AGETOR®

AXT JOBS GUI
Users Guide

Content

1 Preface

This document describes how to use the AXT JOBS GUI system.

1.1 Audience

This guide is written for system administrators and end users that have little or no knowledge of the underlying AGETOR® framework. The guide aims to enable the reader to use the AXT JOBS GUI.

1.2 Typographic conventions

- Text marked with *italics* refer to other publications or definitions of concepts
- Text marked like `AbstractClassName`, `identifier`, `myCoolFunction()` and `cmd` refer to executable commands, identifiers or literal code excerpts

Issues requiring your special attention are presented like this!

1.3 Requirements

You need an up and running AGETOR® Version 3.0.0+ installation including the AXT and DDS modules to use AXT JOBS GUI.

Some initial knowledge about the AGETOR® systems and the AGETOR® Control Center will be helpful, but is not required for reading this guide.

A basic understanding of the AXT DDS Service is expected. If you are new to the DDS Service and its function in AGETOR/AXT, please refer to the AXT DocDeliver User Guide [2] first. This will introduce you to the concepts of Jobs and the different media that are supported by the DDS service (ftp, mail, file system deliver, etc.)

1.4 Acknowledgements

The software described in this document includes software developed by the Apache Software Foundation (http://www.apache.org).

1.5 Additional information

General information on AGETOR/AXT may be found in relevant guides on the AGETOR® download center (www.agetor.com).

2 Introduction

The AXT JOBS GUI is a web based graphical user interface lying on top of an AGETOR/AXT installation. The GUI enables central monitoring of delivery jobs executed by the DDS server (DocDeliver Service).

As the AGETOR/AXT system process and exchange documents much of the document exchange between the system and external parties (ftp, mail, files) is handled by the DDS service component. Also internal file exchange between AGETOR components are managed by the DDS service. The DDS service acts like a document delivery hub that takes the responsibility of delivering documents to destinations. In some cases multiple attempts may be needed and in other cases delivery is not

possible at all due to network problems or bad destination addresses. In such cases the delivery "jobs" are kept at the DDS server for manual resolution.

The AXT JOBS GUI allow for inspection of such executed jobs. I.e. all jobs that have been dispatched through the component regardless of context will be visible here. It is a view that disregards the possible connection between jobs. However, the trace that a job is part of is directly reachable from the GUI by a link.

This guide describes the management and monitoring possible using the JOBS GUI.

3 Using the Jobs GUI

The AXT JOBS GUI uses a simple mode of operation for managing jobs. The basic usage is to search out a set of jobs of interest using a set of more or less advanced criteria. This produces a *working set* of jobs that may be managed.

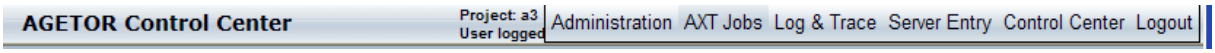
The working set support ordering on different parts of information from the jobs as well as grouping of jobs on pre-configured data values. For example all jobs of the same media type (e.g. ftp jobs) could be grouped together for batch manipulation.

The management basically consists of inspecting job information (status and delivery information), modifying delivery properties, up/downloading the data files for modifications (using the redelivery detail view), redelivering jobs once modified or deleting jobs.

Also an explicit fetch of trace properties related to the jobs may be done in case such *enrichment* of jobs has been configured (see the AXT JOBS Configuration Guide [1] for details on configuring enrichment).

3.1 Opening the JOBS GUI

The Log & Trace GUI is reached from the AGETOR® Control Center by choosing the JOBS entry in the top right menu bar:



This brings up the web-based JOBS GUI.

// SCREENDUMP

3.2 Searching for jobs

By default no jobs are fetched for presentation when opening the JOBS GUI. To view jobs in the DDS server(s) require a search. The top part of the GUI holds two search tabs; a tab for simple searching (default) and an advanced tab.

3.2.1 The simple search tab

The simple search tab is active by default. The tab has three input fields (dropdown boxes); *status*, *server* and *Max. results*. The status input allow the user to choose the basic state of jobs (*failed, succeeded, delivering, all*). By default the failed option is chosen since administrators are usually more interested in discovering problems than processing that went well.

