Easy File Loader

Batch File Loader
PS_FILELOADER
Application 9656
DNAapp ID 503d663a-9c99-4213-b712-92ea4cfa413b

Fiserv Confidential: Distribution restricted to:

- Clients using or considering purchase of the product described in this document
- Fiserv associates

©2005 - 2021 Fiserv, Inc. or its affiliates. All rights reserved. This work is confidential and its use is strictly limited. Use is permitted only in accordance with the terms of the agreement under which it was furnished. Any other use, duplication, or dissemination without the prior written consent of Fiserv, Inc. or its affiliates is strictly prohibited. The information contained herein is subject to change without notice. Except as specified by the agreement under which the materials are furnished, Fiserv, Inc. and its affiliates do not accept any liabilities with respect to the information contained herein and is not responsible for any direct, indirect, special, consequential or exemplary damages resulting from the use of this information. No warranties, either express or implied, are granted or extended by this document.

http://www.fiserv.com

Fiserv is a registered trademark of Fiserv, Inc.

Other brands and their products are trademarks or registered trademarks of their respective holders and should be noted as such.

Overview:
The purpose of this application is to emulate the load functionality Core FileLoader using an SQR program that can be scheduled and run using DNA Core Batch Processing.

Note: PS_FILELOADER (as well as Core FileLoader) does not directly load files. It runs other .sqts and stored procedures that do all the file loading and processing.

This application will allow organizations to automate additional back office functionality. Once the files are loaded, they will appear in the Core FileLoader screens and organizations will have the same operational capabilities as files loaded in the conventional manner.

PS_FILELOADER is commonly used with the Appworx Automation software.

The report generated from PS_FILELOADER (PS_FILELOADER.lis) is placed in the normal batch file report folders.

Key Benefits:
This DNAapp will allow clients to automate the file load process within DNA, eliminating the need to manually load files.

Processing:
PS_FILELOADER requires an Oracle User to run the .sqts that load and process the files. There are two options as to where PS_FILELOADER gets or generates the Oracle User.

1) Normal Processing, PS_FILELOADER uses the Core Application User Id and Password. This method requires the Core Application Password to be un-encrypted. The User Id (typically “COREUSER”) / Password and Database Name is located in SAF.PRODDATASTOREPROP.
2) Alternate Processing, PS_FILELOADER creates a Temporary Oracle User Id and Password. This User Id is named R****** where “*” is a random generated number. This Temporary User Id is deleted just before PS_FILELOADER exits. Note: If PS_FILELOADER aborts, these users will remain in the database and can be manually deleted.

The default processing for in-house users is “Normal Processing”. Default processing for Data Center is “Alternate Processing”

The default processing can be overridden by placing one of two overrides in the “Processing (PROC)” runtime parameter:

1) “BATCHUSER” forces PS_FILELOADER to use the Core Application User Id and Password (Normal Processing)
2) “TEMPUSER” forces PS_FILELOADER to create and use a Temporary Oracle User Id and Password (Alternate Processing)

System Options:
The Following Bank Options are used and must be set correctly:
- “RPTS - Online Report Directory”
- “BATS - Batch Report Directory ”
- “BATP - PS Batch Report Directory”
- “RPTT - Report Target Directory”
- “BATE - EXTNS Batch Report Directory”

Appworx Configuration:
When using Appworx, specific permissions must be set on temp folders on that station or the Appworx windows agent station. The folder name is located in the system TEMP environment variable. Appworx, during runtime, has the ability to temporarily override the value of this TEMP variable. When this override is set, this variable is hardcoded to “c:\temp”.

The Core applications IPS_LDFL and EF_LDFLE write temporary files in this folder.

When using Appworx the PROC runtime parameter should be used to identify runtime problems. Common entry would be: 0,-1,-2,-3,-4,-99

Report Name Options:
PS_FILELOADER can rename the report files generated from the load applications that it runs. The file type and file number can be appended to these report file names. Review the Report Name Option (8RNO) and Alternate Report Path (8ARP) runtime parameters for details.

New Error Processing
When the .SQT aborts, the application will now print the SQT error message on the report. If the return codes are used in the PROC parameters, the application will use the 6th return code in the list as: 0,-1,-2,-3,-4,**-99**

Runtime Parameters:

Parameter	Code	Description (How Used)	Required	Default
Processing Options	PROC	Provides a method to assign .SQT return codes based on the File Status. Entered as “0,-1,-2,-3,-4,-99” where the statuses entries are LOAD, PEND, DUP, RJCT, TBL, Unknown. If the file status is “DUP, the return code will be “-2” TEMPUSER, BATCHUSER These options are described above NOX This option is described above	N	<Blank>
Input File Path	IPTH	Complete path name where input file is located.	Y	<Blank>
Input File Name	IFLE	Name of input file with transactions	Y	<Blank>
External File Type	FT	Provide the file type to be loaded, for example: ACH, INC, etc…	Y	<Blank>
Alternate Report Path	8ARP	The alternative path location to save the report. Empty or Null – works as it does now. Enter 4 Character Bank Option Path Code like “RPTT” – append the date/que to the Bank Option path for example: (Bank Option path = “g:\osi\rpts\” will be g:\osi\rpts\20100202\1234\) Enter “QUEFOLDER” – will place the .Lis files in the same folders as PS_FILELOADER’s .Lis report If an invalid 4 Character Bank Option Path is entered, defaults to “RPTS” Hard Coded Path – will use as is, Example (c:\temp\rpts reports will be placed there) Note: Some File Type Applications do have the ability to override where it is told to place the .lis files.	N	<Blank>

