

Ellucian Technology Strategy

John Kopcke, Senior Vice President & Chief Technology Officer
May 2015

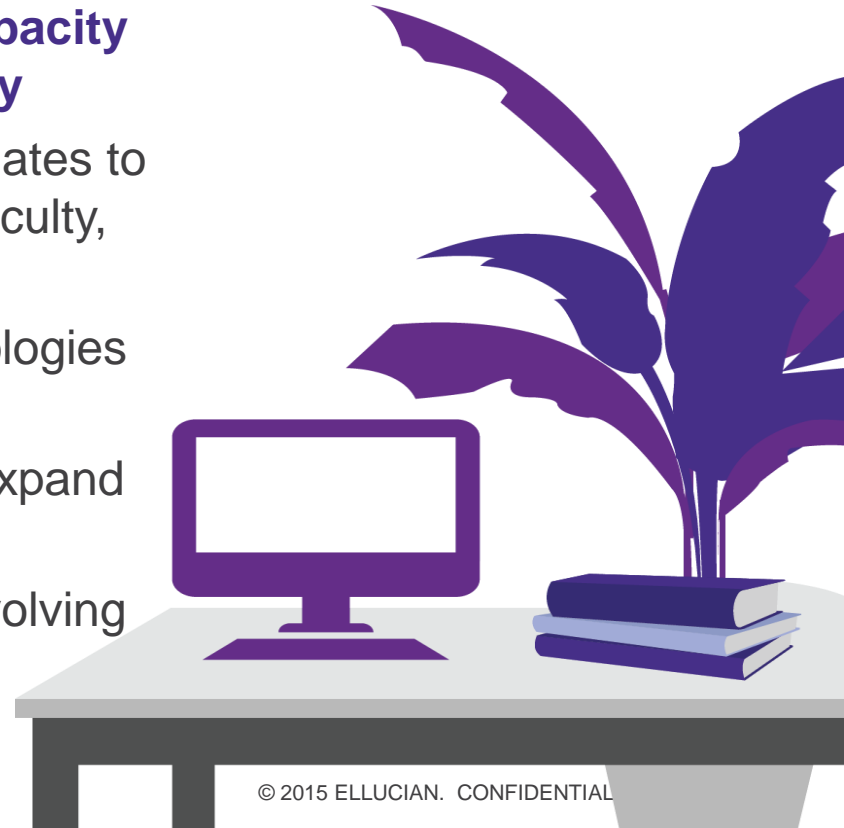
Protect customer investments – Reduce TCO



Offer evolution, not revolution

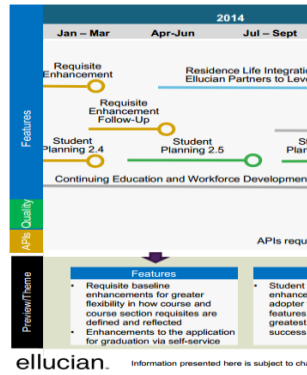
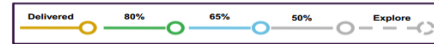
Assist customers at their pace and their capacity to handle change with evergreen delivery

- Modular approach allows upgrades and updates to occur with minimal disruption to students, faculty, and staff
- Leverage modern, open, and proven technologies so institutions can extend as needed
- Provide scalable and elastic products that expand or contract to meet customer demand
- Support the way staff work today and the evolving nature of the higher education workforce

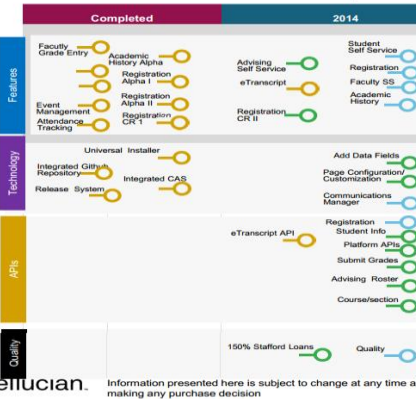
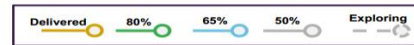


Deliver 2015 product roadmaps on-time and on-scope

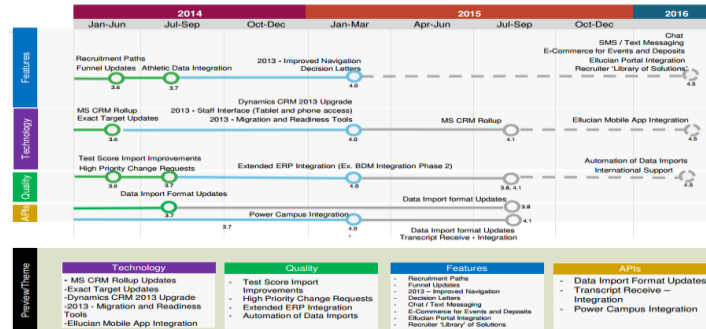
Colleague Student



Banner Student



Ellucian Recruiter Roadmap

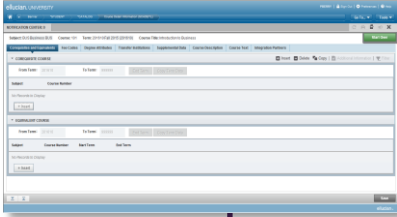


www.ellucian.com/roadmaps

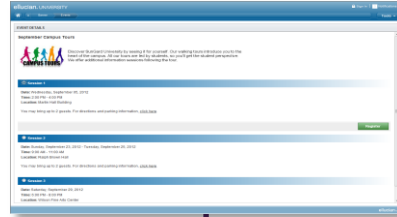
New Banner student modules

Emphasis on modularity and incremental adoption

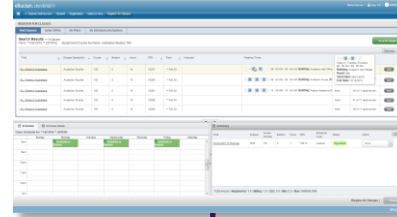
Student class schedule



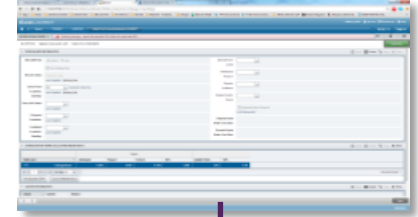
Events management



Registration controlled release



Registration in production

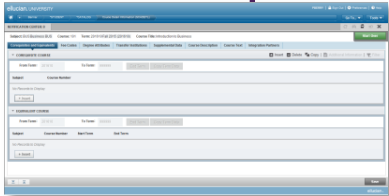


2012

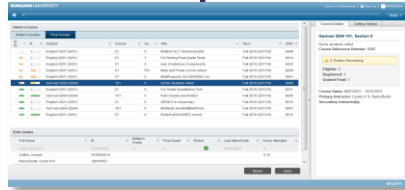
2013

2014 and beyond...

