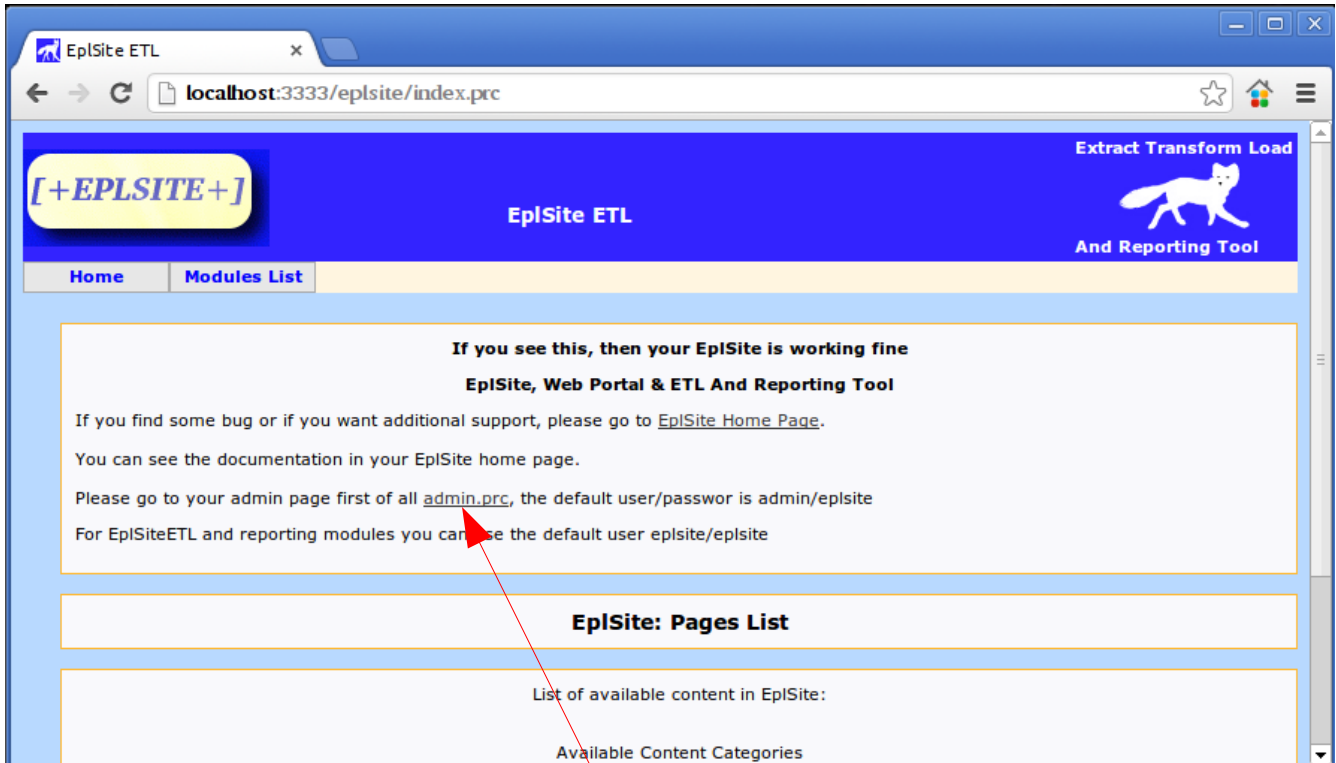
