



# **Energisation Status File Transfer System User Documentation**

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# 1. Energisation Status File Transfer System

## 1.1 Background

The Energisation Status File Transfer system has been built to assist the daily transfer of energisation status notification files from retailers to the various network companies.

## 1.2 System Requirements

Participating organisations will require connectivity to the Energisation Status File Transfer system via one of two methods:

1. Microsoft Internet Explorer browser version 5.0 or higher with Service Pack 2 or a Netscape Navigator browser version 4.7 or higher (for manual file downloads).
2. Java-based scripted-client (for automated downloads).

## 1.3 Accessing the Energisation Status File Transfer System


To access the new Energisation Status File Transfer System, users need to go to EMS's website, [www.ems.co.nz](http://www.ems.co.nz).

Click on the "Data Centre" section heading and then the "File Transfer" subheading. On this page click on the link to the "Energisation Status File Transfer System".

## 1.4 Authentication

Users will authenticate themselves with their new Energisation Status File Transfer user ID and password. This will be provided by EMS and any problems with login should be reported to [call@ems.co.nz](mailto:call@ems.co.nz).

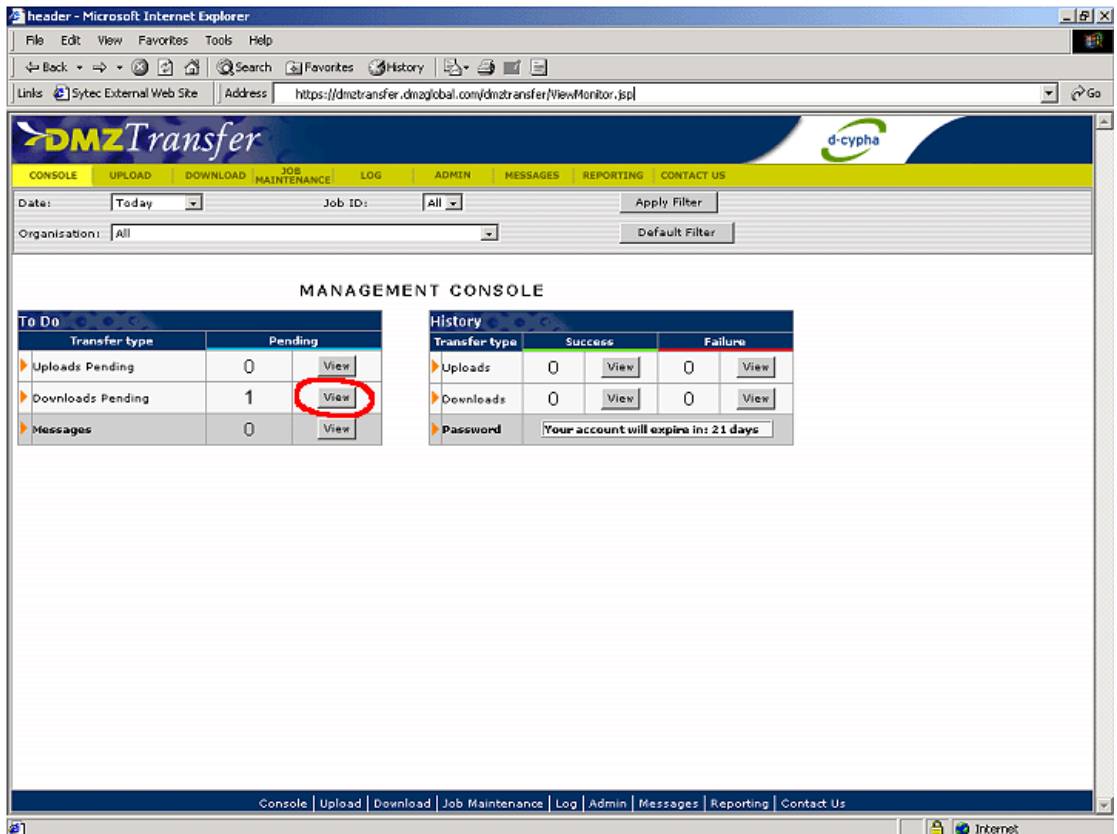


 If users intend to use a scriptable client interface, a separate user ID will need to be arranged to avoid issues such as password lockouts.

