Unique Identifier for Staff (Staff UID)For LINQ NC Web-Based Application Users

Staff UID System Overview

- The Unique Identifier for Staff System (Staff UID) will assign a unique identifier to Staff who participate in the North Carolina public school system.
- Unique IDs follow staff between school districts and remain valid even if they move out of state and then return to a NC public school.
- UIDs for K-12 staff members is a key component of providing access to various State and local IT applications, such as the NCEdCloud IAM Service.
- Staff UID is built on the eScholar Uniq-ID® for Staff product.

Staff UID – Key Terms

Match Probability

The newly submitted staff record is compared against all existing staff records to determine the probability that two staff records are the same individual.

A numerical value (1 to 100) is assigned by Staff UID to represent the matching probability of a pair of staff records.

- 1 87 = No Match
 - If the system finds no matching staff record, it will <u>create</u> a new Staff ID.
- 88 93 = Near Match
 - If the system encounters a Near Match, multiple Matches, or any combination of both, it will mark the record as 'Resolve Near Matches'. These records need to be reviewed and resolved by the school district or charter school.
- 94 100 = Match
 - If the system finds an exact matching staff record, it will assign a new Staff ID.

Staff UID – Key Terms

Exact Match Rule

A new staff record loaded into Staff UID will be considered an exact match if the following data is the same:

- Staff ID
- Last Name
- First Name
- Date of Birth

Importing the staff UIDs into the payroll source system will result in more exact matches and few near matches.

Batch File

A single staff record, or group of staff records, submitted together in a single file for the purpose of assigning new identifiers or updating pre-existing identifiers.

Fields Used by the UID Matching Engine

Match Rules for Staff UID

Field	Weight
First Name	High
Middle Name	High
Last Name	High
(Includes suffix if specified)	
Date of Birth	Medium
Gender	Low
Social Security Number	Medium
Ethnicity Code	Low
Previous Last Name	High if initial match is not found on last name; Not Evaluated if initial match is found on last name.

Navigating Staff UID – Home Page

- The Home Page will be displayed after a successful login.
- The Home Page consists of a side menu bar and 4 different sections that allow you to quickly access various information.





Navigating Staff UID – Menu Bar

Menu

Home Page

Download

My Batches

My Staff

Search

Upload File

The left side of each screen will contain a menu bar that allows access to the various Staff UID system components.

Navigating Staff UID – Icons

Staff UID uses several graphical buttons for navigation purposes.

	Clicking this image starts a process based upon status / next step.
	Clicking this image allows the user to view the details of the process.
•	Clicking this image starts a download of an application related file.

- The Staff UID system contains many pages that display lists of items. All lists may not show all rows on one page. To navigate to other pages in a list, use the FIRST, PREV, NEXT, and LAST buttons on the bottom of each page.
- Most lists in the Staff UID system can be sorted by clicking on the applicable column header.

Navigating Staff UID – Find A Batch

To find a batch, enter a Batch Id in the Find a Batch field and click the FIND button.

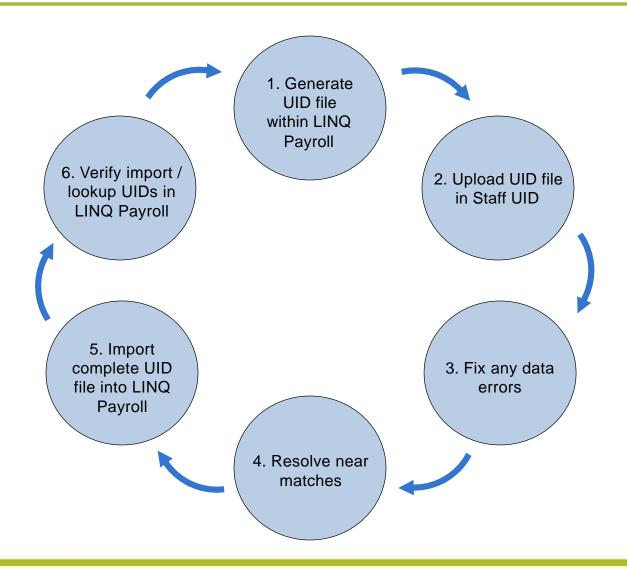


If a matching batch is found, that batch will be listed in the Batch List.



