

Adaptive Print Studio v1.0 Installation manual

Installing Adaptive Print Studio



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Chapter 1

Introduction

This document describes how to install Sitecore Adaptive Print Studio v1.0 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
- Chapter 3 Server Side
- Chapter 4 Client Side



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 what is included and the purpose of the files.



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.
- Windows InDesign Desktop plug-ins.
- Windows InDesign Server plug-ins.



Chapter 3

Server Side

This chapter contains:

- APS System Requirements
- Preparing IIS for Installation
- Importing Sitecore Package
- Changing the Print Studio Settings in Sitecore
- Installing Windows Services
- Configure MS Queue 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 Server 2003 (32/64-bit).
- Windows Server 2008 (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 failsafe 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 it for IIS using a 2003 server:

- 1. Open IIS and add the following MIME type:
- 2. Open IIS Manager, right-click on MyComputer (local computer) node
- 3. Click Properties
- 4. Click on **MIME Types**
- 5. Click New

		C	<u>N</u> ew
			<u>E</u> dit
			<u>R</u> emove
MIME type details			
Extension:			
MIME type:			

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



To configure the InDesign MIME type using a 2008 server version, open the local computer node.

Eile	View	Help
Conne	ections	
Q- [8
	Start Pa	age
🗄 🖣	WIN-L2	NGR9C5VPR (WIN-L2NGR9C5VP
[💮 Арр	lication Pools
÷.	道 Site	s

- Select MIME Types (by double-clicking)
- Click Add.

In the File name extension box, enter: .indd. In the MIME type box enter in: application/x-indesign.

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

3.2.2 Creating Folders

All the necessary folders needed for the applications to be able to upload, download and store different images and files, are contained in the **APSPublishingFolders.zip**

Extract the contents of **APSPublishingFolders.zip** to a suitable location, which is accessible for the IIS as shown.



It is best to organize the folder tree within a parent folder named **APSPublishing**, located at a suitable location outside the Sitecore Website folder.



Folders description

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	is 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 being published

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 web site.



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 following information: Alias and Physical Path.

Add Virtual Directory	<u>? ×</u>
Site name: Default Path: /	
Alias:	
HighResImages	
Example: images	
Physical path:	
C:\APSPublishing\HighResImages	
Pass-through authentication	
Connect as Test Settings	
OK Canc	el

- 4. Click OK.
- 5. Repeat steps 1-4 for each folder (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

One package needs to be installed, it contains all items, files and the Print Studio website. It is called "Adaptive Print Studio-xx.xx.xx".

Note

Before importing Sitecore packages, make sure that 32-Bit applications are enabled. See Could not Load File or Assembly.

Importing Package

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



3. Browse and select the package then click Upload.



4. Once uploaded select the package and click **Open**.

Bitecore 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				
	Open	Cancel		

5. Click Next.

🔋 Installation Wizard	×
Select Package	
Select a package to install.	
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 pa Browse Upload	dage.
< Back Nex	t > Cancel

6. Select "I Accept the terms of the license agreement"



7. Click Next.

installation Wi Ready to Install The wizard is rea	izard X
Package name:	Adaptive Print Studio
Version:	1
Author:	Sitecore Corporation
Publisher:	Sitecore Corporation
	< Back Install Cancel

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

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3.4 Configure Print Studio Web Services and Applications

3.4.1 Configure the Logger

- 1. Open web.config file from Sitecore Website folder.
- 2. Navigate down to the <log4net> section.
- 3. Paste the following after the last </appender> item:

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

- 1. **Open** *web.config* file from the Sitecore Website folder.
- 2. Navigate down 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"</pre>
name="Sitecore.PrintStudio.WebServices.DesktopService">
      <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"</pre>
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"</pre>
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>
      <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"
               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 as with the appropriate URL values:

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

Note

When using websites with multiple bindings this should be configured in the <serviceHostingEnvironment</pre> key as shown below. multipleSIteBindingsEnabled is applicable only if .net framework 4.0 is installed

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

5. Navigate down 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">

```
...
comparison of the second secon
```

8. Save and Close the web.config file.

3.4.3 Configure 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.

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.

Sections description

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 a shared settings from the <common> section.

