OpenMRS-DHIS2 Integration Module - User Documentation -
Project Details

This page will explain the purpose of this module and the advantages of using this module when compared to other such modules.

What is the purpose of this module?
In many countries where OpenMRS is used along side DHIS 2, it has been a trouble to maintain two databases to operate both the products simultaneously. So, this module will help the users to import analyzed OpenMRS report data which can be used in DHIS 2.

What is DHIS2?
DHIS 2 is an aggregate indicator system used along with OpenMRS in many countries, manually entering data from OpenMRS reports into DHIS2 has been a source of error. So, this module will automate the report processing and reporting data transmission to DHIS2. It is a tool for collection, validation, analysis, and presentation of aggregate statistical data, tailored (but not limited) to integrated health information management activities. It is a generic tool rather than a pre-configured database application, with an open meta-data model and a flexible user interface that allows the user to design the contents of a specific information system without the need for programming. DHIS 2 and upwards is a modular web-based software package built with free and open source Java frameworks.

Further details regarding DHIS 2 can be found here: http://www.dhis2.org/

How does this module compare with other alternatives?
The present options for the users are either to manually enter the reporting data or to use SQL queries to input the form data. This module is completely automated and requires minimal user interaction. Advantages of the module:

- Disaggregation is completely handled.
- Multiple Servers, This module supports multiple servers, it is useful for DHIS2 administrators who assimilate such statistical data for multiple implementations of DHIS2.
- Supports multiple org units.
- Downloadable Metadata, Metadata from the DHIS2 server is downloaded automatically creating the required Reports, Data Set Definitions, Dimensions, Indicators using DHIS2 REST API.
- Cohort Based Mapping, Cohorts queries are the building blocks of reporting module and hence the mapping of the data would be based on cohort query mapping. (No knowledge of SQL is required to use this module)
- Completely Compatible with Reporting Module.

Skills needed by the users:
This module is created to provide the most user friendly interface and minimal skills are required. The ones required are:

1. Creating new cohorts*
2. Mapping the cohorts from a drop down.**
3. Mapping DHIS2 Org unit to single or multiple OpenMRS locations.**
4. Running the Reports that are completely mapped.**

*Instructions for creation of cohorts are given in the reporting module documentation clearly. Please follow this link to learn the process of building cohorts: Building Reports (Step By Step Guide)#Step1.BuildCohorts

**For the User guide to use this module please follow the child page OpenMRS-DHIS2 Integration Module - User Guide