

# API Profiles Resource Guide

**Target Audience:** Local education agencies (LEAs) with multiple data sources publishing data to the Staff Entity.

**Purpose:** To provide guidance and instruction to LEAs who have multiple data sources that will be publishing data to the Individual Operational Data Stores (IODS) for the Staff Entity depicted below. The content below will provide guidance for selecting claim sets and modifying the claim sets by using Profiles. This guide provides a solution to address the issue of multiple vendors needing to write data to different data elements in the Staff Entity.

*Staff Domain*

Entity	Data Element	Element ID	Data Type	Length	Date Update
<i>Staff</i>					
	StaffUniqueId	E1524	String	10	
	BirthDate	E0006	Date	10	
	HighestCompletedLevelOfEducation	E0730	LevelOfEducation C015		
	HispanicLatinoEthnicity	E1064	Boolean		
	Race <i>(may have multiple instances)</i>	E3050	Race C304		
	Sex	E0004	Sex C013		
	GenerationCode	TX E0706	GenerationCode C012		
	TotalYearsProfExperience	TX E0130	Number	2	
	TotalYearsPriorTeachingExperience	TX E1377	Number	2	
	CreditableYearOfService	TX E1721	Boolean		
	YearsExperienceInDistrict	TX E0161	Number	2	
	PKTeacherRequirement	TX E1581	PKTeacherRequirement C207		
	StaffId	TX E0505	String	9	
	TeacherIncentiveAllotmentDesignation <i>(may have multiple instances)</i>	TX E1722	TeacherIncentiveAllotmentDesignation C322		
	AdditionalDaysProgramTeacher	TX E1673	Boolean		
	StaffDoNotReportTSDS	TX E3069	Boolean		

- In some cases, LEAs track and want to send these four data elements from their Student Information System (SIS) data source and not from their Human Resource (HR)/Finance data source. Selecting the correct claim set and using Application Programming Interface (API) Profiles will allow for this functionality.
- The “SIS Vendor” claim set provides the SIS vendor “Read” access to the Staff Entity.
- The “SIS Vendor with Staff Profiles” claim set along with the necessary API Profile, will provide the SIS vendor with “Write” access to these four data elements in the IODS.
- The “HR/Finance Vendor” claim set allows the HR/Finance vendor to “Create”, “Read”, “Update”, and “Write” all data elements to the Staff Entity. Adding an API Profile to the

HR/Finance claim set will restrict the HR/Finance vendor to only have “Read” access to these four data elements but will maintain “Write” access to the remaining data elements in the Staff Entity.

### How does the LEA know if they will need to implement the Profiles?

Ask yourself these questions and discuss them with your vendor(s). If you answer “Yes” to **both** questions you may want to choose the “SIS Vendor with Staff Profiles” claim set for you SIS Vendor and implement API Profiles for both this claim set and your HR/Finance claim set in your IODS.

<p>1. Do I have multiple data sources for the Staff Entity data elements?          Example 1: One vendor product for SIS and another for HR/Finance          Example 2: Same vendor product but separate databases for SIS and HR/Finance</p>	<p>YES</p>	<p>NO</p>
<p>2. Is my SIS the source of record for these four data elements?</p>	<p>YES</p>	<p>NO</p>

### To implement Profiles in your IODS for this scenario, complete the following steps.

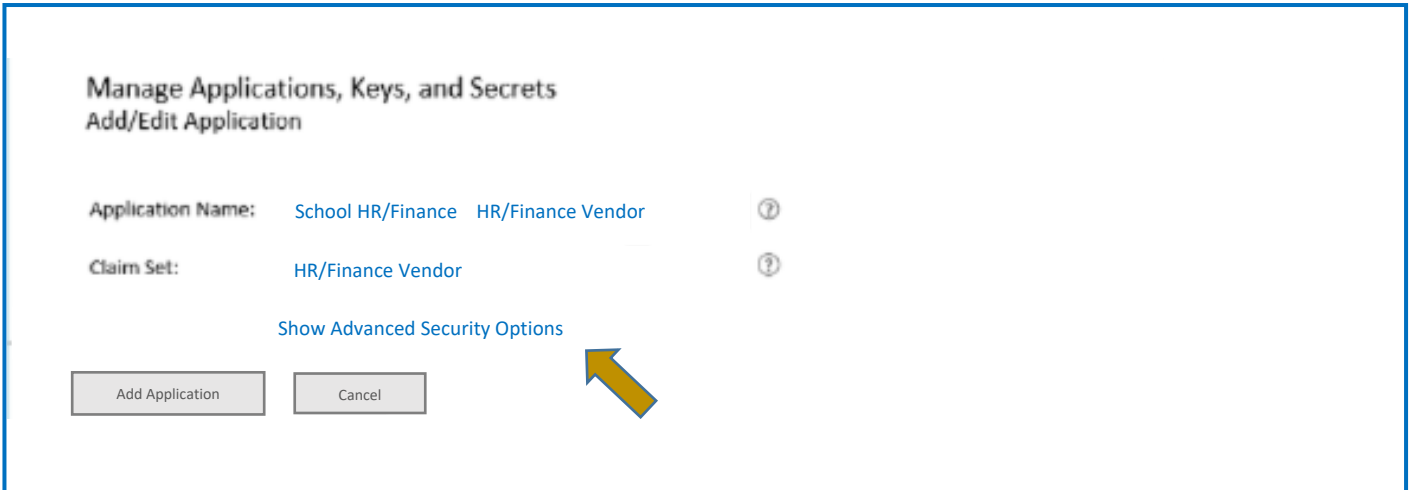
- Assign the “**HR/Finance Vendor**” claim set to your HR/Finance data source product.
  - Add the “**Staff Entity Restrict Write Access**” profile to the HR/Vendor claim set.
- Assign the “**SIS Vendor with Profiles**” claim set to your SIS data source product.
  - Add the “**Staff Entity Allow Write Access**” profile to the SIS Vendor claim set.