## 1.5 Management Console

Following authentication the Energisation Status File Transfer system will display the **Management Console**. Users can download Energisation Status files from this screen.









*The DMZTransfer Management Console:*




To download a file, ie receive it from the Retailer, the user selects the “View” button on the “Downloads Pending” option from the “To Do” section of the screen (highlighted above). Please note that the “To Do” and “History” sections are filtered based on the option selected in the “Date” section.

### 1.5.1 Changing a Password

Follow these steps to change a password:


Step	Action
1.	<p>Select <b>ADMIN</b> at the top of the Console.</p> <p> The following screen will be displayed:</p> 
2.	<p>Click the <b>User Maintenance</b> <b>View</b> button.</p> <p> The following screen will be displayed:</p> 
3.	Find the required user name in the list.
4.	<p>Click <b>Change</b> under password.</p> <p> The following screen will be displayed:</p> 
5.	Enter the new password.
6.	<p>Confirm the password and click <b>Save</b>.</p> <p> The user will be returned to the <b>Admin</b> screen.</p>
7.	<p>Click <b>CONSOLE</b> to return to the <b>Management Console</b>.</p> <p> The password has been changed.</p>

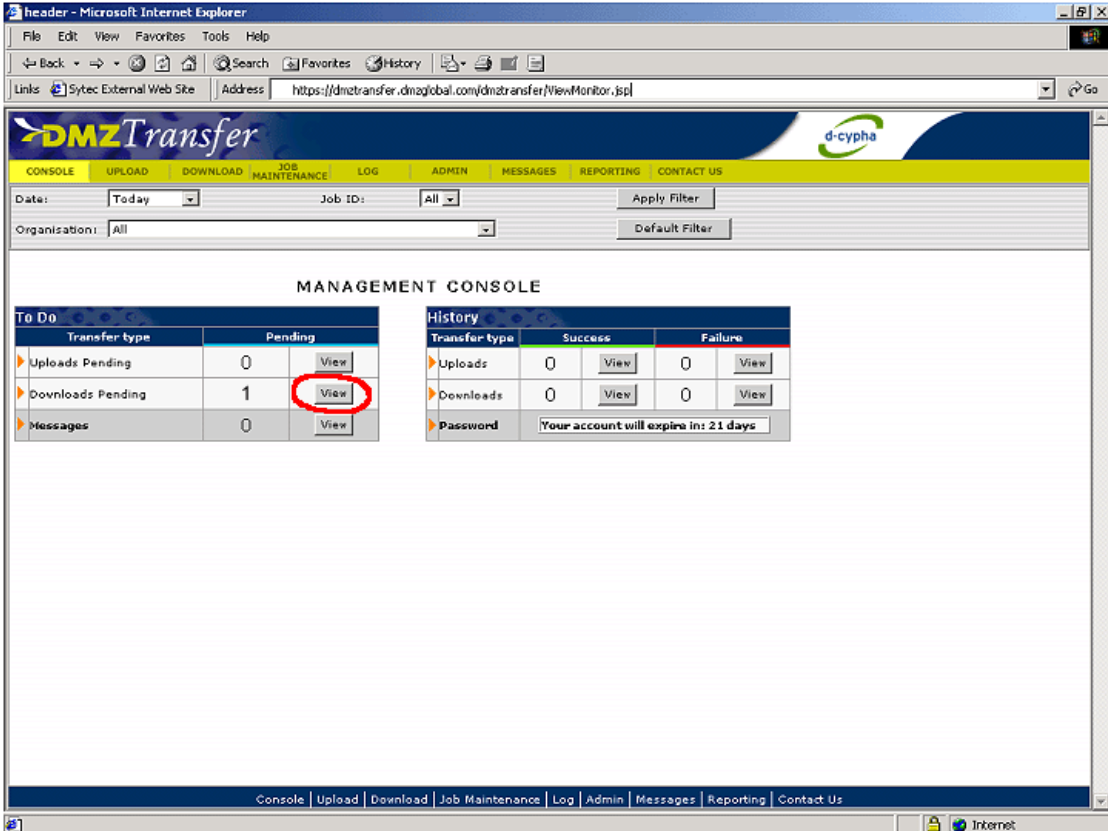
 By default passwords are set to expire every 60 days. The “Password” section of the **Management Console** will indicate the number of days remaining.