Parameter	Code	Description (How Used)	Required	Default
Report Name Option	8RNO	Ability to try to rename the reports from the applications to include the file number and file type. Option “1” Include the File Number in report name like: ef_ldfle_1234.lis Option “2” Include the File Type Code and File Number in report name like: ef_ldfle_INC_1234.lis Will only work if the originating application creates the reports using the original format i.e. ef_ldfle.lis or ips_ldfl.lis If anything other than 1,2 is entered, defaults to blank.	N	<Blank>

SQT Runtime Switches

The following sqr7wt.exe command line switches have been added, as a default.
These switches were added to resolve a problem with Windows Server 2016

Switch	Description
-XI	Prevents user interaction during a program run. If an ASK or INPUT command requires user input, an error message is generated and the program ends.
-XMB	(Microsoft Windows) Disables the error message display so that you can run a program without interruption from error message boxes. Error messages are sent to an .err file. See the -E flag.
-XCB	(Microsoft Windows) Does not use the communication box. Requests for input are made in Microsoft Windows dialog boxes.

Your PROC parameter should look something like:

```
“0,-1,-2,-3,-4,-5,-99”
```

If these switches are causing problems, enter NOX in the PROC parameter to remove the defaults: –XCI –XMB –XCB

```
“0,-1,-2,-3,-4,-5,-99 NOX”
```

Report:

```
                                                    REPORT PARAMETERS

                 Alternate Report Path: 2
                 Report Name Option:
                 External File Type:  INC
                 Input File Name:  INFILE.TXT
                 Input File Path:  C:\USERS\DOWNLOADS\
                 Processing Options: 0,-1,-2,-3,-4,-99

Bank:    Test Database                                  PS Batch File Loader                          Run Date:  01-30-2014
Report:  PS_FileLoader                                                                               Post Date:  01-30-2014
                                                                                                        Page:  1 of 1


    Online Report Folder: G:\OSI\ONLRPTS\20140130\ONLINE\
    File Number: 12181
    Exe Path: G:\OSI\Bank\DLL\SQR7WT.EXE       0


    PS_INC.SQT                          0   0    G:\OSI\BANK\BAT_EXE\PS\
    proc_IPSWAREHOUSELOAD.SQL           0
    IPS_LDFL.SQT                        0   0    G:\OSI\BANK\BAT_EXE\
                                                 G:\OSI\ONLRPTS\20140130\ONLINE\IPS_LDFL_INC_12181.lis

    File Status: LOAD - 0
```

Configuration Checklist:

Item	Test Environment	Production Environment
Parameters		

Installation:

Note: If you obtained this application from the AppMarket, please disregard the installation instructions below. If you did not obtain this application from the AppMarket, please complete the installation instructions below.

- Copy PS_FILELOADER.SQT to the Batch Process to the PS batch application directory; the location specified in the PS Batch Report Directory ‘BATP’ Institution Option.
- This application requires the running of the script PS_FILELOADER.SQL (Setup Script): Copy this file to any directory accessible to the applicable SQL application (SQL Developer, PL/SQL Developer, etc.) You need to run the setup script to register the application.
  The following stored procedures must be loaded:
  - PACK_PS_COMMON_PACK_WRAP.SQL
  - PACK_PS_COMMON_PBOD_WRAP.SQL
- This application requires an Authorization Key. After the primary installation instructions have been completed, you must apply the supplied Authorization Key for this application.

  To enter the Authorization Key: Go to Services >> System >> Institution >> Applications >> Application Manager.

Processing Errors:

- If the file does not exist where stated, we will raise error 99 - “Error Opening File: file path\file name” where file path\file name equals the values given in the parameters.
- If a file processing application cannot be found in either the BAT_EXE or PS directory, we will raise error 98 - “File application SQT not found.” where application sqt is the designated application to run in FileTypAppl.

Revisions:

Date	App Version #	Change
10/2021	1.0.0.3	Add validation for Input File Name and Input File Path. Removed Fatal error handling for ExtFile Insert which was causing to generate .spf file.
09/2021	1.0.0.2	Changed reference to AppMarket
08/2020	1.0.0.2	Changed label to Fiserv Confidential
02/2020	1.0.0.2	Added testing for sqt errors, print error message on report Updated return code on sqt error. Added additional sqr7wt switches
02/2018	1.0.0.2	Documentation update - Added Fiserv Confidential Label
01/2016	1.0.0.2	Doc format changes from validation review
10/2015	1.0.0.2	Validation Changes to Source, Doc and Sql
10/2015	1.0.0.2	Added ability to reference the EXTNS folder
03/2015	1.0.0.1	Restored creating temp oracle user and added TEMPUSER, BATCHUSER Options
08/2014	1.0.0.1	Mask batch User Id and password when getting an error running a file load application
01/2014	1.0.0.1	Updated Important notes in documentation, reformatted
10/2012	1.0.0.1	Updated Important notes in documentation
03/2012	1.0.0.1	Changed internal password / User Id / database name processing
01/2012	1.0.0.1	Added More Error Handling
02/2010	1.0.0.0	Changed how the .lis files are named. Added alternate report path.
10/2008	1.0.0.0	Changed AW to AWPS for Data Center Usage
05/2008	1.0.0.0	Added code for Bank Option DC and AW, set random seed generator to fff.
03/2008	1.0.0.0	Added code for PS_EF_LDFILE and PPS_IPS_LDFL (removed in later release)
02/2007	1.0.0.0	Modified for DNA
05/2005	1.0.0.0	Added Error message if file does not exist, and ability to get an SQT file from the PS directory (will check BATP then BATS for the file).