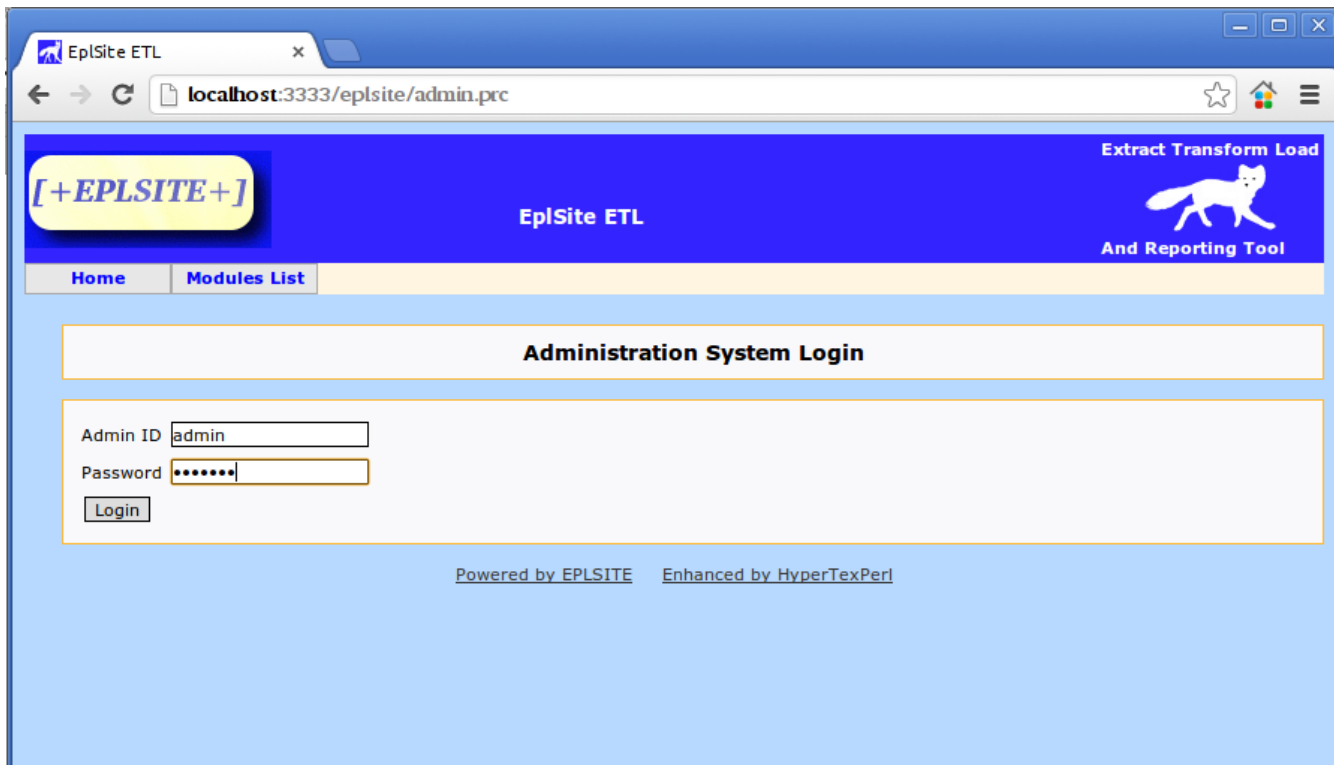