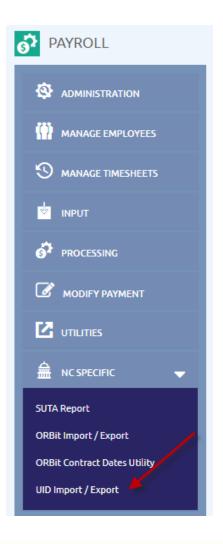
To work on a particular batch, click the Q icon in the right-most column.

Staff UID Assignment Process Overview



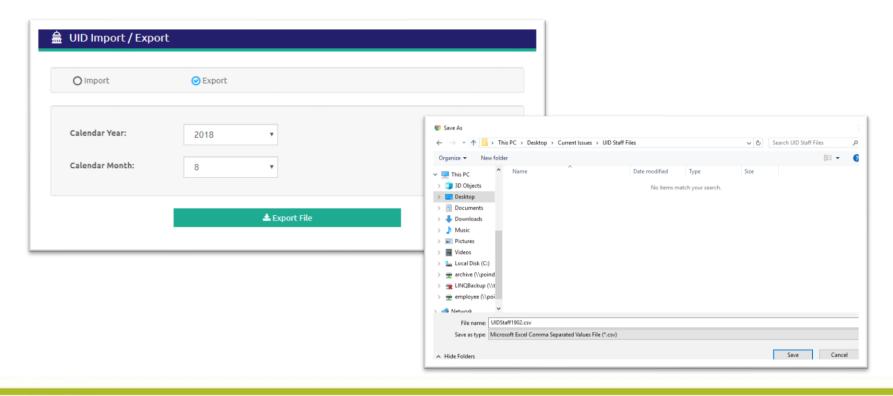
Staff UID Process Step 1: Generate UID File in LINQ Desktop Application

- LEA/Charter generates the Staff UID file from their payroll system, from the LINQ NC web-based application.
- To create the Staff UID file, perform the following steps:
 - Sign on to Payroll
 - Select NC Specific
 - Select UID Export/Import



Staff UID Process Step 1: Generate UID File in LINQ Desktop Application

- Select the Export radio button
- Select the CALENDAR month and CALENDAR Year that you wish to create a file for.
- Click
 <u>♣Export File</u> to a folder location where you want the file saved.
- The Staff UID file is named UIDStaffYYPP.txt, where YY=Calendar year and PP=Calendar month.





- Log in to Staff UID.
- Click the Upload File link from the Menu Bar.
- This module will allow users to upload their Staff UID batch files which were exported from the LINQ Payroll system.

To upload a UID file, perform the following steps in the Staff UID system:

- 1. Click on the **Upload File** link under Menu.
- 2. The system will display the following **Upload Batch** page.



- 3. Fill in the options as they are displayed on this screen shot for the first four values.
- 4. Click the **Browse** button and navigate to the saved UID batch file that was exported from the LINQ Payroll system.
- 5. Click the **Upload** Button.

4. If the file successfully uploads, the system will display the following screen:



If the file cannot be uploaded, an error message will be displayed indicating that the file is not valid.

 After a file is uploaded successfully, the data within the file will be validated. Some examples of data validation include making sure each record has the correct number of fields, a date of birth, a gender, etc.

- 5. To start the Validation Process, click the Validate button or wait and the system will begin the Validation automatically.
- 6. A **Validation in Progress** screen will be displayed. Users can click the **Refresh Batch Statistics** button or wait 30 seconds to view the validation progress.

Validation In Progress - Batch Number: 110
The file Staff_Training_Sample_3.csv is in the process of being validated. The page will refresh every 30 seconds until validation is completed. You may perform another action or close this window. The validation process will complete.
Refresh Batch Statistics

Possible Validation Outcomes

After data validation is complete, the system will identify if any errors exist in the batch file, and one of three outcomes will be reported:

Fatal File Errors:

 The file contained one or more fatal file errors and could not be processed.

Invalid Data Errors:

The file contained one or more data errors.

No Data Errors:

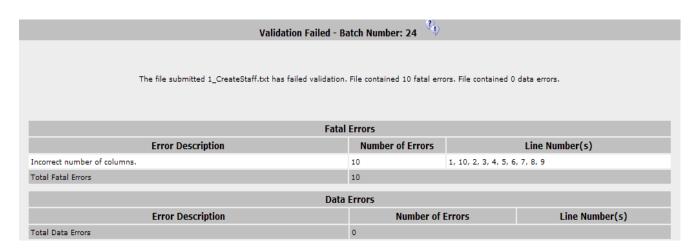
The file contained no data errors and the user can start ID assignment.