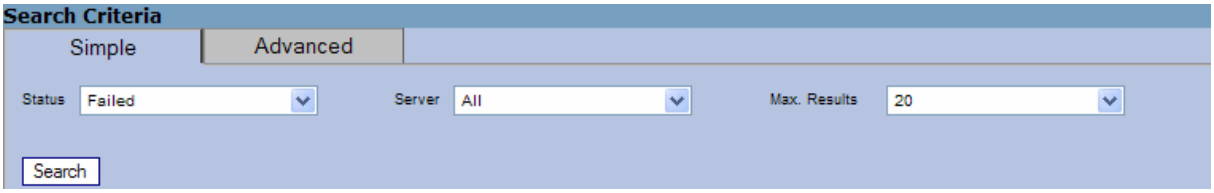


Figure 1Simple search tab

The server dropdown allow for choose a specific DDS server (in case more are in use in the distributed system) or simply *all* configured DDS servers (which will be one single server in the default configuration).

The Max. Results dropdown can be used to limit the number of jobs fetched for presentation. This is very useful when many jobs exist in the DDS server since the fetch and transfer across the network may be time consuming. The default is to present the first 20 jobs of the search.

Pressings the search button will submit a search request to the DDS server(s) and the first 20 jobs will be show in the Job Result display section (see below).

3.2.2 The advanced search tab

The advanced search tab has the same fields as the simple tab, but a number of additional fields for more specific job search.

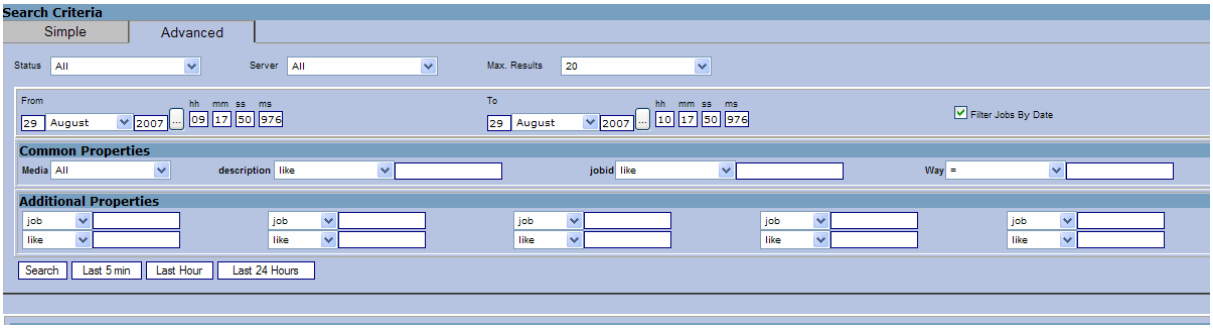


Figure 2. Advanced search tab

The additional fields are:

- *from* and *to* dates for narrowing down the time period of the job
- The *filter jobs by date* option ignores the dates if unchecked (may be useful)

Two sections follow (*Common Properties* and *Additional Properties*) which contain configurable search fields that refer to job properties (see AXT JOBS Configuration Guide [1] for information on adding such fields to the GUI). The properties available in job files depend on the media (see the DDS User Guide [2] for media specific properties) as well as the *enrichment* that has been configured. I.e. you may have a wish to add some customer specific information to certain jobs during the transformation flow in AXT. Such information is stored in the Log & Trace database as document and trace properties and may be replicated in the jobs files allowing for search in the JOBS GUI.

- The section *Common Properties* contains a number of configurable fields (see AXT JOBS Configuration Guide [1] for information on adding fields to the GUI). These fields are all

properties from the job files. The properties available in job files depend on the media as well as what trace and document property data have been replicated from L&T system.

- The *Additional Properties* section contains a number of generic search criteria input fields. Each criteria consists of a type (job, trace, document) followed by an input field to contain the name of the property. Also an operator may be chosen and the value to search for is given in a fourth field:

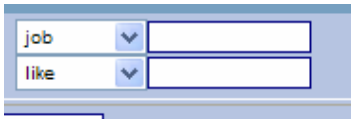


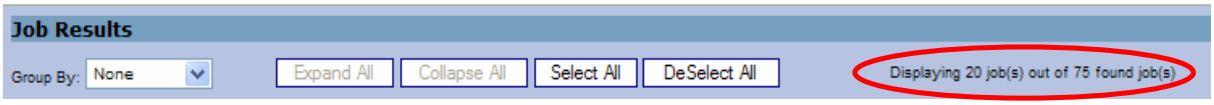
Figure 3. Generic additional property

Hitting the search button will submit the search request to the DDS server(s) and display found jobs in the *Jobs Result* section (see below).

3.3 Job Result section

The *Job Result* section is where the found DDS jobs are displayed in a list. The size of the list depends on the number of found jobs as well as the setting of the *Max. Result*. (See section on search).

