

UPLOAD DASHBOARD

V13

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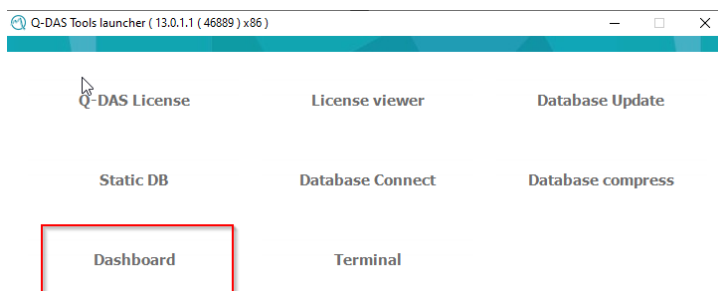
1 INTENTION

This document is to assist users of Upload Dashboard application in the version 13 of Q-DAS software. The steps described in this document are also applicable to the older versions of Q-DAS software.

2 UPLOAD DASHBOARD IN GENERAL

The Upload Dashboard is part of M-QIS-S and can be found in the Tools launcher.

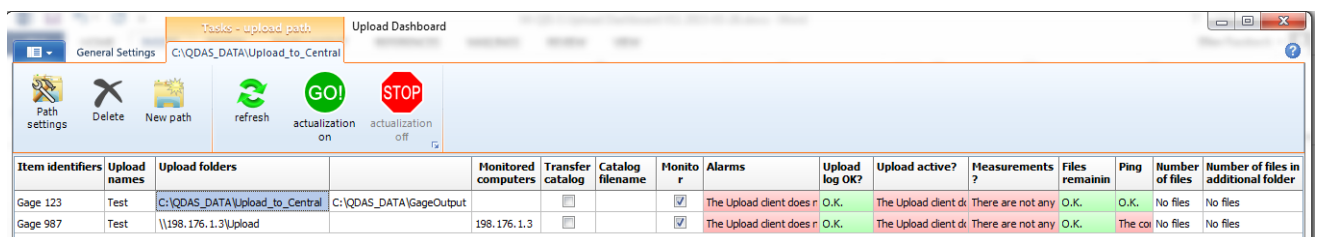
It will be available in the Tools launcher on server- and local-installations



It can be used to

- monitor the Upload status (upload running or not)
- monitor whether there are upload error messages)
- monitor whether a network connection (ping) can be established to gauge computers
- monitor whether files are waiting to be uploaded
- monitor whether files are waiting to in a separate folder (e.g. for CMM Reporting)
- initiate catalogue file transfer from server PC to gage PCs
- edit catalogues

The Upload Dashboard runs as an application. If the Database Upload status should be monitored, the Upload Dashboard needs to run on the same computer as the Database Upload itself.



The user interface of the Upload Dashboard shows several columns. Individual (gauge) Computers can be added as a line items.

The fields in columns on the left of the Dashboard with a white background colour show a summary of settings per line item.

The fields on the right side show the (alarm) status for the respective column with a red / green background colour coding. The status and colour coding is updated periodically.

3 FILE MENU TAB

Under the File menu: the program language can be changed and the software can be closed



4 GENERAL SETTINGS MENU TAB

Available functions:

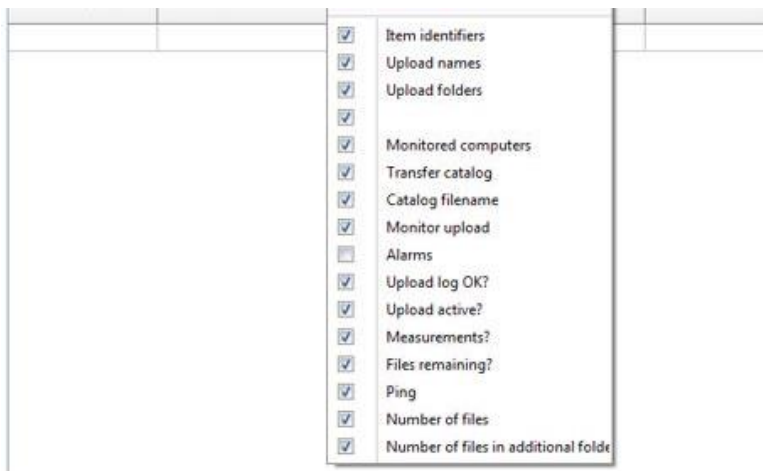
- Save button
- Show or Hide Columns button
- Edit catalogues button
- Standard settings button
- Log File settings button

4.1 Save button

Button to save current settings inside the Upload Dashboard

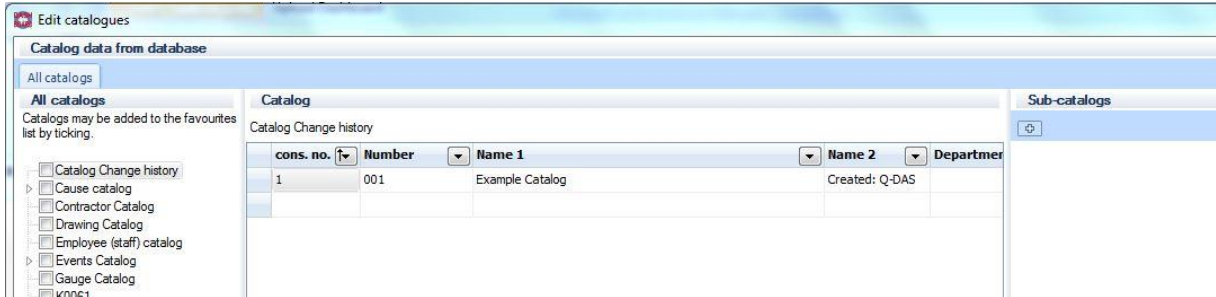
4.2 Show or Hide Columns button

Configure which columns should be visible in the Upload Dashboard user interface with the drop-down menu under “Show or hide columns”:



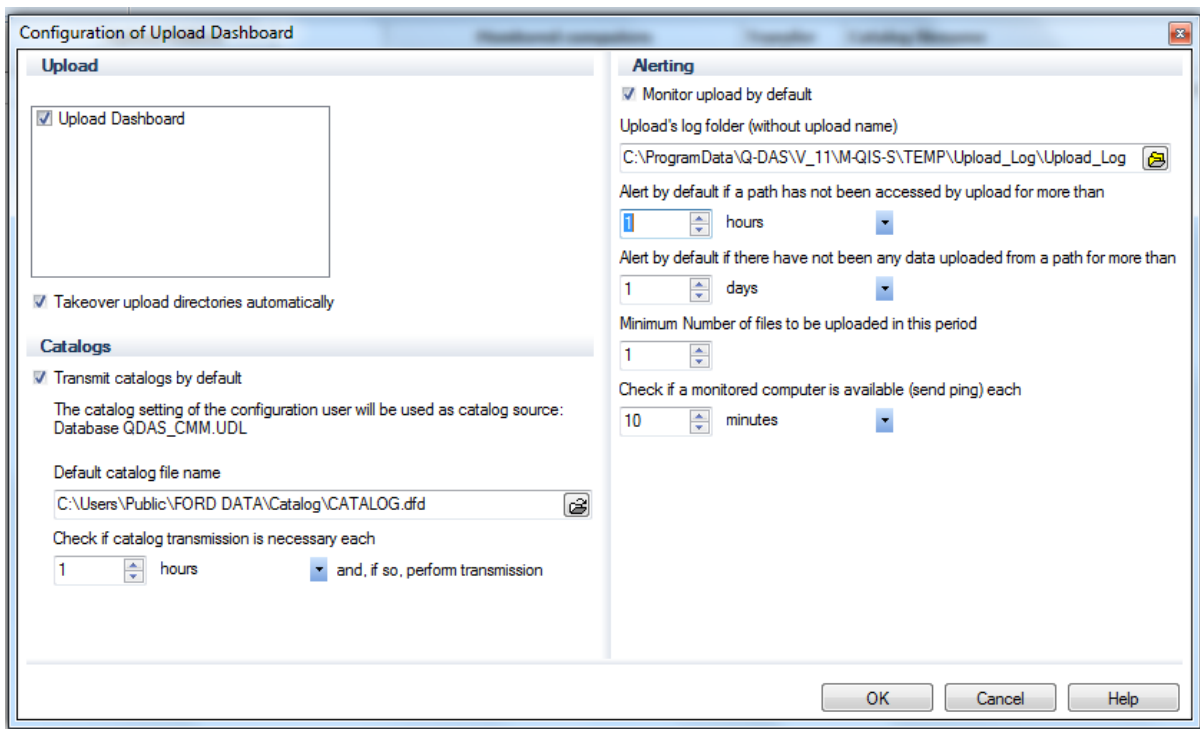
4.3 Edit catalogues button

Allows editing the catalogue. The catalogue used/edited is the catalogue which SuperUser is connected to in the M-QIS-S Process Capability Module. The function here opens the same “Edit catalogue” window as available in M-QIS or qs-STAT with the “FILE-Configuration- Edit catalogue” function.



4.4 Standard settings button

Allows users to access more options in “Configuration of Upload Dashboard” Window, for example to import data source path settings from an existing Upload Configuration.



Please Note: the “Check if monitored computer is available” setting is the same setting for the refresh rate for the alarm status columns.

Other settings configured here, for example for the transfer catalogue option or monitor upload option will be used as defaults for new line items (computers, folder) that will be added to the Upload Dashboard later.

4.5 Log File settings button

Allows users to create log files of the status shown in the columns of entire "Upload Dashboard" as an external summary file. The same columns that are available in the Upload Dashboard can be spooled off into the Upload Dashboard log file, unless unchecked here. The content of the status columns from the live Status view in the Dashboard can be summarized as needed for the log file with the respective configuration settings here.

The "Apply log file" option has to be checked, in order for a log file to be generated.

The path for the log file can be configured with the "Browse" button.

Please note that the **file name** for the log file as well as the **extension of the log file (e.g. *.csv)** has to be entered in the "log file" field behind the path !

