



New Features in ibaDatManager v1.4.0

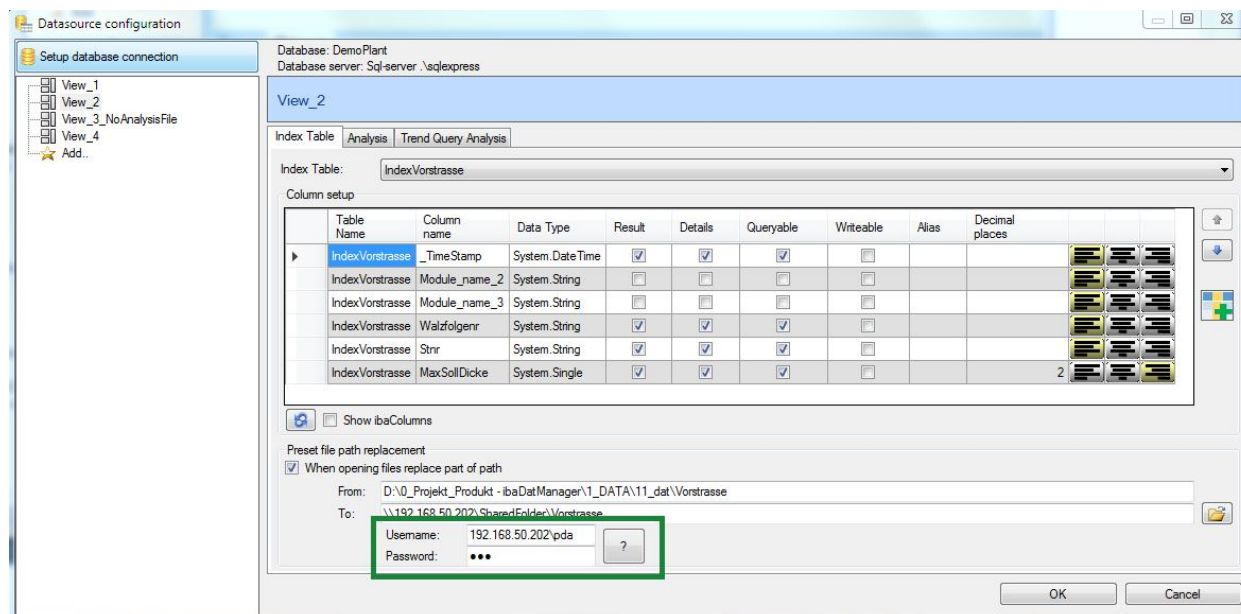
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Date: Feb 2014

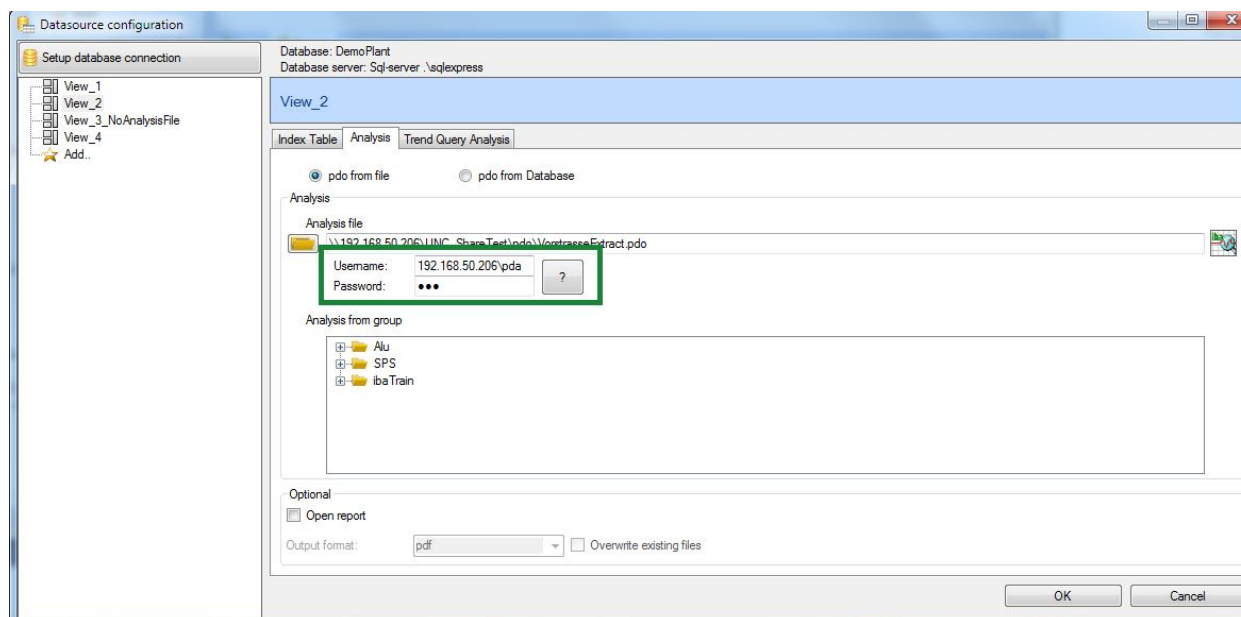
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1 Datasource configuration – access to shared folders