## 2. Downloading Files

Downloading files follows the same basic steps as uploading files. The “To Do” panel of the **Management Console** will indicate when a file is ready to be downloaded, ie ready to be received from RM.

To download the file the user selects the “**View**” button on the “Downloads Pending” option from the “To Do” section of the screen (highlighted below).

 If you start to download files within a job using the browser interface then all the files should be downloaded using the browser. Otherwise, the scriptable client will not complete the download.

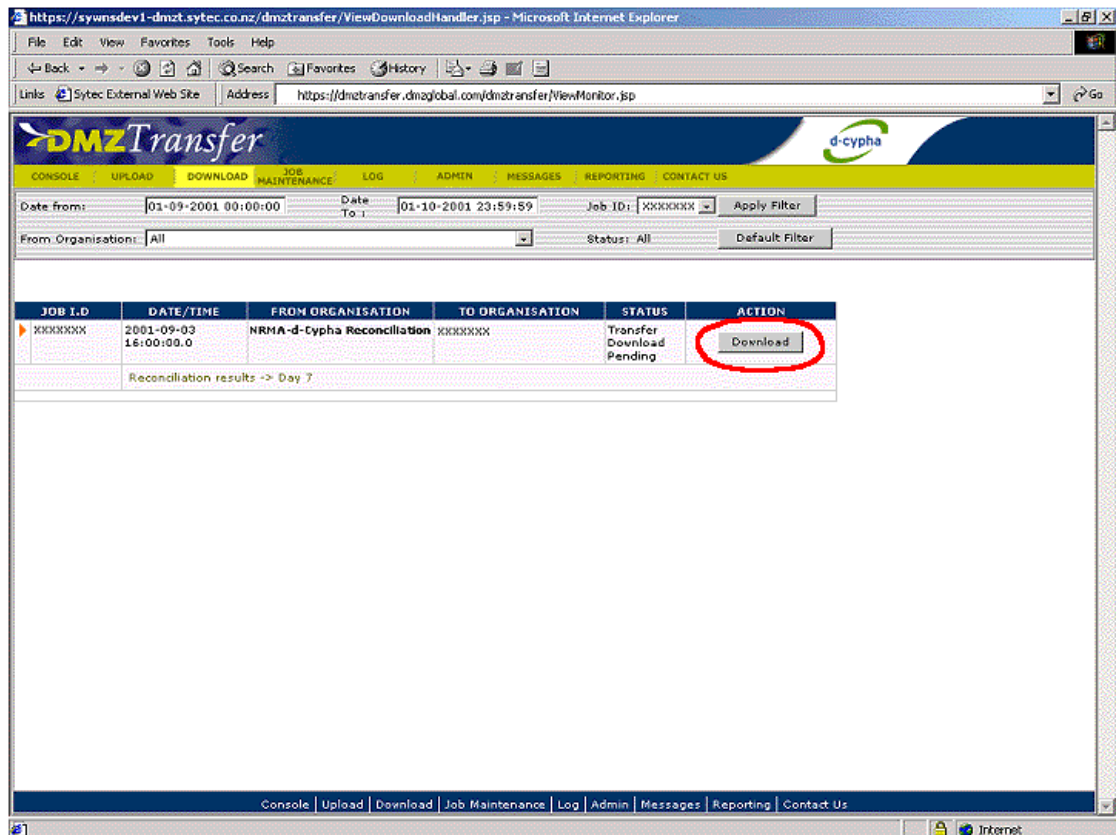


Transfer type	Pending	View
Uploads Pending	0	View
Downloads Pending	1	View
Messages	0	View

