



UWP



Editor



WINDOWS &gt; GUIDES &gt; EDITOR

# Create watermarks on PDFs in UWP

An app using Nutrient UWP SDK can draw content on top of a PDF using the `OnWatermarkRequested` event found in `PSPDFKit.UI.PdfView`. This event exposes a callback for internal watermark requests, allowing your code to supply a `Watermark` object containing the desired image.

## Using OnWatermarkRequested

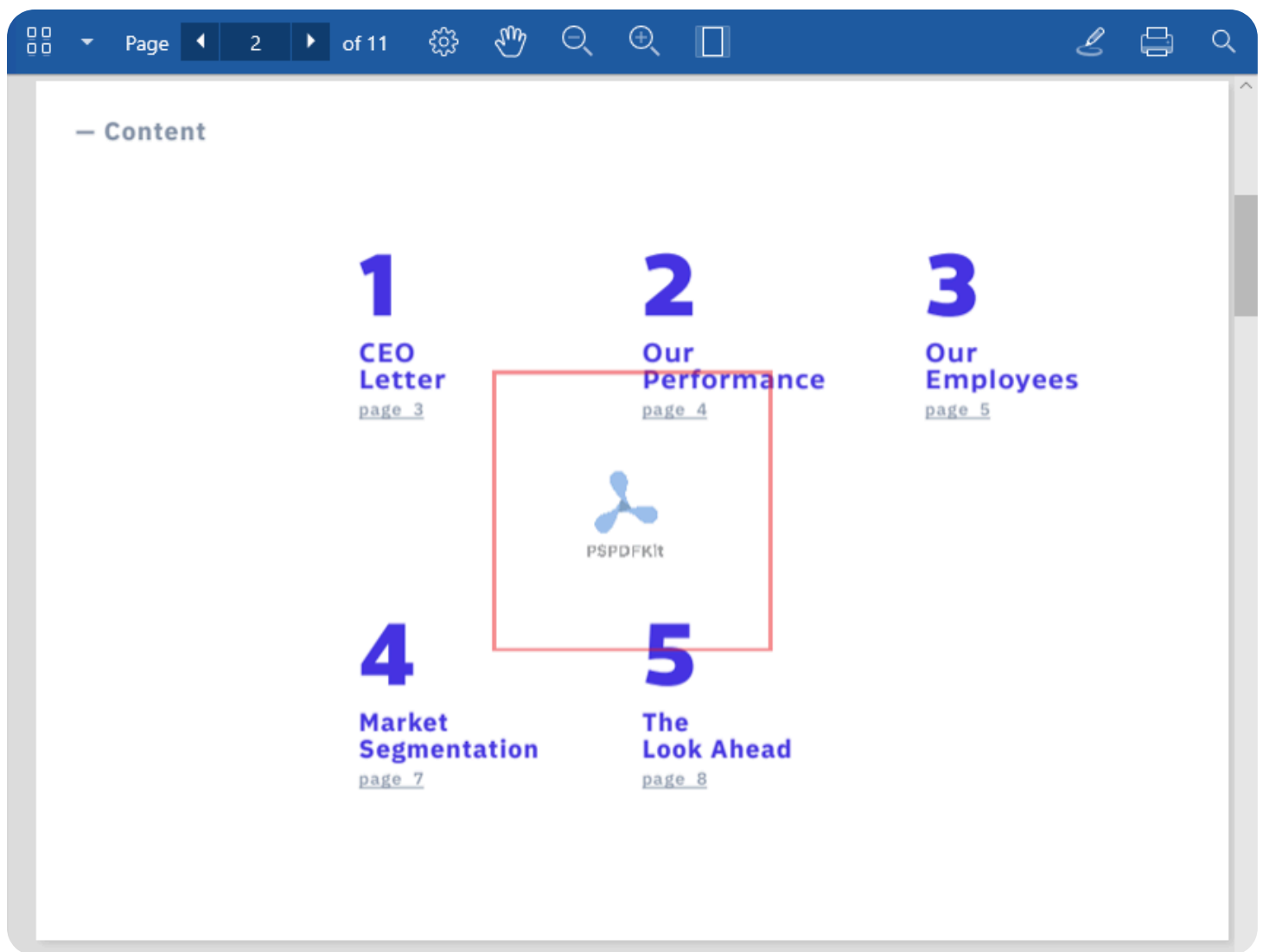
Whenever a page is rendered, you can use the `OnWatermarkRequested` event to render watermarks on the page.

To do this, add an event handler in which a `Watermark` is created, accepting a `SoftwareBitmap` as the image to render, and pass it back. At the end of your handler, the event's deferral must also be completed:

```
1 PDFView.OnWatermarkRequested += async (controller, deferral) =>
2 {
3     using (var image = await AssetLoader.GetWatermarkAsync())
4     {
5         controller.ViewWatermark = new Watermark(image)
6         {
7             HorizontalAlignment = HorizontalAlignment.Center,
8             VerticalAlignment = VerticalAlignment.Center,
9             SizeOnPage = new Size(200, 200)
10        };
11    }
12
13    deferral.Complete();
14 };
```



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Make sure the handler is as efficient as possible, as it might be invoked multiple times per page (depending on tile rendering).

Moreover, watermarks created through `OnWatermarkRequested` are displayed over the document, and they're only visible to the client. When exporting this document, the watermark won't be included.

## Printing

Watermarks created via `OnWatermarkRequested` aren't present when printing a document. To print with a watermark included, it must be set in similar fashion, but to the `Watermark` property of our

`PrintHelper`:

```
1 var printHelper = await PrintHelper.CreatePrintHelperFromSourceAsync(docur
2
3 using (var image = await AssetLoader.GetWatermarkAsync())
4 {
5     printHelper.Watermark = new Watermark(image)
6     {
7         HorizontalAlignment = HorizontalAlignment.Center,
```

```
8         VerticalAlignment = VerticalAlignment.Center,  
9         SizeOnPage = new Size(200, 200)  
10     };  
11 }  
12  
13 await printHelper.ShowPrintUIAsync();
```

Our [Printing](#) guide has more information about the `PrintHelper`.

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Was this helpful?

✓ YES

✗ NO

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Questions? [Contact us](#)

