

**The SFTP Export plugin
PRINTED MANUAL**

SFTP Export plugin

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1 Introduction

SFTP Export plugin allows you to send data packets to a remote server using SFTP or FTP protocols. The plugin sends data packets in real-time. It can append a log file on a remote server or create a new file for every data packet.

2 System requirements

The following requirements must be met for "SFTP Export" to be installed:

Operating system: Windows 2000 SP4 and above, including both x86 and x64 workstations and servers. The latest service pack for the corresponding OS is required.

Free disk space: Not less than 5 MB of free disk space is recommended.

Special access requirements: You should log on as a user with Administrator rights in order to install this module.

The main application (core) must be installed, for example, Advanced Serial Data Logger.

Notes for Microsoft Vista and above:

Since our software saves data to the registry and installs to the Program Files folder, the following requirements must be met:

1. You need Administrator rights to run and install our software
2. The shortcut icon of our software will be located on the desktop;
3. Windows Vista will ask for your confirmation to continue the installation.

NOTE: You can configure the user account only once in order not to see the above dialog box any more. Search Google for the solution to this problem.

3 Installing SFTP Export

1. Close the main application (for example, Advanced Serial Data Logger) if it is running;
2. Copy the program to your hard drive;
3. Run the module installation file with a double click on the file name in Windows Explorer;
4. Follow the instructions of the installation software. Usually, it is enough just to click the "Next" button several times;
5. Start the main application. The name of the module will appear on the "Modules" tab of the "Settings" window if it is successfully installed.

If the module is compatible with the program, its name and version will be displayed in the module list. You can see examples of installed modules on fig.1-2. Some types of modules require additional configuration. To do it, just select a module from the list and click the "Setup" button next to the list. The configuration of the module is described below.

You can see some types of modules on the "Log file" tab. To configure such a module, you should select it from the "File type" list and click the "Advanced" button.

