

The Good, The Bad and The Ugly

Planning and Implementing Successful
Integrations through Ellucian Ethos

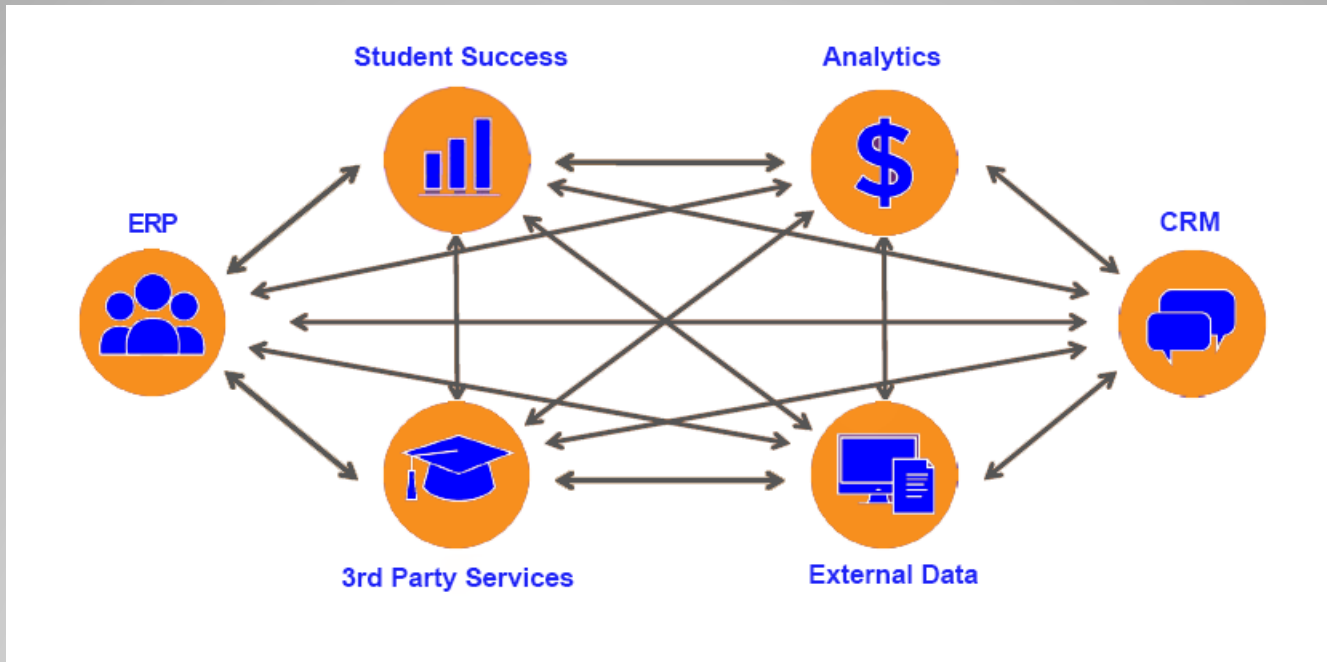


May 25, 2022
3:30 pm. – 4:30 pm.

Chuck Mize



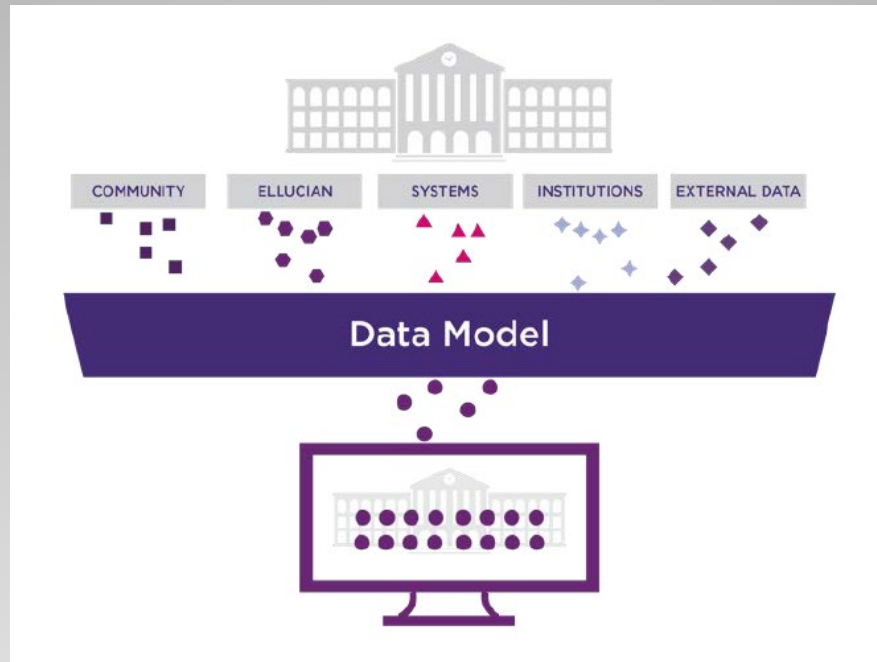
Sam Houston State University
Huntsville, Texas