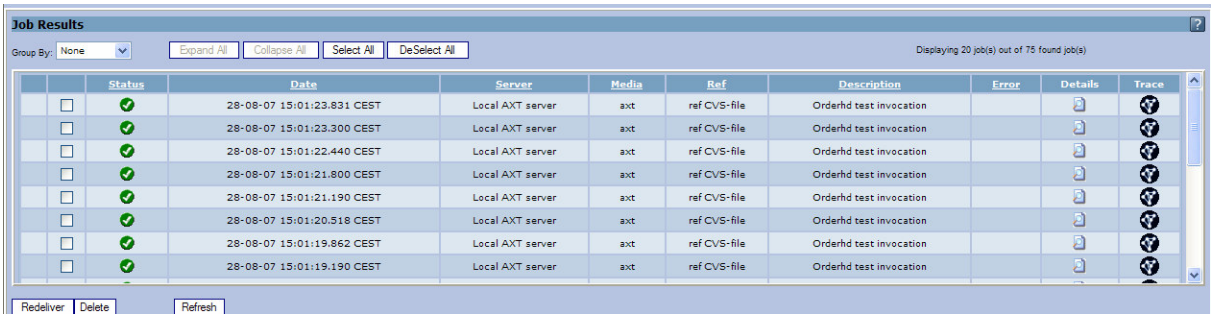
The list is called the *working set* because only the jobs in the displayed list may be affected by operations. Note, however that the working set often is much smaller than the complete set of jobs that matched the search – you only see the top of the list in most cases. How many jobs actually matched can be seen in the top right hand side of the result section where a text states how many jobs are displayed (working set) and how many were totally found in the DDS server(s):



Each line of the result list represents a job. A number of columns display information about the jobs. These columns are configurable (see AXT JOBS Configuration Guide [1] for details on configuring what columns should be displayed). In the following the default configuration is presented.

In the leftmost column a checkbox allow for selecting specific jobs. This is followed by a column containing the date of the job. Next the DDS server from which the job was found is given. This is followed by the *media* column that displays the media code of the job. Common media types are ftp, mail, file system and axt. Other media can be plugged into the DDS server.

The *Ref* column show a document reference if such a reference was added to the job (this should be explicitly done during AXT processing since document references and other meta data for documents are highly dependant on the actual business logic and transformation configuration). By default there is no value for the column. The error column may contain an error message if the job has failed. The following *Details* column has a link that will show the details of the job in a new pop-up window (see section on Job details later). The final *Trace* link will bring up the Log & Trace system with the trace that the job belongs to. This is useful when the context of the jobs is to be understood.



3.4 Working with jobs in the *working set*

3.4.1 Sorting jobs

Each column header of the job result list is clickable and clicking the header will result in a new search being executed with the chosen column as the sort order. E.g. if the *Date* column is clicked to order the jobs in ascending order, a new search and sort is conducted and the first jobs are shown as a new result working set. The column chosen for ordering indicate the ordering and direction by a small symbol next to the name of the column (Date▲ or Date▼).

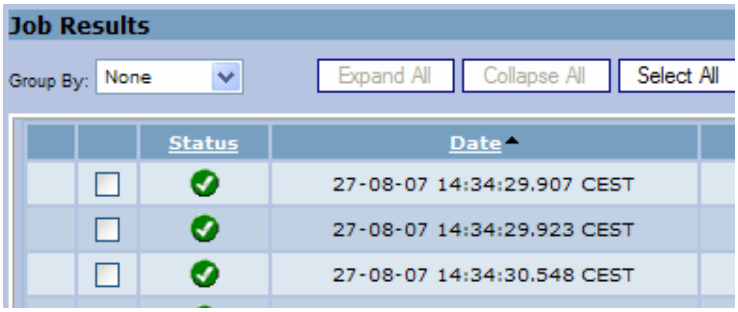
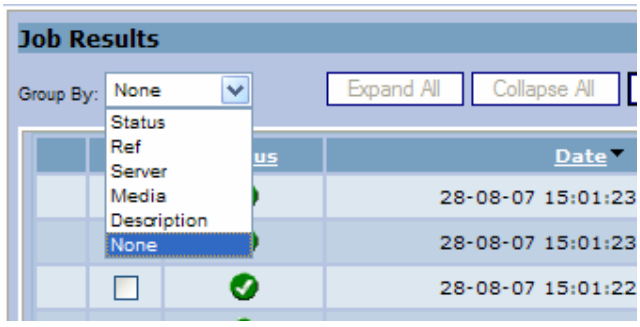


Figure 4. Jobs ordered on the Date column

3.4.2 Grouping jobs

It is possible to group jobs on pre-configured columns. By default the groupings shown below are possible, but by configuration other columns can be used (see AXT JOBS Configuration Guide [1]).