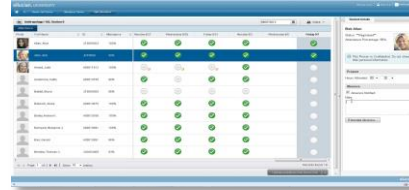
Course catalog



Faculty grade entry

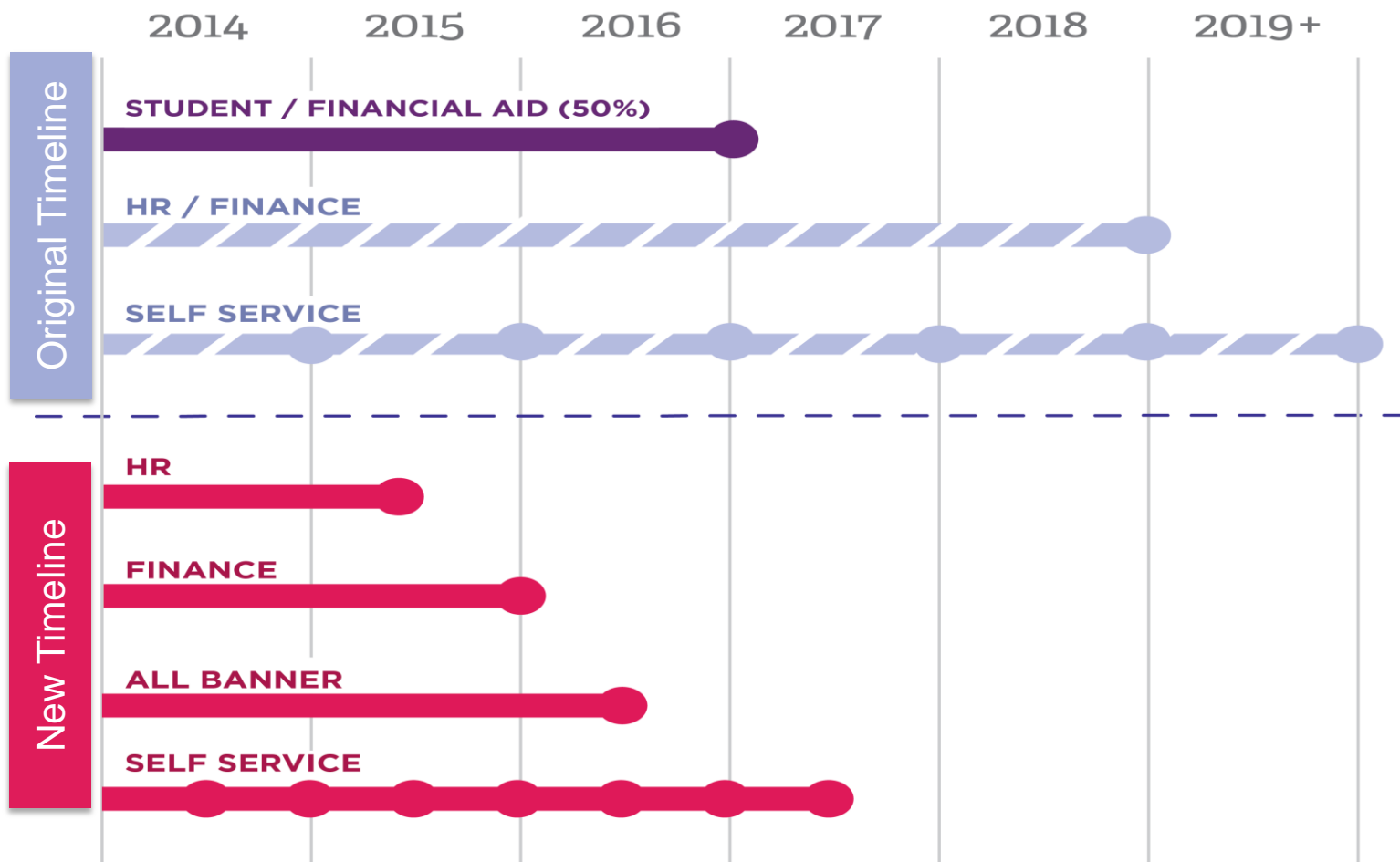


Attendance tracking

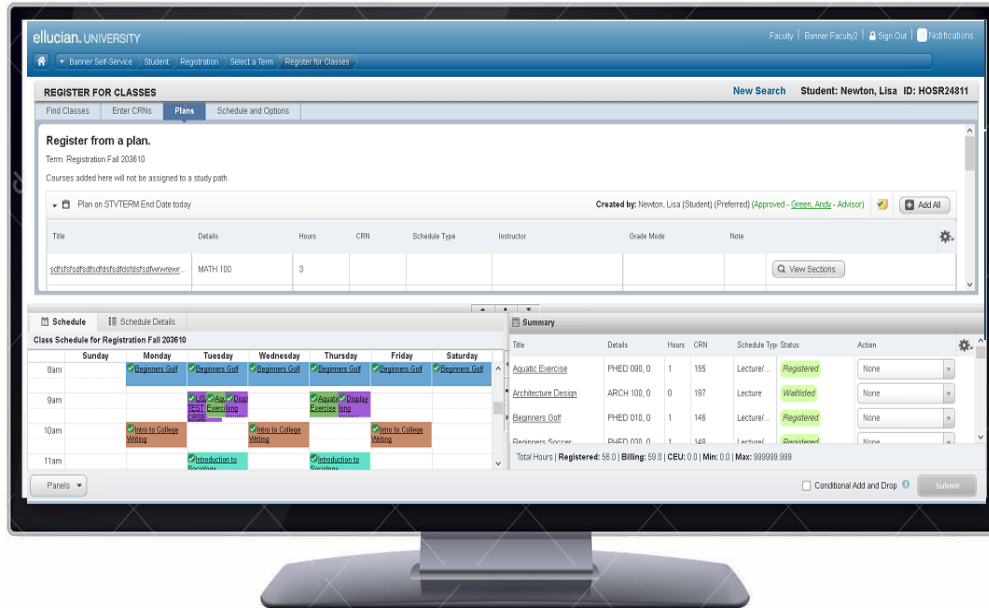


Advising student profile





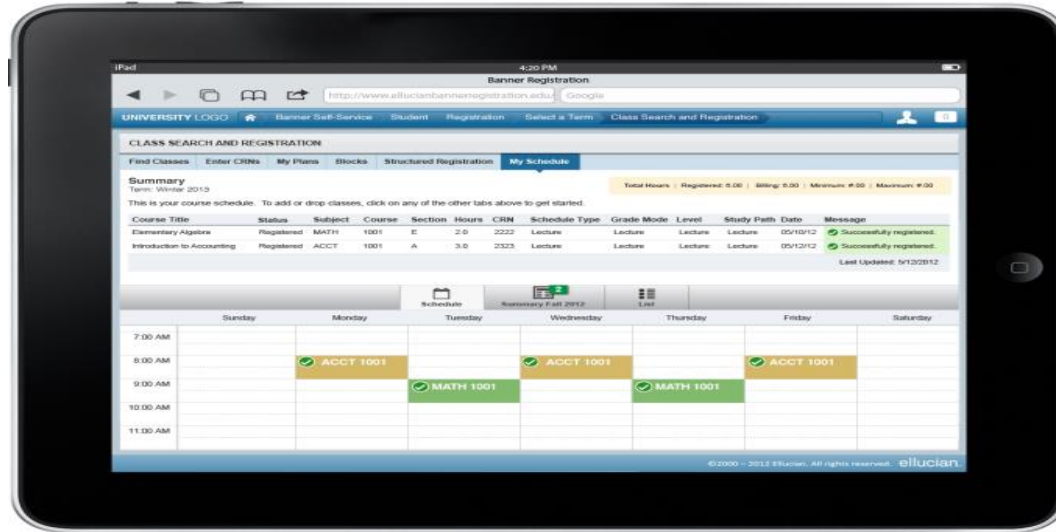
Registration Today



“This was an implementation that was just a dream—we have yet to have a single negative comment on our registration listserv or any calls to our office with issues...the students thought it was very intuitive and easy to use and used both the registration planning and registration function.”