The screenshot shows the "Log File Settings" dialog box with two panes. The left pane is titled "n.O.K Logging in case of occurrence of alarms" and the right pane is titled "O.K Logging in case of absence of alarms". Both panes have a "Log file" field with a "Browse" button. Below the field are two sections: "Create a log file entry each" and "Create a new log file each". The "Create a log file entry each" section has a spinner set to "1" days and a "Starting time" field set to "2/26/2015 00:00". The "Create a new log file each" section has a spinner set to "1" days. Below these sections are "Fields written to each log file entry" with a list of checkboxes: "Item identifier", "Upload name", "Upload folder", "Additional folder", "Monitored Computer", "Transfer catalog", "Catalog filename", "Monitor upload", "Alarm status", "Number of files", and "Number of files in additional folder". All checkboxes are checked. At the bottom of the dialog are "OK", "Cancel", and "Help" buttons.

5 “TASKS – UPLOAD PATH” MENU TAB

The “Tasks” tab allows to make settings per upload path line item, add or remove line items and to stop / start / refresh the overall status update display.

If a line item is highlighted, the tab name adjusts to the upload path of the selected line item.



Available functions:

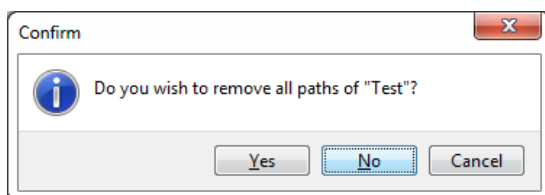
- Delete: manually delete all or individual line items in the Dashboard view
- New Path: adding a new line item to the be monitored in the Dashboard
- Refresh: Manually update the status display in the Dashboard window
- Actualization On: Activate the timer based updating of the status display
- Actualization Off: Deactivate the timer based updating of status display
- Path Settings: Allows user to add additional details to upload path

5.1 Delete button

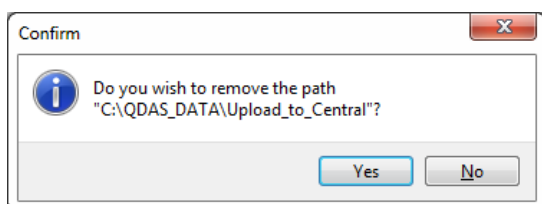
Manually delete all or individual line items in the Upload Dashboard view

After clicking on the **delete** button, you will be prompted whether you wish to remove **ALL paths by default**.

If you want to delete only the highlighted path, please make sure to click on “No” in this first prompt:



A second prompt will then come up whether the highlighted path / line item should be deleted:



5.2 New Path button

Click on “New Path” to **manually** add another PC as a line item to the Upload Dashboard to be monitored. Manually adding a line item is required for example if the PC was not part of the Upload configuration and is not listed in the Upload Dashboard window as a line item yet.

Please note: Upload source paths that are already configured in the Database Upload configuration, can be imported automatically as line items if the respective “Takeover upload directories automatically” option is checked under the “General Settings”.

5.3 Refresh button

Manually update the status display in the Upload Dashboard window (all paths / line items)

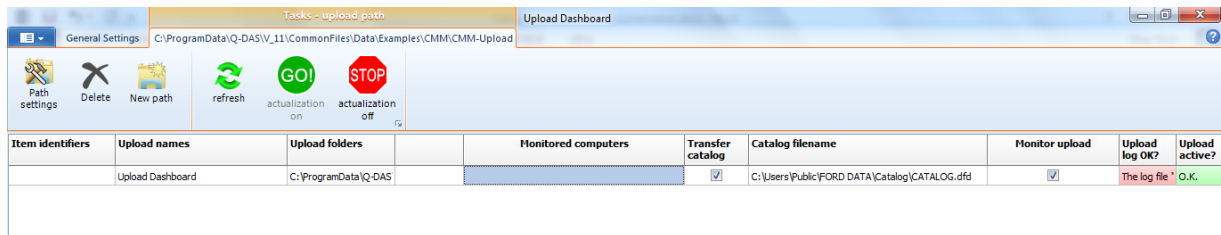
5.4 Actualization On button

Activate the timer based updating of the status display (all paths / line items)

5.5 Actualization Off button

Deactivate the timer based updating of the status display, for example during configuration (all paths / line items)

5.6 Path Settings button



If the setting for a line item are edited directly in the Dashboard main screen, the settings will be used temporarily only, for this session.

To change settings for an existing line item, and save the new settings as default, please highlight the item in the Dashboard, then click on “Path settings” in the tab menu.

The “Upload path settings” window opens with settings for the highlighted item. Fill out additional information as needed, the information entered here will be displayed in the main screen after clicking OK:

Upload path settings

Upload

Item identifier:

Upload configuration:

Directory:

incl. sub-directories

Additional folder:

Monitored Computer

Computer name or IP address:

Catalogs

Transfer catalog

Catalog file:

Alerting

Monitor upload

Logfile folder of this upload configuration:

Alert if this path has not been accessed by upload for more than: hours

Alert if there have not been any data uploaded from this path for more than: days

Minimum Number of files to be uploaded in this period:

OK Cancel Help

Item identifier: Name of the line item, e.g. name of the Gauge PC such as “Block Mod B CMM 3”

Upload configuration Directory: (UNC) path to the “Central Upload directory” from where data will be uploaded to the central database. Path would be part of the data source setting in the central upload configuration.

Additional folder: additional path on the same gauge PC that should be monitored for files waiting. For example, if CMM Reporting is used on the gage PC, the data source folder for CMM Reporting where the gage software outputs the Q-DAS ASCII Transfer format files to, and from where they are loaded into CMM Reporting, can be monitored in addition to the “central Upload directory”.

