

LS-DHIS2 LimeSurvey Plugin

Technical Documentation

Introduction:

This document provides a brief guide to both systems administrators and end users through the process of installing and configuring LS-DHIS2 Limesurvey plugin in a Limesurvey Instance. Some knowledge of the working of Limesurvey is required to configure the plugin. The LS-DHIS2 plugin provides an interface to point to a DHIS2 instance and map all required metadata and data elements to LimeSurvey survey questions. Below shows a brief mapping idea for Integrating Limesurvey Surveys and a

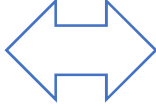
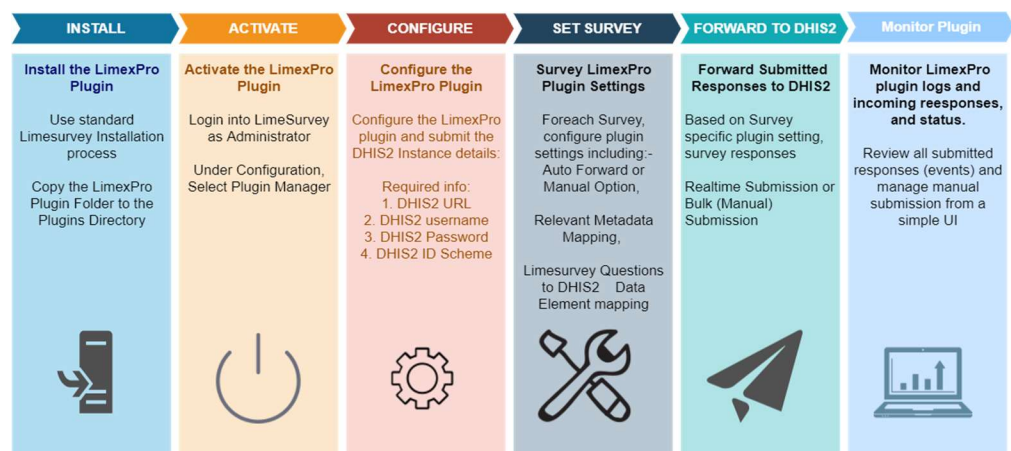
LimeSurvey	LS-DHIS2 Plugin	DHIS2
1 Survey		1 Tracker Program
		1 Tracked Entity Instance
		1 Program Stage
		1 Attribute Option Combo
1 Respondent Organization		1 Organization Unit
Responses		Events
Survey Questions		Program Stage Data Elements

Table 1: Conceptual Mapping of LimeSurvey and DHIS2 Tracker Program

This document describes how to install the plugin, and perform routine configurations to a survey sent out. The plugin also provide an

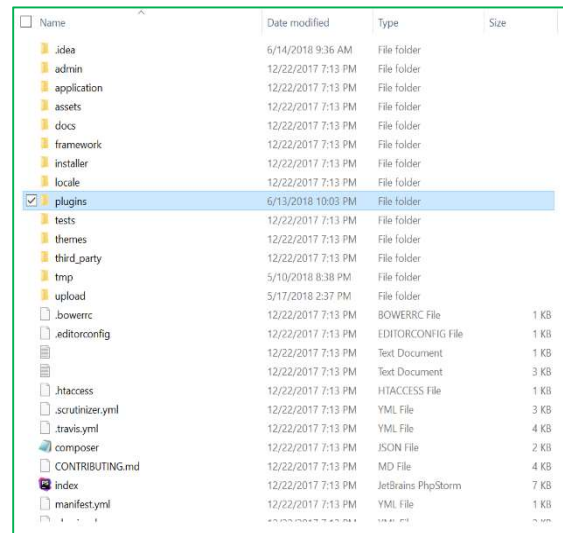


interface to monitor all incoming and sent survey responses from LimeSurvey to DHIS2.

