

SIF Data Quality Service* (SIF-DQS)

STREAMLINE EDUCATION DATA GOVERNANCE PROCESSES

SIF-DQS provides the SIF Community with processes and tools to manage education data quality associated with a SIF Agent. Users will realize benefits through process improvements with respect to data governance, change management, and production assurance.

An effective education data governance strategy requires accountability to ensure that data assets are formally managed throughout the education enterprise. Accountability requires ownership of the data and regular auditing of data systems. Auditing and identifying the source of data quality issues can be a daunting task, requiring significant time and resources. SIF-DQS streamlines the process of education data governance for the SIF Community. It provides the tools and automation to quickly pinpoint and resolve the root cause of data quality issues such as data mapping mistakes, invalid metadata use, source application bugs, incorrect data entry, and nonconformance to enterprise data standards.

SIF VERSIONS SUPPORTED

- SIF US: 2.0r1 through 3.0
- SIF AU: 1.0 through 1.3
- SIF UK: 1.0 through 1.4



SIMPLIFY SIF AGENT CHANGE MANAGEMENT AND PRODUCTION ASSURANCE

SIF-DQS is a web-based, hosted service that satisfies the unique requirements associated with managing data quality when utilizing the School Interoperability Framework (SIF) Specifications. SIF-DQS provides an efficient and cost-effective solution for performing the following functions associated with managing a SIF Agent:

- **Change Management** – Perform data quality assurance testing when implementing a new SIF Agent or making changes to an existing SIF Agent.
- **Production Assurance** – Monitor real-time data quality associated with a production SIF Agent.

A "SIF COMMUNITY SOLUTION"

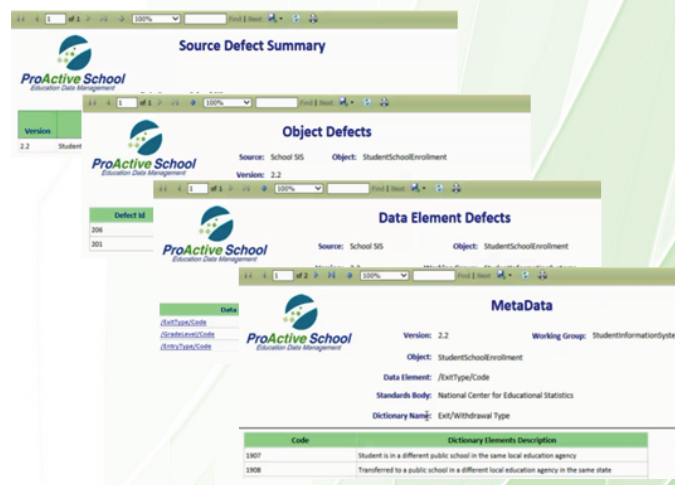
SIF-DQS is a “SIF Community Solution” that is preloaded with the supported versions of the SIF Specification. It is certified under the SIF Certification Program for SIF 2 Enabled Applications. Data quality is assessed based on conformance to the set of rules and definitions designated in the configurable enterprise data standards.

PROCESSES AND TOOLS TO STREAMLINE DATA QUALITY AUDITS

SIF-DQS is engineered specifically to support data quality audit requirements for a SIF Agent. SIF-DQS processes and tools are efficient and effective, whether performing change management or conducting production assurance.

- **Configure Data Standards** - Data standards for the supported versions of the SIF Specification are preloaded in SIF-DQS. The standards are configurable to conform to the needs of a specific SIF Agent data standard.
- **Process Object Transactions** - Process SIF object synchronization, add, change and delete transaction event types in real time.
- **Audit Transaction Data Quality** - Audit the quality of the data published by the SIF Agent based on conformance to the enterprise data standards - version compatibility, metadata definitions, object format, and data element validation rules.
- **Identify Defects** - Identify nonconformities to the enterprise data standards.
- **Categorize Defects** - Categorize defects by defect type and maintain a repository of defects.
- **Send Defect Notifications** - Automatically send defect reports to designated staff based on an enterprise established notification schedule.
- **Analyze Defects** - A series of drill-down reports provide logical views of the details of a defect, leading the user to the root cause of problems.
- **Eliminate Defects** - Eliminate defects by correcting the root cause of problems. Correct the problems at the source to prevent reoccurrence.
- **Verify Corrections** - Reprocess the transactions to verify that the defects have been eliminated.
- **Track and Report Performance** - Track and report performance levels and trends using data quality reports. Reports include Six Sigma performance metrics, defect summaries, aging charts, and trend charts.

DRILL DOWN TO ROOT CAUSE OF DEFECTS



THE SIF-DQS ADVANTAGE

SIF-DQS answers the key questions required to manage the data quality of a SIF Agent. Do objects conform to specified formats? Are all required data elements present? Do data elements conform to specified formats? Are data elements the correct data type? Are the data element values accurate?

SIF-DQS virtually eliminates manual tasks such as producing ad-hoc reports/queries, creating spreadsheet extracts and visually inspecting data. The review process is streamlined by focusing on defects and categorizing them for easy analysis as to the root cause.

The SIF-DQS detection and correction process facilitates elimination of the root cause of defects. Automation and process efficiencies result in improved cycle time to identify and resolve data discrepancies, reduced rework dealing with issues resulting from data problems, and less time spent by staff managing the quality of data for your SIF Agent. All of this contributes to cost savings, and the ability to reallocate valuable resources to enterprise critical activities.

ABOUT PROACTIVE SCHOOL

ProActive School, founded in 2005, is a leading provider of education data management services utilizing the School Interoperability Framework (SIF). ProActive School education data management solutions enable real-time integration of existing applications, standardization of disparate data, and propagation of event-driven communications and notifications through secure, easy to use, web-based interfaces. For additional information, visit www.ProActiveSchool.com or email SIF-DQS@ProActiveSchool.com

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* SIF Data Quality Service is a Certified Product and meets the conformance requirements for a SIF 2 Enabled Application.

The "SIF Certified" Logo is a trademark of the SIF Association.