B2B Schema Explanation And Process

Technical Guide

Copyright

Caveat

Every effort is made to update user guides to reflect changes for each release. Screenshots are used in the document to provide guidance in completing steps. It is not possible to update every screenshot for every release and therefore the screenshots may not be exactly how they appear on your system.

Contents

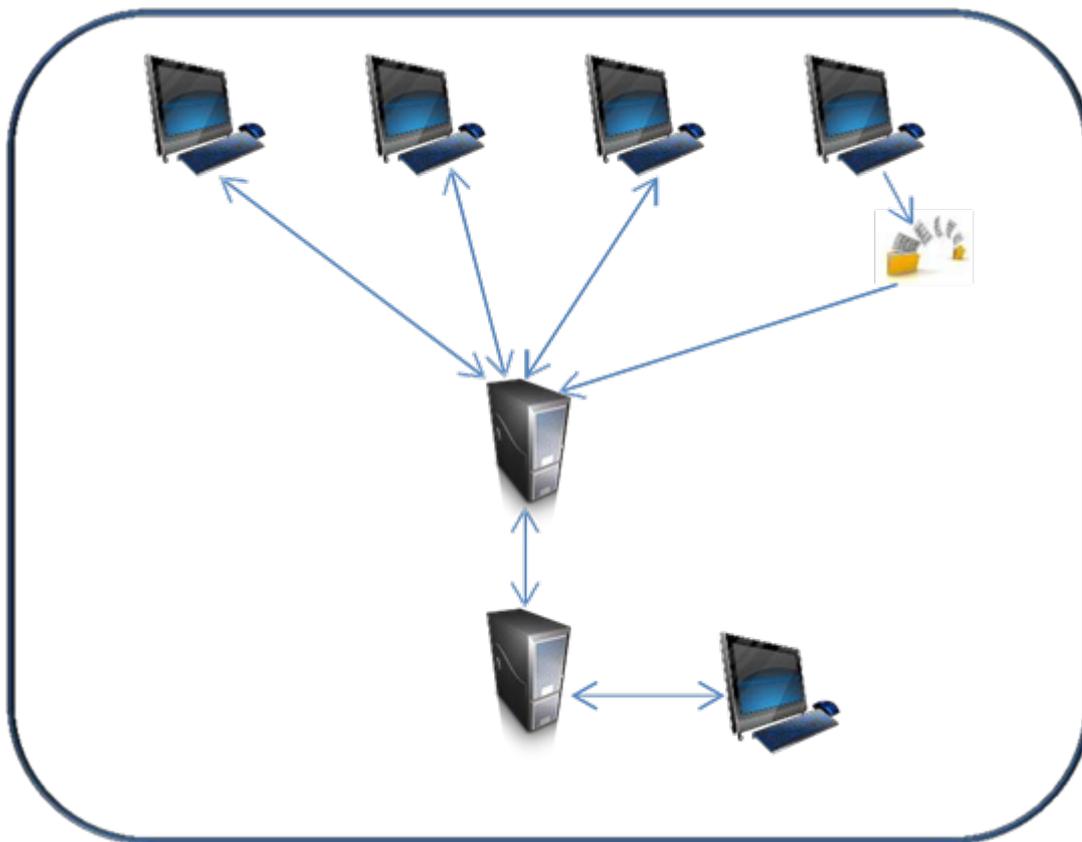## B2B Schema explanation and process

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Introduction

This section is designed to provide a brief overview of the B2B:Student and B2B:Student Open solutions available to support the transfer of Student and Attendance data from Schools MIS systems to the MRI Education solution. The main purpose is to support schools MIS suppliers in the creation of an XML output which is compliant and compatible with the MRI Education solution.

Overview

B2B:Student is an automated data transfer and synchronisation process which has been developed in partnership between Education and SIMS. In recognition of the need to support additional Schools MIS suppliers, Education have developed a B2B:Student Open application which can facilitate the data transfer element of the B2B:Student transfer.

B2B:Student Open is installed on the schools client environment. It picks up any files that comply with the naming convention and posts these to the B2B:Student Web Server at the time scheduled within the application. The configuration of the folders is also controlled within the B2B:Student Open application.

The Education solution is capable of receiving automated data transfers from Schools MIS systems where the output from those systems complies and is compatible with the B2B:Student Schema.

The current solution offers two approaches to the transfer of data.

- A fully automated solution encompassing an automated transfer of pupil and attendance level information on a scheduled basis from the school to the Local Authority – this is B2B:Student Open.
  This involves the Schools MIS provider creating a physical XML file in the necessary format and automates the transfer through a secure FTP connection. These files are then automatically imported in to the database and the information processed according to the data processing rules configured in the Education solution.
- Alternatively, the Schools MIS provider creates a physical XML file in the necessary format and then they take care of getting it to the Local Authority.
  The Local Authority are then able to manually import it into their Education system. The data is processed according to the data processing rules configured in the Education solution.

Once the files are received at the Education side of the solution they are checked for compliance and compatibility and if they are approved the system processes the information. If they fail this validation then the file and the data within it are rejected with an error message.

Both the B2B:Student and B2B:Student Open applications are available to purchase from Education by Local Authorities.

In addition to this guide, a number of supporting guides/files are available to suppliers of Schools MIS systems to enable them to produce a compatible XML output.

- Sample Files
- XML Schema
  Excel spreadsheet, that identifies the XML tags, supported characters in a tag, whether they are mandatory or optional and whether they are repeating tags.
- XSD