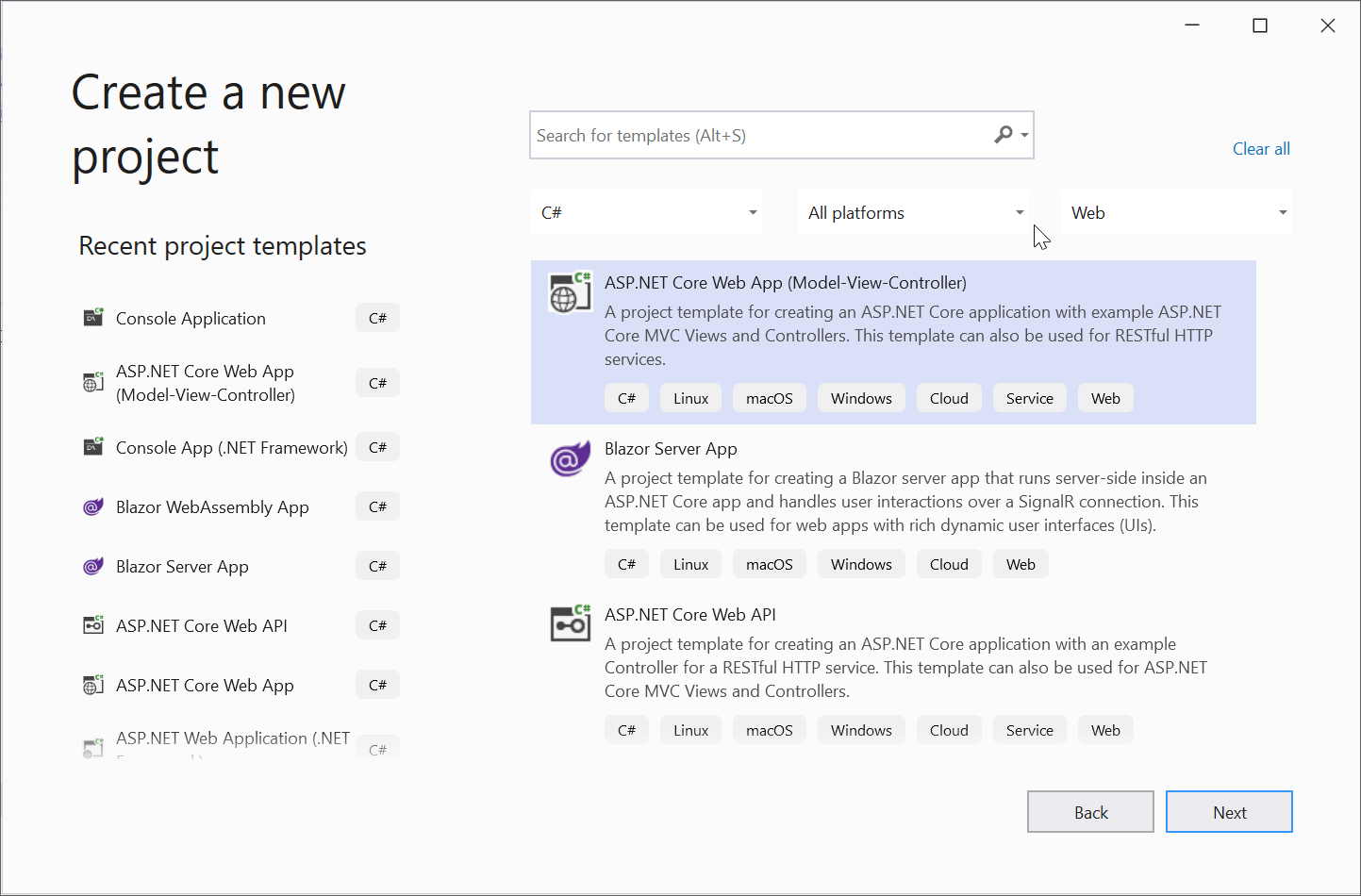
**Converting HTML to PDF in a Windows Docker Container using ASP.NET Core**

The Syncfusion® [HTML to PDF converter](https://www.syncfusion.com/pdf-framework/net/html-to-pdf) for .NET Core is a powerful library for transforming webpages, SVG, MHTML, and HTML content into PDF documents. By employing the Linux HTML converter within a Windows Docker environment, developers can achieve reliable HTML to PDF conversions seamlessly. This guide provides a step-by-step approach to performing these conversions in a Windows Docker container.