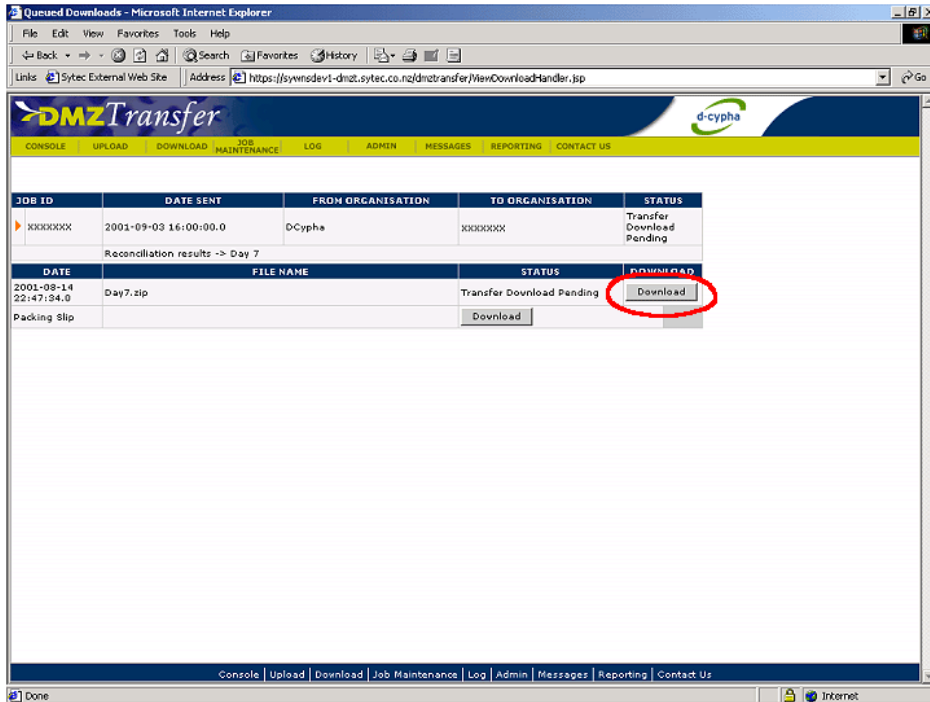
Transfer type	Success	Failure	View
Uploads	0	0	View
Downloads	0	0	View
Password	Your account will expire in: 21 days		