5.6.1 Path settings button and columns in the Dashboard

The screenshot displays the 'Upload Dashboard' interface. At the top, there is a toolbar with buttons for 'Path settings', 'Delete', 'New path', 'refresh', 'actualization on', and 'actualization off'. Below the toolbar is a table with the following columns: 'Item identifiers', 'Upload names', 'Upload folders', 'Monitored computers', 'Transfer catalog', 'Catalog filename', 'Monitor upload', 'Alarms', 'Upload log OK?', and 'Upload acti'. A single row is visible in the table with the following values: 'Test', 'C:\Users\shah.shah\Desktop\V_10', a checked checkbox, a checked checkbox, 'The Upload', and 'O.K.'. A dialog box titled 'Upload path settings' is overlaid on the table. Red arrows point from the dialog fields to the corresponding table cells: 'Item identifiers' (Test), 'Upload folders' (C:\Users\shah.shah\Desktop\V_10), 'Monitored computers' (checked), 'Transfer catalog' (checked), 'Catalog filename' (The Upload), and 'Upload log OK?' (O.K.).

Item identifiers	Upload names	Upload folders	Monitored computers	Transfer catalog	Catalog filename	Monitor upload	Alarms	Upload log OK?	Upload acti
Test		C:\Users\shah.shah\Desktop\V_10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		The Upload	O.K.

Upload path settings

Upload

Item identifier:

Upload configuration: Test

Directory: C:\Users\shah.shah\Desktop\V_10

incl. sub-directories

Additional folder:

Monitored Computer

Computer name or IP address:

Catalogs

Transfer catalog

Catalog file:

Alerting

Monitor upload

Logfile folder of this upload configuration: ProgramData\Q-DAS\11\M-GIS-SYSTEM\Upload_Log\Upload_Log\Test

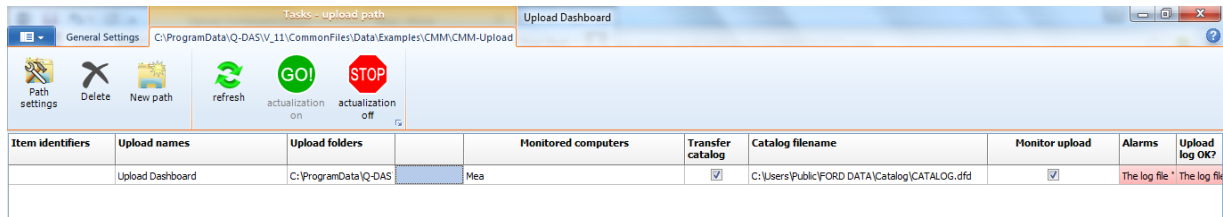
Alert if this path has not been accessed by upload for more than: 1 hours

Alert if there have not been any data uploaded from this path for more than: 1 days

Minimum Number of files to be uploaded in this period: 1

OK Cancel Help

5.6.2 Path settings columns



The following columns in the Tasks tab contain settings as defined with the “Path settings” button:

Item identifiers: User defined name for the line item in Upload Dashboard, e.g. the name of the workstation or gauge PC to be monitored

Upload names: Names of Upload Configuration, filled out automatically when upload configurations paths are imported

Upload folders: Folder location of Data being uploaded from (Data source directories of the Upload configuration). May be imported from an existing Upload configuration.

Monitored computers: Computer name or IP address of the PC which will be used for the “ping” status column.

Transfer catalogue: Check this box if you would like to transfer catalogue file from the server to the target path entered under “Catalogue filename”, e.g. UNC path on the Gauge PC routinely on a timer basis. The timer for the catalogue transfer is determined on the “Standard settings” dialogue.

Please note that the catalogue will be transferred as a catalogue *.DFD file with the specified name to the target path / target file name, and the existing catalogue file will be overwritten! The Catalogue source (“master catalogue”) is the catalogue to which SuperUser is connected to in the M-QIS-S Process Capability Module.

Catalogue filename: the target path and catalogue file name for a copy to of the “master” catalogue to be transferred to on a routinely basis, e.g. UNC path of the catalogue file on the Gauge PC.

Monitor upload: Check this box to monitor the Database Upload status.

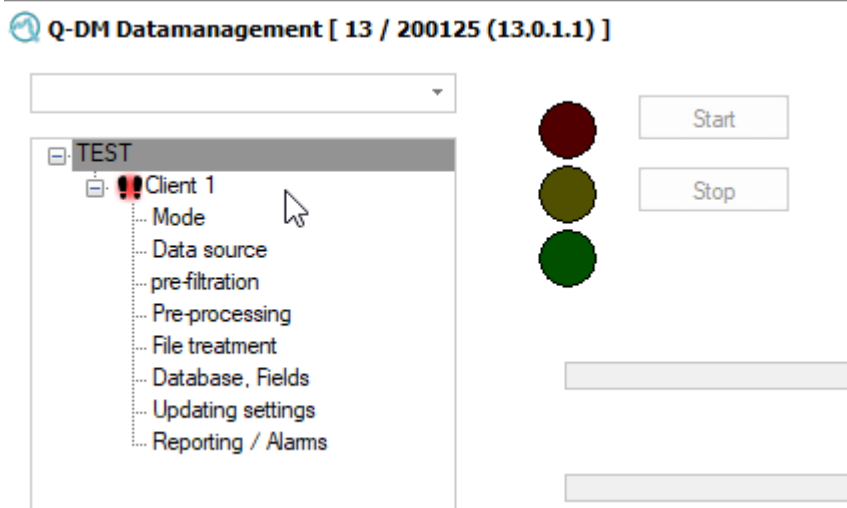
Other columns further on the right such as “Alarms”, “Upload OK”, etc., display a status of the respective item, and update accordingly.