Figure 1: Sumarised Plugin Installation and configuration Process

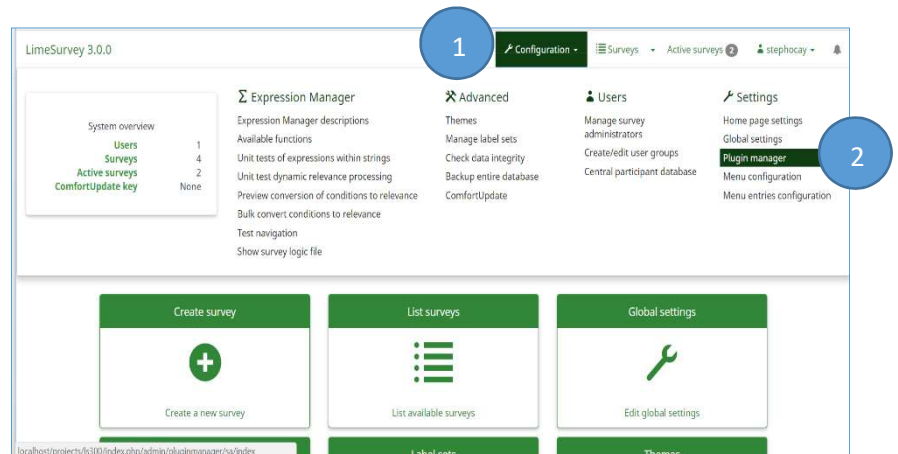
Simplified Installation Steps

- **Ensure you have access right (Read/Write) Permission to the LimeSurvey Installation Directory.**
You should be able to see directory like that on the right.
- Download the **LS-DHIS2 Plugin** from GitHub and extract it into a Folder Name LS-DHIS2
- Copy the LS-DHIS2 directory to the plugins directory within the Limesurvey installation directory
- On the Web browser, access your LimeSurvey Instance e.g. <http://localhost/limesurvey>



Activate and Configure Plugin

- From the Top Menu Bar, Click on Configuration (1), Select Plugin Manager (2)
- Select LS-DHIS2 Plugin to Active, Click on Active Button (3)
- Click Configure (4) to set the required parameters. See 5



Plugin manager

Status	Plugin	Description	Action
<input type="radio"/>	auditlog	Core: Create an audit log of changes	<input type="button" value="Activate"/> <input type="button" value="Configure"/>
<input type="radio"/>	Export results to R	Core: R-export	<input type="button" value="Activate"/>
<input type="radio"/>	extendStartpage	Extended start page view	<input type="button" value="Activate"/>
<input type="radio"/>	LDAP	Core: LDAP authentication	<input type="button" value="Activate"/> <input type="button" value="Configure"/>
<input checked="" type="radio"/>	LimeSurvey internal database	Core: Database authentication + exports	<input type="button" value="Deactivate"/>
<input type="radio"/>	LimexPro	LimexPro - Limesurvey - DHIS2 Integration Plugin	<input type="button" value="Activate"/> <input type="button" value="Configure"/>
<input type="radio"/>	oldUrlCompat	Old url (pre-2.0) compatible system	<input type="button" value="Activate"/>
<input type="radio"/>	STATA Export	Core: Export survey results to a STATA xml file	<input type="button" value="Activate"/> <input type="button" value="Configure"/>
<input type="radio"/>	Webserver	Core: Webserver authentication	<input type="button" value="Activate"/> <input type="button" value="Configure"/>

Displaying 1-9 of 9 result(s) 10 rows per page

LimeSurvey 3.0.0

Settings for plugin: LSDhis2

dhis2

DHIS2 URL:

DHIS2 Username:

DHIS2 Password:

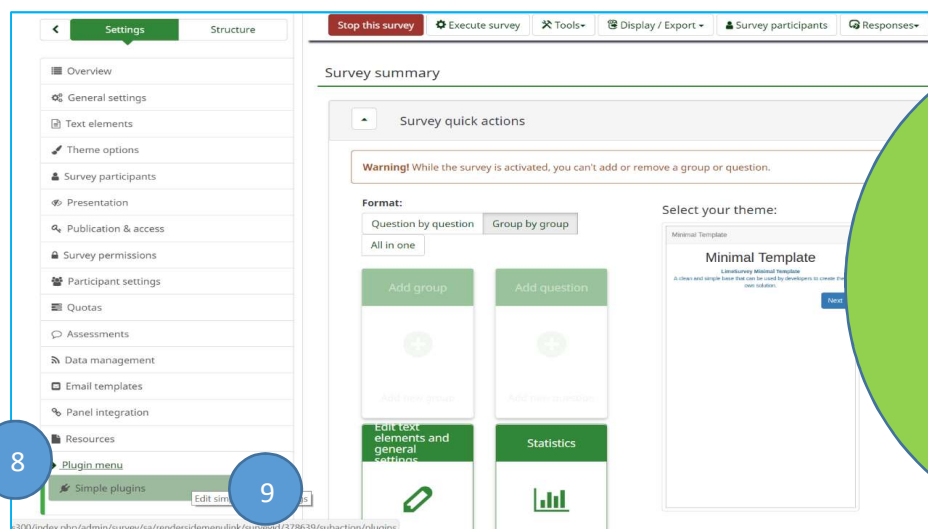
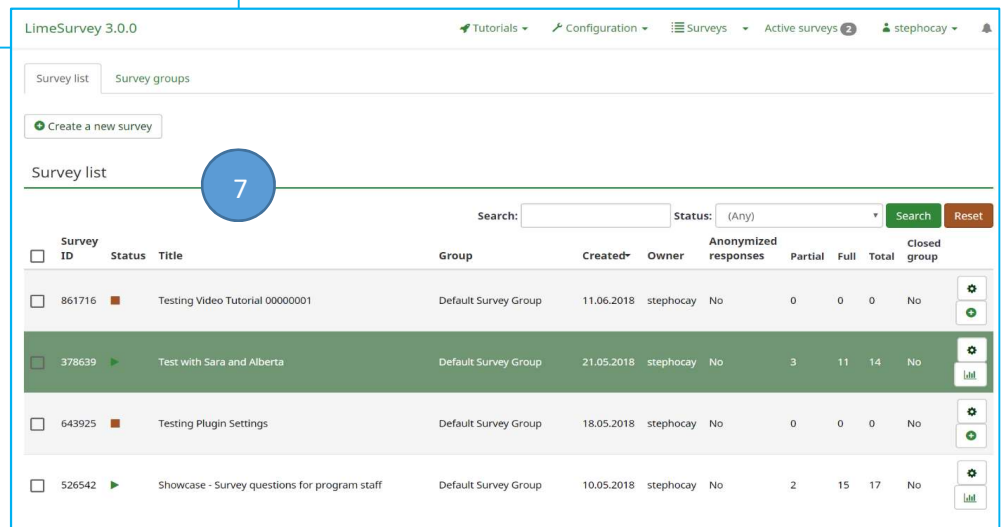
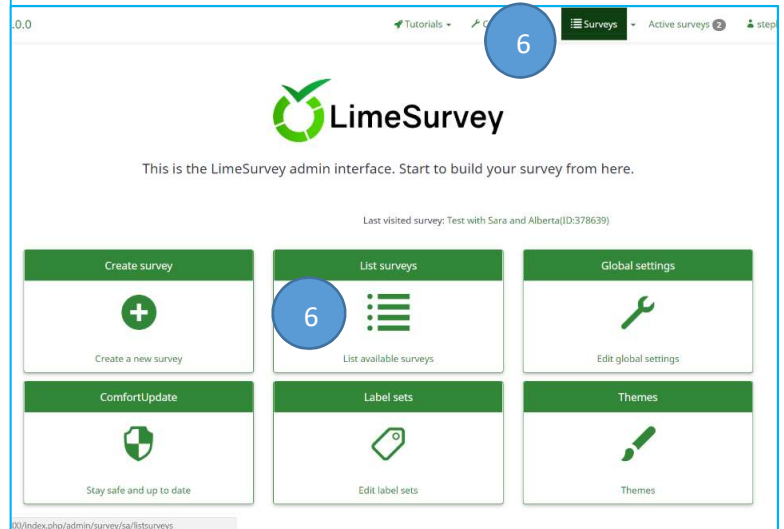
Select System Identifier Scheme:

Manage Survey Specific Plugin Settings

- From the Top Menu Bar, Click on Surveys or List Surveys from home page (6),
- Select a Survey to configure by clicking on a row from the list (7)
- On the Settings Pane, Click on Plugin menu (8) and Simple plugins (9)
- Select Settings for LS-DHIS2 from the list (10) by clicking.