### 2.1.1 Selecting Files for Downloading

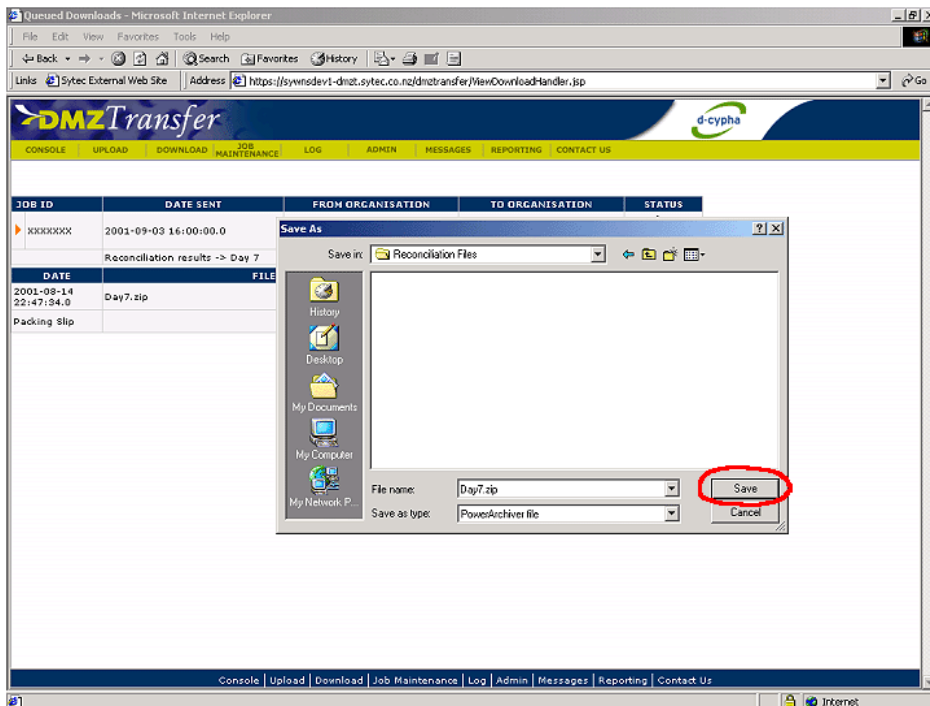
Details of the pending download job will be displayed. The user selects the “Download” option and the system will then display the file ready to be downloaded.



The user can select the actual file to be downloaded, and select the directory where the file will be stored.



**The "Save As" dialog box**

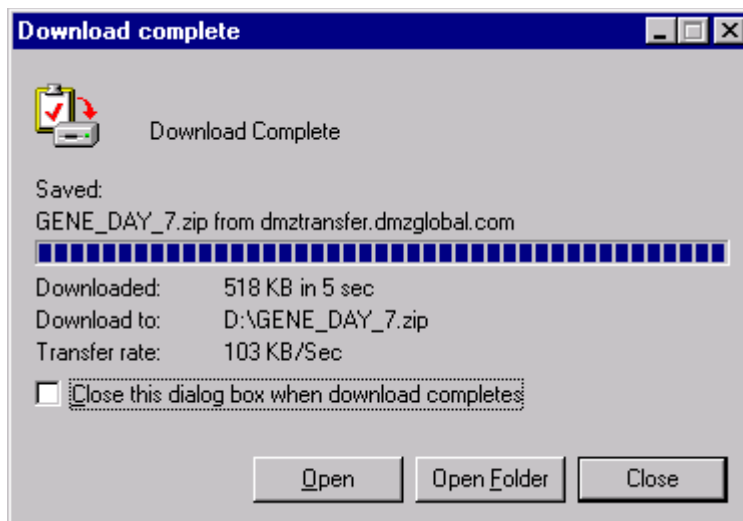


The following table shows the fields and descriptions from the **Download Pending** screen:

Field	Description
<b>Date Sent</b>	The day and time the file was uploaded by the sender (from organisation).
<b>Status:</b>	The status will be one of the following: <ul style="list-style-type: none"><li>• <b>Transfer downloaded</b> - all files within this transfer have been downloaded.</li><li>• <b>Transfer download pending</b> - The files are waiting to be downloaded.</li><li>• <b>Transfer download in progress</b> - The transfer has begun but the file has not been downloaded yet.</li><li>• <b>Transfer download error</b> - The download has started but a transmission error occurred.</li></ul>
<b>File name:</b>	Lists the file which belongs to this particular <b>JOB ID</b> . <ol style="list-style-type: none"><li>1. Click <b>Download</b> against the file to download.</li><li>2. Click <b>Download</b> against Packing Slip to download a file giving full details of the particular <b>JOB ID</b>.</li></ol>