### Assigning these Profiles will do the following:

- Allow the HR/Finance Vendor to read/write data to the Staff Entity **except** these four data elements where they will be able to read only:
  - TeacherIncentiveAllotmentDesignation,
  - CreditableYearOfService,
  - PKTeacherRequirement,
  - AdditionalDaysProgramTeacher.
- Allow the SIS Vendor to read all data elements on the Staff Entity but to write **only** these four data elements to the IODS:
  - TeacherIncentiveAllotmentDesignation,
  - CreditableYearOfService,
  - PKTeacherRequirement,
  - AdditionalDaysProgramTeacher.

## Assigning the Profiles:

1. Navigate to Manage Applications, Keys, and Secrets in the Data Management Center (DMC). Add an “Application” or edit the existing HR/Finance Vendor Application. Click on “Show Advanced Security Options”.



Manage Applications, Keys, and Secrets  
Add/Edit Application

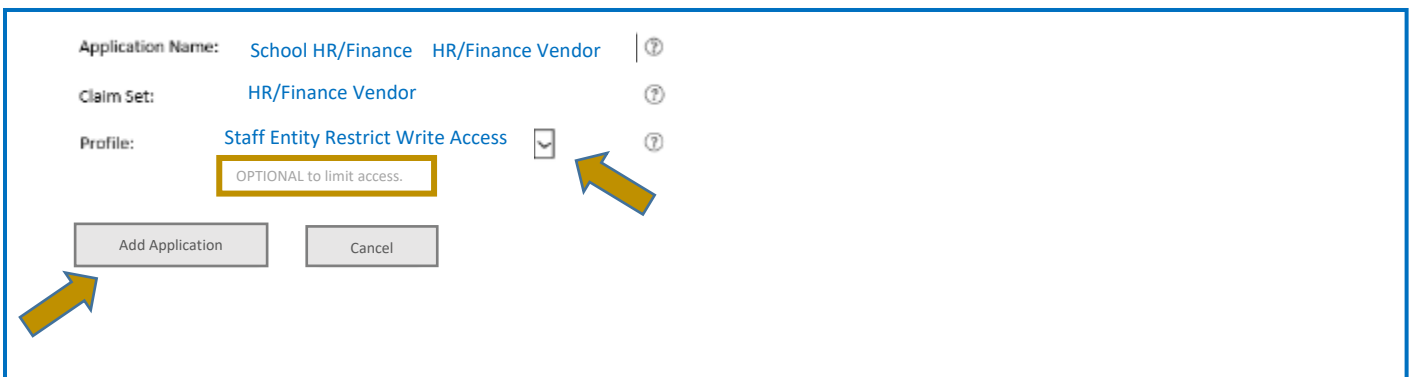
Application Name: School HR/Finance HR/Finance Vendor ⓘ

Claim Set: HR/Finance Vendor ⓘ

Show Advanced Security Options

Add Application Cancel

2. Select the “Staff Entity Restrict Write Access” profile from the Profile dropdown menu. Note the message that this is “OPTIONAL to limit access”. Click “Add Application”



Application Name: School HR/Finance HR/Finance Vendor ⓘ

Claim Set: HR/Finance Vendor ⓘ

Profile: Staff Entity Restrict Write Access ⓘ  
OPTIONAL to limit access.

Add Application Cancel

3. Next, navigate to Manage Applications, Keys, and Secrets in the Data Management Center (DMC). Add an “Application” or edit the existing SIS Vendor Application. Choose the “SIS Vendor with Staff Profiles” claim set. Click on “Show Advanced Security Options”.

**Manage Applications, Keys, and Secrets**  
**Add/Edit Application**

Application Name: Student Information SIS Vendor ⓘ

Claim Set: SIS Vendor with Staff Profiles ⓘ

Show Advanced Security Options

Add Application Cancel

4. Select the “Staff Entity Allow Write Access” profile from the Profile dropdown menu. Note the message that this is “OPTIONAL to limit access”. Click “Add Application”.

Application Name: Student Information SIS Vendor ⓘ

Claim Set: SIS Vendor ⓘ

Profile: Staff Entity Allow Write Access ⓘ

OPTIONAL to limit access.

Add Application Cancel