

HOWTO: Take Control of DocumentAnnotationViewer Automatic Annotation Loading

By default DocumentAnnotationViewer control will automatically extract embedded annotation data from JPEG, TIFF and PDF files. This can be problematic particularly with PDF files which can contain annotations that do not map directly to DotImage annotation types.

The AnnotationDataProvider property of the DocumentAnnotationViewer is what controls how annotations get loaded into the viewer. If you want to change the way that annotations are loaded you will need to create a custom AnnotationDataProvider by implementing the IAnnotationDataProvider interface. Some examples are included below.

Example 1: Turn off all annotations

```
public class TestAnnotationDataProvider : IAnnotationDataProvider { public
TestAnnotationDataProvider(PointF viewerResolution) { } public LayerData GetLayerData(int
frameIndex) { return new LayerData(); } public void PrepareForExtraction(Stream stream, int
frameIndex) { } public void PrepareForExtraction(string fileName, int frameIndex) { } public
void PrepareForExtraction(RandomAccessImageSource source, int frameIndex) { } public void
PrepareForExtraction(AtalaImage image) { } }
```

Example 2: Remove only specific annotation types

```
public class TestAnnotationDataProvider : IAnnotationDataProvider { private
EmbeddedAnnotationDataProvider adp; public TestAnnotationDataProvider(PointF
viewerResolution) { adp = new EmbeddedAnnotationDataProvider(viewerResolution); } public
LayerData GetLayerData(int frameIndex) { LayerData ld = adp.GetLayerData(frameIndex); for(int
i=ld.Items.Count-1; i>=0; i--) { if (ld.Items[i] is PdfLinkData) { ld.Items.RemoveAt(i); } }
return ld; } public void PrepareForExtraction(Stream stream, int frameIndex) {
adp.PrepareForExtraction(stream, frameIndex); } public void PrepareForExtraction(string
fileName, int frameIndex) { adp.PrepareForExtraction(fileName, frameIndex); } public void
PrepareForExtraction(RandomAccessImageSource source, int frameIndex) {
adp.PrepareForExtraction(source, frameIndex); } public void PrepareForExtraction(AtalaImage
image) { adp.PrepareForExtraction(image); } }
```

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2026-10-01 - TD - (Fairly major reformatting)

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