<common type="Sitecore.PrintStudio.Configuration.SettingsSection, Sitecore.PrintStudio.Configuration"> <settings hint="raw:AddToSettingsList"> <setting name="PrintStudio.Database" value="master"/> <setting name="PrintStudio.CoreDatabase" value="core"/> <setting name="PrintStudio.Shell" value="shell"/> <setting name="PrintStudio.WebHost" value="http://localhost/"/> <setting name="PrintStudio.Domain" value="sitecore"/> <setting name="PrintStudio.WcfServiceSendReceiveTimeout" value="20"/> <setting name="PrintStudio.WcfServiceOpenCloseTimeout" value="10"/> <setting name="PrintStudio.AdminRoles" value="sitecore/Sitecore Local Administrators" /> <setting name="PrintStudio.StandardFields" value="Title|Keywords|Description|Alt" /> <setting name="PrintStudio.FolderIcon" value="Applications/128x128/folder.png" /> <setting name="PrintStudio.PhotoSceneryIcon" value="Applications/128x128/photo_scenery.png" /> <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.PrintService" value="http://localhost/PrintStudio/Services/</pre> PrintService.svc"/> <setting name="PrintStudio.IconHandler" value="http://localhost/PrintStudio/Handlers/</pre> IconHandler.ashx?url=" /> <setting name="PrintStudio.grCodeGenerator" value="http://localhost/PrintStudio/Handlers/</pre> QrCodeGeneratorHandler.ashx"/>

</settings>

</common>

Configuration keys description for common section

PrintStudio.Database	Sitecore database to be used.
PrintStudio.CoreDatabase	Sitesore Core database.
PrintStudio.Shell	Sitesore Shell web site.
PrintStudio.WebHost	URL of the Sitecore website. Used for constructing different paths for icons, images and so on.
PrintStudio.Domain	Sitecore domain where the user accounts should be read from.



Configuration keys description for common section

PrintStudio.WcfServiceSendReceiveTimeout	Wcf Service send/receive time-out in minutes.
PrintStudio.WcfServiceOpenCloseTimeout	Wcf Service open/close time-out in minutes.
PrintStudio.AdminRoles	Comma separated list of roles which will have admin access.
PrintStudio.StandardFields	Standard fields collection for file or image.
PrintStudio.SitecoreShellThemesStandard	Sitecore icon handler.
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.MediaHandler	Address of the handler used for downloading media files.
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.MediaThumbnailPath" value="~/media/{0}.ashx?h=32&amp;thn=1&amp;w=32" /
>
<setting name="PrintStudio.MediaDashboardServiceType" value="ImageProcessingService"/>
```



<setting name="PrintStudio.MediaDashboardServiceMethod" value="QueueImageJobMethod"/>
<setting name="PrintStudio.MediaResponseType" value="Notifying"/>
<setting name="PrintStudio.ImageCleanTemp" value="image" />
<setting name="PrintStudio.PathToICCFile"
 value="C:\WINDOWS\system32\spool\drivers\color\AdobeRGB1998.icc" />
<setting name="PrintStudio.MediaHasWorkbox" value="True"/>
<setting name="PrintStudio.MediaServiceProvider"
 value="Sitecore.PrintStudio.WebServices.Providers.SitecoreMediaProvider"/>
<setting name="PrintStudio.MaxVisibleUploadsCount" value="10"/>
<setting name="PrintStudio.MaxUploadsCount" value="10"/>
</settings>

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 indicating 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	Maximum number of visible files.
PrintStudio.MaxUploadsCount	Value indicating the max number of files to 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.DownloadPdfHandler" value="http://localhost/PrintStudio/Handlers/
DownloadPdfHandler.ashx?file=" />
<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 containing meta fields shown on UI.
PrintStudio.PrintHasWorkbox	Value indicating if workbox node will be added to the content tree in Print Explorer application.
PrintStudio.ReportItemMinUsageCount	Minimum usages of Images shown in Report tab in Print 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.DownloadPdfHandler	Handler to fetch the generated PDF sent via e-mail.
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">
```

```
<setting name="PrintStudio.ProjectsFolder" value=" C:\inetpub\NicamDemoSite\WebSite\Projects\" />
<setting name="PrintStudio.InDesignServerName" value="InDesignServer.Application.CS5.5" />
<setting name="PrintStudio.BarcodeHighResPath"</pre>
```

```
value="C:\inetpub\NicamDemoSite\WebSite\Projects\Barcodes\" />
```

```
<setting name="PrintStudio.UploadFolder" value=" C:\inetpub\NicamDemoSite\WebSite
\Projects\Uploads\" />
```

```
<setting name="PrintStudio.StoreMastersInDB" value="true" />
```

```
<setting name="PrintStudio.MastersStoragePath" value=" C:\inetpub\NicamDemoSite\WebSite
\Projects\Masters" />
```

