

## *eScholar Uniq-ID® for Staff Version 2.0*

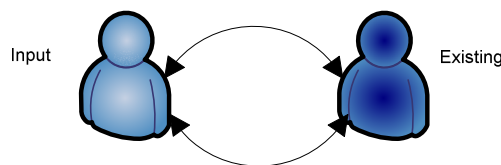
The ability to accurately and reliably report on education staff members has become an increasingly important issue to both the educational community at large and the federal government. The eScholar Uniq-ID® for Staff application (UID Staff) delivers a fully developed and proven application that enables educational agencies to collect staff data, match, de-duplicate and assign identifiers.

UID Staff is a powerful web-based system that can be used at a federal, state or district level. The technology and techniques employed in the UID Staff application have been developed and perfected through many statewide implementations, as well as eScholar's extensive work in cleansing and de-duplicating records in thousands of eScholar data warehouse implementations. eScholar has leveraged this knowledge in combination with a powerful matching technology to address unique identification of staff. In addition to assigning identifiers to new staff members, the system provides an easy interface for users to identify staff members who are already in the system but are registering for the first time in a new location or district. This is an effective way to resolve near matches, to de-duplicate identifiers and to separate identifiers when necessary.

### **System Functionality**

UID Staff assigns a unique numeric identifier to each staff member in the system. These identifiers are randomly assigned, never duplicated, and can be used to track staff records across time, geography and a wide variety of source systems. The identifiers are not constructed using any algorithm related to the staff identification attributes.

UID Staff utilizes staff directory information, including first name, last name, date of birth, gender, ethnicity, and previous last name for matching. To perform the vital matching process, the eScholar Uniq-ID® for Staff application takes advantage of hundreds of matching techniques including Soundex, Edit Distance, Nicknames and many others. In addition, the system has the ability to resolve variations of given names (for example, Jack = John, Bill = William, etc). The system compares the attributes and provides the user with a list of nearly matched records when necessary.



The matching engine compares the input record to all existing students in the eScholar Uniq-ID® for Staff system and then produces a match result of match, near match or no match.

Our meticulous attention to the matching model results in minimal deployment costs, while maximizing the resultant data quality. UID Staff ensures that a single identifier cannot belong to more than one individual and minimizes the possibility that a single person may be assigned more than one identifier.

### Duplicates and Shared Identifiers

One of the most important functions of an identification system should be to minimize the number of duplicate and shared identifiers. A duplicate is an individual who has more than one identifier. A shared identifier is one that has been assigned to more than one individual. Regardless of the cause of duplicates and/or shared identifiers, some small fraction of the staff records registered in UID Staff can turn out to be duplicates and/or shared identifiers.

UID Staff provides easy interfaces for administrators to find, research, and repair duplicates and shared identifiers. When duplicates are found and resolved, a link can be created between the duplicate and the active identifier. This makes it possible to merge historical information that may have been stored with the duplicate. Identifiers generated by the staff application will not be reused, even if they are determined to have been assigned in duplicate. An administrator can *separate* the staff members who are sharing identifiers using an online interface. This allows the user to determine which individual should retain the identifier at issue and which staff members should be assigned brand new identifiers.

### Modes of Operation

UID Staff can be operated in both batch and interactive modes. Batch mode is useful for bringing entire districts into the system. Each district supplies a file of staff member directory information (name, birth date, etc.) to the system and receives a listing of possible matches (near matches) against existing staff members where positive resolution is not possible. Once the near matches are resolved, the system will return the records with the unique identifier.

Interactive Mode is available to users through a web-based interface or Web Services. The web-based interface is useful when staff members are hired in a district for the first time. The administrator can enter directory information and quickly determine if this staff member has previously been provided an identifier. If not, the user can assign an identifier on the spot. Web Services expose UID Staff functionality to other systems developed by the client or other vendor. UID Staff currently supports three Web Service functions: ID Assignment, Near Match Lists, and Near Match Resolution. These services combined allow users to submit staff directory information, assign unique identifiers, review near matches, provide a near match decision, and receive an assigned identifier.

### Other Features

- Configurable system properties
- Ability to assign staff members to multiple locations
- Record-centric batches

## Why eScholar?

- The leader in education data management, providing successful statewide solutions for 11 SEAs, supporting over 3,500 school districts and over 12 million students across the country.
- Focused exclusively on the education data management industry since 1997.
- Comprehensive services, training and support programs to ensure customer success.
- An established, active user community allowing access to best practices, experience, and support from peers nationwide

Today, our products have become the recognized standards in the student and staff identification and educational data warehousing markets. The eScholar Complete Data Warehouse® solution has become an indispensable solution to local and state education agencies for integrating and managing the vast quantity of information they collect on students, programs, teachers and much more. For more information, contact Sales at [sales@escholar.com](mailto:sales@escholar.com) or (877) 328-2969.