

American Public Human Services Association







FTP Interface



FTP Interface process

NEICE environment will have a SFTP server running for the states to submit the Child and Placement Resource information to NEICE. Every state would receive their username and password to the SFTP server that would be used to connect to the server. The sftp server will use a self-signed certificate primarily for encrypting the transfer and most of the SFTP clients would accept the certificates presented during the connect process.

The FTP root for each user will have 4 directories as below

-  Upload
-  Output
-  Processed
-  Download

The state would place the file being transmitted to NEICE inside the Upload folder. The uploaded files can be named as per the requirements of the state and has no bearing on the processing. But the following would be a preferred file naming convention.

- For the Child file : <STATECODE>_NEICE_CHILD_EXCHANGE_<date>_<time>.csv
 - <STATECODE> : 2 letter state code
 - <date> : format YYYYMMDD
 - <time> : format HHmm (in hours)
- For the Placement file : <STATECODE>_NEICE_PLRES_EXCHANGE_<date>_<time>.csv
 - <STATECODE> : 2 letter state code
 - <date> : format YYYYMMDD
 - <time> : format HHmm (in hours)

A timer process will scan the directory on the specified time and look for newly uploaded files and process them. The system will process the files and move all the processed files under the processed folder for a few days, for the sites to look at the files if needed after processing. The older files after the retention period will be archived or deleted.

The results of the processing will be written to a file under the OUTPUT folder. For every file processed there would be a corresponding output file that is created under the output folder. The output file will be the Original uploaded filename with an extension of “SUCCESS” for a successfully processed file or an “ERROR” for any failures in the uploaded process. The contents of the file will give more details about the total number of records processed in case of the SUCCESS and all the error messages in case of any failures.

Eg. If the original file uploaded was WI_NEICE_CHILD_20140512_1448.csv then the output file will be: WI_NEICE_CHILD_20140512_1448.csv.SUCCESS for Success and WI_NEICE_CHILD_20140512_1448.csv.ERROR for failure.

The daily download of any child or placement resource information updated on NEICE will be downloaded in a CVS format and placed in the Download folder. The naming convention of the files will be similar to the structure proposed above.

Interface Testing Details

Test Server details

SFTP Test server IP : 50.73.219.211
SFTP Test server Port : 22

The states will be receiving their individual FTP username and password along with this documentation.

There is a small web page that has been created for the sites to verify the data that has been uploaded by using the Verifier URL that will be provided separately along with the FTP credentials.

Appendix A: Sample Output

1. Example contents of a Success file.

Filename: NEICE_PLRES_20140512_1448.csv.SUCCESS

[PLRES_LOAD_SUCCESS]: Successfully loaded (2) records.

2. Example contents of a Error File

Filename: NEICE_PLRES_20140512_1448.csv.ERROR

[INVALID_DATA_STRUCTURE]: The PLACEMENT RESOURCE input file structure is invalid. Missing fields
AgencyName

Appendix B: Error Codes and Messages

All messages will be of the format

[<code>]:<Message>;

E.g. [UNAUTHORIZED_CLIENT]:Client not authorized to perform this operation.

Error Code List

Error Code	Error Messages
INVALID_DATA_STRUCTURE	The CHILD input file structure is invalid. Missing fields {0};
INVALID_DATA_STRUCTURE	The PLACEMENT RESOURCE input file structure is invalid. Missing fields {0};
STATEID_MISSING	Missing StateID for Child with Name {0} {1};
NAME_INCOMPLETE	Child Name is incomplete for child with ChildID {0};
CHILD_RACE_MISSING	Race is missing for child with ChildID {0};
STATEID_MISSING	Missing StateID for Placement Resource with Name {0} {1};
NAME_INCOMPLETE	Placement Resource Name is incomplete for child with ChildID {0};
PLRES_RESOURCETYPE_MISSING	Missing ResourceType for Placement Resource with id {0};
PLRES_AGENCYNAME_MISSING	Missing AgencyName for Placement Resource with id {0};
PLRES_COUNTY_MISSING	Missing County for Placement Resource with id {0};
PLRES_TYPEOFCARE_MISSING	Missing AgencyName for Placement Resource with id {0};
CHILD_INSERT_ERROR	Error inserting Child into Database for ChildID {0} - {1};
CHILD_UPDATE_ERROR	Error updating Child record in Database for ChildID {0} - {1};
CHILD_ASSOCIATION_INSERT_ERROR	Error inserting Association Record Child into Database for ChildID {0} - {1};
PLRES_INSERT_ERROR	Error inserting Placement Resource into Database for State PlacementResID {0} - {1};
PLRES_UPDATE_ERROR	Error updating Placement Resource record in Database for State PlacementResID {0} - {1};
CHILD_ASSOCIATION_INSERT_ERROR	Error inserting Association Record into Database for State PlacementResID {0} - {1};
CHILD_ASSOCIATION_UPDATE_ERROR	Error updating Association Record into Database for State PlacementResID {0} - {1};
MISSING_CLIENT_CONFIGURATION	Client not configured. Please contact Administrator.;
MISSING_CLIENT_APIKEY	API Key cannot be located in the request.
UNAUTHORIZED_CLIENT	Client not authorized to perform this operation.
INVALID_CLIENT_APIKEY	API Key located in the request is not valid. Key Provided {0}. Service Called from {1} - {2};
UNAUTHORIZED_CLIENT_LOCATION	Call to the service was made from an unauthorized location. Service Called from {0};