Grouping on a column will batch jobs in groups that have the exact same value for the grouping column. E.g. if we choose to group jobs on their media we might get the following result:

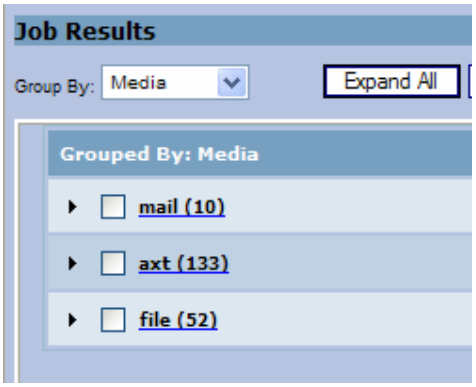
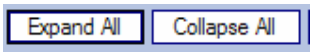


Figure 5. Grouping jobs on their media

Groups are expanded and collapsed by clicking on the small arrow next to the group (▸).

Figure 6. Expanded group

It is also possible to expand or collapse all groups by pressing the 

buttons.
It is still possible to order jobs when grouped of course.

3.4.3 Selecting jobs

Jobs may be selected individually by their select box:

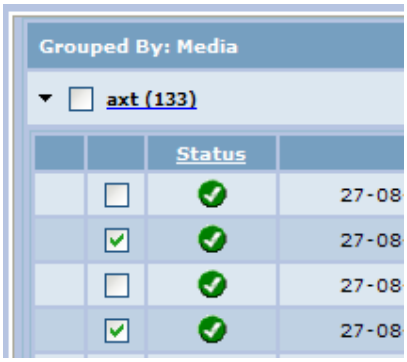


Figure 7. Selecting individual jobs

It is also possible to select all the jobs of a certain group by selecting the select box next to the group:

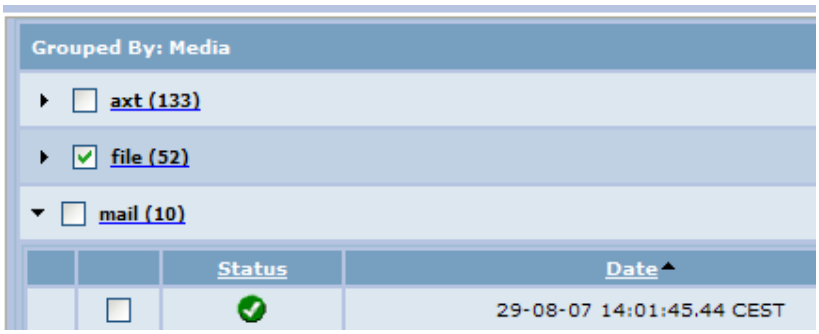


Figure 8. Selecting a group

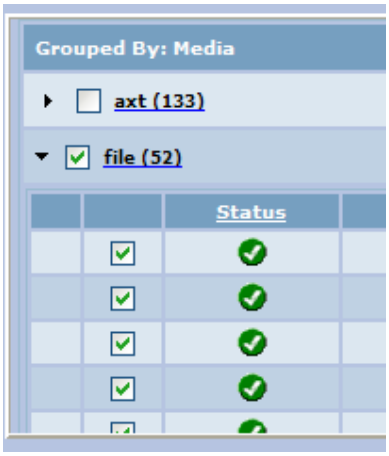
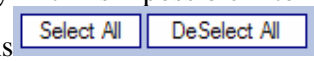


Figure 9. All jobs in the selected group are selected

Finally it is possible to select/deselect all jobs in the working set using the buttons 

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3.4.4 Deleting jobs

To delete jobs you must select them. Once selected, pressing the delete button 

will bring up a confirmation dialog.

