XDoc.PDF Developer Guide – Optimization Module

Analyze a PDF file and create a report

C#

```
PDFOptimizeOptions ops = new PDFOptimizeOptions();
ops.DiscardOptions.DiscardAllLinks = true;
ops.DiscardOptions.DiscardAnnotations = true;
ops.DiscardOptions.DiscardBookmarks = true;
ops.DiscardOptions.DiscardDocumentInfo = true;
ops.DiscardOptions.DiscardFormFields = true;
ops.DiscardOptions.DiscardPageThumbnails = true;

String inputFilePath = @"input.pdf";
String outputFilePath = @"output.pdf";

try
{
    PDFOptimizer.Optimize(inputFilePath, outputFilePath, ops);
}
catch (PDFException pdfEx)
{
    Console.WriteLine("[Warning]: " + pdfEx.Message);
}
catch (Exception ex)
{
    Console.WriteLine("[Error]: unexcepted exception - " + ex.Message);
}
```

VB

Optimize an exist PDF file

C#

```
String inputFilePath = @"D:\source.pdf";
String outputFilePath = @"D:\output_optimized.pdf";

// create optimizing options
PDFOptimizeOptions ops = new PDFOptimizeOptions();
//--Options for Monochrome Image --
//  to enable downsampling for those images with resolution higher than 300 dpi to 150 dpi
ops.MonochromeImageOptions.DownsampleMode = ImageDownsampleMode.Bicubic;
ops.MonochromeImageOptions.MaxResolutionLimit = 300F;
ops.MonochromeImageOptions.TargetResolution = 150F;
// to change image compression mode to JBIG2
ops.MonochromeImageOptions.KeepCompressionMode = false;
ops.MonochromeImageOptions.Compression = PDFCompression.JBIG2Decode;
// -- Options for Grayscale Image --
// to enable downsampling for those images with resolution higher than 120 dpi to 96 dpi
ops.GrayscaleImageOptions.DownsampleMode = ImageDownsampleMode.Bilinear;
ops.GrayscaleImageOptions.MaxResolutionLimit = 120F;
ops.GrayscaleImageOptions.TargetResolution = 96F;
//// to change image compression mode to DCT
ops.GrayscaleImageOptions.KeepCompressionMode = false;
ops.GrayscaleImageOptions.Compression = PDFCompression.DCTDecode;
// set quality level, only available for compression mode DCT
ops.GrayscaleImageOptions.JPEGImageQualityLevel = JPEGImageQualityLevel.Medium;
//// -- Options for Color Image --
//// to enable downsampling for those images with resolution higher than 120 dpi to 96 dpi
ops.ColorImageOptions.DownsampleMode = ImageDownsampleMode.Bicubic;
ops.ColorImageOptions.MaxResolutionLimit = 120F;
ops.ColorImageOptions.TargetResolution = 96F;
//// to change image compression mode to DCT
ops.ColorImageOptions.KeepCompressionMode = false;
ops.ColorImageOptions.Compression = PDFCompression.DCTDecode;
//// set quality level, only available for compression mode DCT
ops.ColorImageOptions.JPEGImageQualityLevel = JPEGImageQualityLevel.Medium;

ops.DiscardOptions.DiscardAllLinks = true;
ops.DiscardOptions.DiscardAnnotations = true;
ops.DiscardOptions.DiscardBookmarks = true;
ops.DiscardOptions.DiscardDocumentInfo = true;
ops.DiscardOptions.DiscardFormFields = true;

// remove un-used embed resource, such as font data
ops.DiscardOptions.DiscardUnusedResourcesInPage = true;

// apply optimizing
PDFOptimizer.Optimize(inputFilePath, outputFilePath, ops);
```

VB