</settings>

</printstudioengine>



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.lconsUrl	Sitecore icons path.
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 being 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

🖃 🧊 Print Studio	Content
🗉 🧔 Print Studio Projects	Publish Paths
🖃 🧔 App Settings	
App Settings	Ouick Info
📄 Image Editor Settings	Print Studio Deferences
Mail Settings	- File Studio References
Print Editor Settings	Absolute Filename Path [unversioned, shared]:
📄 Reset Password Mail Settings	C:\APSPublishing\PublishFolder\
🔤 Empty Image Item	
🖃 🧔 Url Settings	Relative Filename Path [unversioned, shared]:
📄 Image Store Paths	http://localhost/PublishFolder/
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. The files get download links (send in e-mail message) when published and authorized users can download it.



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)	Ö. Services			
🖃 🎁 System Tools				
🕀 🕑 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
E Local Users and Groups	Pause the service	🖾 Health Key and Certificate Management	Provides X.509 certificate and key management services	
E Performance	Restart the service	Human 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
🖃 🚟 Storage	Description:	KE and AuthIP IPsec Keving Modules	The IKEEXT service bosts the Internet Key Exchange (IK	
Disk Management	InDesignServerService x64	Image Processing Service		Started
Services and Applications		Integer Processing Service		Started
Internet Information Serv		The sign Processing Service	To De sites Commence and the	Starteu
E Souting 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		States (ICS) 😳 🎧	Provides network address translation, addressing, name	
🕀 😥 Message Queuing		🏩 IP Helper	Provides tunnel connectivity using IPv6 transition techno	Started

Snap-in

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

When the needed 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



3. Confirm with enter the message as below is shown.



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 🔻 \overline Open 💌 New folder						
🄑 PerfLogs		Name ^	Date modified	Туре	Size	_
🎉 Program Files	Í	No Icanise.an	3/10/2011 3:40 PM	Application extension	1,200 KD	
Adobe		🚳 icuuc36.dll	3/10/2011 3:40 PM	Application extension	1,299 KB	
🍌 Adobe InDesign CS5.5 Server x64		InDesignServer.com	3/11/2011 12:21 AM	MS-DOS Application	20 KB	
(InDesignServer Resources)		InDesignServer.exe	3/11/2011 12:21 AM	Application	3,682 KB	
(ObjectModel Resources)		🚳 InDesignServerMMC64.dll	3/11/2011 12:21 AM	Application extension	349 KB	
AMT		InDesignServerService.exe	3/11/2011 12:21 AM	Application	175 KB	
ExtendScriptResources		ID InDesignServerService.msc	3/10/2011 3:40 PM	Microsoft Common	55 KB	
Fonts		🚳 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	
🌗 Legal		🚳 LogSession.dll	3/10/2011 3:40 PM	Application extension	487 KB	

2. Double-click the Management Console file to start it.

InDesignServerService - [Console Root\InDesignServerSe	rvice]		
ID File Action View Window Help			
🗇 🔿 🙍 📑 🔒 🔽 🖬			
Console Root	Name	Port	Command line arguments
TnDesignServerService			Ther

3. Select the folder InDesignServerService.

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4. Right-click and select New, and select New InDesignServer Instance.

InDesignServ	erService - [Cons	ole Root\In	DesignServerSe	rvice]		
D File Action	View Window	Help				
🗇 🔿 🔁 🖬	🛃 🛛 🖬					
Console Root				Name	Por	t Comm
🔄 InDesignSe	rverService New	► I	New InDesignS	erver instance		
	View New Window fro Export List Help	om Here				

5. Select InDesignServer Service.

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

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

InDesignServerService - [Console Root\InDes	ignServerService]		
D File Action View Window Help			
🗢 🔿 🖄 📰 🗙 🖻 🗟 🖬			
Console Root	Name	Port	Command line arguments
InDesignServerService	InDesignServerService	no port	
	InDes	signServerService settings	? 🗙
		InDesignServerService setting:	s
		Port number	8081
		Command line arguments	
		ОК	Cancel Apply

8. Open the Computer Management Console.





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

InDesignServerService Properties (Local Compute	r) 🔀
General Log On Recovery Dependencies	
Log on as:	
Local System account	
	-
O <u>I</u> his account:	<u>B</u> rowse
Password:	
Confirm password:	
Help me configure user account log on options.	
You can enable or disable this service for the hardware	profiles listed below:
Hardware Profile	Service
Undocked Profile	Enabled
T III I III III III Fucht	Disable
OK Cano	el <u>A</u> pply

Note

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

11. (Re)start the InDesign Server Service and wait a few seconds.

sitecore



 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.



