

HOWTO: Change WingScan Scanning Options Between Scans

This article covers how to change WingScan scanning options between scans. This will allow you to scan different DPI/Pixel Type/Duplex most scan settings between scans. You can provide a custom user interface for the end user to select options or provide pre-defined option sets.

Please note that the full WingScan API is now documented online

<https://atalasoft.github.io/web-capture-service/>

Versions of DotImage/WingScan prior to 10.6 will find the documentation in the DevelopersGuide pdf that comes with the product... for 10.6 and 10.7, the full WingScan API is in

C:\Program Files (x86)\Atalasoft\DotImage 10.6\bin\WebResources\WebCapture\WingScan API Reference.pdf

or

C:\Program Files (x86)\Atalasoft\DotImage 10.7\bin\WebResources\WebCapture\WingScan API Reference.pdf

respectively.

This guide assumes you have a working WingScan project and have set some number of scanning options within your scanningOptions parameter when instantiating your WingScan plugin, ex:

```
Atalasoft.Controls.Capture.WebScanning.initialize({
    handlerUrl: 'TestCaptureHandler.ashx',
    /* Any additional event handlers */
    scanningOptions: { applyVRS: true, resultPixelType:
Atalasoft.Controls.Capture.PixelType.BW, duplex: true, discardBlankPages:true }
});
```

That will apply VRS, return black and white images, capture duplex (two sided scanning) and discard blank pages.

Note, all of these properties are covered in the WingScan API Reference.pdf

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which is installed along with the SDK in 10.6 and 10.7 and for 11.0 and newer is available online at <https://atalasoft.github.io/web-capture-service/>

So, specifically what we're going to cover is how to change those between scans without relying on the initial scanningOptions. That scanningOptions object passed in to the initialize call is a standard JavaScript object. It is available through `Atalasoft.Controls.Capture.WebScanning.scanningOptions`.

If you wanted to change the `resultPixelType` from `PixelType.BW` (black and white) to `PixelType.Color` it would be as simple as running a bit of JavaScript:

```
Atalasoft.Controls.Capture.WebScanning.scanningOptions.resultPixelType =  
Atalasoft.Controls.Capture.PixelType.Color;
```

Changing the DPI between scans (which again, the properties exposed in the scanningOptions map to the definitions in the Developer Guide) is as simple as:

```
Atalasoft.Controls.Capture.WebScanning.scanningOptions.dpi = 300;
```

Changing the `PageSize` between scans (which again, the properties exposed in the scanningOptions map to the definitions in the documentation) is as simple as:

```
Atalasoft.Controls.Capture.WebScanning.scanningOptions.PaperSize=  
Atalasoft.Controls.Capture.PaperSize.USLetter;
```

You can bind the script to any standard HTML element:

```
<input type="button" title="High quality" value="High quality"  
onclick="Atalasoft.Controls.Capture.WebScanning.scanningOptions.dpi = 300; return false;"  
>
```

```
<input type="button" title="Medium quality" value="Medium quality"  
onclick="Atalasoft.Controls.Capture.WebScanning.scanningOptions.dpi = 200; return false;"  
>
```

As mentioned, you can set any number of properties at the same time:

```
unction setScanningForInvoices() { var options =  
Atalasoft.Controls.Capture.WebScanning.scanningOptions; options.applyVRS = true; options.dpi  
= 300; options.resultPixelType = Atalasoft.Controls.Capture.PixelType.BW; options.duplex =  
true; options.discardBlankPages = true; options.deskew = true; options.autoRotate = true;  
return false; } function setScanningForFlyers() { var options =
```

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```
Atalasoft.Controls.Capture.WebScanning.scanningOptions; options.applyVRS = false; options.dpi = 200; options.resultPixelFormat = Atalasoft.Controls.Capture.PixelType.Color; options.duplex = false; options.discardBlankPages = true; options.deskew = false; options.autoRotate = true; return false; }
```

Essentially, you can customize how you change these settings depending on the needs your application and end-users. If you have a drop down of different document types with different settings or you limit them to "High", "Medium", and "Low" is up to you and how you identified your needs.

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