University of Oklahoma

Ellucian Mobile – registration now available

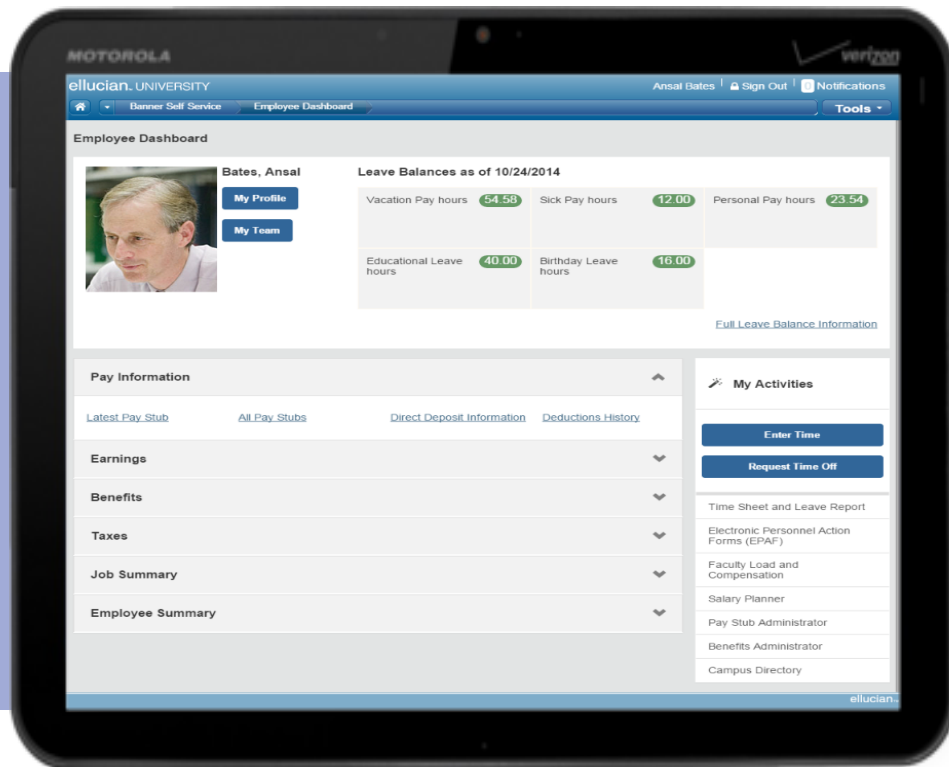


- Top requested feature by wide margin

Employee Profile

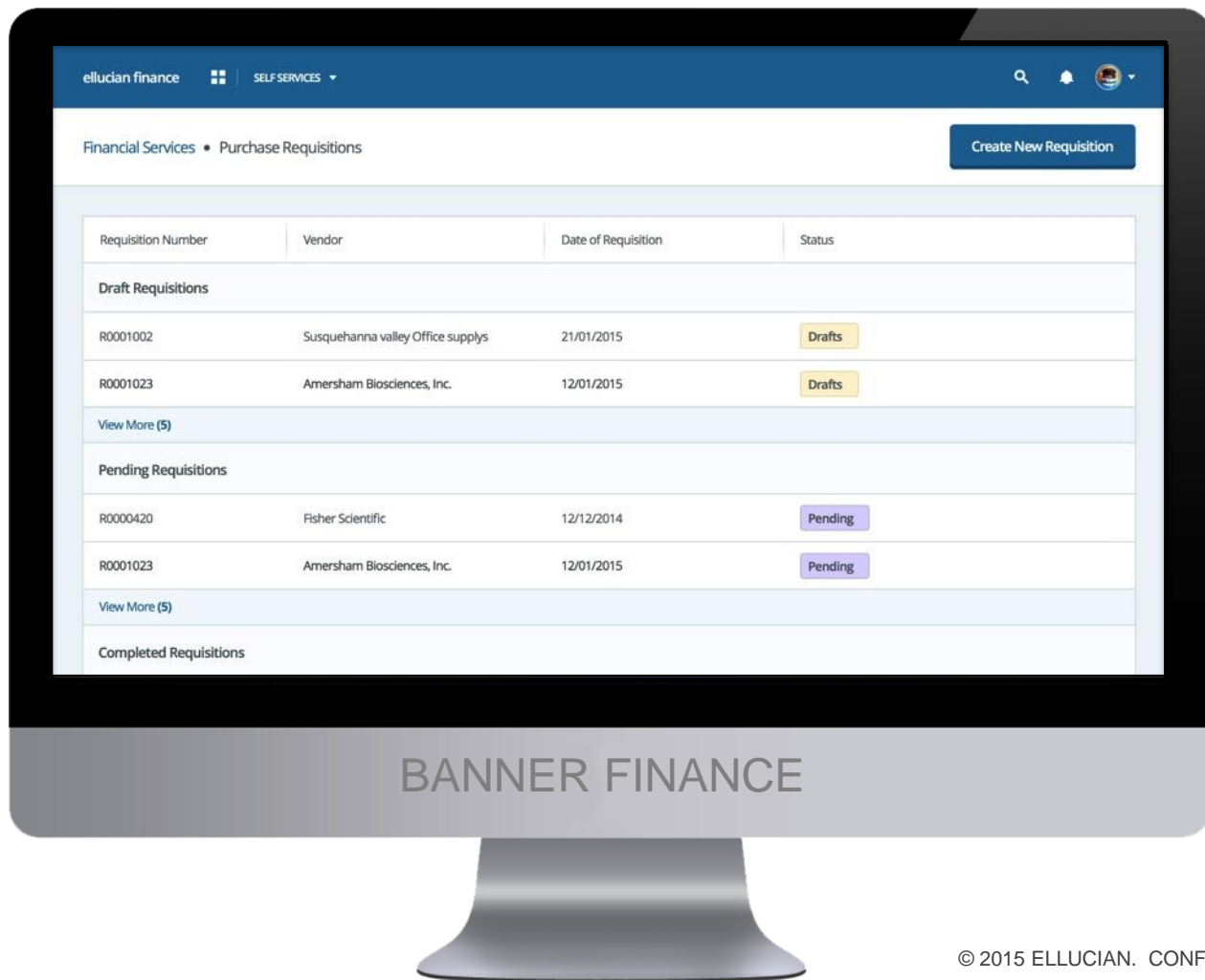
“Wow—this is sleek, user friendly, condensed, and really, really nice! Can’t wait to use it all the time. Awesome!”