Please see Chapter “Working with the Upload Dashboard” below for more details.

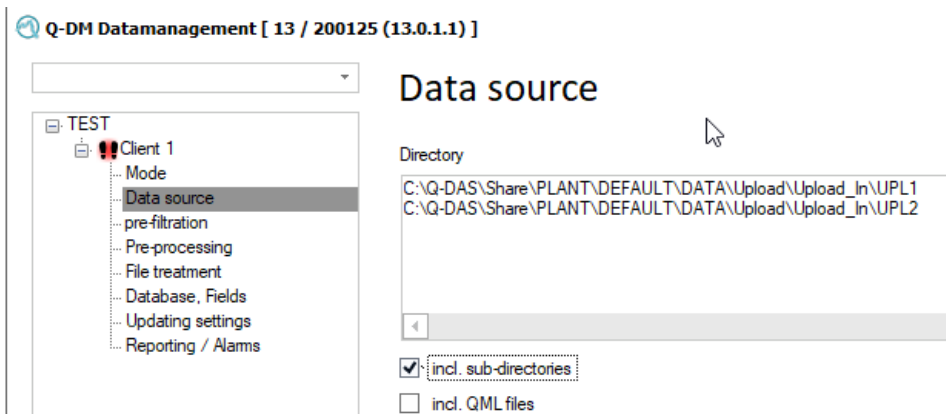
6 INITIAL CONFIGURATION OF THE UPLOAD DASHBOARD`D

6.1 Transfer existing Upload data source folders into the Upload Dashboard

1. Start the Q-DM Datamanagement (Upload)
2. Right click on the left sidebar and select New Upload to create a new Upload configuration, for example called "TEST"

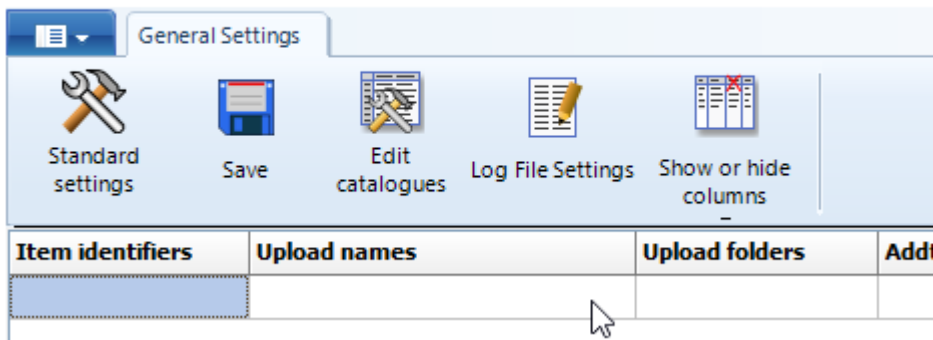


3. In the Data source tab enter the location for "Directory" and check the box for Incl. sub-directories as needed



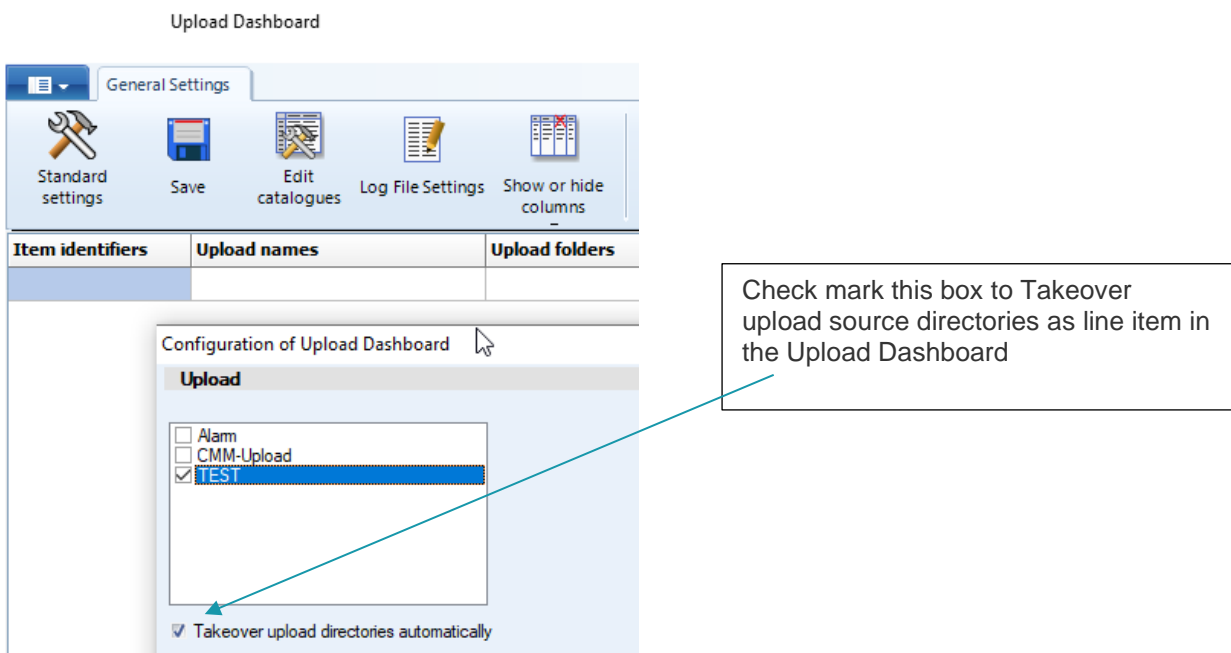
4. Complete the Upload configuration as required, then Save the Upload configuration, and close the Upload program.
5. Launch the Upload Dashboard