The dialog supports the entry for login and password. The access to the analysis file could also be managed over a shared directory using extra credentials.



2 Synchronization of database and file system (DBSync)

DBSync is defined as plugin for ibaDatCoordinator



Note

The Following is about the installation and usage of the Plugin for ibaDatCoordinator
Supported in ibaDatCoordinator v1.23.0 or higher

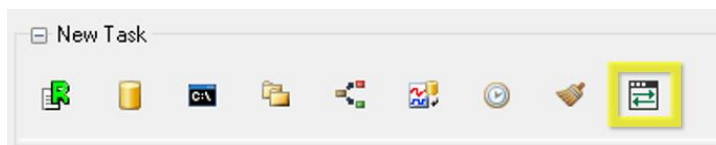
Using the ibaAnalyzer-DB to extract values from a dat file into a database will create for each file a record at the index table (ibaFile table). This record contains next to the user defined values for infofields and evaluated columns a number of values which are extracted by default for each dat file as the filename with full file path and the start time of the file recording.

The filename is used by ibaAnalyzer or ibaDatManager as reference for the drill down to the detailed original data.

A file reference could become invalid by moving the original dat file to another folder (e.g. archive) or remove the file completely from the system (e.g. cleanup job). The DBSync Plugin will check for the existence of the file references from the index table at the database. The result of this check of the validity of the reference can be registered at an additional column at the index table. The status '1' for a record of this column will say that the file reference is valid and '0' that the file could not be found at the referenced file path.

Another option at the DBSync Plugin allows the deleting of the records where the dat file could not be found.

The DBSync Plugin is designed as a plugin for the application in ibaDatCoordinator.



2.1 Installation of the DBSync Plugin

Using the installer [DBSyncPluginInstaller_v1.0.0.exe] and follow the installation steps

2.2 Create scheduled job in ibaDatCoordinator

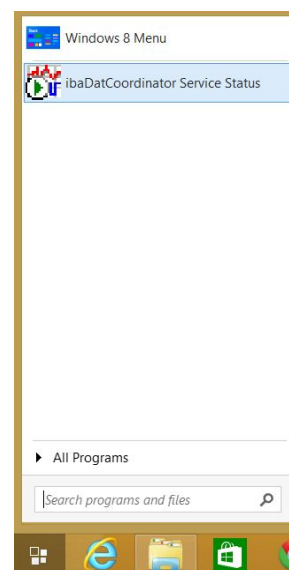
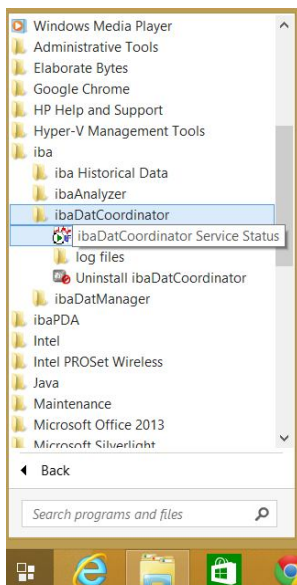
Start ibaDatCoordinator if not yet started

☐ on windows start program list:

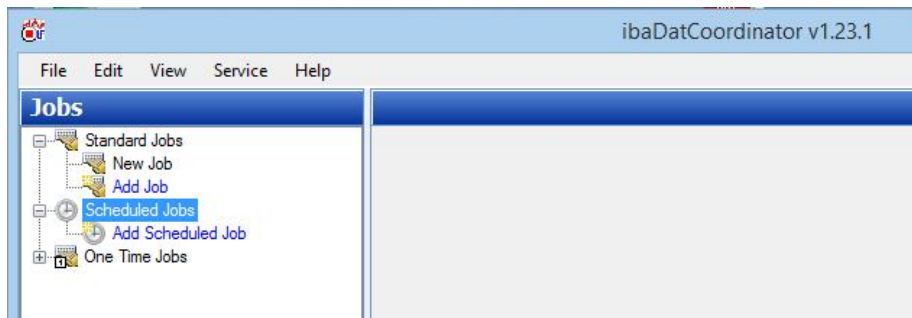
☐ on windows start menu

Windows start menu

- all programs
- iba
- ibaDatCoordinator
- ibaDatCoordinator
- ibaDatCoordinator Service Status

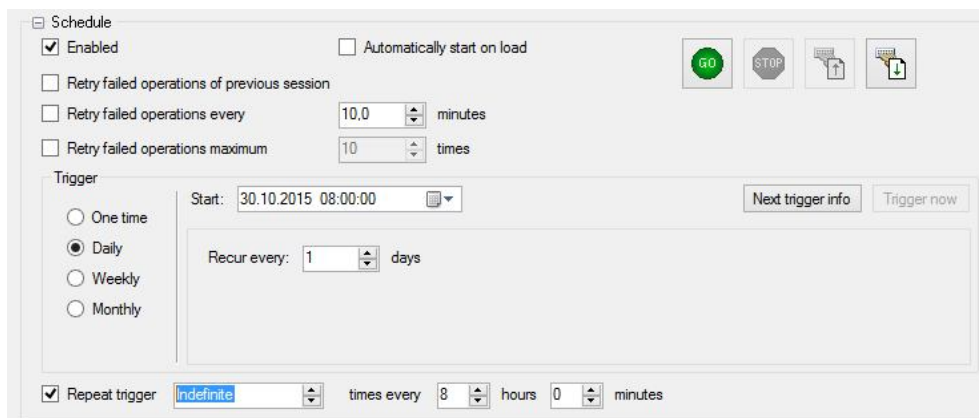


Create a new scheduled job at the ibaDatCoordinator

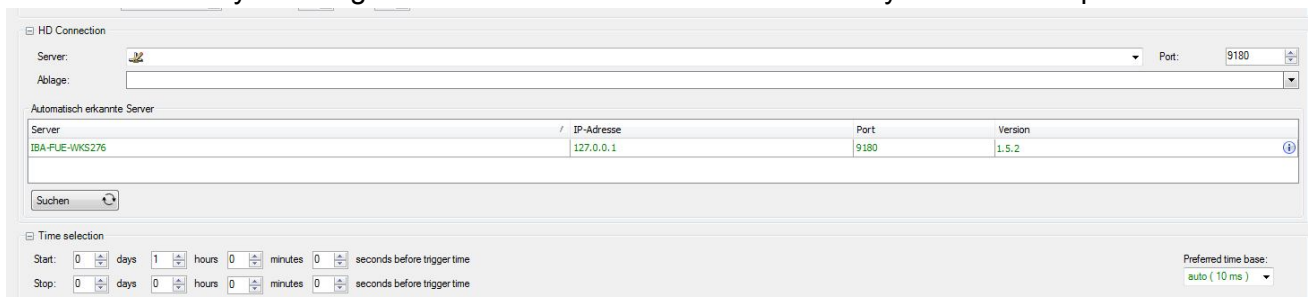


The scheduled job provides next to the usual criteria for a name the option to setup a schedule for the job execution.

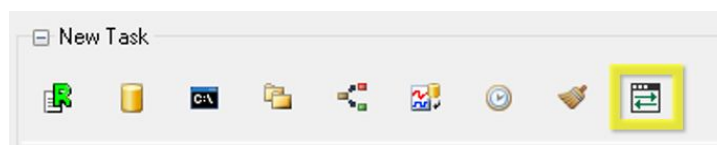
This example shows the daily execution of the job each 8 hours starting 30th Oct 2015 at 8 am.