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. Installation is done using IDSEngineSetup32.msi or IDSEngineSetup64.msi.

Configurations are being stored in the **Config.ini** located in the installation folder of the service, 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.

Installation

1. Start the IDSEngineSetup64.msi.





- 2. Select "I Agree" and confirm with Next on the license agreement
- 3. Click **Next** and on the next screen select "Everyone" option, you can also change the destination folder it does not affect the functioning of the Service. Bear in mind that you won't be able to change it later.

🙀 Sitecore InDesign Server Engine	_ <u> </u>
Select Installation Folder	Ø
The installer will install Sitecore InDesign Server Engine to the following fold To install in this folder, click. "Next". To install to a different folder, enter it be	er. slow or click "Browse".
Eolaer: C:\Program Files\Adobe\Adobe InDesign CS5.5 Server\Plug-Ins\Ada	Browse Disk Cost
Install Sitecore InDesign Server Engine for yourself, or for anyone who us Everyone Just me	es this computer:
Cancel < Back	Next >

4. Click **Next** to start the installation.

Note

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

- 5. The installation is finished, click **Close** to exit.
- 6. Start or restart the InDesign Server Service CS5.5.



3.6.3 Additional settings

PDF Settings

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

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



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

Note

Restart the InDesign Server Service after adding new .joboptions.

Fonts

All fonts needed 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 **Fontlist.xml** (can be found in the same folder).

Substitute fonts can be used if needed. 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.*

Installation

1. Start the PrintStudioDashboardServerSetup.msi.



- 2. .Select "I Agree" and confirm with Next on the license agreement
- 3. Click **Next** and on the next screen select "Everyone" option, you can also change the destination folder it does not affect the functioning of the Service. Bear in mind that you will not be able to change it later
- 4. Click Next to start the installation

Note

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

5. When installation is done, click **Close** to exit.



Configuration

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**.



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

```
<configSections>
   <section name="Sitecore.PrintStudio.LoggerSettings"</pre>
 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 used for handling e-mail notifications.
PrintStudio.DBServer.FromEmailAddress	E-mail address that is used as FROM in the notifications
PrintStudio.DBServer.LogFolder	Location of the Logs 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 select Start.

Uninstalling

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

3.6.5 Image Processing Service

Installation is done using ImageEngineProcessingServiceSetup.msi or PrintStudioImageProcessingService_x64.msi.

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

Installation

1. Start the PrintStudioImageProcessingService.msi.

🖟 Image Processing Service
Welcome to the Image Processing Service Setup Wizard
The installer will guide you through the steps required to install Image Processing Service on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel < Back Next >



- 2. Select "I Agree" and confirm with Next on the license agreement
- 3. Click **Next** and on the next screen select "Everyone" option, you can also change the destination folder it does not affect the functioning of the Service. Bear in mind that you won't be able to change it later.
- 4. Click **Next** to start the installation.

Note

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

5. The installation is done, click **Close** to exit.

Configuration

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



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

Services			[- • •
<u>File Action View H</u> elp				
Services (Loca O Services (Local)				
Image Processing Service	Name	Description	Status	Startup Type 🔦
Start the service	Human Interface Device Access IKE and AuthIP IPsec Keying Modules	Enables gen The IKEEXT	Started	Manual 📃 Automatic
	🙀 Image Processing Service			Automatic
	Interactive Services Detection	Enables use		Manual *
Extended Standard				

Prior starting the service it is best to first make sure 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 Edit if necessary 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="LoqFolder" 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>
      <setting name="ServerStoreFolderPath" serializeAs="String">
        <value>C:\APSPublishing\ImageJobStore</value>
      </setting>
      <setting name="ServerStoreFolderUrl" serializeAs="String">
        <value>http://localhost/ImageJobStore/</value>
     </setting>
     <setting name="ZipHandler" serializeAs="String">
        <value>http://localhost/PrintStudio/Handlers/DownloadHandler.ashx</value>
     </setting>
     </ImageProcessingService.Properties.Settings>
  </applicationSettings>
```



Configuration keys description

LogFolder	Path to service log folder.
PingInterval	Interval used to check for a job on Dashboard web service.
ActiveThreads	Maximum number of threads being created and used by the service.
DashboardServiceType	Value indicating what the job type is, 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 being stored. The zip file will be store inside [ServerStoreFolderPath]\[UserId]\[DownloadStoreFolder]\[SessionId]\[ddmmyyyy hhmmss].zip
ServerStoreFolderUrl	URL of the folder where the generated zips are being stored, it should be accessible over the intranet/internet as it is used to construct a link for downloading the converted files.
ZipHandler	Address of file download handler for downloading the zip files in the convert and download result e-mail.

