

# Via TRM API SIS Integration

## Technical Documentation for Institutions

### Overview

Via TRM supports querying data from an institution using a RESTful SIS Data Sync API to fetch the relevant student information.

### Student Login

1. Student logs in to *Via* using SSO (*Via* receives the Email Address from the SSO assertions)
2. *Via* calls the SIS Data Sync API and requests the student information using the Email Address
3. The SIS Data Sync API returns the student information in a simple JSON structure
4. *Via* processes the data and makes it available in the student's profile and for applications and forms

### API Structure

Institutions should implement a RESTful API that returns a JSON data structure for the SIS data.

Example:

```
{ "email" => "example@org.edu", "student_id" => "AB123", "dob" => "2000-04-23" }
```

### Security and Authentication

The API should be implemented over HTTPS.

The API should be secured using BASIC or key-based authentication. If using BASIC, please provide the username and password to your *Via* TRM Integration Project Manager. For Key based Authentication *Via* will provide a public key.

## Endpoints and Access

Via will call the SIS Data Sync API endpoint from the following IP address. Please ensure this IP is whitelisted as needed and the API is accessible.

Via IP: 52.24.163.252

## Versioning and Environments

Via recommends institutions version the API and specify the environment (prod or staging).

Endpoint:

`/viatrm/v1/prod/student/:email`

Example:

`https://university.edu/viatrm/v1/prod/student/user1@school.edu`

## Test Users

The client should provide Via TRM with test accounts for testing the SSO and SIS integrations.

These should be fake user accounts with fake data. They should not contain real user data.

The test accounts must authenticate properly with the client SSO service and also exist in the client SIS. Via TRM will use the Email Address provided during SSO authentication to request data from the SIS.

Five test accounts are optimal.

## Setup API Checklist

- (Via) Provide API documentation
- (Client) Decides on data fields to sync
- (Client) Implement the API
- (Client) Provide Via with the API endpoint and credentials
- (Client) Whitelist the Via IP address
- (Via) Test the API
- (Via) Configure any required data mappings
- (Client + Via) End-to-end process testing and go live

## Data

This is the full list of data elements that *Via* supports. It is not required to send data for all elements.

<i>Via</i> TRM UI Name	<i>Via</i> API Data Element	Example	Formatted Response Options
First Name	first_name	Charles	
Middle Name	middle_name	Jay	
Last Name	last_name	Smith	
Email	email	chad@example.com	
Secondary Email	personal_email	chad2@example2.com	
Preferred First Name	preferred_first_name	Chad	
Preferred Last Name	preferred_last_name	Smith	
Pronoun	pronoun	He	
Title	title	Mr.	
Student ID	student_id	N44512743	
Date of Birth	dob	2000-04-23	YYYY-MM-D

			D
Sex Assigned at Birth	sex	male	"male", "female", "other_sex"
Countries of Citizenship	countries_of_citizenship	US	Alpha2 Code
Visa Status	visa_description		
Honors Status	honors_status	Yes	"No", "Yes"
Ethnicity	ethnicity	Not Hispanic or Latino	"Hispanic/Lati n of any race", "Not Hispanic or Latino"
Race	race	White	"American Indian or Alaska Native", "Black or African American", "White", "Do not know", "Asian", "Two or more", "Native Hawaiian or Other Pacific Islander"
Disability	disability	None	
Veteran Status	veteran_status	No	"no", "yes"
Residency Status	residency	in_state	"in_state", "out_of_state", "international", "citizen", "national", "permanent_re sident", "refugee", "other_residen cy"
Judicial Status	judicial_status	clear	
Country Code	phone_country_code	1	
Phone Number	phone_number	313-518-9106	