### 2.1.2 Transfer Confirmation

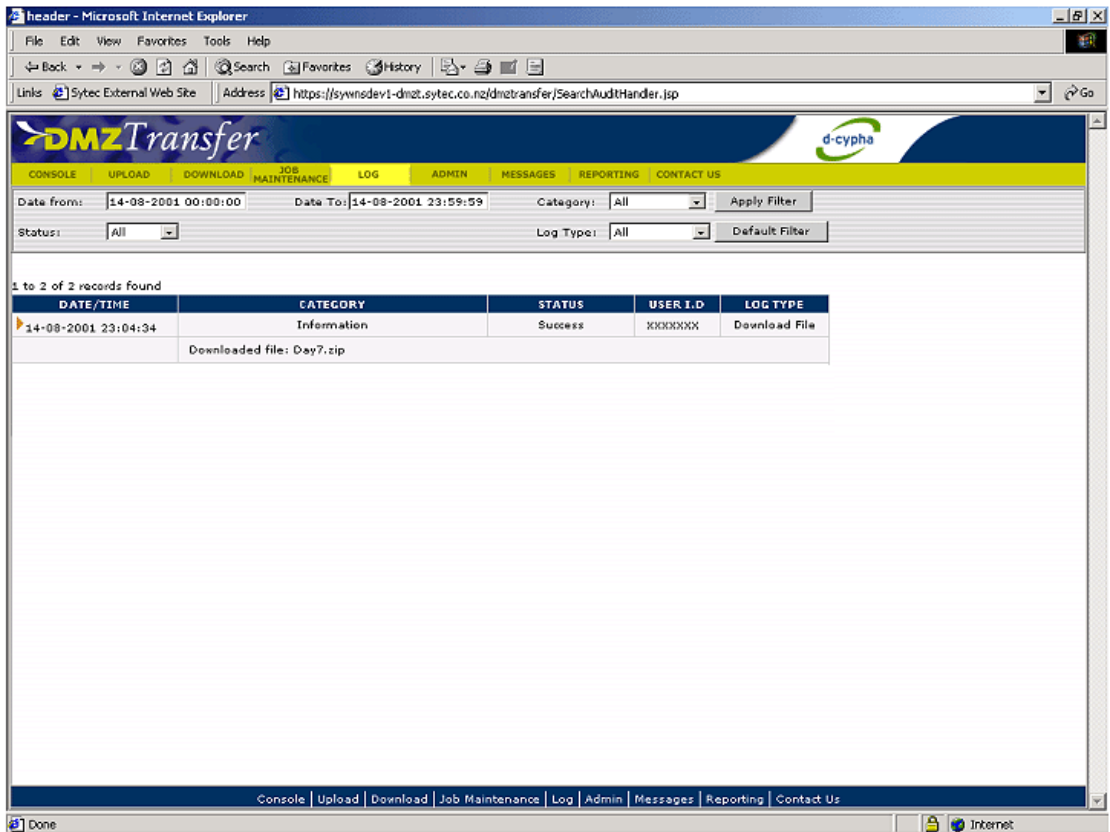
The system will display a **Download Complete** window once the transfer is complete.



### 3. Activity Log

The “Log” option, selected from the **Management Console**, displays user upload and download activity.

#### The Log screen



## 4. Script-client Setup

Follow these steps to set up the script client:

Step	Action
1.	Create a backup copy of the existing DMZScript.conf file.
2.	<p>To configure the DMZScriptable client type the following command:</p> <pre data-bbox="579 600 916 629">startDMZ.bat -cconfig</pre> <p>This will prompt for the set-up parameters it needs in order to run.</p> <ul style="list-style-type: none"> <li>• <b>DMZTransfer Host</b> - the address of the DMZTransfer server, press enter to keep the default value.</li> <li>• <b>DMZTransfer Port</b> - the port the DMZtransfer server is listening on, press enter to keep the default value.</li> <li>• <b>Keystore file</b> - the file containing the security certificate to access DMZTransfer, press enter to keep the default value.                             <ul style="list-style-type: none"> <li>• The default value will be appropriate for connecting to the DMZTransfer Production system.</li> </ul> </li> </ul> <p>This file is deployed as part of the scriptable client.</p>
3.	Type "y" to the question "Are you using a proxy server?" to configure the proxy service.