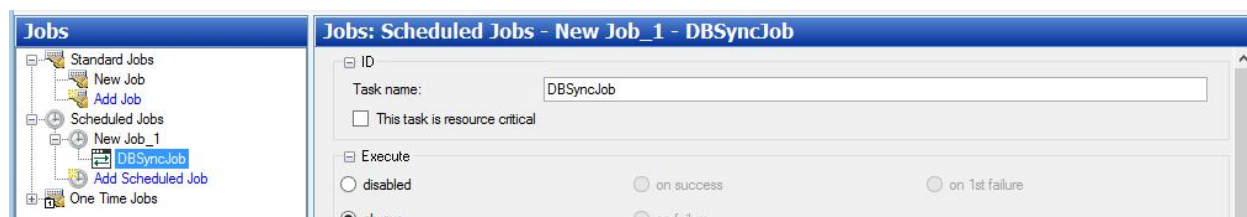
It is **not** necessary to configure a HD Server connection to run the synchronization process.



Select the DBSync Plugin icon to add a new DBSync task to the scheduled job.



The symbol of the DBSync job appears at the scheduled task.



2.3 Configure the DBSync job

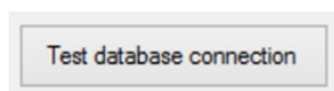
The DBSync job provides a configuration mask to set the database connection and the task specific parameters.

2.3.1 Database connection

Set the database connection:

 The screenshot shows the 'Database info' configuration dialog. It has several fields: 'Database provider' (a dropdown menu set to 'Sql-server'), 'Computer' (radio buttons for 'Local machine' and 'Database server', with 'Database server' selected), 'Database name' (a text box containing 'ibaTraining'), 'Authentication' (radio buttons for 'Use Windows NT authentication' and 'Specify authentication info', with 'Use Windows NT authentication' selected), 'Username' (a text box), 'Password' (a text box), and 'Table name' (a text box containing 'deFile'). There is a 'Test database connection' button on the right.

Database parameter	Declaration
Database provider	Selection between SQL-Server, Oracle, DB-2 or ODBC (Access, MySQL)
Computer	Localhost or a specific database server
Database name	The database name or DSN (ODBC Connection)
Authentication	By operation system or using login and password
Table name	Use the ibaFile table



The button “Test database connection” can be used to validate the database connection.

2.3.2 Parameters

Parameters

☐ Delete records where no valid file reference can be found

☒ When validate file reference replace part of path:

from:

to:

Username:

Password:

Parameters	Declaration
Delete records where no file can be found	Not checked: an additional column named "FILE_REFERENCE_VALID" ¹ is set to '1' for valid references and '0' for files which can't be located Checked: the records at the file table marked in column "FILE_REFERENCE_VALID" with 0 are going to be deleted from the table.
Replace part of reference file path	Enables the replacement of the first part of the filename in database column _filename "FILE_REFERENCE_VALID" is set '1' if file is located in archive ("to:") "FILE_REFERENCE_VALID" is set '0' if file is located in original path ("from:") and not in archive
From:	Part of the filename that is going to be replaced
To:	The new path of the filename
Username; Password	In case the ibaDatCoordinator needs to access a shared folder the login and password could be set

2.3.3 Logging

During the execution of a task ibaDatCoordinator logs all internal processes and stores the log files on the harddisk.

You can easily access the log files via the Start menu:

Start – All Programs – iba – ibaDatCoordinator – log files

If ibaDatCoordinator is installed as service you will find the log files in the following folder:

C:\ProgramData\iba\ibaDatCoordinator

If ibaDatCoordinator is installed as program the log files are stored in the application data folder of the corresponding user:

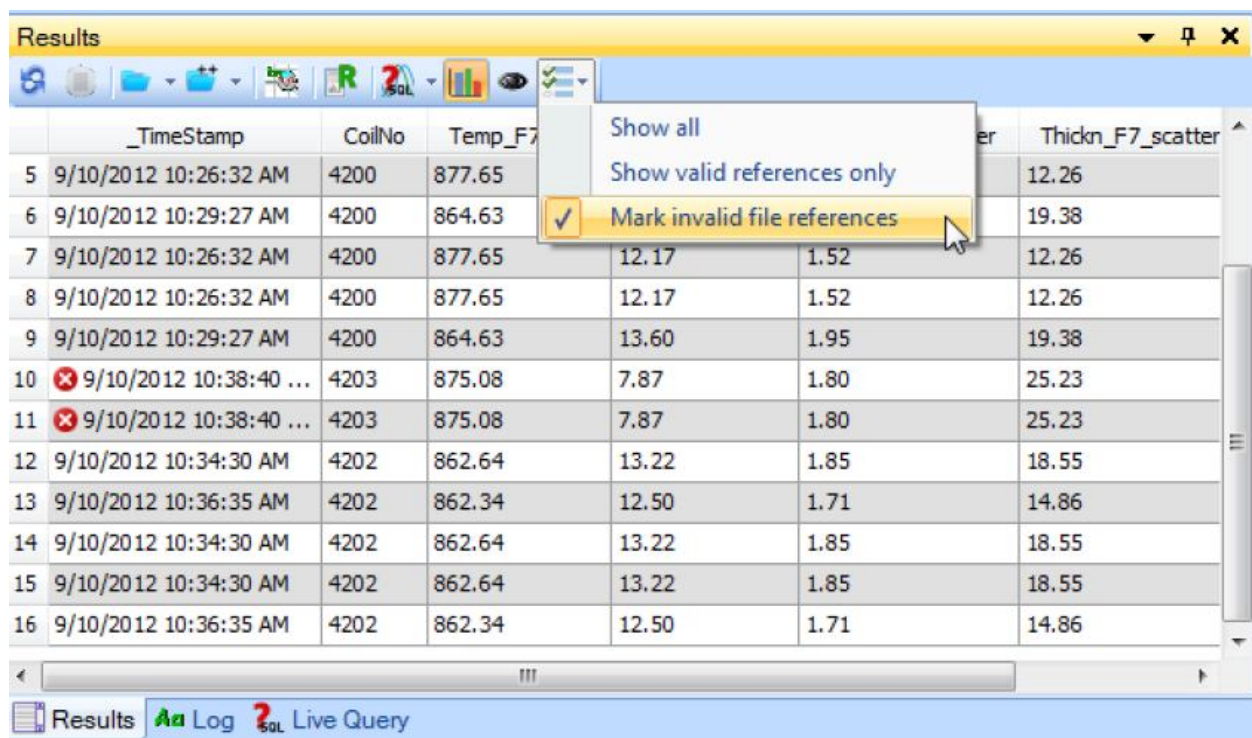
C:\Users\username\AppData\Local\iba\ibaDatCoordinator

The log files of the DBSync Plugin are stored in a special subfolder ... **\DBSyncPlugin**.

¹ The columns can be added only to a database file and not to a database view

2.4 Usage of the DBSync result in ibaDatManager

In ibaDatManager a new option is integrated to show, hide or mark the file references from the result table which detected by the DBSync Plugin as invalid. The content of the column FILE_REFERENCE_VALID is analyzed and according to the selected option displayed at the result table.



	_TimeStamp	CoilNo	Temp_F7	Thickn_F7_scatter
5	9/10/2012 10:26:32 AM	4200	877.65	12.26
6	9/10/2012 10:29:27 AM	4200	864.63	19.38
7	9/10/2012 10:26:32 AM	4200	877.65	12.26
8	9/10/2012 10:26:32 AM	4200	877.65	12.26
9	9/10/2012 10:29:27 AM	4200	864.63	19.38
10	9/10/2012 10:38:40 ...	4203	875.08	25.23
11	9/10/2012 10:38:40 ...	4203	875.08	25.23
12	9/10/2012 10:34:30 AM	4202	862.64	18.55
13	9/10/2012 10:36:35 AM	4202	862.34	14.86
14	9/10/2012 10:34:30 AM	4202	862.64	18.55
15	9/10/2012 10:34:30 AM	4202	862.64	18.55
16	9/10/2012 10:36:35 AM	4202	862.34	14.86