



Datacap Taskmaster Web Client Service

Installation & Configuration Guide

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Table of Contents

Overview	5
Prerequisites	5
<i>Taskmaster Software</i>	<i>5</i>
<i>Microsoft.NET Framework</i>	<i>5</i>
<i>Account Permissions</i>	<i>5</i>
Unzip the DCTMWebClientSvc.zip File.....	5
Edit the Configuration File	6
<i>Default Settings</i>	<i>6</i>
<i>Definitions of Settings</i>	<i>7</i>
dc2Run_localhost_utility.....	7
Application	7
User	8
Password.....	8
Station.....	8
ShortcutIndex	8
Delay	8
RetryDelay.....	9
WorkTimes.....	9
Install	9
Start Datacap Taskmaster Web Client Service.....	10
View Event Log/Application Level.....	10

Overview

The following are the steps to take to set up the Datacap Taskmaster Web Client Service to run Taskmaster Web Uploads in the background on remote scan stations:

1. Ensure the Taskmaster software on all servers and workstations is the right version.
2. Unzip the files provided by Datacap.
3. Edit the configuration file to match your environment and application, and set up the intervals at which you want the Datacap Taskmaster Web Client Service to run background uploads.
4. Copy the files to each remote scan station, and edit individual configuration files to reflect the correct scan Operator User ID, Password, and Station ID, then install the service on each.
5. Set up the service to start automatically and start the service on each remote scan station.
6. Begin or continue scanning.

Prerequisites

Taskmaster Software

The Datacap Taskmaster Web Client Service was first delivered in Taskmaster 7.5 SP1 Patch 1. In order for the service to function, **Taskmaster 7.5 SP1 Patch 1 must be installed on all Taskmaster machines** (Taskmaster Server, Taskmaster Web Server, Taskmaster Thick Client, Taskmaster Client Service, etc.).

Microsoft.NET Framework

Windows XP and Windows 2003 only: Remote scan stations with Windows XP and Windows 2003 must have Microsoft.NET Framework 2.0 or later installed before you can install the Datacap Taskmaster Web Client Service. The Framework is available from Microsoft's Download Center.

Account Permissions

When you install the Datacap Taskmaster Web Client Service on a scan station, the service uses the scan station's Local Account to access the folder holding the scanned batches (Taskmaster Web's Scan Into folder), upload the scanned batches, and delete the batches from that folder after a successful upload.

When the Scan Into folder is not located on the scan station, set up or ensure there is a domain account that has the Log on as a service right that Datacap Taskmaster Web Client Service can use. Set up the appropriate sharing, sharing permissions, and folder security, and grant the Datacap Taskmaster Web Client Service domain account Full Control on the Scan Into folder.

Unzip the DCTMWebClientSvc.zip File

The DCTMWebClientSvc.zip file contains the Datacap Taskmaster Web Client Service files: dc2run.exe and dc2run.exe.config, and these instructions. Unzip the file to a location on your network that is accessible from or has access to the remote scan stations.

Edit the Configuration File

The dc2run.exe.config file is an XML file that contains default name/value pairs that must be changed to match your environment and your requirements.

Before going further, ensure you have a backup copy of the original DCTMWebClientSvc.zip file.

Since some of the required changes are global (affect all copies of the configuration file) and other changes are unique to each scan station, we recommend that you make the global changes to a master copy of the configuration file before copying it to the individual scan stations and making the station-specific changes:

1. Before copying to each remote scan station, make the changes required to match your environment and application, and set up the intervals at which you want the Datacap Taskmaster Web Client Service to run background uploads.
2. After you have copied the file to each individual remote scan station, edit each so it reflects the correct scan Operator User ID, Password, and Station ID.

You can open the dc2Run.exe.config file using Notepad or an XML editor. Using the information that follows, make the appropriate changes.