Fatal File Errors

The batch file will be rejected if a fatal error is found. Causes of a fatal error include:

- One or more fields have been omitted from a record.
- The maximum allowable number of data errors has been exceeded.
- One of the Upload options was not selected

If the system finds a fatal file error, it will display the following screen:



If the file contains a fatal error, then the batch will not be loaded into the Staff UID system.

Invalid Data Errors

If data errors exist in the batch file, the number of errors will be displayed. Select the **View Validation Errors** button for more information.

Validation	n Completed - Batch Number:	126	
	eas completed validation. The file c e information, please click the butto		dation errors.
	Validation Statistics		
Ready to Fix Data Errors			1
Ready to Assign IDs			6
Total Records			7
Percentage Completed			100.0%
	View Validation Errors		

Note: Data errors should be fixed in LINQ Payroll. After the errors are fixed in LINQ Payroll, users will need to complete Step 1 again then upload the new batch file to the Staff UID system.

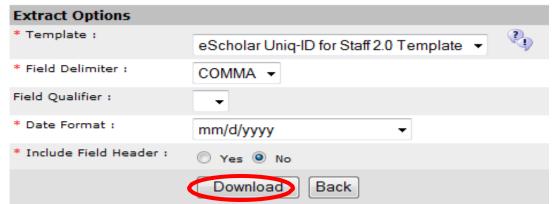
To create an "Errors to Fix" report of records that need to be corrected in the LINQ Payroll system, perform the following steps:

- 1. Select the **Download** link from the Main Menu.
- 2. The system will display 3 different tabs that provide access to download files. Select the **Other Downloads** tab.



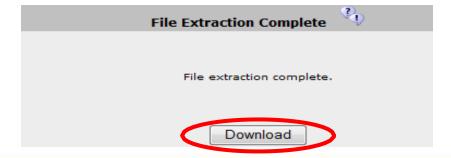
- 3. Select "Errors to Fix" as the Extract Type.
- 4. Click the Download icon 🏮 in the far right column.
- 5. The system will display an **Extract Options** screen where details of the extract can be specified.

6. Complete the Extract Options Page as necessary.



Note: Always select 'eScholar Uniq-ID for Staff 2.0' in the Template field.

- 7. Click the **Download** button to extract the error file.
- 8. You will then see a File Extraction Complete message. Click the Download button to download the file.



8. You will be given the option to Open, Save, or Cancel. You will want to Save this file. The location where you Save the file does not matter.



9. The "Errors to Fix" file will show the staff member's name toward the left of the file and the data error will be displayed to the far right.

```
File Edit Format View Help

,304,681_Mitchel,James,,M=7/5/1970,3423444,999999999,N,,,,,,,,,,,A,,1398051,Ready to Fix Data Errors_Invalid Ethnic Code.(W);
,304,681,Bakula,Scott,,,,7/31/1969,34242,999999999,N,WH,,,,,,,,,A,,1398052,Ready to Fix Data Errors,Invalid Gender.(m);
,304,681,Piper,Peter,,,,7/5/1990,42342,999999999,N,BL,,,,,,,,,,A,,1398053,Ready to Fix Data Errors,Gender is required.;
```

10. Correct the staff data errors in LINQ Payroll then complete Steps 1 and 2 again.

Note: The text file can be imported into MS Excel and saved as a worksheet to enhance viewing of the data errors.

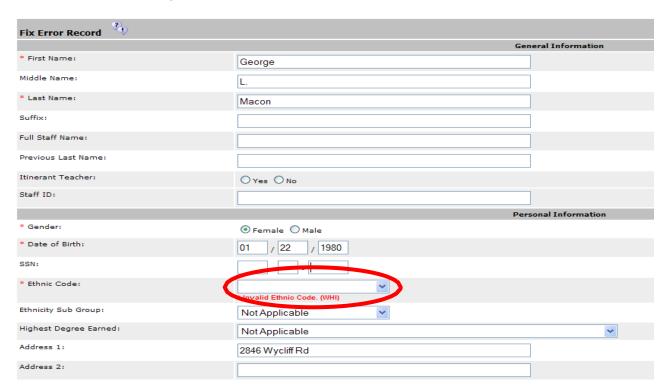
If data errors still exist after loading the new batch file into the Staff UID system, the errors can be fixed by performing the following steps:

- 2. The system will display all records that have data errors:



3. Click \(\sqrt{s} \) to the right of the record you wish to fix.

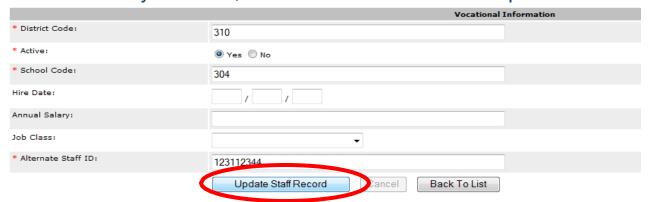
4. The system will display the staff information in a Fix Error Record form with an invalid message in red under each data issue.



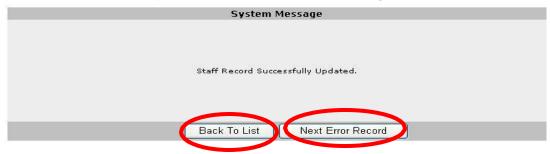
5. Correct all data errors on the page.

6. After all data errors are corrected, select the **Update Staff Record** button.

*If the Annual Salary field is 0, delete the 0 then click the Update Staff Record button.



7. The system will display a confirmation message after the record is fixed:



8. Click **Back To List** to select the next record from the list of data errors or move to the next record in the list by clicking **Next Error Record**.

No Data Errors

If no data errors are found, or once all data errors have been corrected, click Start ID Assignment to initiate the process of generating and assigning UIDs to the records included in the batch file.

Validation Completed -	Batch Number: 147
The file Staff_with_no_errors.csv has completed v	validation. Click the button to Start ID Assignment
Validation	Statistics
Ready to Assign IDs	3
Total Records	3
Percentage Completed	100.0%
Start ID A	ssignment

- 2. During ID Assignment, the system will display an Assignment in Progress page. Batch statistics are refreshed every 30 seconds or when the **REFRESH BATCH STATISTICS** button is selected.
- 3. An Assignment Completed page will be displayed after the assignment process is complete.

Assignment Completed - Batch Number: 147			
The file		has completed the ID assignment process. The kither that the button below to view pending near match	
		Assignment Statistics	
	New ID Assigned - No Matching Record Found		2
	Ready to Resolve Near Matches/Duplicates		1
	Total Records		3
	Percentage Completed		100.0%
		View Pending Near Matches	

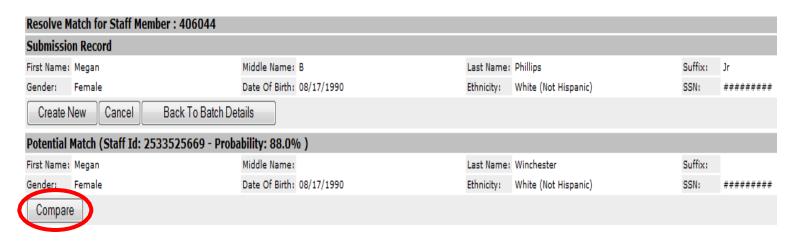
If there are any near matches identified during the ID Assignment process, the following steps can be followed to resolve them:

- 1. From the Home Page, click the \(\bigcip_{\quad} \) icon to the right of the batch with the \(\mathbb{Near Matches Pending} \) status.
- 2. The system will display all near match records within the batch.

esolve Near Matches - Batch: 157				
<u>District Code</u>	School Code	<u>Last Name</u>	First Name	
310 - Duplin County	304 - Mock School	Connel	Jeff	
310 - Duplin County	308 - Mock School	Gordon	Jeffrey	Q
splaying 1 to 2 of 2				First Prev Next Last

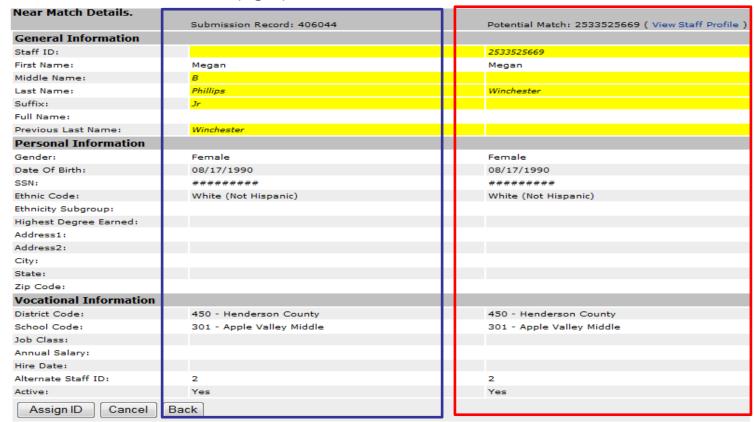
3. Click the Q icon to the right of the near match you want to review.

