**How to Convert HTML to PDF with Multithreading Using C# in .NET Core**

Our Syncfusion® [**HTML-to-PDF converter**](https://www.syncfusion.com/document-processing/pdf-framework/net/html-to-pdf) is a .NET PDF library for converting webpages, SVG MHTML and HTML files to PDF using C#. It uses the popular rendering engine Blink (Google Chrome). It is reliable and accurate. The result preserves all graphics, images, text, fonts, and the layout of the original HTML document or webpage.

HTML-to-PDF conversion for multiple web pages can be executed in parallel using the multithreading concept. Syncfusion’s HTML-to-PDF converter supports multithreading with the **Parallel.ForEach** method allows efficient and concurrent processing of multiple HTML conversion tasks.

This method optimizes performance by executing multiple instances of the ConvertHTMLToPDF method in parallel. Maximizing CPU utilization significantly reduces conversion time. Each task independently processes a distinct HTML segment, generating separate PDF documents simultaneously. This approach is highly effective for handling large volumes of data efficiently.

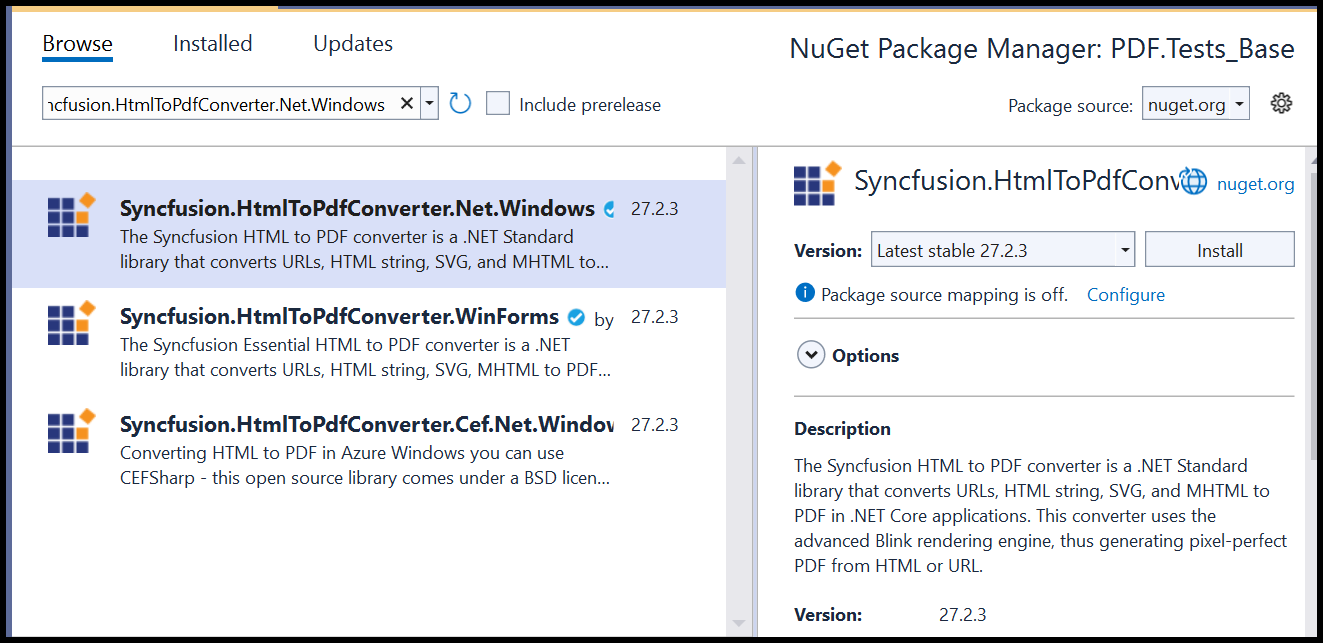
**Steps for Converting Multiple HTML Pages to PDF Using Multithreading:**

1. Create a new Console application project.

A screenshot of a computer

AI-generated content may be incorrect.

1. Install the **[Syncfusion.HtmlToPdfConverter.Net.Windows](https://www.nuget.org/packages/Syncfusion.HtmlToPdfConverter.Net.Windows" \t "_blank)** NuGet package as a reference to your console application from [**Nuget.org**](https://www.nuget.org/).



1. Include the following namespaces and code snippets in the **Program.cs** file.  
   **C#**

**using** Syncfusion.HtmlConverter;

**using** Syncfusion.Pdf;

**using** Syncfusion.Drawing;

**using** System.Threading.Tasks;

1. Use the following code sample in **Program.cs** to perform HTML-to-PDF conversion with multiple HTML documents in parallel using multithreading.

**C#**

**class** **Program**

{

**static** **void** **Main**()

{

string text = System.IO.File.ReadAllText(Path.GetFullPath("page1.html"));

text += System.IO.File.ReadAllText(Path.GetFullPath("page2.html"));

IEnumerable<int> works = Enumerable.Range(0, 100);

Parallel.ForEach(works, index => ConvertHTMLPDF(text));

Console.WriteLine("PDF Conversion completed.");

}

**static** byte[] **ConvertHTMLPDF**(string html)

{

BlinkConverterSettings blinkConverterSettings = **new** BlinkConverterSettings()

{

PdfPageSize = PdfPageSize.A4,

ViewPortSize = **new** Syncfusion.Drawing.Size(800, 1200),

};

//Initialize HTML to PDF converter.

HtmlToPdfConverter htmlConverter = **new** HtmlToPdfConverter()

{

ConverterSettings = blinkConverterSettings

};

**using** (**var** document = htmlConverter.Convert(html, string.Empty))

{

**using** (**var** stream = **new** MemoryStream())

{

document.Save(stream);

string outputName = Guid.NewGuid().ToString();

System.IO.File.WriteAllBytes("Output " + outputName + ".pdf", stream.ToArray());

**return** stream.ToArray();

}

}

}

}

A complete working sample can be downloaded from [**HTML-to-PDF-Multithreading**](https://www.syncfusion.com/downloads/support/directtrac/general/ze/HTML-to-PDF-Multithreading_%282%292044108428).

**Conclusion**  
I hope you enjoyed learning on how to convert HTML to PDF with multithreading using C# in .NET Core.  
You can refer to our [**ASP.NET Core PDF feature tour**](https://www.syncfusion.com/document-processing/pdf-framework/net-core) page to know about its other groundbreaking feature representations and [**documentation**](https://help.syncfusion.com/file-formats/pdf/create-pdf-file-in-asp-net-core), and how to quickly get started for configuration specifications. You can also explore our [**ASP.NET Core PDF example**](https://ej2.syncfusion.com/aspnetcore/PDF/Default#/bootstrap5) to understand how to create and manipulate data. For current customers, you can check out our components from the [**License and Downloads**](https://www.syncfusion.com/sales/teamlicense) page. If you are new to Syncfusion®, you can try our 30-day [**free trial**](https://www.syncfusion.com/downloads/fileformats) to check out our other controls. If you have any queries or require clarifications, please let us know in the comments section below. You can also contact us through our [**support forums**](https://www.syncfusion.com/forums), [**Direct-Trac**](https://support.syncfusion.com/create), or [**feedback portal**](https://www.syncfusion.com/feedback/aspnet-core?control=pdf). We are always happy to assist you!