Usability Testing, Summer 2014

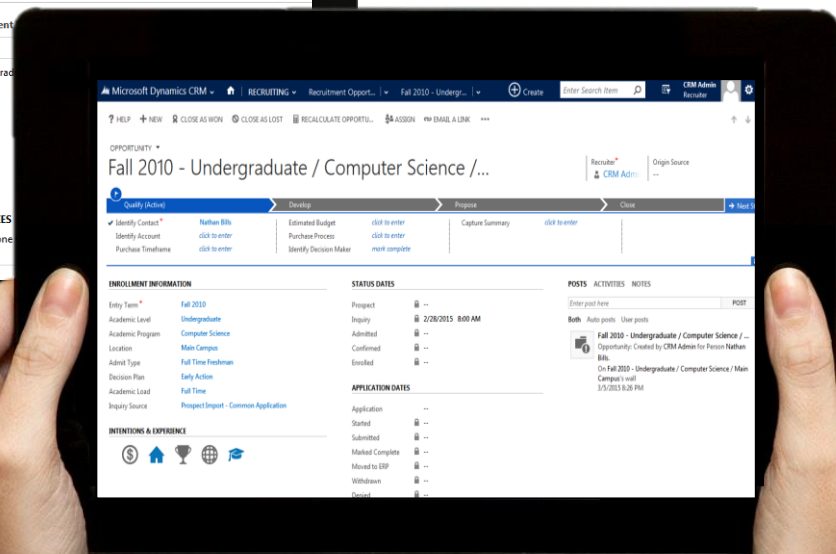
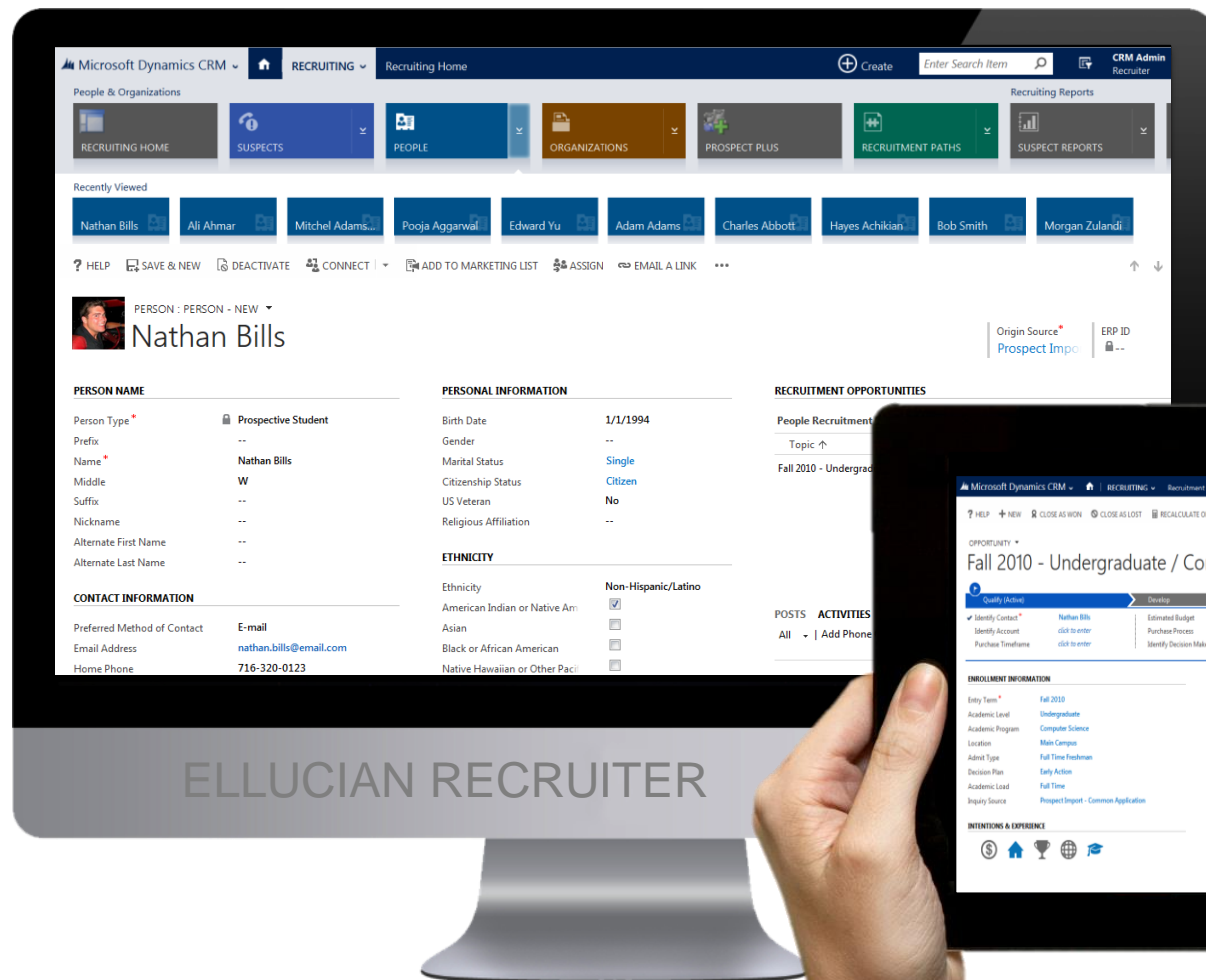