- The system will display a Resolve Near Matches Summary page which includes submission record and potential match record details.
 - The Submission record (top) is the record that was just loaded into the system.
 - The Potential Match record (bottom) is the record that is currently in the Staff UID System.



5. Select the Compare button to view additional details about the 2 records.

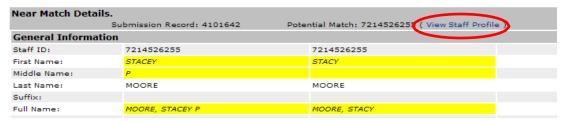
6. Determine if the Submission record (left) is the same staff member as the Potential Match record (right).



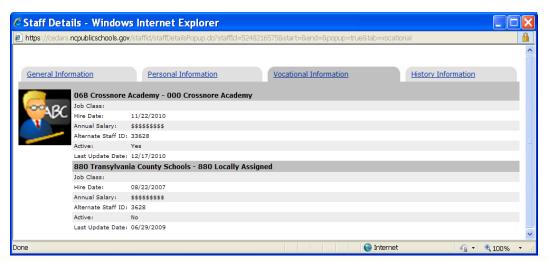
The fields highlighted in yellow indicate differences between the 2 records. The SSNs are still being compared even though they are masked by #s.

Staff UID Process Step 6 - Resolve Near Matches

 To view more information about the Potential Match record, click the View Staff Profile link.



 A pop-up window will display more information about the record. The Vocational and Historical Information tabs will display employment information about the staff member which might be useful when conducting research.



When reviewing near matches, one of the following actions can be taken:

Assign ID: If the Submission record is the same as the staff Potential Match record, "assign" the Staff ID of that matching staff member to the submitted staff member.

- The Staff ID of the Potential Match record is added to the Submission record. The other information in the Submission record will update the Potential Match record and the previous Potential Match record information is stored in the staff history.
- A new Staff ID is not created, since both the records were identified as belonging to the same staff member.

Create New: If no staff matches the submission staff record, create a new Staff ID.

Assign ID

7. If the potential match staff record listed is the same as the input staff whose record is being resolved, click the **ASSIGN ID** button on the **Near Match Comparison** page to assign the staff ID from the existing record to the submission record. (If the potential match staff record listed is not the same, go to the next step)

Vocational Information			
District Code:	50 - Henderson County 450 - Henderson Co		
School Code:	801 - Apple Valley Middle 301 - Apple Valley		
Job Class:			
Annual Salary:			
Hire Date:			
Alternate Staff ID:	2	2	
Active:	Yes	Yes	
Assign ID Cancel Back			

Create New ID

If the staff listed is different from the input staff whose record is being resolved, a new Staff ID will be created. To create a new Staff ID:

- Click the BACK button on the bottom of the Near Match Comparison page.
 The system will display the Resolve Near Match Summary page.
- Click the CREATE NEW button. The system will display a confirmation page displaying the newly created ID.

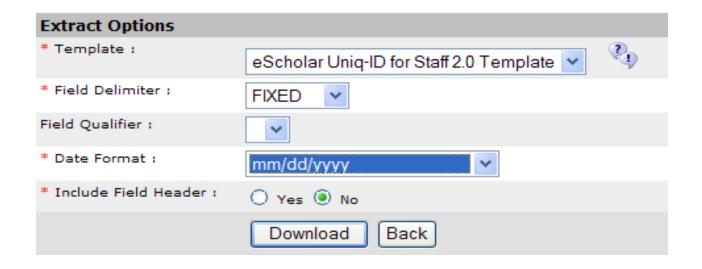
Resolve Match for Staff Member : 405969					
Submission Record					
First Name: Kathryn	Middle Name: C	Last Name:	Myers	Suffix:	
Gender: Female	Date Of Birth: 01/20/1972	Ethnicity:	White (Not Hispanic)	SSN:	########
Create New Cancel Back To Batch Det	tails				
Potential Match (Staff Id: 5126768476 - Proba	ability: 91.0%)				
First Name: KRYSTAL	Middle Name: K	Last Name:	MYERS	Suffix:	
Gender: Female	Date Of Birth: 01/20/1974	Ethnicity:	Refused to Respond	SSN:	########
Compare					