Year In School	year_in_school	sophomore	"Freshman", "Sophomore", "Junior", "Senior", "Graduate Student", "Non-degree Seeking"
Traveler Type	traveler_type	undergraduate	"undergraduate", "graduate", "other", "high_school", "post_graduate", "faculty", "staff", "guest"
College or Faculty	places_of_study	School of Business	
Home Campus	school_name	University of Awesome	
Anticipated Graduation Year	grad_year	2022	YYYY
GPA - Cumulative	cumulative_gpa	3.812	
GPA - Major	major_gpa	3.987	
Hours Earned	hours_earned	64	
Major - Primary	primary_major	Economics	
Major - Secondary	secondary_major	Spanish	
Minor - Primary	primary_minor	Entrepreneurship	
Minor - Secondary	secondary_minor	Sociology	
Minor - Third	third_minor	Sign Language	
Current Address: Address	current_address_line_1	1234 Main Street	
Current Address: Address Line 2	current_address_line_2	Apt 4	
Current Address: City	current_address_city	Townie	
Current Address: State/Province/Territory	current_address_state	Indiana	

tory			
Current Address: Zip Code	current_address_zip_code	41621	
Current Address: Country	current_address_country	US	Alpha2 Code
Permanent Address: Address	permanent_address_line_1	910 Linwood Place	
Permanent Address: Address Line 2	permanent_address_line_2		
Permanent Address: City	permanent_address_city	Mansfield	
Permanent Address: State/Province/Terri tory	permanent_address_state	OH	
Permanent Address: Zip Code	permanent_address_zip_co de	23168	
Permanent Address: Country	permanent_address_country	US	Alpha2 Code
Emergency Contact/Primary Emergency Contact: First Name	emergency_contact_first_na me	Jane	
Emergency Contact/Primary Emergency Contact: Last Name	emergency_contact_last_na me	Smith	
Emergency Contact/Primary Emergency Contact: Relationship	emergency_contact_relati onship	Mother	
Emergency Contact/Primary	emergency_contact_email	mom@example.com	

Emergency Contact: Email			
Emergency Contact/Primary Emergency Contact: Phone Number	emergency_contact_phone_country_code	1	
Emergency Contact/Primary Emergency Contact: Phone Number	emergency_contact_phone_number	314-528-9172	
Emergency Contact/Primary Emergency Contact: Address	emergency_contact_address_line_1	910 Linwood Place	
Emergency Contact/Primary Emergency Contact: Address Line 2	emergency_contact_address_line_2		
Emergency Contact/Primary Emergency Contact: Address City	emergency_contact_address_city	Mansfield	
Emergency Contact/Primary Emergency Contact: Address State/Province/Territory	emergency_contact_address_state	OH	
Emergency Contact/Primary Emergency Contact: Address Zip Code	emergency_contact_address_zip	23168	
Emergency Contact/Primary	emergency_contact_address_country	US	Alpha2 Code

Emergency Contact: Address Country			
Emergency Contact/Secondary Emergency Contact: First Name	secondary_emergency_contact_first_name	Bob	
Emergency Contact/Secondary Emergency Contact: Last Name	secondary_emergency_contact_last_name	Smith	
Emergency Contact/Secondary Emergency Contact: Relationship	secondary_emergency_contact_relationship	Father	
Emergency Contact/Secondary Emergency Contact: Email	secondary_emergency_contact_email	dad@example.com	
Emergency Contact/Secondary Emergency Contact: Phone Number	secondary_emergency_contact_phone_country_code	1	
Emergency Contact/Secondary Emergency Contact: Phone Number	secondary_emergency_contact_phone_number	314-717-1161	
Emergency Contact/Secondary Emergency Contact: Address	secondary_emergency_contact_address_line_1	910 Linwood Place	
Emergency Contact/Secondary Emergency Contact: Address Line 2	secondary_emergency_contact_address_line_2		

Emergency Contact/Secondary Emergency Contact: Address City	secondary_emergency_contact_address_city	Mansfield	
Emergency Contact/Secondary Emergency Contact: Address State/Province/Territory	secondary_emergency_contact_address_state	OH	
Emergency Contact/Secondary Emergency Contact: Address Zip Code	secondary_emergency_contact_address_zip_code	23168	
Emergency Contact/Secondary Emergency Contact: Address Country	secondary_emergency_contact_address_country	US	Alpha2 Code