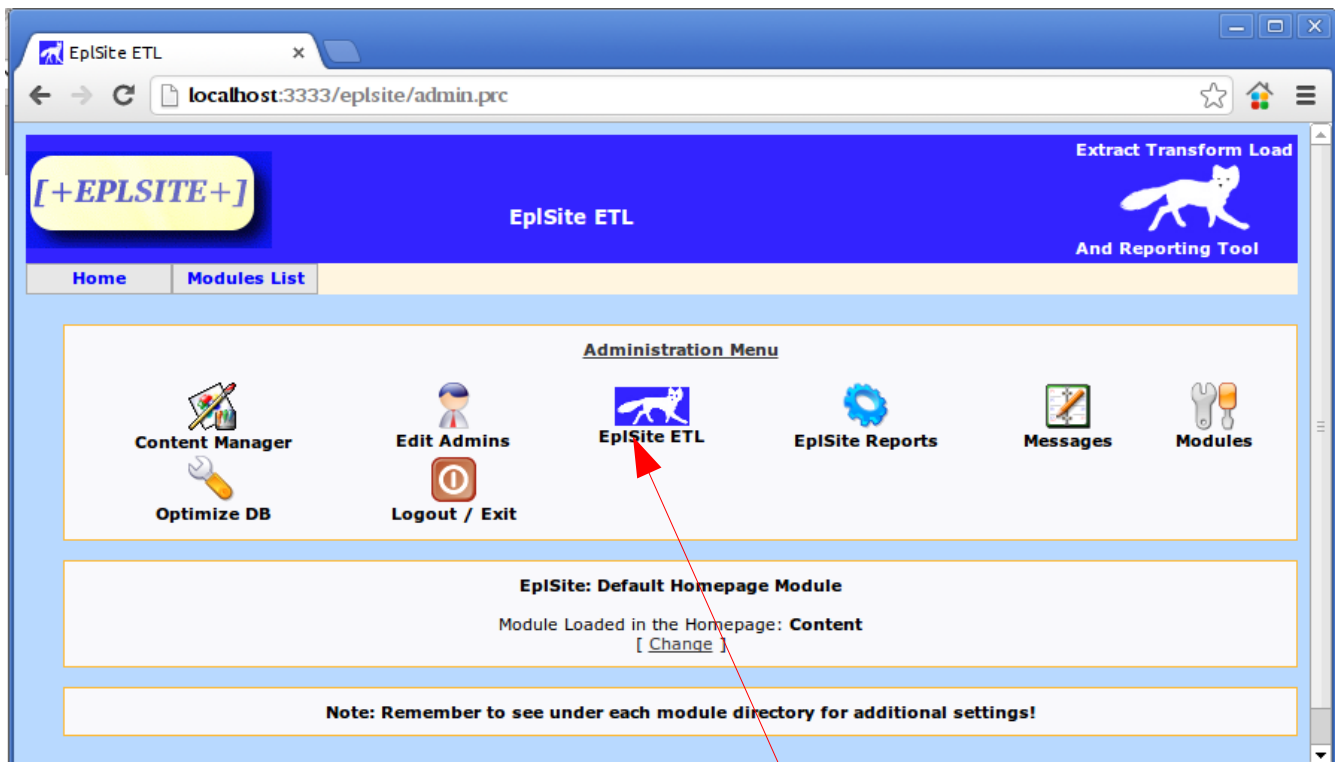
Creating a data a basic transformation step by step:



From the main screen go to admin page clicking on

Enter user and password admin/eplsite and click Login:





Click on EplSite ETL to go to administration screen of EplSite ETL.

Scroll Down until DataBase Connections Maintenance and create your database connections for source and target, remember that the subroutine name must be the same than the connection name.

DataBase Connections Maintenance.

Connection Name:

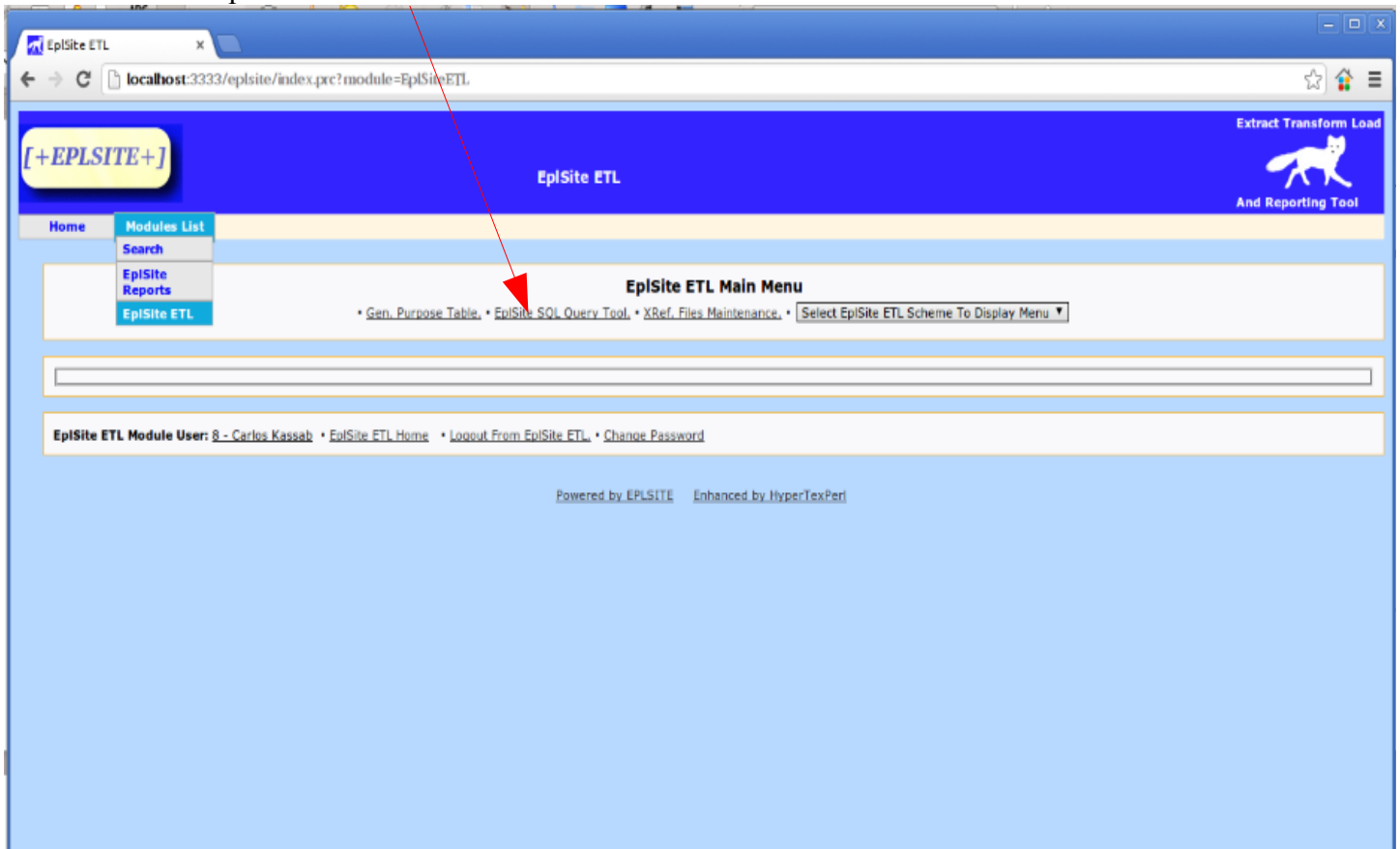
Connection Script:

```

1 sub EplSiteETL_SQLite2
2 {
3     my $DSNUserName = "";
4     my $DSNPassword = "";
5     my $DSNDBData = "DBI:SQLite:dbname=".$globalp->{eplsite_path}."/Storage/EplSite.sqlite";
6     my $DSNConnection = DBI->connect_cached($DSNDBData,
7         $DSNUserName,$DSNPassword,
8         { RaiseError => 1, AutoCommit => 1,
9           sqlite_use_immediate_transaction => 1})
10    or die "Cannot connect to $DSNDBData";
11    return($DSNConnection);
12 }

```

You always could test your connection from Database Connection Maintenance or go to EplSite SQL Query Tools inside the EplSite ETL Module:



OK, next step to create the transformation:

Scroll down to ETL Schemes Maintenance, enter Scheme Code and description, select the database connection where your catalogs for validation will be, here we will use the same database connection we just created. You can delete the Script For Additional Menu Option if not using any additional variable in your menu.