After the all data errors have been fixed, all near matches have been resolved and the ID assignment process has completed, Staff IDs can be downloaded. To download Staff IDs, perform the following steps:

1. Click the 'Download IDs' button.

System Message
Near matches for staff: 213738 has been resolved. An existing ID 6158531391 was assigned to the Staff Member.
Download IDs

- 2. The system will display the **Download** module.
- 3. Complete the download form as pictured below.

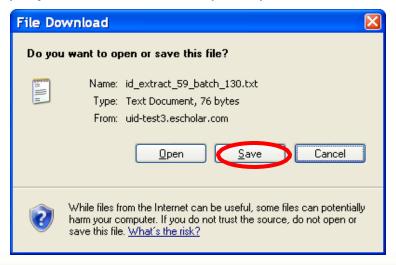


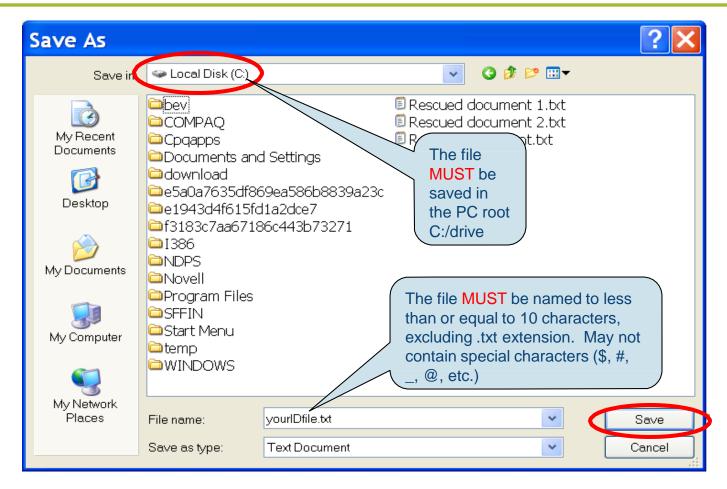
4. Click the **Download** button.

5. The system will briefly display a status message page and then a File Extraction complete notice. Click the Download button



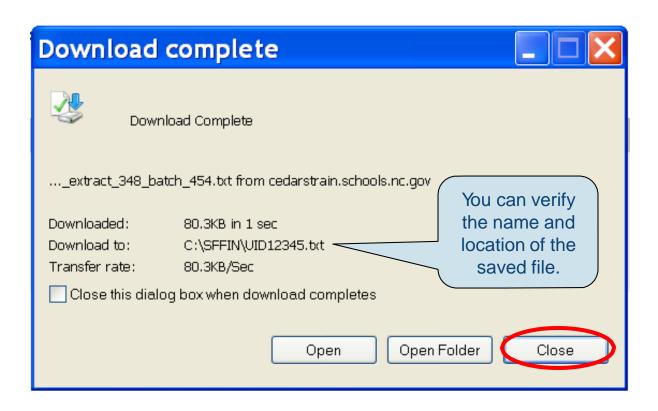
6. The system will display a File Download prompt. Click the Save button.





 Save the downloaded batch file of assigned Staff IDs anywhere on the PC it is accessible via the Windows "Browse for File" dialog.





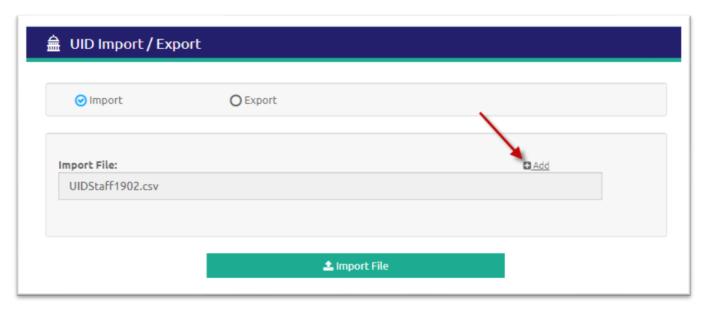
- Click the Close button.
- Return to the application home page by clicking the Home Page link in the Menu.