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

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

```
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```



4. After configuration is done, you can start the service.



Note

After changing any of the configuration values the service needs to be restarted.

Q. Services							
File Action Vi	iew Help						
) 🖸 🔒 🛛 🛐 📄 🖿 🚺 🕪						
🍳 Services (Loca	Services (Local)	P.					
	Image Processing Service	Name	*		Description	Status	Startup Typ 🔦
	Stop the service	🧠 Humai 🔍 IKE and	n Interface Device Acc I AuthIP IPsec Keying	ess Modules	Enables gen The IKEEXT	Started	Manual Automatic 🔲
	The service	SemI 💭	Orneassing Sanvica			Started	Automatic
		G Inte G Inte G IP ⊢ G IPse	Start Stop Pause Resume	S)	Enables use Provides ne Provides tu Internet Pro	Started Started	Manual Disabled Automatic Manual
۲ III +	Extended Standard		Restart				
Stop and Start servi	ce Image Processing Service on Local C	Computer	All Tasks	•			

Uninstalling

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 being stored in *DashBoardInDesignService.exe.config* located in the installation folder of the service, usually in **C:\Program files\Sitecore\InDesign Processing Service**.

Installation

1. Start the PrintStudioInDesignServiceSetup.msi.

🕆 InDesign Processing Service
Welcome to the InDesign Processing Service Setup Wizard
The installer will guide you through the steps required to install InDesign Processing Service on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel < Back. Next >

- 2. Select "I Agree" and confirm with Next on the license agreement
- 3. Click **Next** and on the next screen select "Everyone" option, you can also change the destination folder it does not affect the functioning of the Service. Bear in mind that you won't be able to change it later.
- 4. Click **Next** to start the installation.

Note

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

5. The installation is done, click Close to exit.



Configuration

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 for PrintStudio.DBServer.LogFolder and PrintStudio.DBServer.IPAddress.

<Sitecore.PrintStudio.LoggerSettings>

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. URL address of Dashboard web service. system.serviceModel.client.endpoint. address

Configuration keys description for InDesign Processing Service