**Prerequisites:**

* Docker for Windows: Download Docker for Windows from docker.com.
* Switching Containers: Use the Docker for Windows menu to toggle between Windows and Linux containers as needed, selecting "Switch to Windows containers" for this specific guide.

**Steps to convert HTML to PDF in Windows docker container programmatically**:

**1.Create an ASP.NET Core MVC Application**: Initiate a project using ASP.NET Core Model-View-Controller pattern.

2. Enable Docker support and select Windows as the target operating system.A screenshot of a computer

AI-generated content may be incorrect.

3. **Install Syncfusion Package**: Add [Syncfusion.HtmlToPdfConverter.Net.Windows](https://www.nuget.org/packages/Syncfusion.HtmlToPdfConverter.Net.Windows/) from NuGet as a project reference.

A screenshot of a computer

AI-generated content may be incorrect.

**Note:**

Be aware that Microsoft’s ASP.NET Core Docker image on nanoserver is lightweight but lacks some Windows APIs; it supports 64-bit applications only, which might affect compatibility with certain wrappers. Add a new button in **index.cshtml** as follows.

4. **Add PDF Conversion Functionality**: Insert the following element in **index.cshtml**.

|  |
| --- |
| <h2>Click the button to generate PDF</h2>  @using (Html.BeginForm("ExportToPDF", "Home", FormMethod.Post))  {  <input type="submit" value="Export to PDF" />  } |

5. **Implement the Conversion Logic in the Controller**: Include the required namespaces:

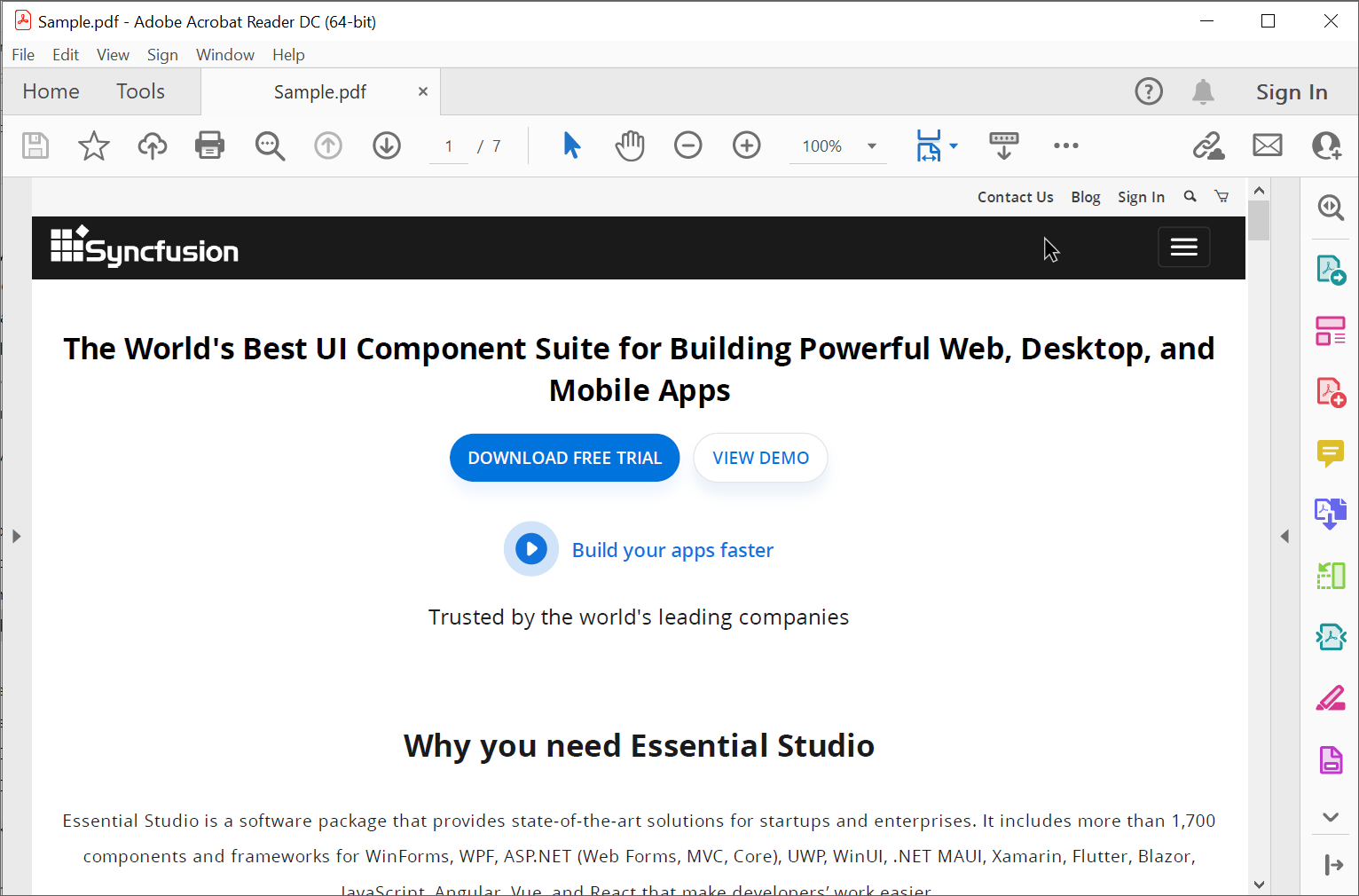
**C#**

|  |
| --- |
| **using** Syncfusion.Pdf;  **using** Syncfusion.HtmlConverter; |

6. Add the conversion code snippet in **HomeController.cs.**

**C#**

|  |
| --- |
| public IActionResult ExportToPDF()  {  // Initialize HTML to PDF converter  HtmlToPdfConverter htmlConverter = new HtmlToPdfConverter();  // Convert URL to PDF  PdfDocument document = htmlConverter.Convert("https://www.syncfusion.com");  MemoryStream stream = new MemoryStream();  // Save and close the PDF document  document.Save(stream);  return File(stream.ToArray(), System.Net.Mime.MediaTypeNames.Application.Pdf, "Sample.pdf");  } |

7.**Build and Run the Application**: Deploy the application in Docker, which will open the webpage in a browser. Use the "Export to PDF" button to perform the conversion. 

Take a moment to peruse the documentation for [converting HTML to PDF](https://help.syncfusion.com/file-formats/pdf/converting-html-to-pdf), where you will find other options like [HTML string to PDF](https://help.syncfusion.com/file-formats/pdf/converting-html-to-pdf#html-string-to-pdf), [partial webpage to PDF](https://help.syncfusion.com/file-formats/pdf/converting-html-to-pdf#partial-webpage-to-pdf), [HTML to single PDF page](https://help.syncfusion.com/file-formats/pdf/converting-html-to-pdf#html-to-single-pdf-page), and [HTML to PDF conversion using IE Rendering](https://help.syncfusion.com/file-formats/pdf/converting-html-to-pdf#conversion-using-ie-rendering) with code examples.

A complete work sample can be downloaded from [HTMLToPDF\_WindowsDocker.zip](https://www.syncfusion.com/downloads/support/directtrac/general/ze/HTMLToPDF_WindowsDocker-1718272640)

**Conclusion**

I hope you enjoyed learning about how to convert HTML to PDF in windows docker container in ASP.NET Core PDF.

You can refer to our [**ASP.NET Core PDF**](https://www.syncfusion.com/document-processing/pdf-framework/net-core) [**feature tour**](https://www.syncfusion.com/document-processing/excel-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**](https://ej2aspnetcore.azurewebsites.net/aspnetcore/pdf/default#/bootstrap5) [**example**](https://ej2.syncfusion.com/aspnetcore/PDF/Default?_gl=1*quk35i*_ga*MjkzODA3NDIuMTY4MjQwOTYyOA..*_ga_WC4JKKPHH0*MTY5MDI2MjM0NS4yNDEuMS4xNjkwMjYyOTc1LjU0LjAuMA..#/bootstrap5) to understand how to create and manipulate data.

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