This action will expand the forms(11) for providing all the required mapping

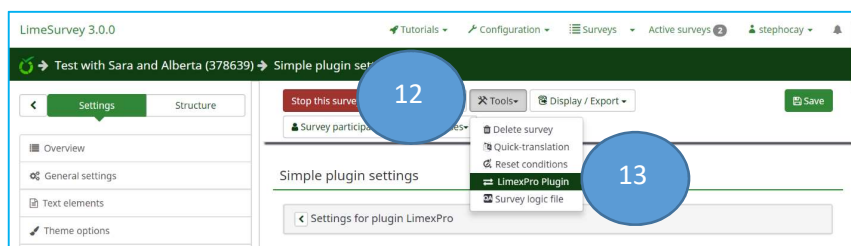
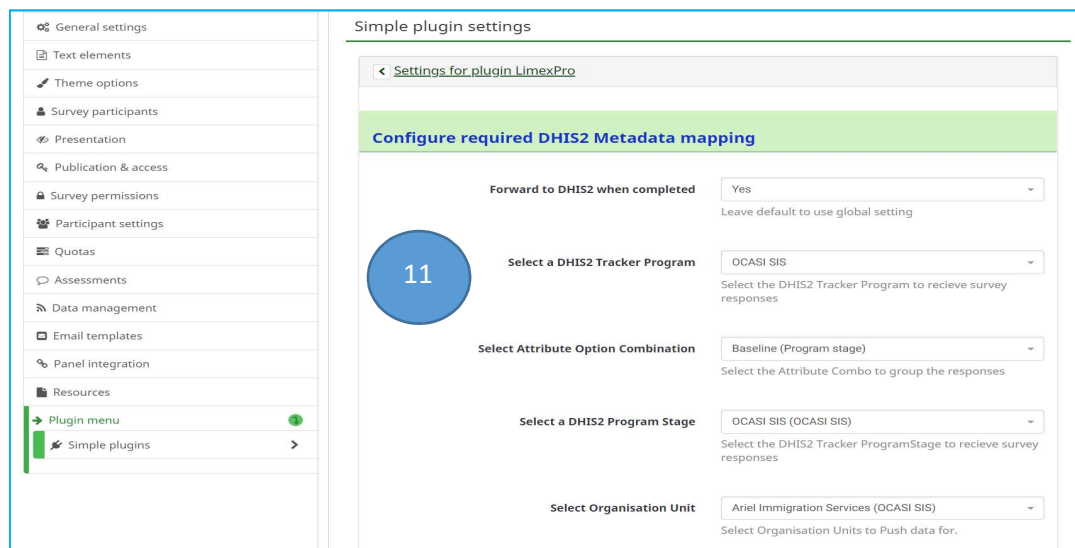
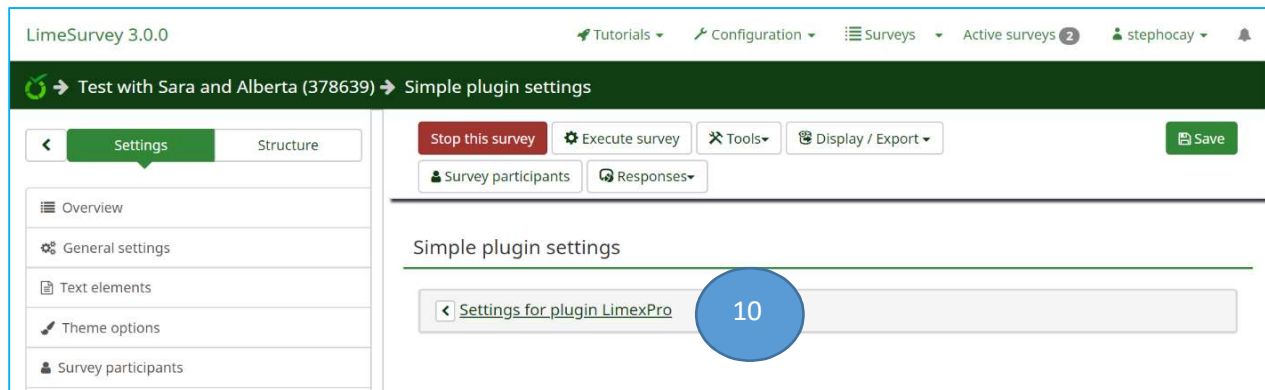
- Metadata Mapping from DHIS2*
- Questions to Data elements Mapping*



Compatibility issues:

LS-DHIS2 Plugins works with LimeSurvey 2.6.4+ and DHIS2 2.26+

TESTED with LS 3.0.0 and DHIS2 2.29



Monitor Responses

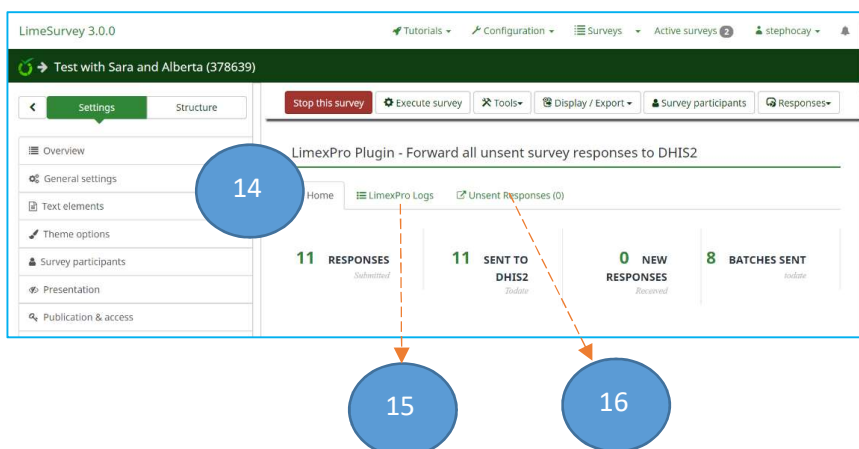
- From a Survey page, select Tools (12) and then LS-DHIS2 Plugin (13). See right

