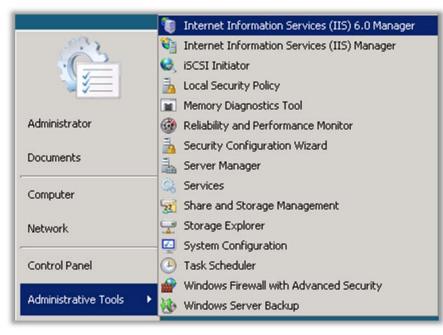




2. Verify in Features Summary whether the SMTP Server is listed.

Features Summary	
Features: 6 of 34 installed	
.NET Framework 3.0 Features	
.NET Framework 3.0	
XPS Viewer	
Message Queuing	
Message Queuing Services	
Message Queuing Server	
Remote Server Administration Tools	
Role Administration Tools	
Web Server (IIS) Tools	
Feature Administration Tools	
SMTP Server Tools	
SMTP Server	
Telnet Client	
Windows Process Activation Service	
Process Model	
.NET Environment	
Configuration APIs	

3. Open Start Menu, click Administrative Tools, Internet Information Services (IIS) 6.0 Manager.





4. Expand local computer and check the [SMTP Virtual Server #1] is running.



5. Right-click [**SMTP Virtual Server #1**] and select **Properties**. Verify the server IP corresponds to the address used in the configurations of the services.

SMTP Virtual Server #1] Properties	? ×
General Access Messages Delivery LDAP Routing Security	Ι,
\	
Fully-qualified domain name:	
IP address:	
(All Unassigned)	ced
Limit number of connections to:	
Connection time-out (minutes):	
Active log format:	
W3C Extended Log File Format Propertie	:\$
OK Cancel Apply	Help



6. Select Access tab and click Relay.

Access control	Delivery LDAP	Routing Security
Edit the authentication met resource.	hods for this	Authentication
- Secure communication		
TLS is not available without	t a certificate.	
E Require TLS encryption	n	
Connection control		
Connection control Grant or deny access to th IP addresses or Internet do		Connection
Grant or deny access to th		Connection
Grant or deny access to the IP addresses or Internet do	main names. to relay e-mail	Connection Relay

7. Verify the options are set as in the following screenshot.

 All except 	he list below
omputers:	
Access	IP Address (Mask) / Domain Name
Add	Remove
	Remove puters which successfully authenticate to relay, regardle

8. Close Properties.

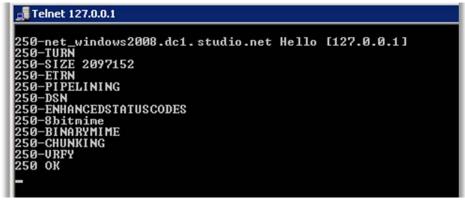
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9. In order to test the server is running you need to use a telnet client. Default telnet client can be used if installed.

S Features: 6 of 34 installed	
.NET Framework 3.0 Features	
.NET Framework 3.0	
XPS Viewer	
Message Queuing	
Message Queuing Services	
Message Queuing Server	
Remote Server Administration Tools	
Role Administration Tools	
Web Server (IIS) Tools	
Feature Administration Tools	
SMTP Server Tools	
SMTP Server	
Telnet Client	
Windows Process Activation Service	
Process Model	
.NET Environment	
Configuration APIs	

- 10. Start a command prompt (Start Menu, Run type cmd and click OK).
- 11. Type telnet **ServerName 25**, where ServerName is the SMTP server name or IP address and 25 is the port number, and then press ENTER.
- 12. Type **EHLO**, and then press ENTER, if the service is running and operating normally you should receive result as:



13. To exit telnet client type **QUIT** and hit Enter.

For more specifications on telnet commands and testing SMTP please visit: http://support.microsoft.com/kb/304897



Chapter 4

Client Side

This chapter describes how to install the InDesign Connector and InCopy Connector plugins on the client machines.



4.1 Client Requirements

The required InDesign Connector and InCopy Connector versions are:

- Adobe InDesign CS5.5 for Windows (v7.5 or higher). Make sure you installed the appropriate language version of InDesign.
- Adobe InCopy CS5.5 for Windows (v7.5 or higher). Make sure you installed the appropriate language version of InCopy.



4.2 Installing Plug-in InDesign CS5.5

Installation is done using IDConnectorSetup.msi. The configurations are stored in **config.ini** in the installation folder. Usually in **C:\Program Files\Adobe\Adobe InDesign CS5.5\Plug-Ins\Sitecore**.