Default Settings

The dc2run.exe.config file, as delivered, contains the following XML:

```
<?xml version="1.0" encoding="utf-8" ?>
<configuration>
  <configSections>
    <sectionGroup name="applicationSettings"
type="System.Configuration.ApplicationSettingsGroup, System, Version=2.0.0.0,
Culture=neutral, PublicKeyToken=b77a5c561934e089" >
      <section name="dc2Run.Properties.Settings"
type="System.Configuration.ClientSettingsSection, System, Version=2.0.0.0,
Culture=neutral, PublicKeyToken=b77a5c561934e089" requirePermission="false"
/>
    </sectionGroup>
  </configSections>
  <applicationSettings>
    <dc2Run.Properties.Settings>
      <setting name="dc2Run_localhost_utility" serializeAs="String">
        <value>http://localhost/tmweb.net/Task/utility.asmx</value>
      </setting>
      <setting name="Application" serializeAs="String">
        <value>1040ez</value>
      </setting>
      <setting name="User" serializeAs="String">
        <value>admin</value>
      </setting>
    </dc2Run.Properties.Settings>
  </applicationSettings>
</configuration>
```

```
<setting name="Password" serializeAs="String">
  <value>admin</value>
</setting>
<setting name="Station" serializeAs="String">
  <value>remote</value>
</setting>
<setting name="ShortcutIndex" serializeAs="String">
  <value>3</value>
</setting>
<setting name="Delay" serializeAs="String">
  <value>3000</value>
</setting>
<setting name="RetryDelay" serializeAs="String">
  <value>15000</value>
</setting>
<setting name="WorkTimes" serializeAs="String">
  <value>14:25-14:27;2:29 PM-2:29 PM</value>
</setting>
</dc2Run.Properties.Settings>
</applicationSettings>
</configuration>
```

Definitions of Settings

Use the following explanations of the settings to change the default settings to meet your needs.

dc2Run_localhost_utility

```
<setting name="dc2Run_localhost_utility" serializeAs="String">
<value>http://localhost/tmweb.net/Task/utility.asmx</value>
</setting>
```

Change the URL's value to reflect the actual IP address or UNC name of the Taskmaster Web Server and path to utility.asmx. Also change http to https if you are using SSL.

Make this change to the master copy of the configuration file.

Application

```
<setting name="Application" serializeAs="String">
<value>1040ez</value>
</setting>
```

Change the value of this setting to reflect the name of the application to be processed by the Datacap Taskmaster Web Client Service.

Make this change to the master copy of the configuration file.

User

```
<setting name="User" serializeAs="String">  
<value>admin</value>  
</setting>
```

Change the value of this setting to reflect the individual Taskmaster User for this application. Make this change to the scan station-specific copy of the configuration file.

Password

```
<setting name="Password" serializeAs="String">  
<value>admin</value>  
</setting>
```

Change the value of this setting to reflect the password for the individual Taskmaster User. Make this change to the scan station-specific copy of the configuration file.

Station

```
<setting name="Station" serializeAs="String">  
<value>remote</value>  
</setting>
```

Change the value of this setting to reflect the Taskmaster User's Station ID. Make this change to the scan station-specific copy of the configuration file.

ShortcutIndex

```
<setting name="ShortcutIndex" serializeAs="String">  
<value>3</value>  
</setting>
```

To determine the appropriate ShortcutIndex value to use, do the following:

1. On the Taskmaster Server, open Windows Explorer and navigate to the application's Admin database (this is typically in the application's \process folder).
2. Using the appropriate database Client software, open the Admin database.
3. Open the Buttons table, locate the Upload task in the btn_ButtonName column and find the number for the Upload task in the btn_ButtonNumber column.

Change the value of this setting to reflect the btn_ButtonNumber for the Upload task. Make this change to the master copy of the configuration file.

Delay

```
<setting name="Delay" serializeAs="String">  
<value>3000</value>  
</setting>
```

Change the value of this setting to reflect, in milliseconds, the amount of time the service should wait after finishing a successful upload and beginning the next upload.