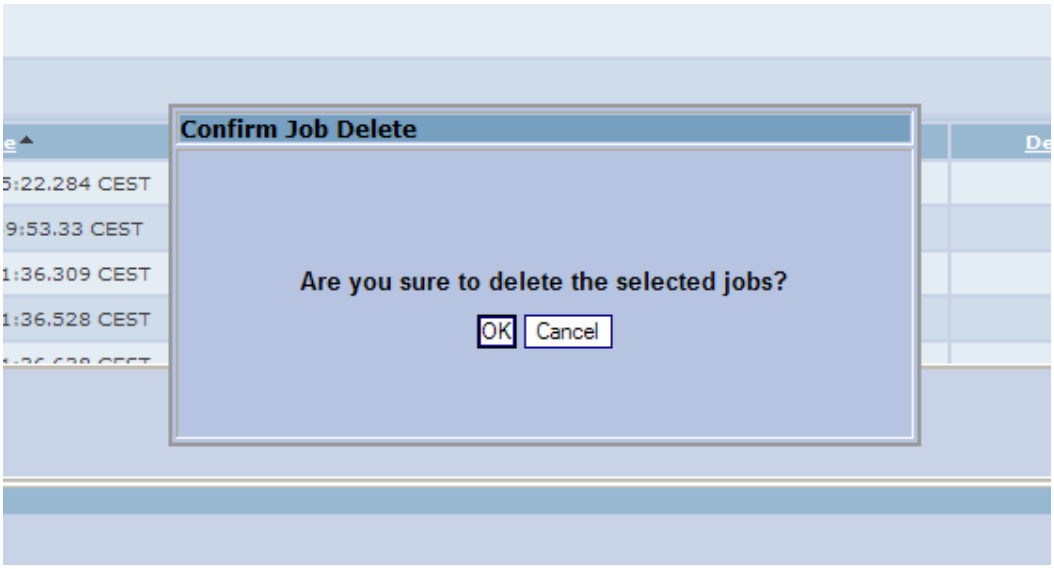


Figure 10. Confirming delete

Choosing Ok, will delete all selected jobs.

3.4.5 Redelivering jobs

In cases where a job has failed due to periodic outage of some destination (e.g. ftp-server or the like), a simple retry is often sufficient to deliver the file. Such simple redeliveries can be done by pressing the redeliver button.

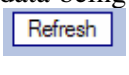
Please note, that in order for a redelivery to be executed the job data must be present in the DDS server. By default the job data is only kept if a job fails thus it is not possible (and usually not required) to redeliver a succeeded job.

Once redelivery have been made it is useful to verify the modified job status by performing a new search. E.g. a failed job that succeeds after redelivery will not appear again if the search were for failed jobs only.

3.4.6 Refreshing jobs (explicit enrichment)

In case the enrichment of jobs has been configured with the DDS service, job information will be updated once the job terminates (success or failure). The update consists of fetching document or trace properties from the Log & Trace system and persisting them with the job. This allows for subsequent inspection and search on such properties.

This automated data replication is performed with a delay and run as an internal DDS job (of type lt) and t may fail if the L&T server is not accessible.

If this happens the job may not have all the expected information in the Jobs view later. However, an explicit data request may be made for such “incomplete” jobs and this will result in data being fetched in real time and presented in the GUI. The refresh of data is done by pressing the 

button.