Upload Dashboard



6. Click on “Standard Settings”. In the following window (Configuration of Upload Dashboard), you will see the previously created Database Upload configurations shown below in the screenshot.

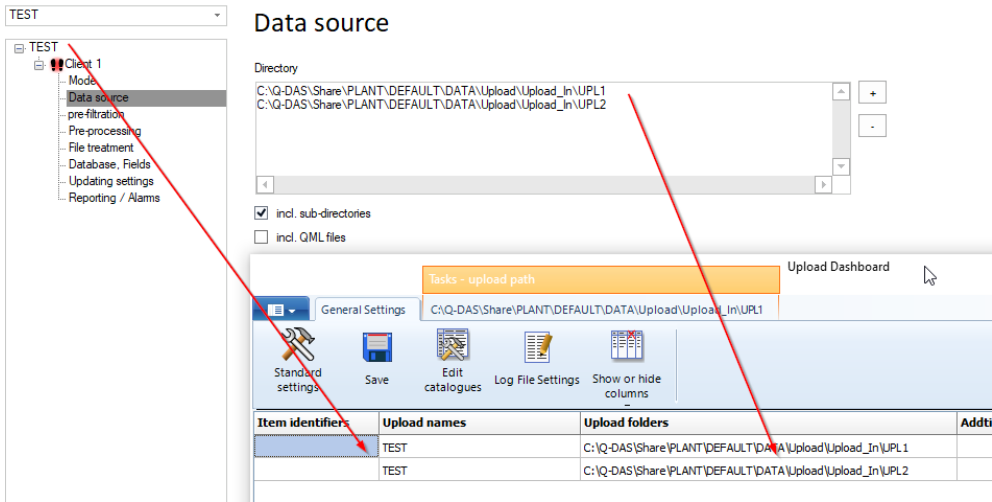
To import the data source paths from the Upload configuration into the Upload Dashboard, check the box in front the respective Upload configuration name, and also check the “Takeover upload directories automatically” box.



Note: if the “Takeover upload directories automatically” box remains checked, the Upload Dashboard will automatically import data source directories that may be added to the respective upload configuration in the future.

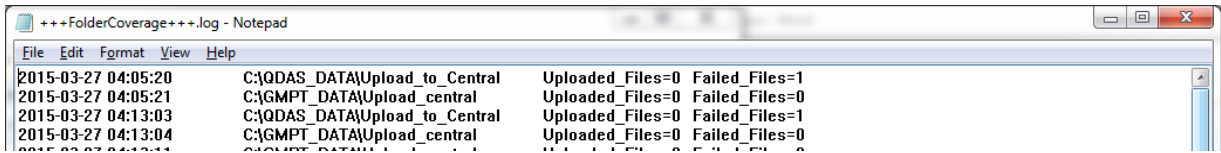
The Upload Dashboard is however designed to keep the recorded directories even if the user deletes the directory from the Upload configuration. Removing paths or line items from the Upload Dashboard window needs to be done with the “Delete” button within the Upload Dashboard window itself.

7. For example:

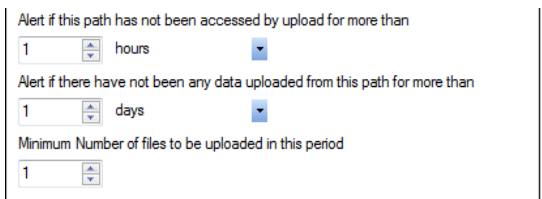


6.2 Setup of the +++FolderCoverage+++ log file

The Upload Dashboard writes its own log file (in addition to the log files written by the Database Upload). The Upload Dashboard log file is called “+++FolderCoverage+++ log” and contains information about the number of files that were successfully uploaded or where the upload failed per Upload transaction.