Make this change to the master copy of the configuration file.

RetryDelay

```
<setting name="RetryDelay" serializeAs="String">
<value>15000</value>
</setting>
```

Change the value of this setting to reflect, in milliseconds, the amount of time the service should wait between attempts to complete an upload.

Make this change to the master copy of the configuration file.

WorkTimes

```
<setting name="WorkTimes" serializeAs="String">
<value>14:25-14:27;2:29 PM-2:29 PM</value>
</setting>
```

This WorkTimes setting defines the StartTime and StopTime pairs in which the service is to run. Each Start/Stop pair can be defined using a 24 hour clock or 12 hour clock, and you can use a mix of both types of clocks. Define as many pairs as you need. Within a pair, be sure the StartTime is earlier than the StopTime.

For example:

1. `<value>15:02-15:04</value>` - This reflects an interval defined using the 24 hour clock
2. `<value>3:05 PM-3:07 PM</value>` - This reflects an interval defined using the 12 hour clock
3. `<value>15:58-16:00;4:06 PM-4:08 PM</value>` - This reflects an interval defined using the 24 hour clock followed by an interval defined using the 12 hour clock

To run the service around the clock, use: `<value>0:00-23:59</value>`

Depending on whether you want the remote scan stations to upload at the same times or at different times, make this change to either the master copy or the scan station-specific copy of the configuration file.

Install

To install the Datacap Taskmaster Web Client Service on a remote scan station, do the following:

1. Open Windows Explorer on the scan station and create a folder on the scan station (for example: C:\Datacap\DCTMWebClientSvc).
2. Copy the Datacap Taskmaster Web Client Service files (dc2run.exe and dc2run.exe.config) into that folder .
3. Open Windows Explorer, navigate to C:\WINDOWS\Microsoft.NET\Framework, and determine the version of Microsoft's .NET Framework that exists on the station.
4. Open a DOS command prompt or use Windows Run to install the service by entering the following command line (be sure to use the appropriate version of Microsoft's .NET Framework and the actual name of the folder holding the service files):

Note: When installing the Datacap Taskmaster Web Client Service on Vista SP1 or Windows 2008 and UAC is on, right-click Run and select "Run as administrator" before entering the command.

C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727\installutil
C:\Datacap\DCTMWebClientSvc\dc2Run.exe

Start Datacap Taskmaster Web Client Service

To set up the service to start automatically when the scan station is started, and to start the service, do the following:

1. From the scan station's Windows Start menu, select Settings, select Control Panel, select Administrative Tools, and select Services. The Services window opens.
2. Scroll down, right-click Datacap Taskmaster Web Client Service, and select Properties. The Service's Property dialog opens.
3. Change Startup type to Automatic, then click Apply.
4. When the Scan Into folder:
 - Is on the scan station, click Start to start the service. After the service starts, click OK to close the Property dialog. The service is now functional. Continue with the last step.
 - Is not on the scan station, continue with the following steps.
5. Click the Log On tab to display it.
6. Select This account. The Browse button is enabled.
7. Locate or enter the domain name, user name and password of the account that the Datacap Taskmaster Web Client Service is to use, and click Apply. A message is displayed confirming the account has been granted the Log On as a Service right.
8. Click OK to close the message box, then click Start to start the service. After the service starts, click OK to close the Property dialog. The service is now functional.
9. Close the Services window.

View Event Log/Application Level

If you don't get the results you think you should be getting, open the Application level log in the scan station's Event Viewer. Problems and successfully completed tasks will be logged. Check the logs before contacting Datacap Support.

To open the log, do the following:

1. From the scan station's Windows Start menu, select Settings, select Control Panel, select Administrative Tools, and select Event Viewer. The Event Viewer window opens.
2. Click Application to view a list of log entries. Log entries created by the Datacap Taskmaster Web Client Service show a Source name of Datacap Taskmaster Web Client Service.
3. Double-click a log entry to view its contents.