

Student API – Key Based Authentication

The purpose of this document is to provide steps on generating and using key based authentication for Student Rest APIs

1. Customer Information

Institution/University or College Name: _____

Vendor Name: _____

Email of Subject Matter Expert: _____

2. Introduction

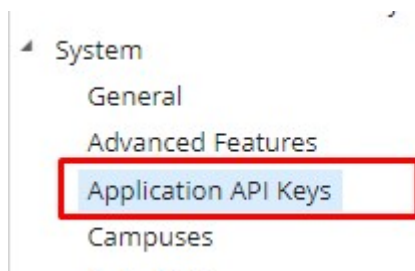
The Application API Keys configuration is enhanced to be used when authenticating to the entire Student REST API set instead of only being used for the Campuslink APIs.

This enhancement:

- Limits the integrating partners to only access the modules to which they have permissions. Appropriate audits will be recorded in the database.
- Allows the integrating partner to generate their own application key, associated to a user in the Staff entity.

3. Steps:

Location - Select Settings > System > Application API Keys.



Settings

Application API Keys

Search Calling Application

+ New Delete

Calling Application	Staff	Expiration Date	Date Added	Added By	Date Modified	Modified By
AnthologyIntegration	System Admin, Member	01/17/2025	01/18/2023	CMC, USA	01/18/2023	CMC, USA
AWS	CMC, USA	01/30/2025	01/31/2023	CMC, USA	01/31/2023	CMC, USA

20 items per page

Edit Application Key - AnthologyIntegration

Save Cancel

Calling Application Name *
AnthologyIntegration

Application Key

Regenerate

Staff *
System Admin, Member

Expiration Date *
01/17/2025

Product Help Link:

https://help.campusmanagement.com/CNS/23.0/WebClient/Content/SU/System/ApplicationAPIKey/p_AddApplicationAPIKey.htm?cshid=CNSp_AddApplicationAPIKey

Encode the Application Key with Base 64

<https://www.base64encode.org/>

```
{"CallingAppName":"DualEnrollAPI","KeyValue":"YslQkq2Hj/viKSM5Lzn07Q=="}
```

- **CallingAppName:** Calling Application Name
- **KeyValue:** Application Key

Encode the value and share it with client/vendor

Encode to Base64 format

Simply enter your data then push the encode button.

```
{"CallingAppName":"DualEnrollAPI","KeyValue":"YsIQkq2Hj/viKSM5Lzn07Q=="}
```

To encode binaries (like images, documents, etc.) use the file upload form a little further down on this page.

UTF-8 Destination character set.

LF (Unix) Destination newline separator.

☐ Encode each line separately (useful for when you have multiple entries).

☐ Split lines into 76 character wide chunks (useful for MIME).

☐ Perform URL-safe encoding (uses Base64URL format).

☒ Live mode OFF Encodes in real-time as you type or paste (supports only the UTF-8 character set).

> ENCODE < Encodes your data into the area below.

```
eyJDYWxsaW5nQXBwTmFtZSI6IkR1YWxlbG9ja0BUEkiLCJlZSI6IjZSVFRcTJlIj92aUttTVMem4wN1E9PSJ9
```

Client/Vendor can use the encoded value with “ApplicationKey encoded value”

Params • Authorization Headers (8) Body Pre-request Script Tests Settings			
Headers Hide auto-generated headers			
KEY	VALUE	DESCRIPTION	
<input checked="" type="checkbox"/> Postman-Token	<calculated when request is sent>		
<input checked="" type="checkbox"/> Host	<calculated when request is sent>		
<input checked="" type="checkbox"/> User-Agent	PostmanRuntime/7.30.0		
<input checked="" type="checkbox"/> Accept	*/*		
<input checked="" type="checkbox"/> Accept-Encoding	gzip, deflate, br		
<input checked="" type="checkbox"/> Connection	keep-alive		
<input checked="" type="checkbox"/> Content-Type	application/json		
<input checked="" type="checkbox"/> Authorization	ApplicationKey eyJDYWxsaW5nQXBwTmFtZSI6IkR1YWxlbG9ja0BUEkiLCJlZSI6IjZSVFRcTJlIj92aUttTVMem4wN1E9PSJ9		
Key	Value	Description	