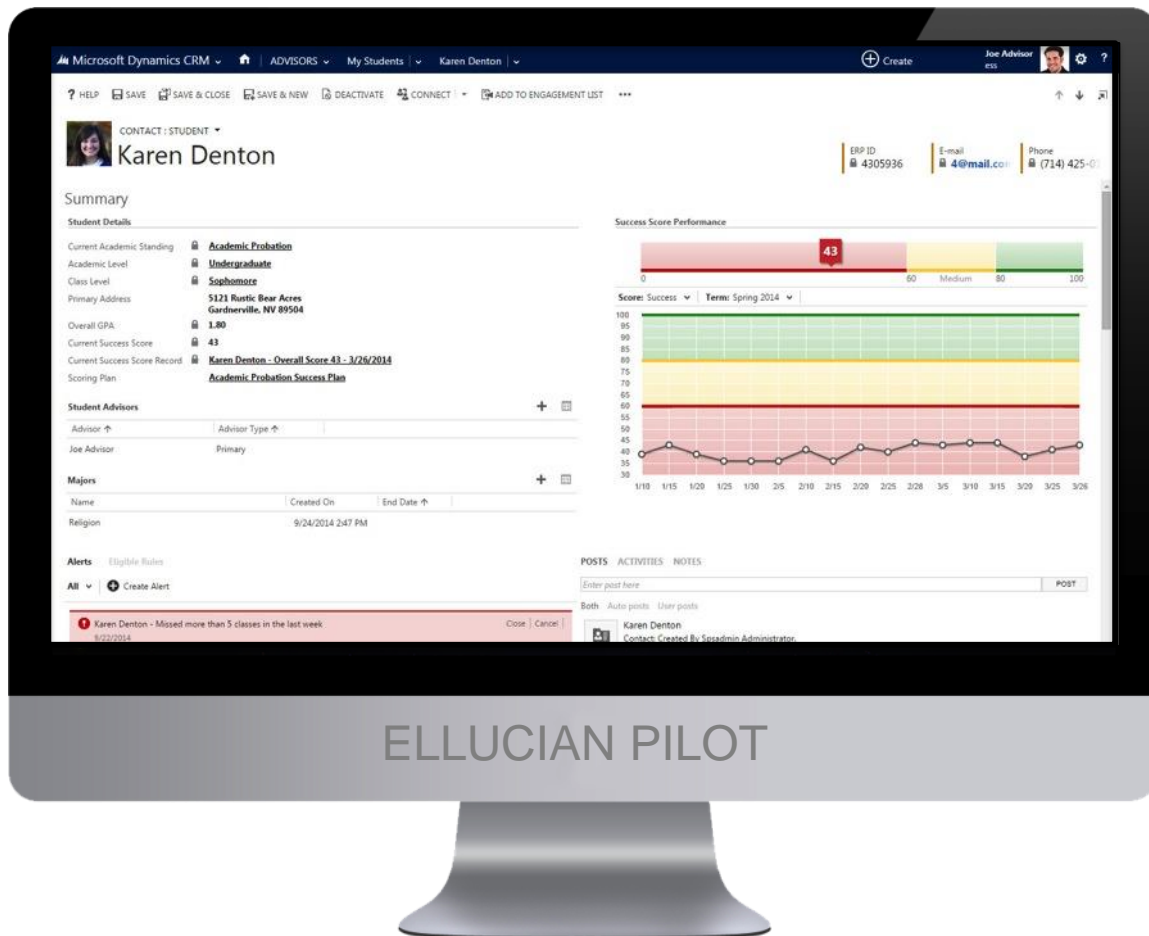


BANNER HR

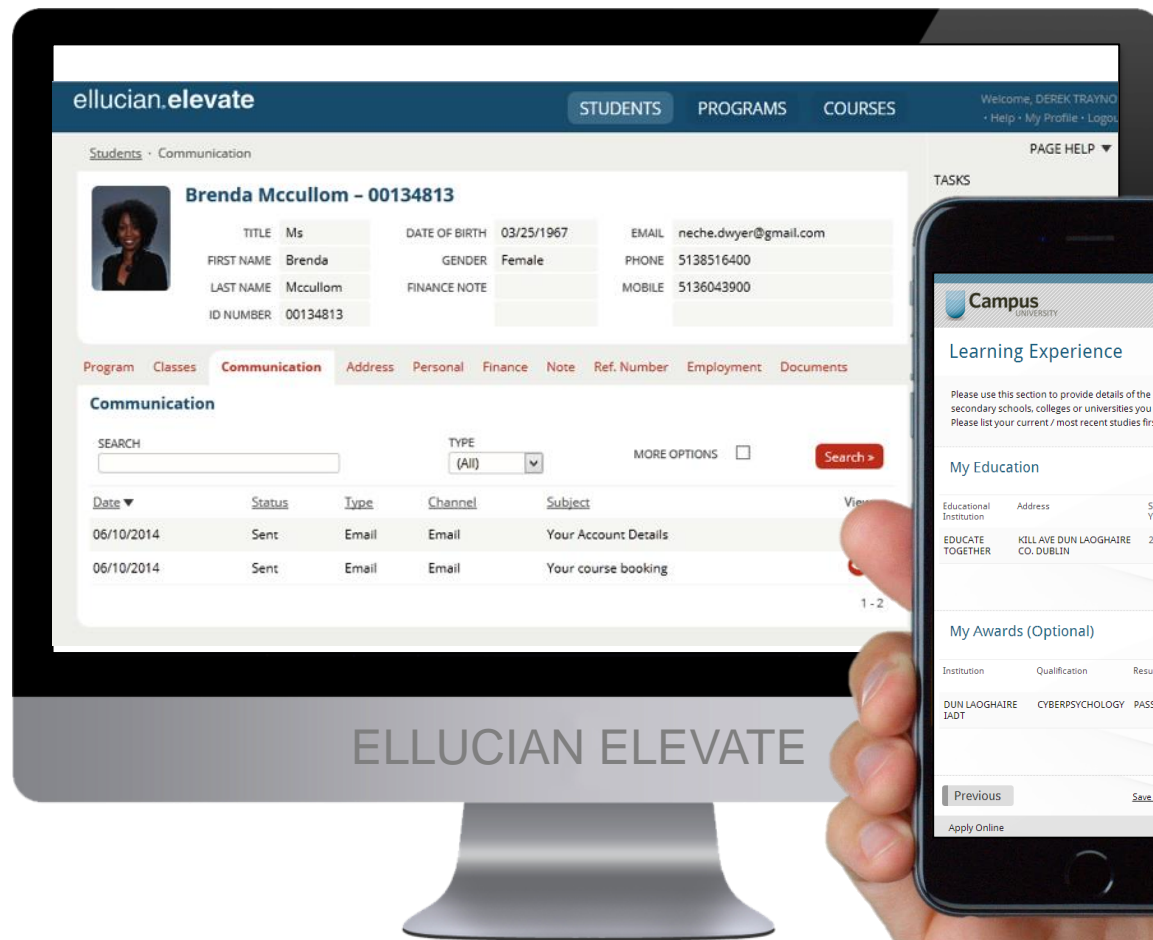


BANNER FINANCE





ELLUCIAN PILOT



ellucian.elevate

STUDENTS

PROGRAMS

COURSES

Welcome, DEREK TRAYNO

• Help • My Profile • Logout

Students • Communication

PAGE HELP ▾



Brenda McCullom - 00134813

TITLE	Ms	DATE OF BIRTH	03/25/1967	EMAIL	neche.dwyer@gmail.com
FIRST NAME	Brenda	GENDER	Female	PHONE	5138516400
LAST NAME	Mccullom	FINANCE NOTE		MOBILE	5136043900
ID NUMBER	00134813				

Program Classes **Communication** Address Personal Finance Note Ref. Number Employment Documents

Communication

SEARCH

TYPE

(All) ▾

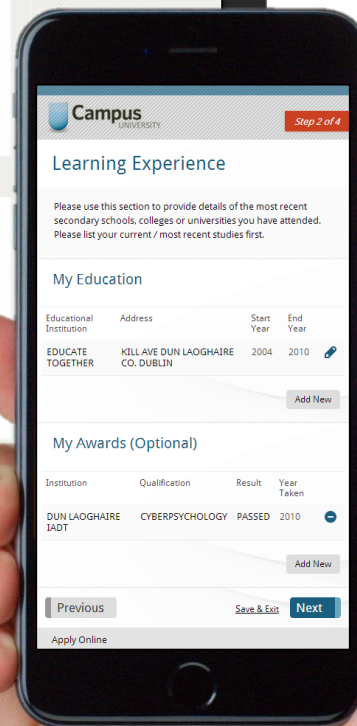
MORE OPTIONS ☐

Search >

Date ▾	Status	Type	Channel	Subject	View
06/10/2014	Sent	Email	Email	Your Account Details	
06/10/2014	Sent	Email	Email	Your course booking	

1 - 2

ELLUCIAN ELEVATE



Campus
UNIVERSITY

Step 2 of 4

Learning Experience

Please use this section to provide details of the most recent secondary schools, colleges or universities you have attended. Please list your current / most recent studies first.

My Education

Educational Institution	Address	Start Year	End Year	
EDUCATE TOGETHER	KILL AVE DUN LAOGHAIRE CO. DUBLIN	2004	2010	

Add New

My Awards (Optional)

Institution	Qualification	Result	Year Taken	
DUN LAOGHAIRE IADT	CYBERPSYCHOLOGY	PASSED	2010	

