

HOWTO: Print the Current View of the AnnotateViewer

The following will help you print just the visible region from the AnnotationViewer:

C#

```
talaImage img = (AtalaImage)annotateViewer1.Image.Clone(); int width =
Convert.ToInt32(Math.Min((annotateViewer1.ClientSize.Width / annotateViewer1.Zoom),
(annotateViewer1.Image.Width / annotateViewer1.Zoom))); int height =
Convert.ToInt32(Math.Min((annotateViewer1.ClientSize.Height / annotateViewer1.Zoom),
(annotateViewer1.Image.Height / annotateViewer1.Zoom))); int left =
Convert.ToInt32(Math.Abs(annotateViewer1.ScrollPosition.X) / annotateViewer1.Zoom); int top =
Convert.ToInt32(Math.Abs(annotateViewer1.ScrollPosition.Y) / annotateViewer1.Zoom); Rectangle
rcView = new Rectangle(left, top, width, height); if (img.ColorDepth < 24) { img =
img.GetChangedPixelFormat(PixelFormat.Pixel24bppBgr); } Bitmap bmp = img.ToBitmap();
annotateViewer1.Annotations.RenderAnnotations(new Atalasoftware.Annotate.AnnotationImage(bmp));
img = AtalaImage.FromBitmap(bmp); CropCommand cmd = new CropCommand(rcView); img =
cmd.Apply(img).Image; ImagePrintDocument doc = new ImagePrintDocument(img); doc.ScaleMode =
PrintScaleMode.FitToEdges; using (PrintDialog dlg = new PrintDialog()) { dlg.Document = doc;
if (dlg.ShowDialog() == DialogResult.OK) doc.Print(); } doc.Dispose();
```

VB.NET

```
im Img As Atalasoftware.Imaging.AtalaImage = Me.AnnotateViewer1.Image.Clone ' Get the viewable
area of an image. Dim width As Integer =
Convert.ToInt32(Math.Min((Me.AnnotateViewer1.ClientSize.Width / Me.AnnotateViewer1.Zoom),
(Me.AnnotateViewer1.Image.Width / Me.AnnotateViewer1.Zoom))) Dim height As Integer =
Convert.ToInt32(Math.Min((Me.AnnotateViewer1.ClientSize.Height / Me.AnnotateViewer1.Zoom),
(Me.AnnotateViewer1.Image.Height / Me.AnnotateViewer1.Zoom))) Dim left As Integer =
Convert.ToInt32(Math.Abs(Me.AnnotateViewer1.ScrollPosition.X) / Me.AnnotateViewer1.Zoom) Dim
top As Integer = Convert.ToInt32(Math.Abs(Me.AnnotateViewer1.ScrollPosition.Y) /
Me.AnnotateViewer1.Zoom) Dim rcView As Rectangle = New Rectangle(left, top, width, height) If
Img.ColorDepth < 24 Then Dim cmd24 As
Atalasoftware.Imaging.ImageProcessing.ChangePixelFormatCommand = _ New
Atalasoftware.Imaging.ImageProcessing.ChangePixelFormatCommand(Atalasoftware.Imaging.PixelFormat.Pixel24bppBgr)
Img = cmd24.Apply(Img).Image End If Dim bmp As Bitmap = Img.ToBitmap 'Render the annotations
to the cloned image for printing only Me.AnnotateViewer1.Annotations.RenderAnnotations(New
Atalasoftware.Annotate.AnnotationImage(bmp)) Img = Atalasoftware.Imaging.AtalaImage.FromBitmap(bmp)
Dim crop As Atalasoftware.Imaging.ImageProcessing.CropCommand crop = New
Atalasoftware.Imaging.ImageProcessing.CropCommand(rcView) Img = crop.Apply(Img).Image
```

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Atalasoftware Knowledge Base

HOWTO: Print the Current View of the AnnotateViewer

<https://www.atalasoftware.com/kb2/KB/50232/HOWTO-Print-the-Current-View-of-the-...>