

PowerSchool's AutoSend function can be used to send a data file to SIRAS's SFTP site in order to synchronize data between PowerSchool and SIRAS.

There are several caveats to using AutoSend for this purpose:

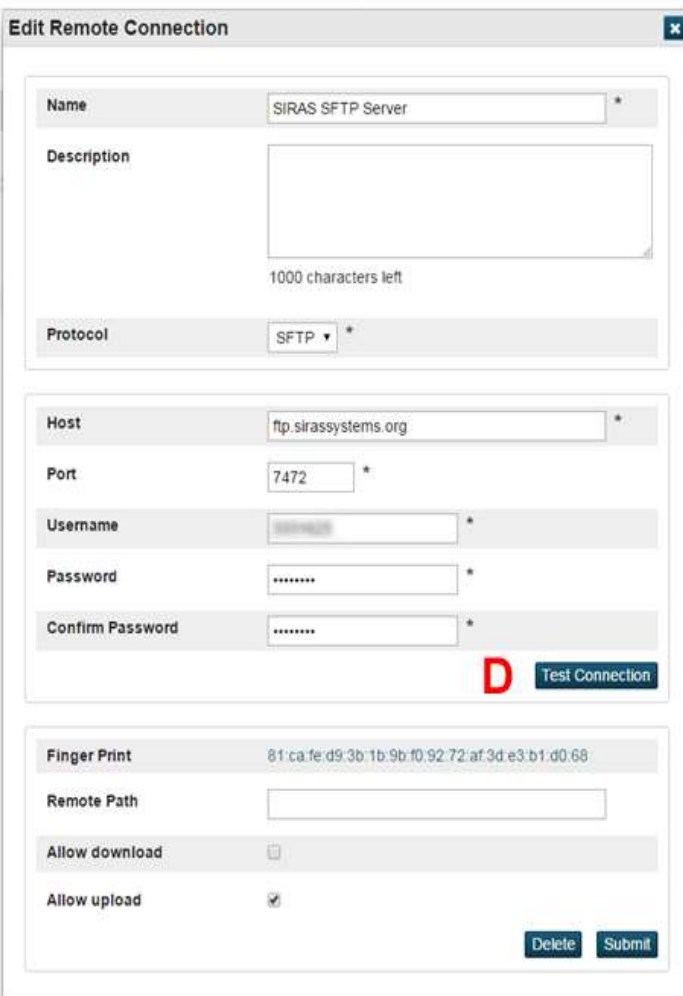
- Separate AutoSend events must be created for the Demographic and Contacts exports.
- An AutoSend can be applied at the District Office level or at the individual school level.
- AutoSend can only retrieve data from the STUDENTS table or PowerSchool-defined related tables (in this case, the SCHOOLS table).
- State custom fields must be migrated to database extensions.
- AutoSend cannot create a header row in its export file, so documentation of the field order must be provided to SIRAS.
- AutoSend cannot wrap the comma-delimited fields in quotation marks, so the PowerSchool data being exported cannot contain any commas.
- The example in this document uses only stock PowerSchool fields. If the end user stores any of the required data in custom fields, those fields must be identified and placed in the AutoSend field list.
- For the Contacts export, AutoSend cannot create multiple rows for each student, so the site must decide on a single contact to be exported for each student.
- Several pieces of required data will need to be manually entered into the MIS Summary page; the federal races (1, 2 and 3) and the secondary disability are not available from PowerSchool via the student table.

Setting up an AutoSend involves three steps:

1. Set up a Managed Connection so PowerSchool knows *where* to send the file.
2. Develop a list of the PowerSchool fields to be exported so PowerSchool knows *what* to send in the file.
3. Set up an AutoSend event so PowerSchool knows *when* to send the data to the SFTP server.

Set up a Managed Connection to SIRAS's SFTP server

1. System > System Settings > Plugin Management > Remote Connection Manager
2. Click on the Remote Connection Manager link
3. Click the Create Connection button



The screenshot shows the 'Edit Remote Connection' window. Red letters A, B, C, and D are placed to the left of the form fields to indicate specific steps in the setup process.

- A** points to the 'Name' field, which contains 'SIRAS SFTP Server'.
- B** points to the 'Protocol' dropdown menu, which is set to 'SFTP'.
- C** points to the 'Host', 'Port', 'Username', 'Password', and 'Confirm Password' fields.
- D** points to the 'Test Connection' button.

Other visible fields include 'Description' (with a 1000 character limit), 'Finger Print' (81:ca:fe:d9:3b:1b:9b:f0:92:72:af:3d:e3:b1:d0:68), 'Remote Path', 'Allow download' (unchecked), and 'Allow upload' (checked). 'Delete' and 'Submit' buttons are at the bottom right.