A page will open that will show you a summary of submitted responses and those forwarded to DHIS2 (14)

To View logs, Click on LS-DHIS2 Logs (15)

To View unsent responses and process them, click on Unsent Responses (16). Click send responses to DHIS2 (17) to manually forward responses.

To view an event created in DHIS2, Click on View Event (18)



Test with Sara and Alberta (378639)

Settings

Structure

Overview

General settings

Text elements

Theme options

Survey participants

Presentation

Publication & access

Survey permissions

Participant settings

Quotas

Assessments

Data management

Email templates

Stop this survey

Execute survey

Tools

Display / Export

Survey participants

Responses

LimexPro Plugin - Forward all unsent survey responses to DHIS2

Home

LimexPro Logs

Unsent Responses (0)

15

Show

entries

Search:

#	Response ID	Survey ID	Processing Type	Date Sent	Event Created	Status
1	55	378639	Batch	2018-06-13 22:20:56	View Event	200 OK: Import was successful.
2	58	378639	Batch	2018-06-13 22:20:58	View Event	200 OK: Import was successful.
3	59	378639	Batch	2018-06-13 22:21:00	View Event	200 OK: Import was successful.
4	60	378639	Batch	2018-06-13 22:21:01	View Event	200 OK: Import was successful.
5	61	378639	Batch	2018-06-13 22:21:02	View Event	200 OK: Import was successful.
6	63	378639	Batch	2018-06-13 22:21:03	View Event	200 OK: Import was successful.

Test with Sara and Alberta (378639)

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LimexPro Plugin - Forward all unsent survey responses to DHIS2

Home

LimexPro Logs

Unsent Responses (0)

16

Show

entries

Search:

Send Responses to DHIS2

#	Response ID	Survey ID	Date Submitted	Seed	Lastpage
No data available in table					

Showing 0 to 0 of 0 entries

Previous

Next

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```

<event xmlns="http://dhis2.org/schema/dxf/2.0" href="https://demo.ocasi.sis.ngo/api/events/ms6cPwEn6DN" event="ms6cPwEn6DN" status="ACTIVE" program="A5x6WtsHRx"
programStage="avja8ge3rvn" enrollment="vPR4ZC3meNV" enrollmentStatus="ACTIVE" orgUnit="V3p1xDn1e7K" orgUnitName="Ariel Immigration Services" trackedEntityInstance="sUKrmrYS5FE"
eventDate="2018-05-21T00:00:00.000" dueDate="2018-06-13T20:20:55.630" storedBy="stephocay@gmail.com" createdAtClient="2018-06-13T20:20:55.631" lastUpdatedAtClient="2018-06-
13T20:20:55.631">
  <followup>false</followup>
  <deleted>false</deleted>
  <created>2018-06-13T20:20:55.631</created>
  <lastUpdated>2018-06-13T20:20:55.631</lastUpdated>
  <attributeOptionCombo>H11vX50cXC0</attributeOptionCombo>
  <attributeCategoryOptions>xYerDKCefk</attributeCategoryOptions>
  <optionSize>0</optionSize>
  <dataValues>
    <dataValue created="2018-06-13T20:20:55.635" lastUpdated="2018-06-13T20:20:55.635" value="test new survey" dataElement="qBsNfbOVv8" providedElsewhere="false"
      storedBy="stephocay@gmail.com"/>
    <dataValue created="2018-06-13T20:20:55.636" lastUpdated="2018-06-13T20:20:55.636" value="1" dataElement="tMq07nFBrya" providedElsewhere="false"
      storedBy="stephocay@gmail.com"/>
    <dataValue created="2018-06-13T20:20:55.636" lastUpdated="2018-06-13T20:20:55.636" value="2" dataElement="QNuEjvFWMTt" providedElsewhere="false"
      storedBy="stephocay@gmail.com"/>
  </dataValues>
</event>

```