### 4.1.1 Proxy Server Parameters

The proxy server parameters are:

- proxy server - the address of the proxy server.
- proxy port - the port the proxy server uses, normally port 80.
- proxy realm - the security realm name, you may need to ask your system administrator for this.
- proxy user - the user name to access the proxy.
- proxy password - the user password to access the proxy.

#### 4.1.2 DMZTransfer User Credentials

DMZTransfer user credentials are:

- DMZTransfer security realm - the security realm name for DMZTransfer. Press enter to apply the default value.
- DMZTransfer user name - enter the user name assigned to you to access DMZTransfer.
- DMZTransfer user password - enter the user password assigned to you to access DMZTransfer.

When script-client is run for downloading, it generates 3 files in the log directory. The log directory defaults to the installation directory but can be overwritten with the -L option.

- The first file is a log file (DMZScriptable.log). It lists both errors and successful files downloaded in the order they occurred.
- The second file is the PackingSlip for this Job. It describes all the relevant details about the Job in XML format. You can safely disregard this file after the command has completed.
- The third file type is generated when an error occurs during the command. It lists any errors that have occurred. All errors for the executed command will be grouped into this file. The next time the script-client is run and if errors occur, a new error file will be created to group the errors.

##### 4.1.2.1 Authentication





Each time the application runs, it will try to locate the file named "DMZxfter.pwd" in the same directory as the installation directory. This file contains the encrypted username and password used to access DMZTransfer supplied at set-up time. If this file is moved or deleted, the user credentials must be set up again to allow access to DMZTransfer.

## 4.2 Downloading Commands

To download files from DMZtransfer, type the following command:

```
startDMZ.bat -cdownload -j"JOB NAME" -t"TRANSFER DATE" -o"ORGANISATION" [-d"DIRECTORY"] [-pending] [-keep path]
```

The following table shows the fields and descriptions from the Download screen:

Field	Description
<b>JOB NAME</b>	<p>The name of the Job to download. This corresponds to the “Job Name” of the job created in the Job Maintenance window.</p> <p> The “Job Name” is case sensitive.</p>
<b>TRANSFER DATE</b>	<p>the target transfer date for this download. It is in the format DD/MM/YYYY [HH:MI:SS]. Use 24 hour clock</p> <p>If no date is specified, then the next transfer schedule from the current date and time is used. If a transfer date is specified, then the next transfer due from this date is chosen. If the time part is not specified in the transfer date, then it defaults to 00:00:00.</p> <p> If the job is set up as an Ad-hoc job type, then all the downloads available for this particular transfer date from 00:00:00 to 23:59:59 will be selected for downloading.</p>
<b>ORGANISATION</b>	<p>The organisation that uploaded the file.</p> <p> The organisation name must match exactly the name entered when the organisation was created.</p>
<b>DIRECTORY</b>	<p>The destination directory for the files. If this is not specified, the destination directory parameter specified when the job was created will be used.</p> <p> If the path is quoted, don’t enter the trailing “\” for the path or enter it as an escaped sequence \\. For example -d”C:\Temp\”</p>
<b>pending</b>	<p>Only download a transfer that has a status of download pending set for this transfer. Transfers that have already been downloaded previously will be ignored.</p>

Field	Description
keep path	Set to 1 to keep the path that was used when the file was uploaded. Set to 0 (default) to strip off the path and store the files downloaded in the destination directory.

#### 4.2.1 Examples

To download pending transfers for job “MyJob” from DMZGlobal Ltd. These files will be stored in C:\Temp.

```
startDMZ -cdownload -j"MyJob" -t"10/10/2001" -o"DMZGlobal Ltd"  
-d "C:\Temp" -pending
```



For more information on field options see, Additional Options below.

