

Data Warehousing to Support Decision Making – ETL Solution

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ABSTRACT

The University of Reading provides multiple platforms to view course specific data on websites available to internal students and staff as well as the general public. This includes information such as degree specifications, assessments, exam timetabling systems and student and staff contact information. When searching for specific information, the problem that users face is the separation of data amongst a range of different platforms. From a user perspective, viewing the data is a task that generally takes a relatively long time.

The purpose of this feature is to provide an overview of an ETL solution specifically catered towards collecting course information about the School of Systems Engineering, and centralizing all data into a Data Warehouse for reporting and analytics at a later date.

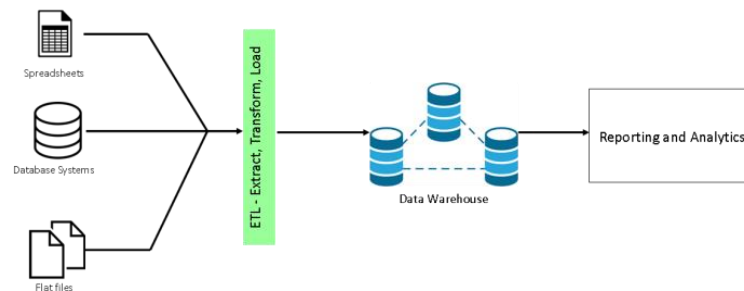


Figure 1. Extract, Transform and Load Solution Process for Data Warehousing

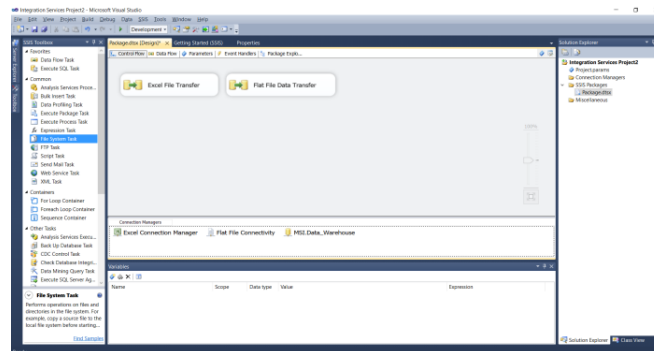


Figure 2. Use of SQL Server Integration Services for Extraction of data sources to Data Warehouse

Joshua Rhoden, Data Warehousing to Support Decision Making – ETL Solution, *Proc. 13th School Conf. for Annual Research Projects*, V F Ruiz (Ed), pp. xx–yy, University of Reading, 3rd June 2014.