

# Batch Timer Service

Custom Code for PaperVision Capture that installs a Windows service used to schedule processing of specific batches.

## Overview

This project installs a Windows service (on a server or on client machines) that allows for manipulation of job steps using PaperVision Capture APIs. By implementing the service a user can schedule a time (or multiple times) that the service will manipulate existing batches, moving them from one step (an inactive “holding” step) to an active step that begins the PVC automated import process. Once a batch has been created and populated with import images, the service will manipulate the parent batch to place it back in the holding step until the timer is scheduled to run again.

## Files

The service is installed via the included Windows .msi file: Batch Timer Service Setup.msi

There is also a configuration file included: Configuration.xml – after installation, this file should be edited (see below) and the file placed in the Batch Timer Service subfolder in the installation location.

## Variables

The only file that should be manipulated is the Configuration.xml file. This file contains a <BATCHES> section, within which is a repeatable <BATCH> section which can be configured multiple times for each automated batch creation job the service should manipulate. Each <BATCH> section has the ability to user multiple timers, so it is not necessary to create more than one <BATCH> section for any one job.

## Database Connection

```
<ConnectionString>Server=127.0.0.1;Database=PVC;User Id=sa;Password=1234;</ConnectionString>
```

The above line (Line 18 on file provided) should be configured to use the SQL Database connection string for the PV Capture SQL Database server.

## Values in <BATCH> section

Remember that the <BATCHES> section can contain multiple <BATCH> sub-sections. Each batch sub-section should be enclosed within <BATCH></BATCH>

The following values should all be configured by the user within each <BATCH> section:

```
<BatchId>133253</BatchId>
```

Once the job has been created and a batch is manually created from the Parent Step, the BatchID should be noted from the PaperVision Administration Console Batch Management screens, and the value of the relevant batch's Batch ID should be entered here.

```
<AutocreateStep>AutoCreateStep</AutocreateStep>
```

This is the name of the PVC job workstep that is used to auto-create batches. In a typical configuration, this will be the step immediately following the Parent step, and by default is named AutoCreateBatches\_Part1 (although this can be modified). The actual name of this workstep should be entered in the as the value above.

```
<InactiveStep>InactiveStep</InactiveStep>
```

This is the name of the inactive, unconnected workstep that is specially created for use with this Batch Timer Service. This should be any workstep (usually a Capture or an Index step – it will never be used) that is not a part of the actual PVC job workflow, and the actual name of this workstep should be entered as the value above.

## Timers

Each <BATCH> sub-section also has its own subsection for <TIMERS>, with the ability to create multiple timers within each batch. Within the <TIMERS> sub-section, each Timer sub-section should be enclosed within <TIMER></TIMER>

```
<Days>1235</Days>
```

This will be the days to run the timer.

0 = Sunday  
1 = Monday  
2 = Tuesday  
etc.

The example above (1235) is scheduled to run Monday, Tuesday, Thursday and Friday.

```
<Start>2015-02-03T12:00:00</Start>
```

The Start date and time; enter the first run date and the service will update for the next run time.

## Configuration

Install the service using the included .MSI file.

After installation, edit the Configuration.XML file as per the specification above.

Copy the edited Configuration.XML file and place it into the installation subfolder.

NOTE that the service is installed as manual and is not running after installation. The service should be assigned an appropriate user account (ensure the account has Log on as a service rights on the install computer and appropriate network rights).

Start the service, and set it to Automated if desired.

## Usage

There is no real usage instruction, per se, apart from the configuration above. The service is now running and will execute its associated task as part of the daily operation. Batches should automatically be created and images imported into those batches and the batches submitted for further processing (assuming, of course, configuration of the PVC job is correct and that there are images to be imported).