#### 4.2.2 Download in action

The first thing the script-client does is validate that the specified job exists for this particular organisation. If the job is located, the packing slip is downloaded and saved in the log directory. The packing slip contains the names of all the files to download and the rules to apply while downloading.

For each file, it checks if the file already exists in the download directory. If the file already exists and overwrite is set to false, then this file is not downloaded and an error is written to the logs. If overwrite is permitted, then the last modified date of the file is checked to make sure it has exceeded the overwriteAfter period. If the modification date of the file is later than overwriteAfter period, the file is downloaded and over writes the existing file. Otherwise, the file will not be downloaded and an error will be recorded in the logs.

The overwrite and overwriteAfter values are specified in the Job maintenance window for this particular job. Note the overwriteAfter period is in milliseconds.

#### 4.2.3 Additional Options

Additional options apply to both -cuploads and -cdownloads.

Field	Description
-rRetries	Specifies the number of times a retry is attempted if an error

Field	Description
	occurred. This can be a value between 1-3.
<b>-iRetriesInterval</b>	Specifies the interval in minutes between the retries.
<b>-L"LOG Directory"</b>	Specifies the directory to place the log files and packing slip.

### 4.3 Common Errors

The following table shows some common errors:

Error	Description
<b>Return Codes</b>	<p>When the script-client runs successfully, it returns a 0 code from the command file. If an error occurred during the upload/download process, a -1 is returned.</p> <p>If for a download command the -pending flag is specified but there are no downloads pending for this particular job, a 1 return code can be returned. This means that the script-client ran successfully, but there was nothing to download.</p>
<b>- Unknown Job ID: This occurs when the job specified does not exist</b>	Go to <a href="https://dmztransfer.dmzglobal.com/dmztransfer/ViewScheduleHandler.jsp">https://dmztransfer.dmzglobal.com/dmztransfer/ViewScheduleHandler.jsp</a> to check the JOB ID is listed on the Job Maintenance.
<b>- Transfer not found</b>	This occurs when the transfer is not available to download. Check if the upload has succeeded for this transfer date, or if the -pending option was selected, as the transfer may be marked complete.
<b>- File not found</b>	This occurs during the upload process when the specified file can not be located in the local source directory. This occurs during the download process when the specified file can not be located on the DMZTransfer server.
<b>- File count exceeded for this Job transfer instance</b>	This occurs when the maximum number of files for the transfer has been reached and the transfer is complete at this stage.
<b>- File already exist</b>	This occurs during the download process when trying to download a file which already exists in the destination directory and the Overwrite

Error	Description
	flag has not been set to true in the DMZTransfer Job definition page.
<b>- File already exist and overwrite time has not been exceeded</b>	This occurs during the download process when trying to download a file, which already exists in the destination directory, and the Overwrite after time has not been exceeded. This time is specified in DMZTransfer Job definition page.
<b>- Problem with certificate</b>	The keystore file was not specified correctly or the Certificate has expired.
<b>- Authorisation required, failed authorisation for proxy or site</b>	The authorisation details for DMZTransfer or the proxy have not been configured correctly.

## 4.4 Environment

The script-client is shipped as a zip file and it extracts to the DMZScript directory. Within this directory, there is the jre directory, which contains the Java Runtime Environment required to run the script-client. Also installed in this directory are the necessary jar and class files for the script-client application.

Some files of note are:

`startDMZ.bat` - the command file to launch the script-client.

`DMZScript.conf` - the configuration file. The default file contains the address of the DMZTransfer host and the name of the keystore file. The proxy details are added to this file if the client is using a proxy.

`ReadmeWins.txt` - the readme file to describe the commands for the script-client.

`Keystore_dmztransfer_`- the keystore file containing the certificate information required to communicate to DMZTransfer.