OUR SOLUTION

Schools and districts use data that comes from many different applications and sources. The problem is that the data must be re-entered many times into each application via manual data entry. Without some way to integrate the data, keep it up to date, and check it for accuracy, the data the teachers and staff uses every day becomes stale and inaccurate. This wastes time in the classroom for teachers, extra tech support tickets for IT, and frustrated administrators who are trying to analyze and report on the data.

CPSI helps districts overcome these difficult challenges. Our solution collects data from the many different applications in real time, checks the data for accuracy, and standardizes the data for reporting, BI and analysis. We help schools and districts finally leverage all kinds of data – from rosters to assessments to attendance and more—across the entire district.

With CPSI, all of the school and district staff can be confident that the information on their computer or device always reflects the true "picture" of the data in the district. Our solution provides everyone in the district – from students to teachers to superintendents – with the underlying foundation to provide up-to-date and trustworthy information in all of the applications they use.

xDREST

With all of the talk of REST API's and so many different solutions out there, you need a way to manage your data over a REST API. xDREST is a fully functional data layer that allows you to use the power of SQL and an easy to use management console to create and manage role based REST API functions without writing a line of code.

- **CREATE YOUR OWN REST DATA LAYER WITHOUT WRITING CODE**
  Create your own REST API and data layer without ever writing a line of code. Using SQL Stored Procedures and our management interface, you can create as many different API calls as you need to satisfy your goal of providing data securely to outside vendors.

- **GRANULAR SECURITY FOR FULL CONTROL**
  Each connecting application is given their own unique application key. Create unique functions for each connecting application. Setup roles and security for each connecting application. You control what data each application has access to within your system. Define a list of sites and control which applications have access to each specific site in your district.

- **SINGLE REST ENDPOINT FOR ALL FUNCTIONS**
  Utilizing SQL Stored Procedures, xDREST only needs one endpoint to do any work. This means there is no need to upkeep hundreds of endpoints.

- **SCALE OUT BY INSTALLING MULTIPLE INSTANCES IN IIS**
  Supports an infinite number of instances in IIS for scalability and security.

- **LIGHTWEIGHT AND SECURE**
  xDREST is a lightweight, secure application that can be run on nearly any Windows PC, including all current editions of Windows Server and Windows workstations with only the hardware you need to run Windows.

- **RETURNS COMPREHENSIVE RESPONSES EVERY TIME**
  xDREST never returns hard to understand error codes typical in REST services. Instead, xDREST will return a complete and comprehensive object that includes detailed error messages and other useful debugging information. Developers never have to wonder why a call was not successful.

- **EASY TO USE INTERFACE**
  Easy to use interface makes setup and management a breeze. Bring new applications online in minutes with reports designed to give to developers as well as sample code for developers.