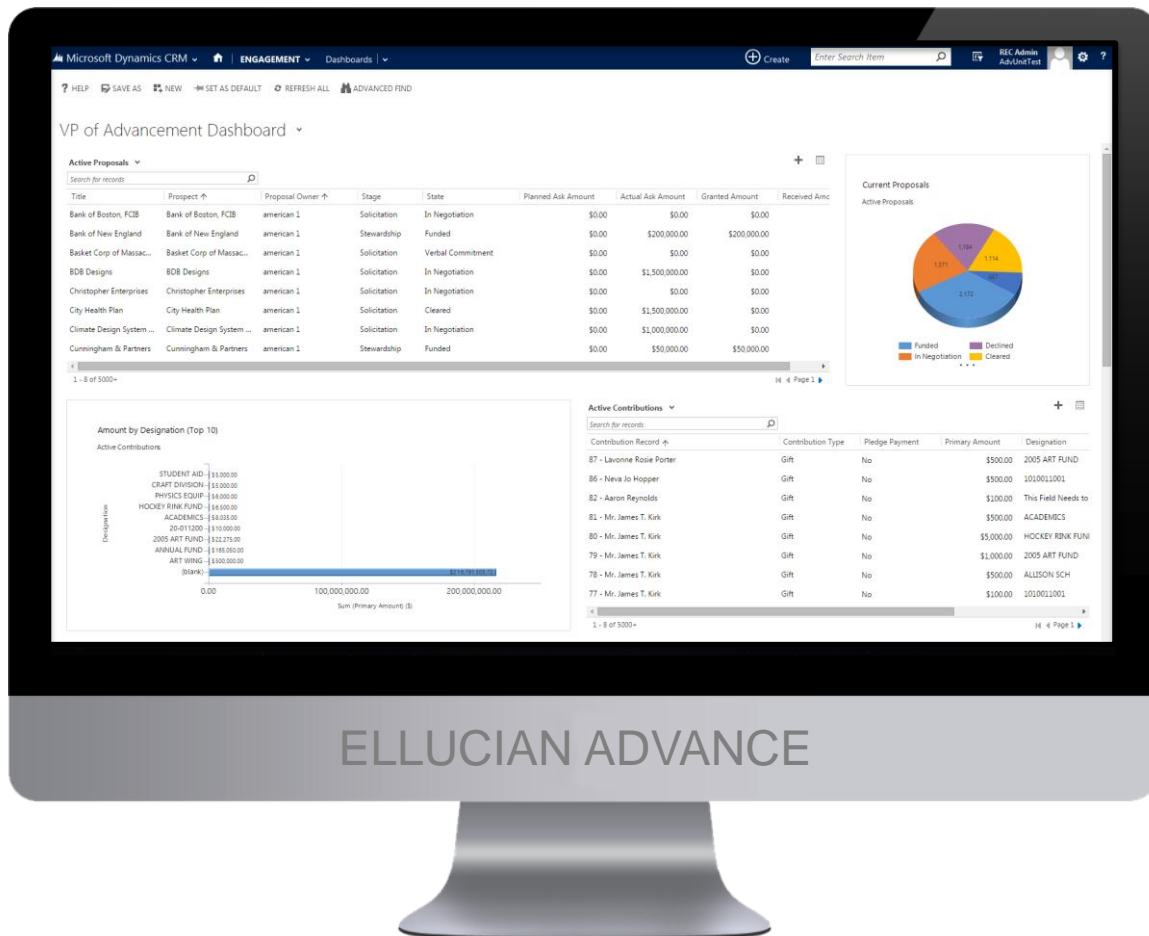
Add New

Previous

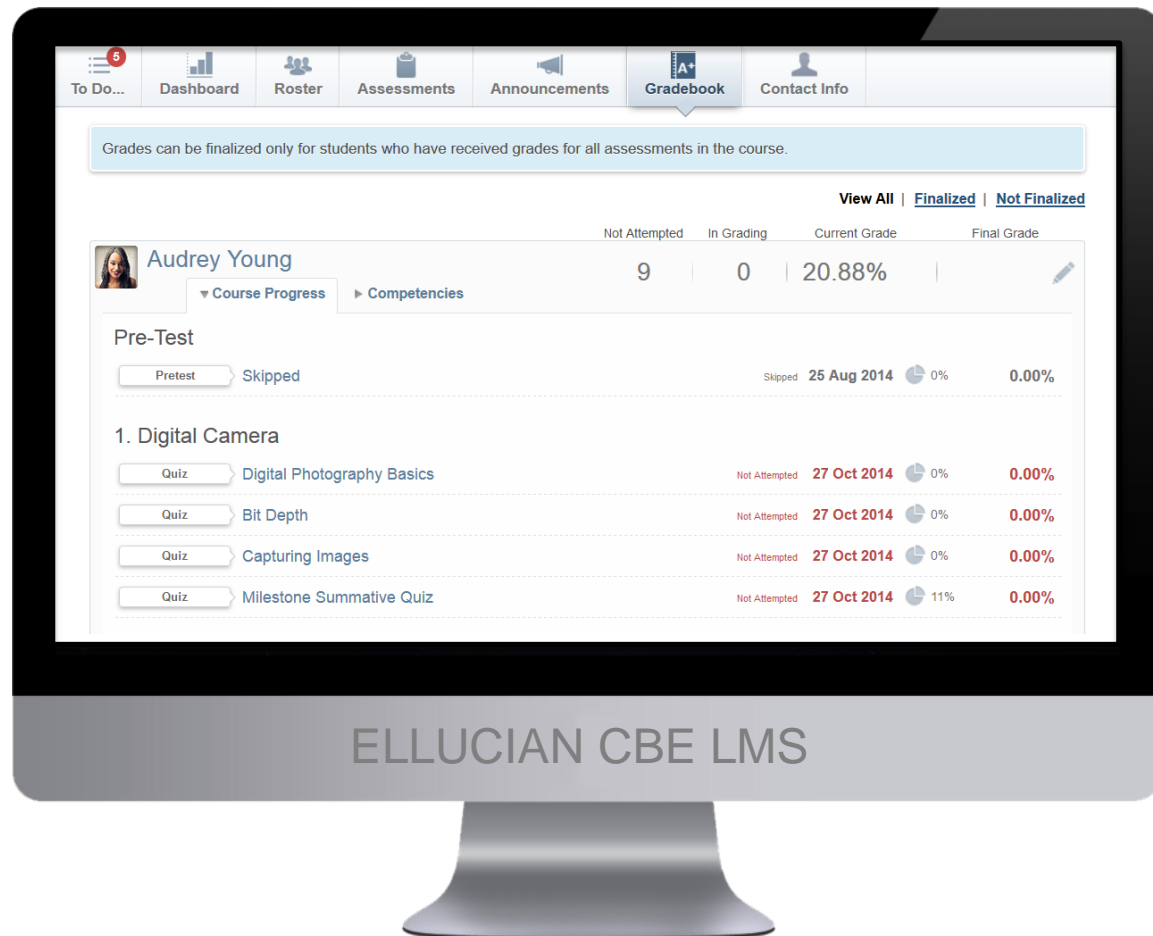
Save & Exit

Next

Apply Online

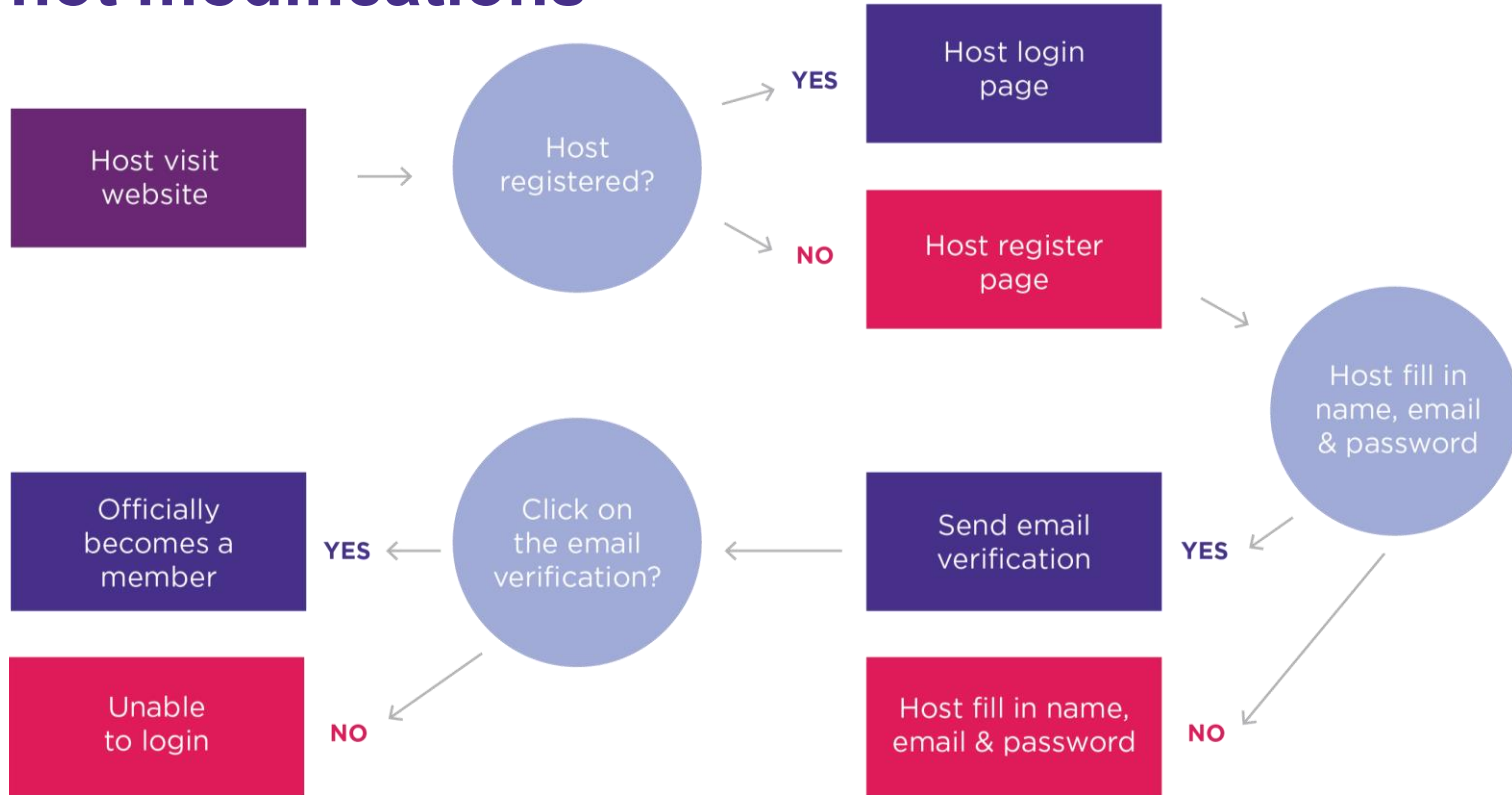


ELLUCIAN ADVANCE



ELLUCIAN CBE LMS

Evolve to “implementations as configurations, not modifications”



Expand cloud readiness

- Ellucian cloud services are **designed specifically for colleges and universities**
- Our solutions deliver the benefits of cloud computing while **protecting institutions' IT investments**
- Institutions are moving cautiously to the cloud because of unique higher education challenges
- **Opportunities are ripe for institutions** to consider the cloud as they implement new services, seek to reduce costs, and improve performance
- **Ellucian will be there to help**