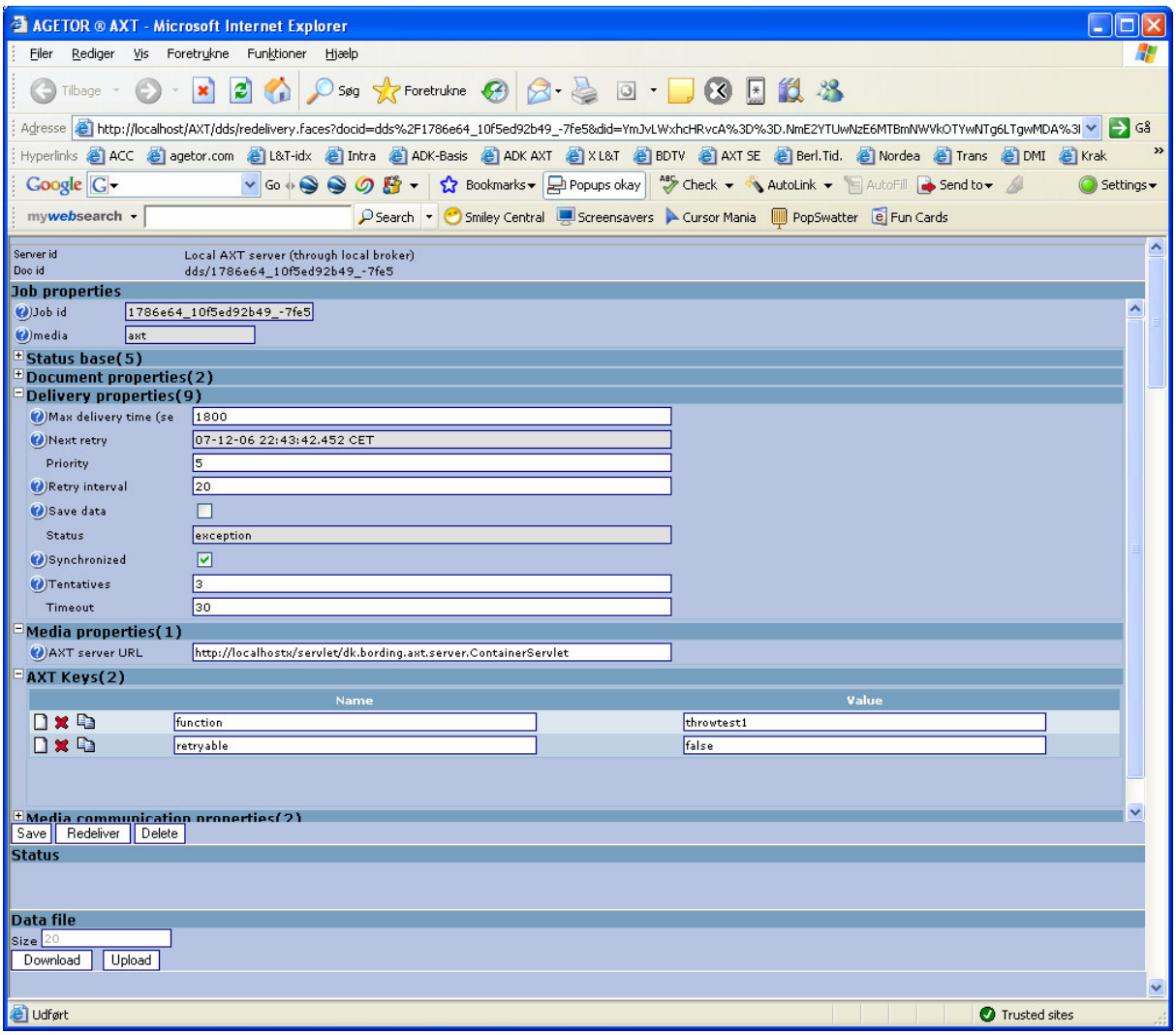
The example below shows how two jobs were chosen and the Ref column data updated by the refresh command. The ref data value stems from the L&T system that was queried during the refresh.

	Status	Date	Server	Media	Ref
☑	✓	28-08-07 14:15:22.284 CEST	Local AXT server	file	ddsfilejob
☑	✓	28-08-07 14:59:53.33 CEST	Local AXT server	file	ddsfilejob
☐	✓	29-08-07 14:01:36.309 CEST	Local AXT server	file	
☐	✓	29-08-07 14:01:36.528 CEST	Local AXT server	file	
☐	✓	29-08-07 14:01:36.638 CEST	Local AXT server	file	

3.5 The Job Detail window

This window shows information on the DDS delivery including all properties from the job file. Some values are editable. E.g. in case it was impossible to send the file to an FTP-server because the FTP-server name was wrong, it is now possible to modify the name and submit the job for redelivery by choosing the redeliver function.

If the delivery was caused by errors in the data content of the file being sent, the file may be downloaded to the local computer where it may be edited and subsequently uploaded. Again a redelivery may be attempted.



The redelivery page structures delivery properties in logical sections that may be expanded/collapsed for better focus and overview.

For AXT jobs a set of keys are present and these may be edited as well.

4 Using multiple DDS servers

When multiple AGETOR® installations are used more DDS servers may be used as well as part of the same processing flow. This may be the case in environments with firewalls protecting internal and external servers.

In such cases jobs are distributed across more servers so in order to view all jobs in the AXT JOBS GUI it is necessary to configure the presence of such other servers. Please refer to the section "Mapping L&T application information to AXT/DDS-servers" in the AGETOR/AXT 3.0 what's new Guide [3] for details on such mappings.

5 Configuration interaction

Please refer to the *AXT JOBS GUI – Configuration Guide* [1] for information on how to configure the JOBS GUI to present custom information.

6 References

The AGETOR guides are all available at the AGETOR® download center located at: http://www.agetor.com/ or as part of your AGETOR® installation in the `/doc` directory.

[1] *"AXT JOBS GUI – Configuration Guide"*
[2] *"AXT DocDeliver User Guide"*
[3] *"AGETOR/AXT 3.0 what's new Guide"*