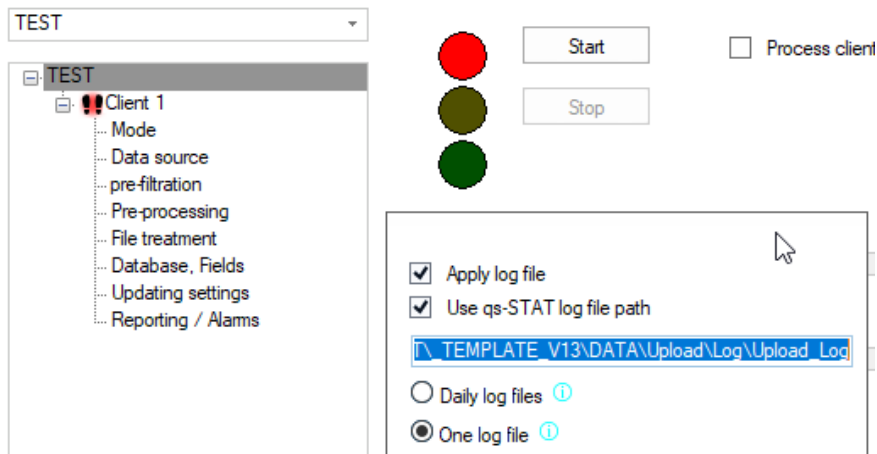
This information is later used in the Upload Dashboard status display, e.g. whether the expected number of files was received and uploaded, compared to the respective path settings:



The “+++FolderCoverage+++ log” file has to be created manually as an empty file during the initial setup of the Upload Dashboard. The file should be located in the same folder that is used for the Upload log files.

Configuration steps:

In the Database Upload, lockup the Upload log file location: The path shown here does not contain the subfolder for the upload name)

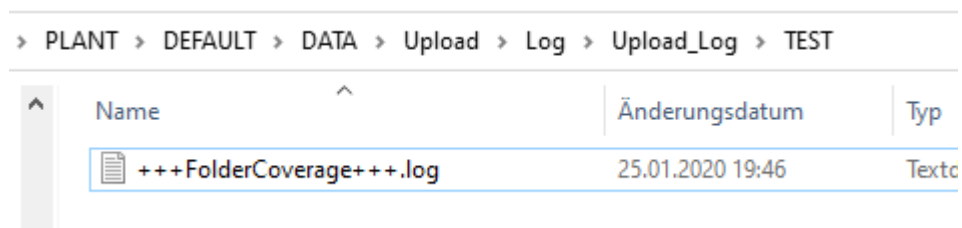


Open a Windows Explorer, find the Upload log file folder.

Within the Upload log file folder, open the subfolder with the Upload name (in this example “Test”). If the subfolder with the Upload name does not exist yet, please create it manually.

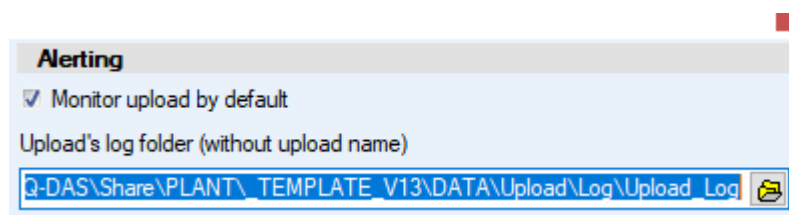
(Remark: The Upload will create the subfolder with the upload name automatically when it encounters the first upload error, and when the first Upload error log file is created.)

Within the Upload log subfolder with the Upload name, create a new text file, rename the Text file to “+++FolderCoverage+++ .log”



Open the Upload Dashboard, click on “Standard settings”:

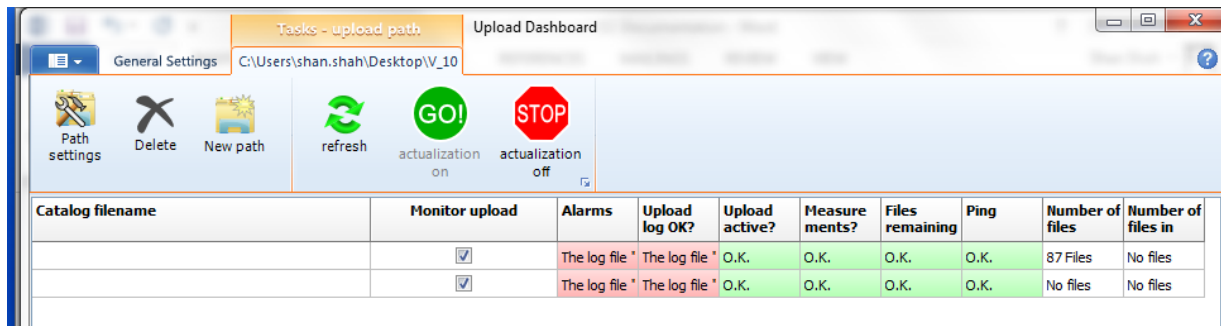
Point the Upload Dashboard to the folder that will contain the Upload log files (main folder without Upload name) with the respective setting;



If items are already configured in the Upload Dashboard: click on the line item, then click on “Path Settings”. Open the Upload log file folder (including the Upload name for this Dashboard item) with the respective setting. Repeat for each line item in the Dashboard as required.

The screenshot shows a configuration window for an upload item. At the top, there are three icons: a wrench for 'Path settings', a crossed-out 'X' for 'Delete', and a folder for 'New path'. Below these is a table with two columns: 'Item identifiers' and 'Upload names'. The table contains two rows, both with 'TEST' in the 'Upload names' column. To the right of the table is a partially visible table with columns 'Additional' and 'Additional', and rows 'L1' and 'L2'. The main configuration area is divided into three sections: 'Catalogues', 'Alerting', and 'Alerting'. The 'Catalogues' section has a checked checkbox for 'Transfer catalogue' and a text field for 'Catalogue file:'. The 'Alerting' section has a checked checkbox for 'Monitor upload' and a text field for 'Logfile folder of this upload configuration' containing the path 'Share\PLANT\TEMPLATE_V13\DATA\Upload\Log\Upload_Log\TEST'. Below this, there are two alert settings: 'Alert if this path has not been accessed by upload for more than' with a value of '1' and a unit of 'hours', and 'Alert if there have not been any data uploaded from this path for more than'.