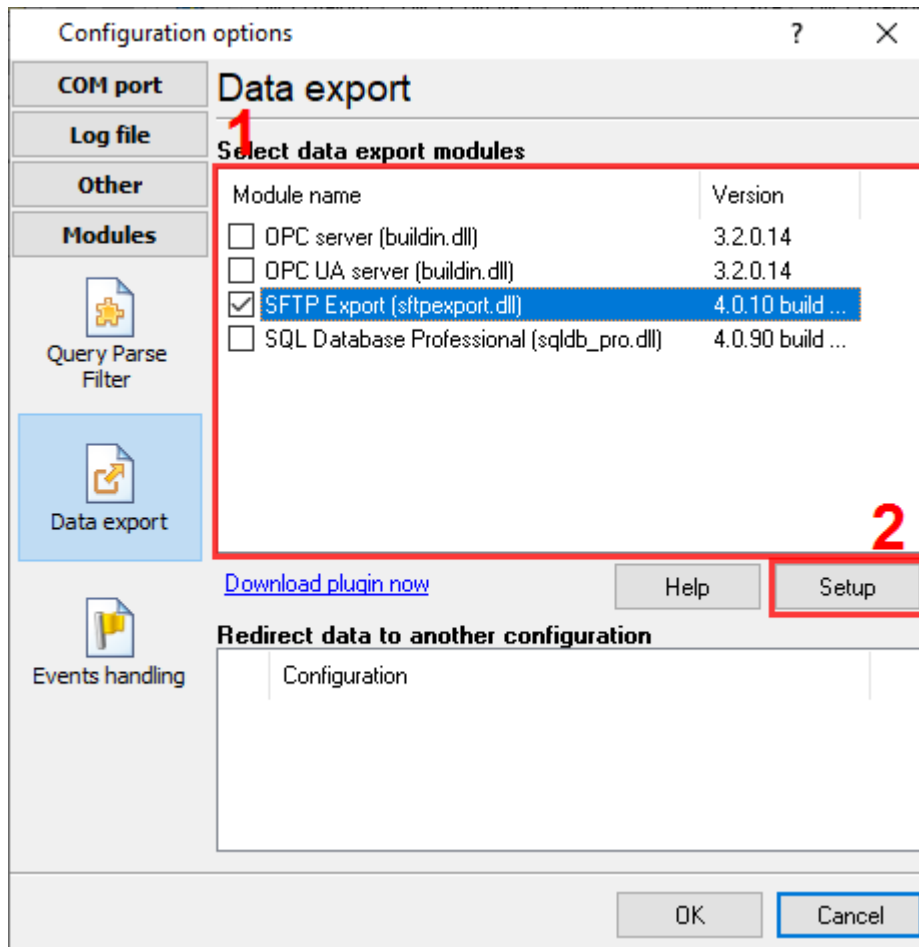


Fig.1. Example of installed module

4 Glossary

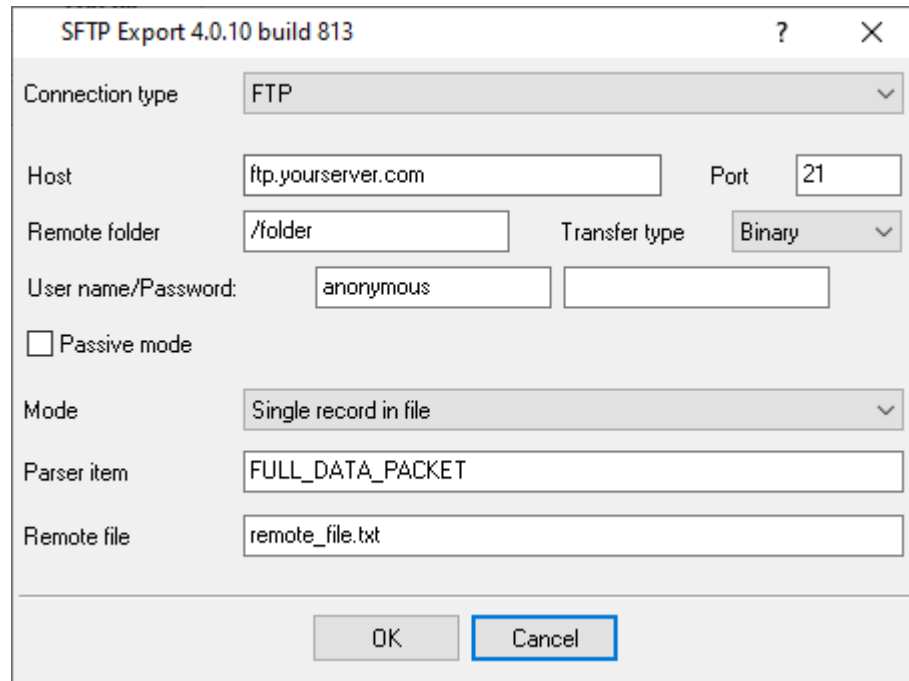
Main program - it is the main executable of the application, for example, Advanced Serial Data Logger and asdlog.exe. It allows you to create several configurations with different settings and use different plugins.

Plugin - it is the additional plugin module for the main program. The plugin module extends the functionality of the main program.

Parser - it is the plugin module that processes the data flow, singling out data packets from it, and then variables from data packets. These variables are used in data export modules after that.

Core - see "Main program."

5 Connection settings



The screenshot shows a dialog box titled "SFTP Export 4.0.10 build 813". It contains the following fields and controls:

- Connection type:** A dropdown menu set to "FTP".
- Host:** A text input field containing "ftp.yourserver.com".
- Port:** A text input field containing "21".
- Remote folder:** A text input field containing "/folder".
- Transfer type:** A dropdown menu set to "Binary".
- User name/Password:** Two text input fields; the first contains "anonymous".
- Passive mode:** An unchecked checkbox.
- Mode:** A dropdown menu set to "Single record in file".
- Parser item:** A text input field containing "FULL_DATA_PACKET".
- Remote file:** A text input field containing "remote_file.txt".
- Buttons:** "OK" and "Cancel" buttons at the bottom.

Fig. 1 Connection settings

You should specify the following parameters for an FTP or SFTP connection (fig. 1):

Connection type - you should select a protocol type:

- **FTP** - File Transfer Protocol. It is fast but insecure. You can use it if a server is located in your local network.
- **SFTP** - it is the secure implementation of the file transfer protocol. It works over a secure SSH channel and has nothing in common with the FTP protocol. SFTP works as a subsystem of the SSHv2 protocol. You can safely send data over the Internet. But this protocol requires more time to establish a connection and send a single data packet.

Host - the name or the IP-address of your FTP server (for example: "127.0.0.1", "ftp.yourserver.com").

Port - the port number used by the FTP protocol. By default, the port number is "21" for FTP and "22" for SFTP connections.

User name and **Password** - You should type the login name and password for connection for your FTP server in these fields.

Remote folder - you should specify a target folder name on your server. The absolute path is preferable for Linux-based hosts. If this field is empty, the file will be transferred to a default folder for a user. If the folder does not exist, the plugin will try to create it if a user has the corresponding permissions.

Passive mode - if the option is enabled, the connection to the server will be performed in the passive mode.

Transfer type - the plugin can transfer data to a server in two modes:

- **Binary** - the plugin sends data as is without any modifications.
- **Text** - the plugin will detect a type of remote server and change line feeds characters to 0x0A for UNIX and 0x0D 0x0A for Windows servers in source data.

Mode - it is the mode how the plugin creates a file on a remote server.

- Single record in file - the target file stores only the last record.
- Append record to file - the plugin indefinitely appends records to the specified file.
- Create new file with single record - the plugin appends a counter to the specified name and writes every record to a new file.

Parser item - it is the name of the parser variable which value the plugin sends to a remote server.

Remote file - the name of the file on a remote server.