The eScholar CEDS Solution™

A Proven State Solution for CEDS Implementations Across P20W

With more states seeking to implement the Common Education Data Standards (CEDS), states are also looking for a solution that's proven, flexible, well-documented, and sustainable. With the eScholar CEDS Solution, states can be confident in achieving their CEDS goals for longitudinal data collection, reporting, and analysis across the complete P20W continuum.

Achieve Your State's CEDS Goals with the eScholar CEDS Solution

The eScholar CEDS Solution is a comprehensive data collection, validation, and repository solution that education agencies use to drive local, state, and federal reporting.
With the eScholar CEDS Solution, states can achieve a faster time to implementation of an end-to-end CEDS solution, from data collection to EDFacts reporting.

The eScholar CEDS Solution is composed of the eScholar CDW™, a documented and CEDS-aligned data warehouse, and the eScholar EDFacts Solution™, a proven solution that generates 100% of all EDFacts files.

The eScholar CEDS Solution is a commercial-off-the-shelf (COTS) and flexible solution that can be implemented in full or modularly. eScholar also provides services to ensure success with your state's implementation and long-term success with CEDS.

Quick Facts

Published alignment to CEDS 8.0

Supports 100% of EDFacts files

Enhanced, maintained, and supported by eScholar

Benefits

Faster time to CEDS implementation

Leverage eScholar resources and subject matter experts

Flexible to meet your state's needs

eScholar.
Bringing Data Together

Sample eScholar CDW CEDS Mapping: CTE Cluster Table

145 CTE elements in eScholar CDW

eScholar CDW	CEDS	
CTE CLUSTER CATEGORY		
CTE CLUSTER CODE	Career Cluster	=
CTE CLUSTER DESCRIPTION	Career Cluster	≈
CTE CLUSTER SORT SEQUENCE		
DELIVERY METHOD CODE		
DISTRICT CODE	Local Education Agency Identifier	=
SCHOOL YEAR DATE	School Year	=

= Identical In Intent, With Wording Differences   ≈ Similar In Intent, With Wording Differences

Sample Use Case: Understanding CTE Programs and Participations

The eScholar CEDS Solution includes 145 CTE-specific data elements in 12 tables. Of those 145 data elements, 99 are mapped to a CEDS data element. The remaining 46 data elements are examples in which the eScholar CEDS Solution goes beyond CEDS. In the example here, the CTE Cluster Table, states can enable the collection of additional Career Cluster Data elements not defined in CEDS, such as CTE Cluster Category and CTE Cluster Sort Sequence.

Expertise to Support the Implementation

The eScholar CEDS Solution is fully documented and flexible to meet the unique goals of different states. The eScholar team includes CEDS subject matter experts who are available to provide support and expertise in your state's implementation.

Documentation

The eScholar CEDS Solution is a documented and versioned solution that is updated based on new releases of CEDS and the needs of the customer community. This documentation includes administrator guide, data model diagrams, best practices, API documentation, and more.

With the mapping of the eScholar CDW to the CEDS 8.0, over 4,900 data elements are mapped to CEDS data elements. The eScholar EDFacts Solution has over 1,000 data elements mapped to CEDS data elements. These mappings are publicly available using the CEDS Align tool at https://ceds.ed.gov/.

Service and Support

eScholar's experienced and knowledgeable team supports customers with their implementations. The team includes CEDS subject matter experts who are highly knowledgeable in the CEDS data definitions. These experts also conduct an updated mapping to new CEDS definitions with every CEDS release.

Services and support also include implementation resources, such as project managers, trainers, report developers, and help desk support. The product teams, such as developers, product managers, and analysts, are also available to customers. One of the benefits of the services and support is having access to a team that supports multiple states with their CEDS implementations.

Flexible Implementation Options

The eScholar CEDS Solution has a flexible architecture to meet your state's requirements. This includes flexibility with hosting, loading data, and database platforms.

Hosting

The eScholar CEDS Solution can be hosted on-premise in a hosting center or in the cloud. eScholar can also administer your cloud-hosted environment on Amazon Web Services (AWS) and other cloud services. The solution can also be implemented in compliance with FedRAMP.

Integration

The eScholar CEDS Solution provides a documented REST API for loading data. The REST API includes documentation on how the JSON model maps to CEDS. The REST API also includes SDKs in Java, .Net, and PHP to assist developers in their integration efforts. Data can also be loaded through secure FTP and manual options.

Database Platforms

The eScholar CEDS Solution can be delivered on both Microsoft SQL Server and Oracle platforms. Support for PostgreSQL is also on the near-term roadmap.

Benefits

Cost-effective

Common data language across sources

Sustainable solution that continues to be enhanced

Sample Use Case: Deliver 100% of your EDFacts Files

The eScholar EDFacts Solution is aligned to CEDS 8.0 and automates and manages the tedious process of generating EDFacts files. This allows state EDFacts coordinators to focus on the quality of their underlying data while the software manages the application of thousands of business rules, rollups, aggregations, and file requirements. It also maintains data transformation and calculation logic that reflects the latest business rules and guidance from the U.S. Department of Education. The solution's web-based footprint delivers a user-friendly interface with an end-to-end workflow for the sourcing and aggregation of data, and the creation of files ready for submission to the EDFacts portal.

The solution's data mart stores current and historical EDFacts data for year-over-year comparisons, reporting, and analysis.

Support and Maintenance

eScholar provides comprehensive support and maintenance for the CEDS Solution to ensure your state's long-term success and sustainability of the solution. Support and maintenance include access to periodic updates and enhancements to our software, including enhancements requested by your state and others in the eScholar community. Releases usually include enhancements to one or more of the following: Application functionality, support for new data elements, support for new releases of databases, operating systems, transport layer security, performance and or scalability improvements, and user interface improvements. eScholar also updates the solution documentation with each release.

eScholar will also connect the support requester from a state with a real person with expertise in the support request. There is also a quick escalation process, which connects a Level 2 and/or Level 3 support person.

CEDS and Beyond

With the eScholar CEDS Solution, your state can collect, analyze, and report on more than just CEDS-defined data. In many cases, the eScholar data model can collect data at different levels of granularity that may not be defined in CEDS. The eScholar data model also provides general fact tables that allow the collection of data that may not have a clearly defined place in the data model yet or is a "one-off" collection. These fact tables can be used to store a variety of data, such as state, district, school, location, staff, and students. The data types supported include counts, amounts, percentages and indicators. It also supports aggregated data.

> Over 4,900 data elements have been mapped from the eScholar Data Model to CEDS 8.0.

Email sales@escholar.com or call (877) 328-2969
to discuss how the eScholar CEDS Solution
can help your state achieve its CEDS goals.

About eScholar

eScholar connects data, solves problems, and empowers decisions for education agencies across the country. eScholar's solutions suite includes statewide longitudinal data systems, early childhood integrated data systems, unique identifier systems, matching systems, and more. eScholar's award-winning solutions support the work and education of over 50 million individuals. Learn more at www.escholar.com.

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