7 WORKING WITH THE UPLOAD DASHBOARD



Columns the right side of the “Tasks” tab such as:

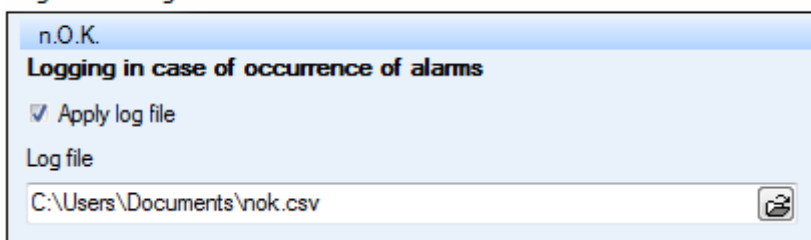
- Alarms
- Upload log OK?
- Upload active?
- Measurements?
- Files remaining
- Ping
- Number of files
- Number of files in additional folder

The fields on the right side show the (alarm) status for the respective column with a red / green background colour coding. The status and colour coding updated periodically, if the “Actualization on” is clicked.

During configuration of the Upload Dashboard, it is recommended to turn the Actualization off.

If configured, the content of the status is also logged in the external log files, for example:

Log File Settings



7.1 Alarm Status columns

Alarms: Accumulative Summary of other columns to the right.

Upload log OK?: indicates whether the “+++FolderCoverage+++” Dashboard log file is available. If the Dashboard log file was not created, a respective status message will be shown, for example:

Alarms	Upload log OK?
Log file "C:\Q-DAS\Share\PLANT_TEMPLATE_V13\DATA\Upload\Log\Upload_Log\TEST1"	Log file "C:\Q-DAS\Share\PLANT_TEMPLATE_V13\DATA\Upload\Log\Upload_Log\TEST1"
Log file "C:\Q-DAS\Share\PLANT_TEMPLATE_V13\DATA\Upload\Log\Upload_Log\TEST1"	Log file "C:\Q-DAS\Share\PLANT_TEMPLATE_V13\DATA\Upload\Log\Upload_Log\TEST1"



The “Measurements?” and “Files remaining?” status depend on the information in the “+++FolderCoverage+++” file, so the log file has to be available to the Dashboard for a proper status display.

Upload active?: Indicates whether upload path has been accessed by the respective Upload Configuration as “expected” based alarm settings configured under “Path settings”:

Alert if this path has not been accessed by upload for more than
 hours

Alert if there have not been any data uploaded from this path for more than
 days

Minimum Number of files to be uploaded in this period

If the Upload is did not meet the expected “quota” of upload path access and uploaded files, and if the Upload client is currently not running at all, the following status will be displayed:

Upload active?
The Upload client does not work
The Upload client does not work

Measurements?: Alerts if not enough files been placed into the upload source folder in a given time period as configured with the respective option under “Path settings”:

Alert if this path has not been accessed by upload for more than
 1 hours

Alert if there have not been any data uploaded from this path for more than
 1 days

Minimum Number of files to be uploaded in this period
 1

Files remaining?: Alerts if not enough files been uploaded in a given time period based on the following configuration under “Path settings”:

Alert if this path has not been accessed by upload for more than
 1 hours

Alert if there have not been any data uploaded from this path for more than
 1 days

Minimum Number of files to be uploaded in this period
 1

For example: Status display if the minimum number of files to be uploaded was met:

Files remaining?	Ping	Number of files
(3 Files / 1 day)	O.K.	No files

An alarm would also be issued here, if the upload attempted to upload a file to the database, but the file was an error file and moved to the upload error folder or had to be renamed in the upload source folder. For example as the message shown below:

	Files remaining?	Ping	Number of files
the folder	The folder contains files which were not uploaded	O.K.	No
the folder	O.K.	O.K.	No

Ping: Ping describes whether the Gauge PC (PC name or the IP Address as entered under path setting) could be pinged or not. For example:

PC Name	Ping	Number of files
c.	O.K.	No
c.	O.K.	No
c.	The computer "172.16.1.3" does not react	No

Number of files: Shows how many files are waiting to be uploaded in the upload source directory

Number of files in additional folder: Shows how many files are waiting to be uploaded from additional folder

7.2 Example: Status Display for “Number of Files”

This example shows the impact the upload being stopped on the “Number of Files” display in the Upload Dashboard

1. The Upload Client was Stopped
2. After some time has elapsed, files from the gage have accumulated in the data source folder. The “Number of Files” field in the Dashboards now shows how many files were present in the upload path when the Dashboard status was last updated. Here, a 23 and 758 files were present in the upload folders at the time

iles	Ping	Number of files	Number of files in additional folder
.K.	O.K.	23 Files	No files
.K.	O.K.	758 Files	No files