The final step of the process is to import the UID file back into the payroll system. To import the Staff UID file, perform the following steps in LINQ:

- Sign on to LINQ Payroll
- Select State Specific
- Select UID Export/Import

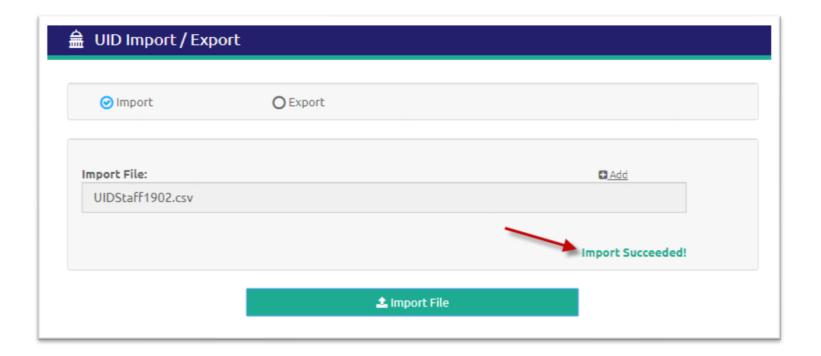


- Select the Import radio button
- Select to browse to the location where you saved the file in Step 5.



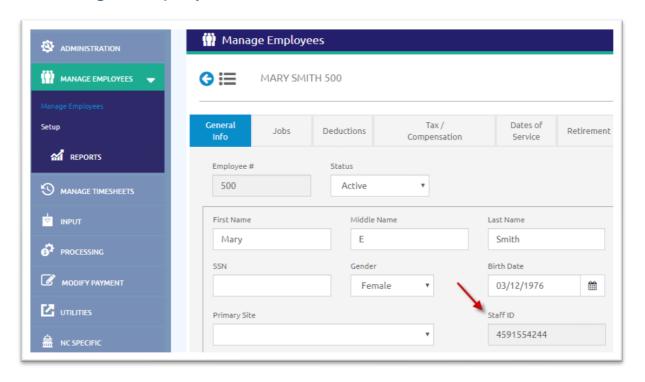
 The file will load in the grid for you to verify. Click Import File to upload the file into LINQ.

Once the import is complete, the message box below will appear.



Staff UID Process Step 6 – Verify Import & New UIDs in LINQ

- To verify that the import was successful or to look up a UID number, follow the steps below.
 - Sign on to Payroll
 - Select Manage Employees General Info and find Staff ID



Staff UID Best Practices

- Do not use the **REFRESH**, **BACK**, or **FORWARD** browser buttons. Always use the system links and buttons to navigate through Staff UID. Using the browser buttons will cause you to log back into the system.
- During the Upload, Validation, or ID Assignment Processes, you do not have to remain on the page or keep your browser open. Once these processes have started, the system will continue to process the batch and you can check on the progress later.
- When determining if a record is a "Match" or "No Match":
 - Review the "Near Match Details" page to view fields on the two staff members.
 - Analyze the records offline if necessary, by collecting and comparing more information.
 - If the matching staff is in a different school or school district, consider contacting the corresponding agency.
- Take note of the specific Batch ID you are working with so you can easily locate it in the future.

Other Menu Items - My Batches Module



 To access the My Batches Module, click the My Batches link from the Menu.

- This feature allows users to:
 - Review and all batches the user has loaded.
 - Users cannot see batches that have been loaded by other users within the same Charter School.

Other Menu Items - My Staff Module

Menu

Home Page

Download

My Batches

My Staff

Search

Upload File

- To access the My Staff Module, click the My Staff link from the Menu.
- This module will provide a list of staff members assigned to the district or charter school in which the user has access.
- Users will be able to view additional details about these staff members.
- Note that staff information can be viewed, but not updated in the My Staff module.

Other Menu Items - Search Module

Menu

Home Page

Download

My Batches

My Staff

Search

Upload File

- To access the Search Module, click the Search link from the Menu.
- The Search feature can be used to verify the details about staff already in the Staff UID system.
- Note that staff information can be viewed and updated, depending on the role of the user. However, updates made to staff records apart from the ID assignment process will not be included in a batch file for completion of Step 5.