ACCELERATION



USER EXPERIENCE



YOU MAINTAIN CONTROL



ellucian

FIVE POINT CLOUD STRATEGY



COMMITTED TO CHOICE

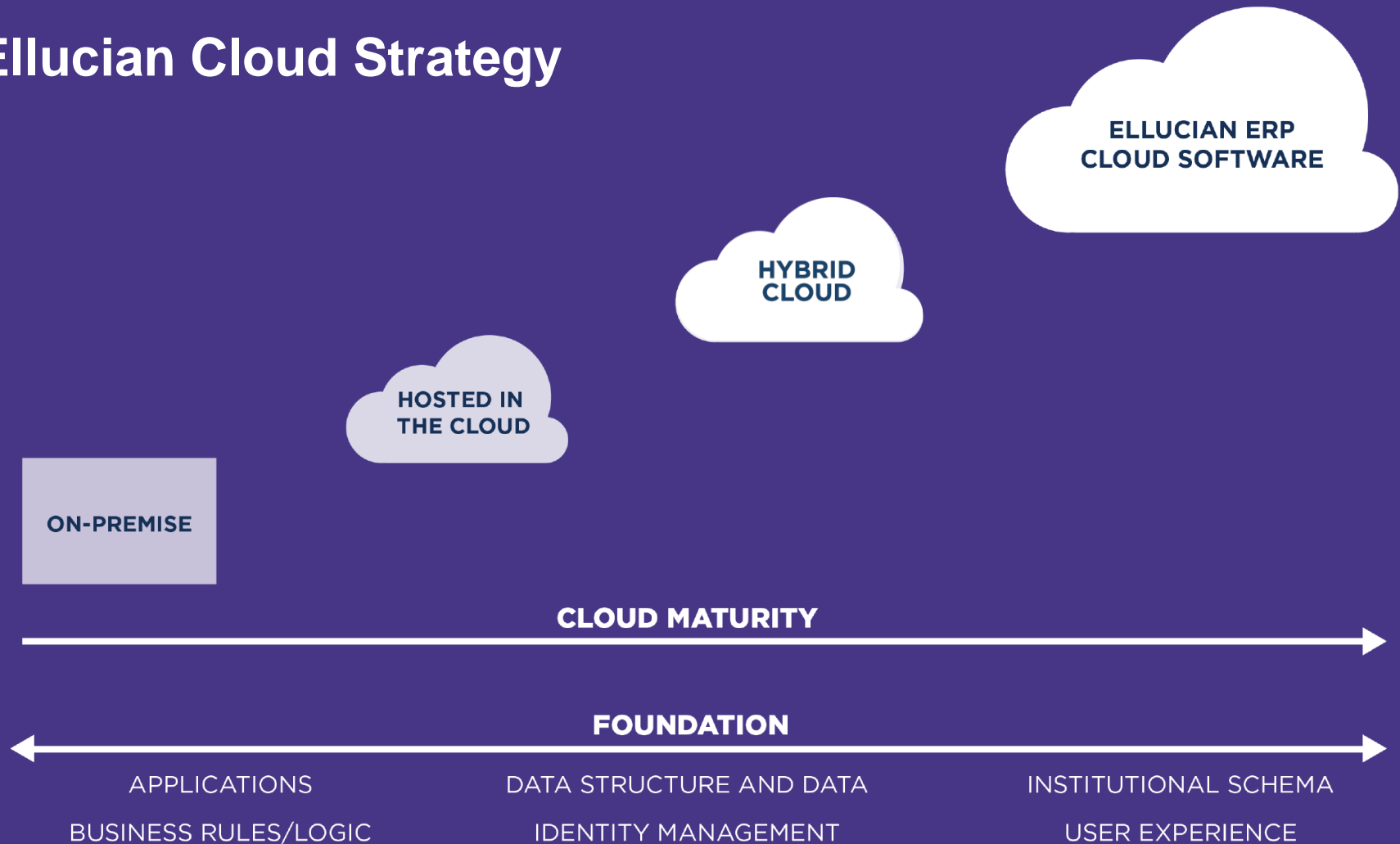


LOW COST OF OWNERSHIP



**BANNER CLOUD
& COLLEAGUE CLOUD**

Ellucian Cloud Strategy



A dark purple background featuring a complex network of white lines and circles of varying sizes, resembling a molecular or digital network structure. The central text is prominently displayed in white.

