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Overview

EVO PDF Server was created to make available the power of the EVO PDF tools on various platforms.

The components and features of the server are accessed through client libraries which can be directly referenced in your applications.

The client libraries API is very similar to the regular libraries API, to make the porting between platforms very easy.

There are client libraries for .NET Framework, .NET Core and Java which can be used in various environments, including Windows, Linux and macOS operating systems, Azure App Service or Azure Functions, Xamarin and Universal Windows Platform (UWP) and other platforms which support .NET Core or Java.

EVO PDF Server instance can run as a TCP/IP service or as a web service. If the server was installed as a TCP/IP service, it can be accessed by client applications by an IP address and a port number. If the server was installed as a web service it can be accessed by client applications by an URL.

The server was designed to simultaneously process multiple requests at the same time and the same server instance can be used by multiple applications.



Server Download

The server ZIP package can be downloaded directly from [EVO PDF Software Downloads Page](#) and extracted in a folder. The full path of various files inside the package can become quite long after extraction and because of this it is recommended to extract it into a root or close to it to avoid working with such long file names.

Server Package Contents

The server package is structured in subfolders. At top level there is a subfolder for each platform supported for server installation: Windows, Azure Cloud and IIS.

Each platform subfolder can contain other subfolders for the different types of servers supported on each specific platform.

There is an '**Installation.pdf**' document for each type of server in the corresponding subfolder containing detailed installation instructions for that type of server.

The different types of servers are briefly described below.

- On **Windows OS** the server can be installed in a **Windows Service**. The server instance runs as a TCP / IP service in this case and it can be accessed based on the IP address assigned at installation
- In **Azure Cloud** the server can be installed in a **Cloud Service** or in a **Service Fabric Application** and there is a corresponding subfolder for each of these options. The Azure Cloud Service can have a **Worker Role** and the server instance runs as a TCP/IP server or it can have a **Web Role** and, in this case, it runs as a web service which can be accessed by an URL
- In **IIS** the server can be installed in a **Web Application** which can be accessed by an URL

Server Installation

After the server package was extracted in a folder you can start installation of a specific type of server.

Choosing the Type of Server

When choosing a type of server, you can consider the resources available in your organization.

For example, if you have available a machine with any Windows OS, preferable Windows Server, then you can consider installing the EVO PDF Server in a Windows Service or in a Web Application in IIS on that machine.

If you install it as Windows Service then the IP address assigned to service at installation must be accessible for the machines running the client applications. It can be the default localhost IP address '127.0.0.1' if both the service and the client applications are running on the same server. This usage scenario is also very convenient during development and testing phase of your application because you don't have to access external machines.

If you install it in a Web Application in IIS then the application URL must be accessible to the machines running the client applications.

If you don't have a Windows machine available you can consider installation of the EVO PDF Server in Azure Cloud from Microsoft which offers reliable and scalable solutions.

Running operations like HTML to PDF conversion inside the server requires important memory and CPU resources and even if you would prefer the Azure App Service for hosting your application you have to consider that running the HTML to PDF conversion with a decent performance would require a service plan which might generate in the end the same costs as the Azure Cloud Service or Azure Service Fabric options.

If you install the server in an Azure Cloud Service Worker Role or in an Azure Service Fabric Application you can access the server by the IP address assigned at server installation.

If you install the server in an Azure Cloud Service Web Role you can access the server by the URL assigned at server installation.

Cloud Services installation is very simple especially when using the publish wizard integrated in Visual Studio, which is the recommended method of installation.

Installing of a Type of Server

There is an '**Installation.pdf**' document for each type of server in the corresponding subfolder containing detailed installation instructions for that type of server.

You can follow the instructions from that document to get the server installed.

Running the Demo Applications

After EVO PDF Server installation you are ready to start using the client libraries in your applications. You can start with our demo applications from EVO PDF Client ZIP packages which can be downloaded directly from [EVO PDF Software Downloads Page](#) and extracted in a folder.

