xDStudio

An Enterprise Data Warehouse System & Business Intelligence Solution

HIGHLIGHTS

A Highly Scalable, Extensible Solution that Exceeds Expectations

A Longitudinal Data System, or LDS, serves a wide range of stakeholders - from teachers to administrators, parents to legislators, state users to district users. An LDS needs to provide high quality, timely data to all stakeholders. It also needs to ease the data burdens of a district by standardizing and automating data collections and integration. Ultimately, the goal is to enhance education and leverage educational change. The xDStudio suite of products will help guide your organization's stakeholders toward student and staff improvement.

What's Included...

xDStore ®

xDStore functions as a dynamic ODS and data mart builder. It stores data in the standard of your choice.

xDValidator ®

xDValidator is a real-time rules and workflow management engine that is easy to maintain.

xDComposer ®

xDComposer is a robust ETL toolset that generates data for any standard, including SIF, CEDS, and Ed-Fi.

xDMover ®

xDMover is a lightweight and user-friendly data mover.

xDTools ®

Build data cubes, analyze information, and forecast trends with xDTools.

xDUID

Create, manage, and automatically publish unique IDs with xDUID.

xDAdHoc

xDAdHoc is used for ad-hoc reporting. Build dashboards for visualization.

xDStudio is a suite of products that – together – implement a highly scalable real-time LDS. The infrastructure products gather the data, standardize the data, validate the data, and collect it into an Operational Data Store.

CPSI's xDStudio allows for a real-time or near-real-time collection of data, as well as the ability to schedule data collection events as needed. Data collection rules and the collections themselves are centrally managed without any burden on the database owners.

The State will be receiving "All the Data – All the Time", ensuring timely decisions based on real facts.

xDStudio®

The data store products provide organizations the ability to create functional data marts based on user needs. The unique identification product features a solid method for identifying students, reducing duplicates, and ensuring that a student's record is able to be followed longitudinally over time and through schools they attend in the state. The reporting products provide the tools to view data, create reports and dashboards, and analyze the data. The product suite delivers high performance and reliability. And the CPSI staff is highly experienced in large scale data collection and integration deployments.

Standards are important, which is why your organization can choose any standard to collect and store data. SIF (Schools Interoperability Framework) is the most mature standard, and CPSI's standard-of-choice for data collection and the operational data store. From there, the data can easily be transformed to be placed into a CEDS data mart, an Ed-Fi data mart. It is your organization's choice and standards can be "mixed and matched" to meet functional needs.

CPSI provides innovative and dynamic tools for educational organizations. Our flagship product is xDStudio, which is available for both school districts and State Departments of Education. In addition, CPSI delivers Ed-Facts reporting, connection to inBloom, and a variety of SIF products. Visual CASEL gives your district automated identity and AUP management.

FEATURES

- Real time Longitudinal Data System
- Data collections and transformations in real-time
- Operational and transactional data stores
- Collect and combine data from any source, agency, or department
- Create and maintain real-time data validations
- Create functional data marts quickly and easily
- Check for data quality and business rules
- Use any data standard – SIF, CEDS, Ed-Fi, PESC, and others

- Ad Hoc Reporting
- Student Unique ID generation and maintenance
- Business and Education Intelligence tools
- Build relations that do no currently exist in the data mart
- Enterprise-wide data system
- Creates and implements standards for your district's Active Directory
- Error reporting and notifications
- Teacher's Balanced Scorecard available as an option