A screenshot of the 'ETL Schemes Maintenance' form. The form has a title 'ETL Schemes Maintenance' and a description: 'An ETL scheme contains a menu of all the transformations created. Here you can add fields to the scheme menu.' It contains several input fields: 'ETL Scheme Code:' with the value 'StepByStep', 'ETL Scheme Description:' with the value 'Step By Step Sample', and 'Data Base Connection For Catalogs:' with a dropdown menu showing 'EplSiteETL_SQLite2'. Below these fields is a section titled 'Script For Additional Menu Options:' with a text area containing two lines of code:

```
1 echo('<tr><td> <strong><big>.</big></strong> <b>Sample Field:</b>'
2 . '<input type="text" name="samplefield" value="" size="3"></td></tr>');
```

Click on add etl scheme and you will have a new etl scheme, it is like a container for scripts.

We are using sqlite so if we run this query(select * from sqlite_master) on the new connection EplSiteETL_SQLite2 we will have all the tables in our database:

The screenshot shows the EplSite Query Tool interface in a web browser. The URL is localhost:3333/eplsite/index.prc?module=EplSiteETL&option=execquery. The interface includes a query editor with the text "1 select * from sqlite_master|". Below the editor is a "Results Pane" displaying a table with 5 columns: Seq., type, name, tbl_name, and rootpage. The table contains 3 rows of data. The first row shows a table named "eplsite_modules". The second row shows an index named "sqlite_autoindex_eplsite_modules_1". The third row shows a table named "sqlite_sequence".

Seq.	type	name	tbl_name	rootpage
1	table	eplsite_modules	eplsite_modules	2
2	index	sqlite_autoindex_eplsite_modules_1	eplsite_modules	3
3	table	sqlite_sequence	sqlite_sequence	4

we can see we have eplsite_modules table, we are going to extract data from this table and export it to a file, we could import it into GENERAL_DATA table, this general_data table is a table included in eplsite etl which contains 100 fields so, it can be used to import almost any kind of data and if you do not have too much data, it will be very useful for your data transformations.

So, going back to the admin panel, we must scroll down until **Data Transformation Definitions Maintenance**. And continue the process:

Enter the main data in the form:

Data Transformation Definitions Maintenance.

Scheme Code:	StepByStep - Step By Step Sample ▼
Transformation Code:	333
Description:	Get EplSite Modules
Show In Menu:	<input checked="" type="radio"/> Yes <input type="radio"/> No
Perl Script Name And Extension To Process This Transformation.:	ProcessLayoutDefinition.prc

Now go down until field: [Perl Script To Build The Query For The Layout](#), this is the query to get the data:

and enter the script to get the data:

Perl Script To Build The Query For The Layout, this is the query to get the data:

```
1 #This is a Perl script sample to filter addresses data, you must changed to fit your needs
2 $MyQuery = "SELECT title, custom_title,active FROM eplsite_modules";
3
4 # At this point you could call the function "get_data_from_main_query($MyQuery)"
5 #to get the data:
6 $QueryDataFound = &get_data_from_main_query($MyQuery);
7 #get_data_from_main_query returns 0 or 1 after processing
8 # 0=Not Data Found, 1= Data Found.
9
10
```

Now in the next field(**Script Before Process Transformation To The Data From Query**), leave as showed:

Script Before Process Transformation To The Data From Query above, this is in case you want do something with the data before processing the layout.
In order to process the layout you must set value to variable \$ContinueProcessingData to 0 or 1 (0=No Process,1=Process)
This variable is used as a condition to process the layout for actual record or continue with next record from query.

```
1 $ContinueProcessingData=1;
```

Scroll down until the button <<Create Data Transformation Definition>> and click on it.