To install:

- 1. Start the IDConnectorSetup.msi. Click Next.
- 2. When upgrading a Warning message appears. Consider to back up all config files.
- 3. Click **Yes** to continue installation.

🕞 Sitecore InDesign Connector Setup	×
There is a previous version installed. Are you sure you want to continue Sitecore InDesign Connector 1.1.0.4196 installation? Yes No	

- 4. Select I accept the terms in the License Agreement and click Next.
- 5. Check the path and click **Next**. Note that from this point the installation will proceed and may only be canceled.
- 6. The installation is done, click **Finish** to exit.

To configure:

The Sitecore InDesign Connector uses a cache folder to store temporary files. During the installation of the plug-in default the folder C:\APSPublishing\InDesignProjects\ is created on the client system. If you prefer to store these cache files on a different location, just change it manually in the **config.ini**, which can be find in the same location as the plug-in **C:\Program Files\Adobe\Adobe InDesign CS5.5\Plug-Ins\Sitecore**.



4.3 Installing Plug-in InCopy CS5.5

Installation is done using ICConnectorSetup.msi. The configurations are stored in **config.ini** located in the installation folder, usually in **C:\Program Files\Adobe\Adobe InCopy CS5.5\Plug-Ins\Sitecore**.

To install:

- 1. Start the ICConnectorSetup.msi. Click Next.
- 2. When upgrading a Warning message appears. Consider to back up all config files.
- 3. Click **Yes** to continue installation.

🕞 Sitecore InCopy Connector Setup	×
There is a previous version installed. Are you sure you want to continue Sitecore InCopy Connector 1.1.0.4196 installation?	
Yes No	

- 4. Select I accept the terms in the License Agreement and click Next.
- 5. Check the path and click **Next**. Note that from this point the installation will proceed and may only be canceled.
- 6. The installation is done, click **Finish** to exit.

To configure:

The Sitecore InDesign Connector uses a cache folder to store temporary files. During the installation of the plug-in default the folder C:\APSPublishing\InDesignProjects\ is created on the client system. If you prefer to store these cache files on a different location, just change it manually in the **config.ini**, which can be find in the same location as the plug-in **C:\Program Files\Adobe\Adobe InCopy CS5.5\Plug-Ins\Sitecore**.



Chapter 5

Product installation troubleshooting

This chapter provides troubleshooting procedures for basic problems with the installation of the APS Module.



5.1 Common Installation Issues

5.1.1 Application Fails to Load

If you see the loading splash screen but the application fails to load, make sure that the WCF services are working and that WCF is correctly installed. Try to confirm that WCF services are working on:

http://localhost/PrintStudio/Services/DesktopService.svc

If you installed WCF correctly, the following message will display.

MediaService Service

You have created a service.

```
To test this service, you will need to create a client and use it to call the service. You can do this using the svcutil.exe tool from the command line with the followir
```

```
svcutil.exe http://scnicam650/PrintStudio/Services/MediaService.svc?wsdl
```

This will generate a configuration file and a code file that contains the client class. Add the two files to your client application and use the generated client class to example:



To install WCF, see Deploying an Internet Information Services-Hosted WCF Service

Select Features
Features Select one or more features to install on this server. Progress Results Point Part Pranework 3.0 (Installed) WCF Activation Invoke application Service to invoke applications remotely over the rowork using protocols such as HTTP, Activation Progress Provide Part Part Part Part Part Part Part Part



5.2 Login Issues

5.2.1 Styles Missing

If the login page appears without any styles and after logging in you see a blank page, check the MIME type: when it is set in IIS, make sure it is not duplicated in Web.config. It would appear as:

```
<system.webServer>

...

<staticContent>

<mimeMap fileExtension=".indd" mimeType="application/x-indesign" />

</staticContent>

</system.webServer>
```

5.2.2 Login Loop

If you seem to be in an endless login loop and constantly see the loading splash screen or "**Session expired**" messages, then check the Web.config to make sure that the svc extension is there:

```
<sitecore database="SqlServer">
...
<pipelines>
...
<preprocessRequest>
...
<processor type="Sitecore.Pipelines.PreprocessRequest.FilterUrlExtensions,
Sitecore.Kernel">
```

```
<param desc="Allowed extensions (comma separated)">aspx, ashx, asmx, svc/
param>
```