The Problem



The Promise



The Data Model



Defined Data Model



Standard API Messaging Bus



Real-Time Data



Simplifies Integrations

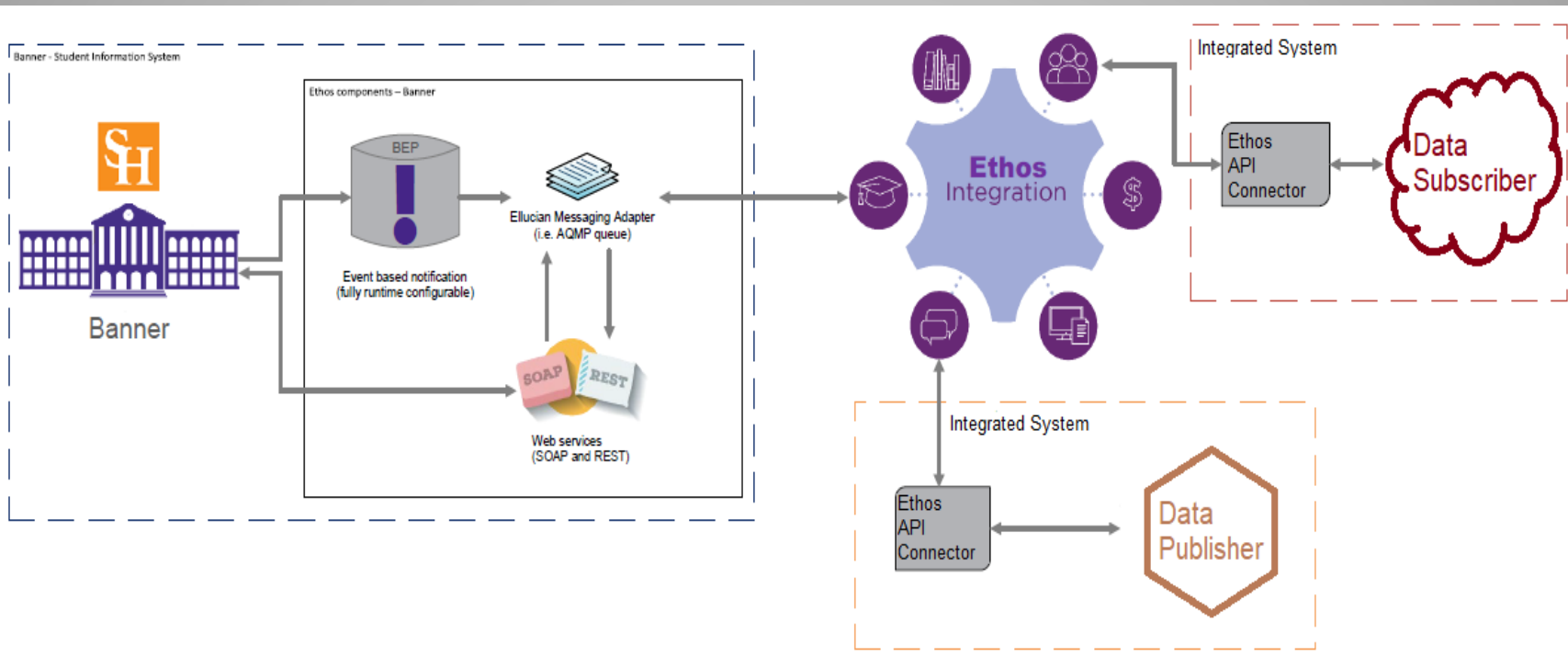


Opens the door for increased 3rd-party solutions



Can be used to Conform & Cleanse Data

The Good



Details Matter

- Perception of low technical requirement
- Documentation trails development
- REST API knowledge & skill required
- Lack of coding examples
- Slow/Limited vendor adoption

The Bad

Resources

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Ellucian Ethos Data Model

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About the Ellucian Ethos Data Model



Updated: February 16, 2022

The Ellucian Ethos Data Model is a single model of all of the concepts in the entire domain of higher education.

Note: You can access the *Release Notes* and the *Ellucian Ethos Data Model* from the Contents pane drop-down.

For Ellucian Ethos Data Model-based APIs, each concept is treated as a separate entity in the model, and the same name is used by both business and technical audiences. The model is expressed in the form of JSON Schema documents that are attached to API Documentation that can be accessed through the [API Catalog](#).

All Ellucian applications and third-party certified partner applications that use the Ethos Data Model-based APIs are required to support the Ellucian Ethos Data Model for system integration purposes.

It is expected that legacy systems must adapt to the Ellucian Ethos Data Model definition and provide reasonable defaults to support existing business logic. Ellucian Ethos Integration will be used to facilitate system integration using the Ellucian Ethos Data Model.

