Batch Scanning consists of two parts: The call to acquire and the ImageAcquired event which is called when each page is scanned. The following example illustrates how this can be done:

#### **Class Fields**

/ this goes in your class definition as a field for your application private Acquisition \_acquisition; private Device \_device;

## Initialization

/This code would happen in your main constructor etc.. this.\_acquisition = new Acquisition(); if (this.\_acquisition.Devices.Default != null) { this.\_device = this.\_acquisition.Devices.Default; } this.\_acquisition.ImageAcquired += new ImageAcquiredEventHandler(\_acquisition\_ImageAcquired); this.\_acquisition.AcquireCanceled += new EventHandler(\_acquisition\_AcquireCanceled); this.\_acquisition.AcquireFinished += new EventHandler(\_acquisition\_AcquireFinished); this.\_acquisition.AsynchronousException += new AsynchronousExceptionEventHandler(\_acquisition\_AsynchronousException);

Please see the <u>Acquisition Demo</u> in our <u>Legacy Demos KB article</u> for a more complete implementation

### Acquire

```
f (this._device == null) { this._device = this._acquisition.Devices.Default; }
this._device.Acquire();
```

### **Event handlers**

```
rivate void _acquisition_ImageAcquired(object sender, Atalasoft.Twain.AcquireEventArgs e) {
    // Perform for each scanned page if (e.Image != null) { AtalaImage currentImg =
    AtalaImage.FromBitmap(e.Image); // do whatever with currentImg currentImg.Dispose(); } }
    private void _acquisition_AsynchronousException(object sender, AsynchronousExceptionEventArgs
    e) { // Try to gracefully close the device so we don't end up "keeping our thumb on the
    scanner" if (this._device.State == TwainState.SourceOpen) { this._device.Close(); } // in
    this simple example we're just blabbing the message.. // production code would likely want to
    provide user friendly message and probably log the error // message and StackTrace for use in
    troubleshooting MessageBox.Show("ERROR: " + e.Exception.Message); } private void
    _acquisition_AcquireFinished(object sender, EventArgs e) { // there is no processing needed
    on finished but if you did need to take some action // after a batch acquire finished, this
    is the place to do it if (this._device.State == TwainState.SourceOpen) {
```

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this.\_device.Close(); } } private void \_acquisition\_AcquireCanceled(object sender, EventArgs
e) { // Again, we are just making sure we gracefully close the device so as not to cause //
errors where device is blocked because it's been left hanging if (this.\_device.State ==
TwainState.SourceOpen) { this.\_device.Close(); } }

#### Original Article:

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#### Atalasoft Knowledge Base

https://www.atalasoft.com/kb2/KB/50261/HOWTO-Scan-Images-with-DotTwain-Acqu...