4. Enter the settings for the Remote Connection
 - a. Name the connection. It can be anything, but should be descriptive.
 - b. Select SFTP from the Protocol pull-down box.
 - c. Enter the server address, port, username, and password provided by SIRAS.
 - d. Click Test Connection to verify that the connection is working
5. Click Submit

Develop a list of the PowerSchool fields to be exported

If the site uses stock PowerSchool fields, the following field list can be used for the Demographics export:

Demographic Data		PowerSchool Stock Field Equivalent	Format	Notes
SSID		STATE_STUDENTNUMBER	State SSID number	
Local student ID		STUDENT_NUMBER	Numeric	
First Name		FIRST_NAME	Alpha	
Last Name		LAST_NAME	Alpha	
Birthdate		DOB	mm/dd/yyyy	
Middle Name		MIDDLE_NAME	Alpha	
Generation		S_CA_STU_X.NameSuffix	Alpha	
School Attending		[SCHOOLS]ALTERNATE_SCHOOL_NUMBER	State School Number	
School Type		^(Decode;1;1;10;)	Numeric	Replace "10" if school is a different school type
District of Residence		DISTRICTOFRESIDENCE	State District Number	
School of Residence				Unavailable: Not a stock PS field
Grade		GRADE_LEVEL	Numeric	
Gender		GENDER	M, F	
Federal Ethnicity		^(decode;^(FEDETHNICITY);1;500;0;501;900)	500, 501	Decodes FEDETHNICITY (0 or 1) to 500 or 501
Race1				Not available via the Student Table
Race2				Not available via the Student Table
Race3				Not available via the Student Table
EL		S_CA_STU_X.ELASTATUS	EL, EO, IFEP, RFEP	
RFEP Date		S_CA_STU_X.RFEPDATE	mm/dd/yyyy	
Native Language		S_CA_STU_X.PrimaryLanguage	CASEMIS NATIV_LANG Codes	
Migrant		^(decode;^(S_CA_STU_X.MIGRANTED;1;Yes;2;No)	1, 0	
Residential Status		S_CA_STU_X.RESSTATUS	CASEMIS RESID_STAT Codes	
Federal Infant Setting		S_CA_STU_X.INFEDSETTING	CASEMIS FEDSET_INF Codes	
Federal Preschool Setting		S_CA_STU_X.PREFEDSETTING	CASEMIS FEDSET_PRS Codes	
Federal School Setting		S_CA_STU_X.FEDSETTING	CASEMIS FEDSET_SCH Codes	
Primary Disability		S_CA_STU_X.PRIMARYDISABILITY	CASEMIS DISABILIT Codes	
Secondary Disability				Not available via the Student Table
Site ID		SCHOOLID	Site School Number	

If custom fields are used to store demographic information, the stock fields in the list above can be replaced with custom field names. It is suggested that the list be tested for errors using QuickExport prior to setting up the AutoSend

Create an AutoSend Record

1. System > AutoSend Setup
2. Click the New button

Field	Value
Name	SIRAS nightly demographic upload
Data to Send	Students
When to Execute	01:00 AM
Days to Execute	MTWHF (MTWHFSU)
Turn Execution Off	<input type="checkbox"/>
Send Output to	Managed Connection
	SIRAS SFTP Server
Path	3331625_Demographics.csv
Field Delimiter	Comma
Record Delimiter	CRLF
Sort Order	0
First record of file is "number_of_records=" *	<input type="checkbox"/>
Include "upload_type=" **	<input type="checkbox"/>
Attendance-Specific Settings:	<input checked="" type="radio"/> Send any attendance modified in last 24 hrs <input type="radio"/> Send attendance modified since last upload <input type="radio"/> Send attendance modified between these dates: From 0/0/0 To 0/0/0 <input type="radio"/> Send all attendance to date
Student-Specific Settings:	All current students at the school are automatically sent.
E-Mail completion report to (Separate multiple addresses with commas)	
Fields to export:	Attendance Field list: STATE_STUDENTNUMBER STUDENT_NUMBER FIRST_NAME LAST_NAME DOB MIDDLE_NAME [SCHOOLS]ALTERNATE_SCHOOL_NUMBER *(Decode:1;1;10;) DISTRICTOFRESIDENCE
<input type="checkbox"/> Duplicate this AutoSend record to all schools on this server (use only when creating a new AutoSend record)	
* The first record of the export will be the text "number_of_records=" followed by the number of records to be exported. ** The first or second record of the export will be the text "upload_type=" followed by the upload type.	
<div>Delete Submit</div>	

3. Enter the required data
 - a. Name of AutoSend
 - b. Select "Students"
 - c. Choose the time the AutoSend should run. Coordinate this time with SIRAS.
 - d. Enter the days the AutoSend should run. Sunday is "U".
 - e. Select "Managed Connection" and the managed connection you set up in the first step.
 - f. Enter the desired name of the file. Coordinate the name with SIRAS.
 - g. Select "Comma".
 - h. Keep the default "CRLF"
 - i. Paste the field list here. Ignore the "Fields to export" pull-down.
4. Submit.

Testing the AutoSend

1. System > AutoSend Setup

AutoSend Setup

New				
Name	Time	Day(s)	Enabled	Execute
SIRAS nightly demographic upload	01:00 AM	MTWHF		Run Now
SIRAS test	12:00 AM	MTWHF	✓	Run Now
Students Database Extension Test	12:00 AM			Run Now

2. Click the "Run Now" link for the AutoSend.
3. Use an FTP client to verify that the file has been created and uploaded. Verify that the contents of the file are as expected.