There are separate packages for **.NET Framework** and **.NET Core** with demo application for all components and features.

- The package for .NET Core contains the product binaries, demo Visual Studio projects with full C# code for ASP.NET Core targeting .NET Core 6.0 and later versions, the library documentation in CHM format
- The package for .NET Framework contains the product binaries, demo Visual Studio projects with full C# code for ASP.NET Web Forms and ASP.NET MVC targeting .NET Framework 4 and later versions, the library documentation in CHM format

There are separate demo projects for each major component of the library, including **HTML to PDF**, **Word to PDF**, **Excel to PDF**, **PDF to Text**, **PDF to Image**, **PDF to HTML** and **PDF Images Extractor** corresponding to the tools from **EVO PDF Toolkit** bundle.

The demo applications allow you to enter the server IP address and the port number if you installed the server as a TCP/IP service or the server URL if you have installed the server as a web service.

Below is a screenshot of the HTML to PDF demo client application from client package for .NET Core.

The screenshot shows the 'Getting Started with EVO HTML to PDF Converter' window. On the left is a sidebar with a tree view of features under 'HTML to PDF Converter', including 'Getting Started with HTML to PDF', 'HTML Content Destination and Scaling in PDF', 'Convert the Current HTML Page to PDF', 'Convert a HTML Page to PDF in Same Session', 'Merge Multiple HTML Pages into a Single PDF', 'Merge HTML with Existing PDF Documents', 'Partially Convert of a HTML Page to PDF', 'Repeat HTML Table Header and Footer in PDF', 'Headers and Footers', 'Page Breaks Control', 'Screen and Print Media Types', 'Conversion Triggering Modes', 'Hierarchical Bookmarks', 'Table of Contents', 'Live PDF Forms', 'HTMLS Features', 'HTTP GET and POST, Proxy Options', 'HTTP Headers and Cookies', 'Fonts Embedding', 'HTML Elements Location in PDF', 'HTML Elements Visibility in PDF', 'URI Links in PDF', 'Internal Links in PDF', 'File Links and Attachments', 'Text Notes in PDF', 'PDF Actions', 'HTML to PDF Elements', 'HTML to Image Elements', 'Images Quality in Generated PDF', 'Flash and Extensions Support', 'Watermarks and Stamps', 'PDF/A and PDF/X Standards', 'CMYK and GrayScale Color Spaces', 'PDF Viewer Preferences', 'PDF Security Features', 'HTML to Image Converter', 'PDF Creator', and 'PDF Editor'. The main area is titled 'Getting Started with EVO HTML to PDF Converter' and contains instructions: 'Convert a HTML page from an URL or a HTML String to PDF using the basic options of the EVO HTML to PDF Converter. The Full Description and a Code Sample can be accessed from the top tabs.' Below this are configuration options: 'Use TCP/IP Server' (selected) with IP Address '127.0.0.1' and Port '40001'; 'Use Web Service' (unselected) with URL 'http://' and Service Password; 'Convert URL or Local File' (selected) and 'Convert HTML String' (unselected); 'HTML Page URL or Local File to Convert' with the value 'http://www.evopdf.com'; 'HTML Viewer Options' with Width '1024' px and Height 'px'; 'PDF Page Options' with Size 'A4' and Orientation 'Portrait'; 'Navigation Options' with Timeout '60' sec and Delay Conversion '2' sec; a checkbox for 'Display PDF inline'; and a 'Convert HTML to PDF' button.

For TCP/IP server the localhost address '127.0.0.1' is used by default. You can use this address if you installed the server as Windows Service on the local machine or if you are running the server for Azure in the emulator on the local machine.

The Web Service URL can be for example the URL of the Web Application you installed in IIS which can also be a localhost address.

If you installed the sever on a remote Windows machine or in Azure Cloud you have to use the corresponding IP address or web service URL which must be accessible to the machine running the client application.