Now go to EplSite ETL menu, we need to set where each field will go in output:

[+EPLSITE+]

Extract Transform Load
And Reporting Tool

Home Modules List

Search
EplSite Reports
EplSite ETL

EplSite ETL Main Menu

• Gen. Purpose Table • EplSite SQL Query Tool • XRef. Files Maintenance • Select EplSite ETL Scheme To Display Menu ▼

EplSite ETL Module User: 8 - Carlos Kassab • EplSite ETL Home • Logout From EplSite ETL • Change Password

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From the main menu, select your new etl scheme from the combo box and you will see the screen below:

[+EPLSITE+]

Extract Transform Load
And Reporting Tool

Home Modules List

EplSite ETL Main Menu

• Gen. Purpose Table • EplSite SQL Query Tool • XRef. Files Maintenance • Select EplSite ETL Scheme To Display Menu ▼

Menu For EplSite ETL Scheme: Step By Step Sample.

• Setup Export Layouts.

• Source DataBase Connection: Select Source DataBase Connection ▼ • Target DataBase Connection: Select Target DataBase Connection ▼

• Layout To Process: Select Layout To Process ▼ or • Independent Perl Script: Select Script To Execute ▼

Only for use when exporting to pipe delimited file db target connection.

☒ All Records ☐ Only Records With Correct XRef. ☐ Only Records With Catalog Entry Not Found.
☐ Only Records With XRef Error. ☐ Records With Catalog Entry And XRef Correct.

Include File Header?
☐ Numeric ☐ Descriptive ☒ Both ☐ No Header

Preview Query?
☐ Yes ☒ No

Execute


EplSite ETL Module User: 8 - Carlos Kassab • EplSite ETL Home • Logout From EplSite ETL • Change Password

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Now click on Setup Export Layouts and you will see the next screen:

[+EPLSITE+]

EplSite ETL

Extract Transform Load

And Reporting Tool

Home

Modules List

Layouts Setup For Scheme:Step By Step Sample

Fields terminated by: Choose File No file chosen

Maintain Data Transformation Scripts (DTS) • Layouts:


EplSite ETL Module User: 8 - Carlos Kassab • EplSite ETL Home • Logout From EplSite ETL. • Change Password

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Now select your new layout from the combo box, click on maintain and create your layout:

[+EPLSITE+]

EplSite ETL

Extract Transform Load

And Reporting Tool

Home

Modules List

Layouts Setup For Scheme:Step By Step Sample

Fields terminated by: Choose File No file chosen

Maintain Data Transformation Scripts (DTS) • Layouts:

Layout Code: 333 - Layout Description:Get EplSite Modules

Seqn.	Field Description	Catalog And Flds Sq. For Validation		Value Type	Value Assigned	Export Field
<input type="checkbox"/> 1	EplSite Modules	<input type="text" value="-----"/>	1 0	Constant Value	EplSiteModules	Yes ▼
<input type="checkbox"/> 2	Title	<input type="text" value="-----"/>	2 0	Query Field	title	Yes ▼
<input type="checkbox"/> 3	Custom Title	<input type="text" value="-----"/>	3 0	Query Field	custom_title	Yes ▼
<input type="checkbox"/> 4	Active	<input type="text" value="-----"/>	4 0	Query Field	active	Yes ▼
5	<input type="text" value=""/>	<input type="text" value="-----"/>	5 0	<input type="text" value="-----"/>		No ▼
6	<input type="text" value=""/>	<input type="text" value="-----"/>	6 0	<input type="text" value="-----"/>		No ▼
7	<input type="text" value=""/>	<input type="text" value="-----"/>	7 0	<input type="text" value="-----"/>		No ▼
8	<input type="text" value=""/>	<input type="text" value="-----"/>	8 0	<input type="text" value="-----"/>		No ▼
9	<input type="text" value=""/>	<input type="text" value="-----"/>	9 0	<input type="text" value="-----"/>		No ▼

Seq.:

Note, you can see that we are using Query Field, this is the name of the query variable or the alias if you are using “as” in your query.

Now just click Save and that's it, we are done with our first data transformation.