```
2. Edit the appropriate value for DashBoardWebService reference.
<system.serviceModel>
    <bindings>
      <br/>
<br/>
diagicHttpBinding>
        <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:8070/DashBoardWebService"</pre>
          binding="basicHttpBinding" bindingConfiguration="BasicHttpBinding_IDashBoardWebService"
          contract="Sitecore.PrintStudio.DashBoardClient.IDashBoardWebService"
 name="BasicHttpBinding_IDashBoardWebService" />
    </client>
  </system.serviceModel>
```

address=http://localhost:8070/DashBoardWebService

- 3. Save and close the configuration file.
- 4. Open Services management console, and select InDesign Processing Service.

Services					- • •
File Action Vi	iew Help				
	4 11 🛛 🖌 📷 🔽 🖌				
🎑 Services (Loca	Q Services (Local)				
	InDesign Processing Service	Name	Description	Status	Startup Type 🔷
		🌼 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	Start		Manual
		🔍 Internet Connection Sharing () 👘 🔅	Stop		Disabled
		Q IP Helper	Dause	tarted	Automatic 🐣
	ļ	•	Resume		+
I → III	\Extended / Standard /				

5. Right-click and select Start.

Uninstalling

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

Installation Manual



3.7 Configure MS Queue Server

Verify MS Queue server 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 via Add Feature option in the Server Manager's Features Summary panel.

Server Manager (WS2008)	Server Manager (WS2008)				
Votes V	Get an overview of the status of this server, perform top management tasks, and add or remove server roles and features.				
Storage	Features Summary	Features Summary Help			
	Features: 8 of 34 installed .NET Framework 3.0 Features	Add Features			
	.NET Framework 3.0 XPS Viewer				
	Desktop Experience				
	Message Queuing				
	Message Queuing Services				
	Message Queuing Server				



3. Click to expand the **Private Queues** node, if the queues are installed correctly the following should be seen in the Private Queues tree.





3.8 Configure SMTP Server

3.8.1 Requirements

- SMTP Server.
- Internet Information Services 6.0 Manager (used for configuring 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. In Features Summary verify 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
Fully-qualified domain name:
IP address:
(All Unassigned) Advanced
Limit number of connections to:
Connection time-out (minutes): 10
Enable logging Active log format:
W3C Extended Log File Format
OK Cancel Apply Help



6. Select Access tab and click Relay.

Access control	
Edit the authentication methods for this	
resource.	Authentication
Secure communication	
TLS is not available without a certificate.	
Require TLS encryption	
Connection control	
Grant or deny access to this resouce using IP addresses or Internet domain names.	Connection
Relay restrictions	
Grant or deny permissions to relay e-mail through this SMTP virtual server.	Relay

7. Verify the options are set as shown below.

All except	the list below
omputers: Access	IP Address (Mask) / Domain Name
Add	Remove

8. Close Properties.

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

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 Se	ervice
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 information on telnet commands and testing SMTP refer to 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 InDesign Connector and InCopy Connector plug-ins require the windows Adobe Desktop versions:

- Windows InDesign CS5.5 (v7.5 or higher)
- Windows InCopy CS5.5 (v7.5 or higher)

4.2 Installation Plug-in InDesign CS5.5

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

Installation

- 1. Start the IDConnectorSetup.msi.
- 2. Select "I Agree" and confirm with **Next** on the license agreementClick **Next** and on the next screen select "**Everyone**" option, you can also change the destination folder.
- 3. Click **Next** to start the installation. Note that from this point forward the installation will proceed and may only be canceled.
- 4. The installation is done, click **Close** to exit.

Configuration

The Sitecore InDesign Connector does use a cache folder to stored temporary files. During the installation of the plug-in default the folder C:\Projects\ 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 Installation Plug-in InCopy CS5.5

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

Installation

1. Start the ICConnectorSetup.msi.



- 2. Select "I Agree" and confirm with Next on the license agreement
- 3. Click **Next** and on the next screen select "**Everyone**" option, you can also change the destination folder.
- 4. Click **Next** to start the installation. Note that from this point forward the installation will proceed and may only be canceled.
- 5. The installation is done, click **Close** to exit.

Configuration

The Sitecore InDesign Connector does use a cache folder to stored temporary files. During the installation of the plug-in default the folder C:\Projects\ 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 does not 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:



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

Add Features Wizard		×
Select Features		
Features Confirmation Progress Results	Select one or more features to install on this server. Features: Image: NET Framework 3.0 Features (Installed) Image: NET Framework 3.0 (Installed) Image: NetWork Intervention Image: NetWork Intervention <t< th=""><th>Description: Windows Communication Foundation (WCF) Activation, uses Windows Process Activation Service to invoke applications remotely over the network using protocols such as HTTP, Message Queuing, TCP, and named pipes. Consequently, applications can start and stop dynamically in response to incoming work items, resulting in application hosting that is more robust, manageable, and efficient. > Install Cancel</th></t<>	Description: Windows Communication Foundation (WCF) Activation, uses Windows Process Activation Service to invoke applications remotely over the network using protocols such as HTTP, Message Queuing, TCP, and named pipes. Consequently, applications can start and stop dynamically in response to incoming work items, resulting in application hosting that is more robust, manageable, and efficient. > Install Cancel

5.1.2 Could not Load File or Assembly

If, during the package install, you encounter the following error:

Server Error in '/' Application.





First make sure that the log files are attached. If they are, go to Advanced Settings, Application Pools...

🐂 Internet Information Services (11	S) Manager					
WIN-MOT3BM2M4	01 • Application Pools					
File View Help						
Connections Connections Application Pools Start Page Image: Sta					re associated with tions.	
asp.beta1	Filter:	• I	n co 🔹 🔤 she	WAII [Group by:]	vo Grouping	•
	Name 🔺	Status	.NET Frame	Managed Pipeli	Identity	Applications
	Classic .NET Ap	Started	v2.0	Classic	ApplicationPoolIden	0
	DefaultAppPool	Started	v2.0	Integrated	ApplicationPoolIden	1
⊕⊡ app_Jata ⊕⊡ aspnet_dient ⊕⊡ bin	Sitecore65AppPool	Started	v2.0	Integrated	NetworkService	1

and set Enable 32-Bit Applications to True:

dvanced Settings			?
🗆 (General)			
.NET Eramework Ver	ion v2	.0	
Enable 32-Bit Applica	tions Tr	ue	-
Managod Dipolino Mo	do Int	tograted	
Name	De	faultAppPool	
Queue Length	10	00	
Start Automatically	Tru	Je	
🗆 СРИ			
Limit	0		

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>