The Ellucian Ethos Data Model identity is established by specifying an ID property following the GUID implementation. A global unique identifier (GUID) is a unique reference to an Ellucian Ethos Data Model object that allows us to uniquely identify that object across the entire Higher Education domain. Ellucian Ethos Data Model definitions are generic, designed to support global requirements, and not limited by an existing Ellucian application. All Ellucian application teams along with certified partners and customers collaborate to define and validate the definition that can be supported by each application.

Resources



Search Results

Academic Catalogs: academic-catalogs

6.1.0 - Banner Ethos Data Model APIs | Also available in: 6.0.0 - Banner Ethos Data Model APIs

A valid academic catalog is a list that defines the programs and courses that are offered by an organization.

Academic Credentials: academic-credentials

An academic credential attests to a qualification, competence, or authority issued to an individual by an educational institution to recognize the completion of a specified course of study.

Academic Disciplines: academic-disciplines

15.0.0 - Banner Ethos Data Model APIs | Also available in: 10.0.0 - Banner Ethos Data Model APIs | 7.0.0 - Banner Ethos Data Model APIs

An academic discipline is a branch of knowledge that is researched and taught in higher education and can be used as part of an academic programs.

Academic Honors: academic-honors

The Academic Honors API provides details about academic honors that can be associated with a person.

Academic Levels: academic-levels

6.1.0 - Banner Ethos Data Model APIs | Also available in: 6.0.0 - Banner Ethos Data Model APIs

An academic level is an institution's representation of the level of instruction for a course or a student's program of study. Academic levels vary between institutions.

Academic Period Enrollment Statuses: academic-period-enrollment-statuses

The Academic Period Enrollment Statuses API contains information about valid academic period enrollment statuses in the higher education admission process. DEPRECATION NOTICE: Deprecated (2019-06-30)/Sunset (2021-07-01) REPLACED WITH: Student Academic Period Statuses

Academic Periods: academic-periods

16.1.0 - Banner Ethos Data Model APIs | Also available in: 16.0.0 - Banner Ethos Data Model APIs | 8.0.0 - Banner Ethos Data Model APIs

Defines the time periods used by institutions of higher education. An institution can define the start and end dates for academic years, terms, and sub-terms. DEPRECATION NOTICE: Versions 6.0 and 8.0 have been deprecated and replaced with v16.0.0 or higher

Academic Programs: academic-programs

15.2.0 - Banner Ethos Data Model APIs | Also available in: 15.1.0 - Banner Ethos Data Model APIs | 15.0.0 - Banner Ethos Data Model APIs | 7.0.0 - Banner Ethos Data Model APIs

The Academic Programs API provides details about the offerings of an institution that represent a combination of courses and requirements leading to a degree, diploma, or certificate for a defined set of majors, minors, or

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API

Academic Programs: academic-programs

Academic Programs: academic-programs

Updated: February 23, 2022

Academic Programs 15.2.0 OAS3

https://resources-admin.elluciancloud.com/bundle/banner_api_academic_programs_15.2.0/page/academic-programs.yaml

An offering by an institution that represents a combination of courses and requirements leading to a degree, diploma, or certificate for a defined set of majors, minors, or concentrations.

Academic programs are defined in Banner Curriculum, Advising and Program Planning Module (CAPP)-SMAPRLE form. This is a program definition form where minimum details of a program are first defined. After a program is defined in SMAPRLE, curriculum rules are used to define the academic programs in use at the institution using the SOACURR form. Rules such as valid majors, minors, concentrations can be defined for that program.

Please refer to "Additional information for the academic-programs API" section in the Banner Ethos API Handbook for details on named query behavior for this API.

Servers

<https://integrate.elluciancloud.com/api> - Ethos Integration

academic-programs

| | | | | |
|-----|-------------------------|---|---|---|
| GET | /academic-programs | Returns resources from SMRPRLE, SOBCURR and GORGUID | ▼ | 🔒 |
| GET | /academic-programs/{id} | Return the requested resource from SMRPRLE, SOBCURR and GORGUID | ▼ | 🔒 |

Schemas

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BPAPI s - Where to install?

Ellucian Ethos Platform

by **Lori Polnow** • updated **6d ago**

4 replies • 32 views



Does Ethos integration require a country code for a US address?

Ellucian Ethos Platform

by **Marsha Smith** • created **7d ago**

0 replies • 8 views

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Resources

APIs (versions, elements, support) are evolving

- Multiple API versions used by different entities
- Different data attributes based on API version used

Inconsistent Vendor support

- Limited data compared to P2P offerings
- Requests for institution to build connectors

Can be slow to integration initially

- High learning curve
- Middleman trust concerns

Security practices evolving

- IP restrictions challenging
- Open API bus as opposed to selected

The Ugly

Questions? – Discussion?