Go back to the main menu of your scheme and reload it selecting it again from the combo box to run the data transformation recently created:

The screenshot shows the EplSite ETL Main Menu. At the top, there's a blue header with the EplSite ETL logo and navigation links: Home, Modules List, and Extract Transform Load And Reporting Tool. Below the header, the main menu area contains a dropdown for 'Select EplSite ETL Scheme To Display Menu'. The 'Menu For EplSite ETL Scheme: Step By Step Sample.' section includes several configuration options: 'Setup Export Layouts.', 'Source DataBase Connection' (set to '14 - EplSiteETL_SQLite2'), 'Target DataBase Connection' (set to 'Pipe Delimited File'), 'Layout To Process' (set to '333 - StepByStep - Get EplSite Modules'), and 'Independent Perl Script' (set to 'Select Script To Execute'). There are also radio button options for 'Only for use when exporting to pipe delimited file db target connection.' and 'Include File Header?'. A 'Preview Query?' section with 'Yes' and 'No' radio buttons and an 'Execute' button is at the bottom. A link 'See Log For Transformation Run Number:38' is also present.

Now, select the next field:

Source database connection, that we just created

Target database connection, select pipe delimited file

Layout to process, select the layout code we just created.

For the other form fields, just leave them as shown in the screen above.

Click Execute Button.

The transformation will be executed, here is a screen shot:

The screenshot shows a SciTE text editor window with the file path '/home/laran/tmp/StepByStep_333_GetEplSiteModules.txt'. The editor displays the output of the transformation, which is a list of EplSite Modules with their titles, search status, content, and reports. The output is as follows:

```
1 EplSite Modules|Title|Custom Title|Active
2 EplSiteModules|Search||1
3 EplSiteModules|Content||1
4 EplSiteModules|EplSiteReports|EplSite Reports|1
5 EplSiteModules|EplSiteETL|EplSite ETL|1
6
```


You also can see the transformation log if you click on the link showed below:

[+EPLSITE+]

EplSite ETL

Extract Transform Load
And Reporting Tool

[Home](#) [Modules List](#)

EplSite ETL Main Menu
• [Gen. Purpose Table.](#) • [EplSite SQL Query Tool.](#) • [XRef. Files Maintenance.](#) • [Select EplSite ETL Scheme To Display Menu ▼](#)

Menu For EplSite ETL Scheme: Step By Step Sample.
• [Setup Export Layouts.](#)
• **Source DataBase Connection:** [14 - EplSiteETL_SQLite2 ▼](#) • **Target DataBase Connection:** [Pipe Delimited File ▼](#)
• **Layout To Process:** [333 - StepByStep - Get EplSite Modules ▼](#) or • **Independent Perl Script:** [Select Script To Execute ▼](#)
Only for use when exporting to pipe delimited file db target connection.
☒ All Records ☐ Only Records With Correct XRef. ☐ Only Records With Catalog Entry Not Found.
☐ Only Records With XRef Error. ☐ Records With Catalog Entry And XRef Correct.
Include File Header?
☐ Numeric ☒ Descriptive ☐ Both ☐ No Header
Preview Query?
☐ Yes ☒ No
[Execute](#)
[See Log For Transformation Run Number:38](#)

EplSite ETL - Google Chrome

localhost:3333/eplsite/index.prc?module=EplSiteETL&option=ShowRunNumberLog&runnumber=38

[Close Window.](#) [Reload](#)

RunNumber	DateTime	ETLUser	ETLSchemeCode	TransformationCode	LogMessage
38	20130103160036	eplsite	StepByStep	333	Run Number Creation
38	20130103160036	eplsite	StepByStep	333	Pre-transformation checking.
38	20130103160036	eplsite	StepByStep	333	Connecting data sources.
38	20130103160036	eplsite	StepByStep	333	Executing layout script.
38	20130103160036	eplsite	StepByStep	333	Transformation Running End.

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