RIGHT NOW

ellucian
eTranscripts

ellucian
Pilot

ellucian
Enterprise CRM

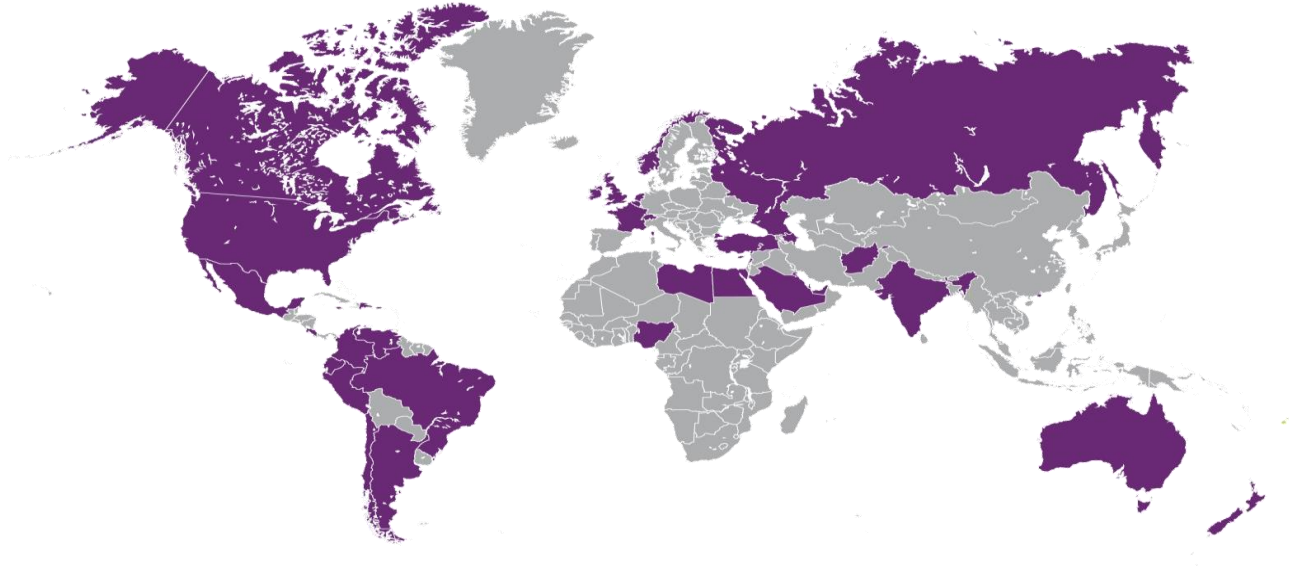
ellucian
Elevate

ellucian
Mobile

ellucian
Recruiter

ellucian
Talent Management Suite

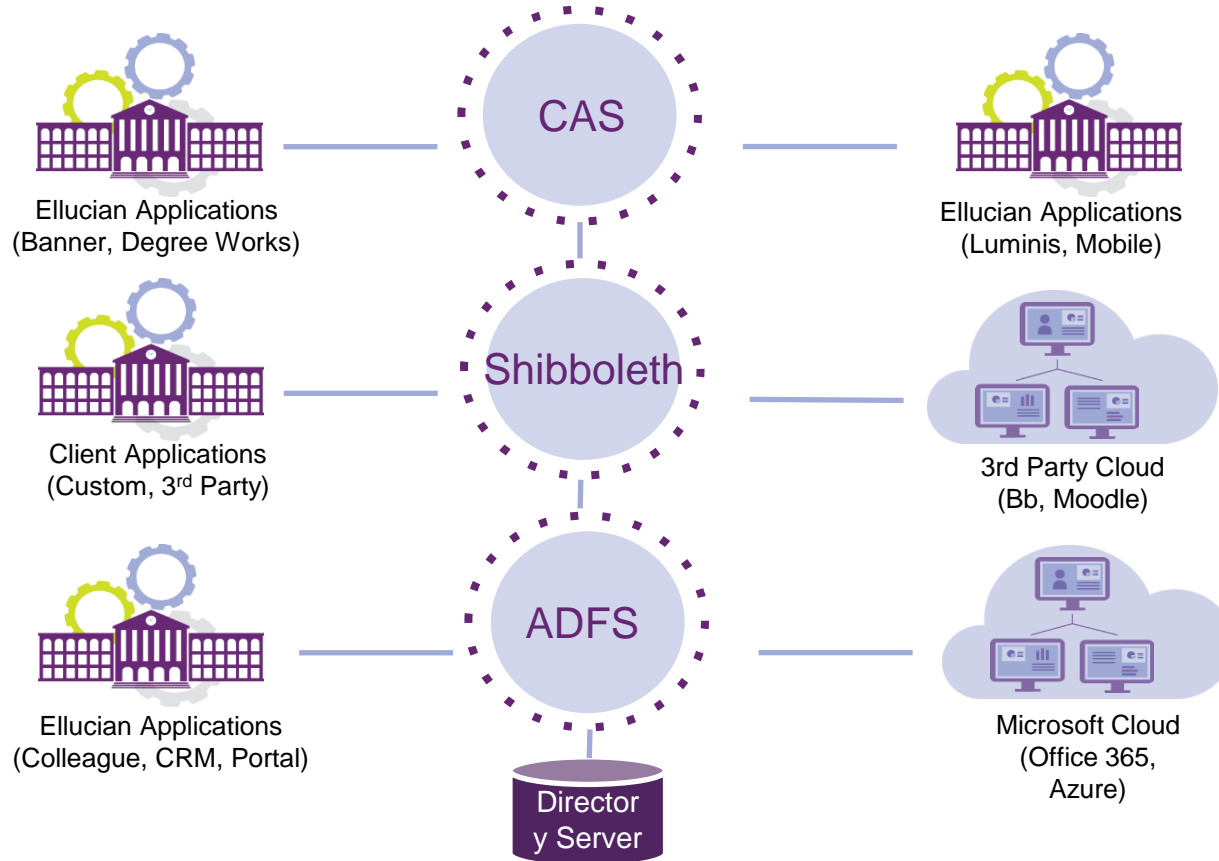
Move to products designed to be global from the start



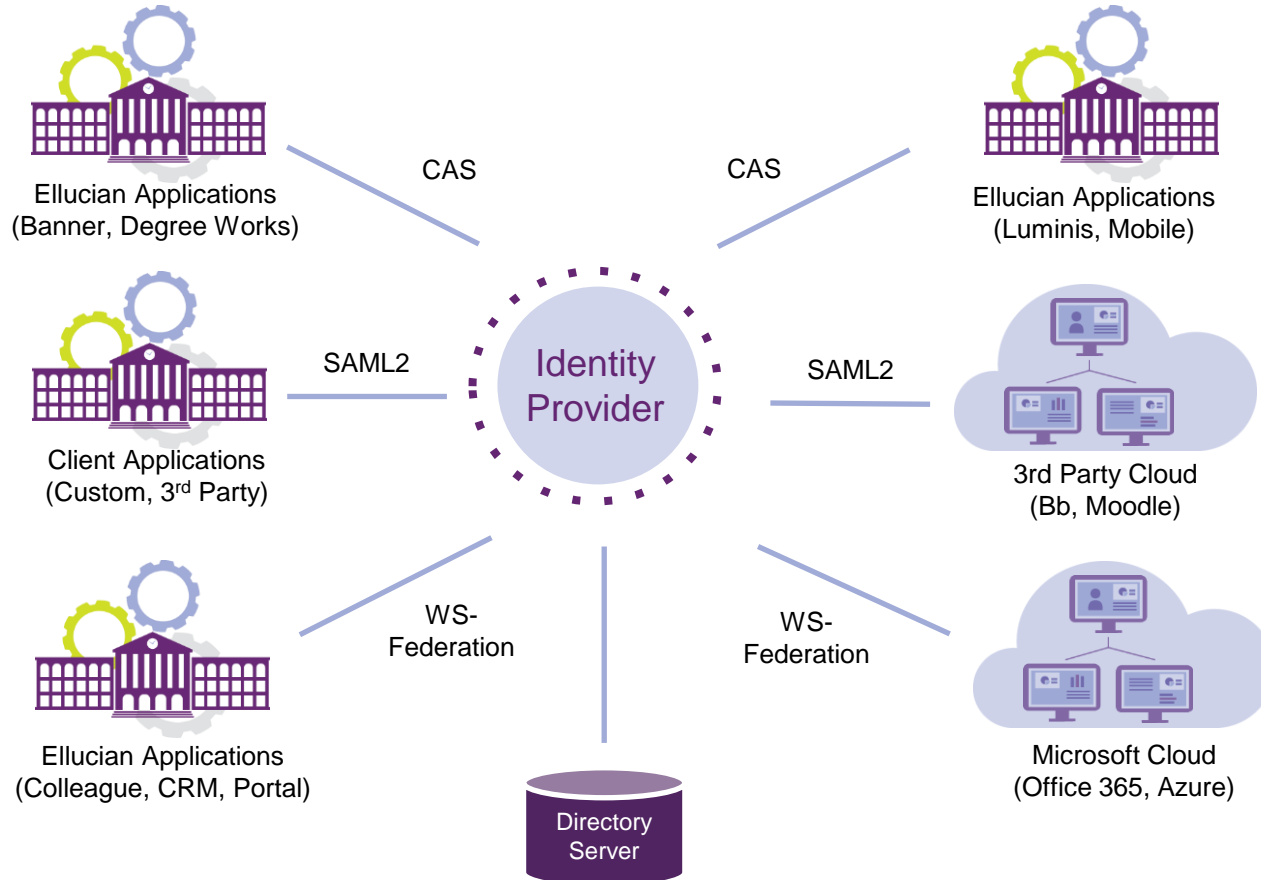
Ellucian serves clients in 40 countries

ELLUCIAN IDENTITY MANAGEMENT

Identity Management Then



Ellucian Identity Service now



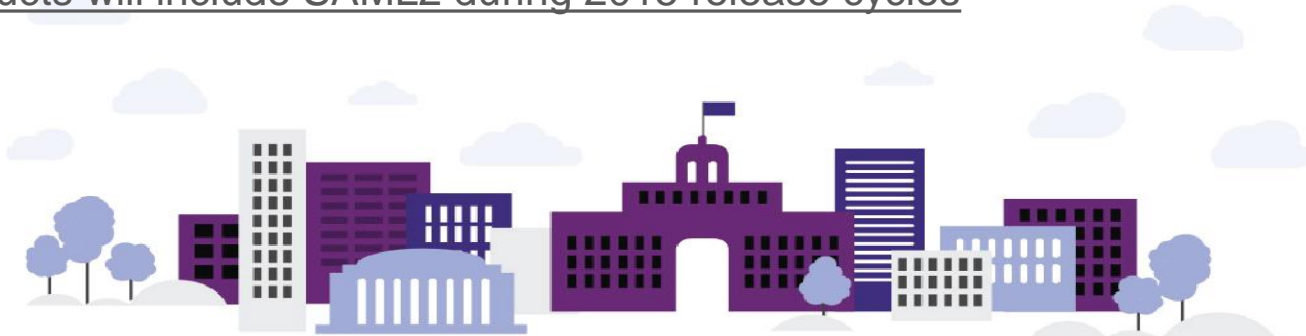
Identity Management – Generally Available

- **Ellucian Identity Service**

- Open-source technology product selected – WSO2 Identity Server
- Includes support for SAML2, WS-Federation, and many others
- Can replace CAS Server, Shibboleth, and ADFS

- **Improved Support for Standards**

- Plan to support SAML2 as new SSO standard starting in 2015
- Ellucian Platform provides standard libraries for consistent adoption
- Products will include SAML2 during 2015 release cycles



Ellucian IDM strategy and direction

- **Ellucian Identity Management**

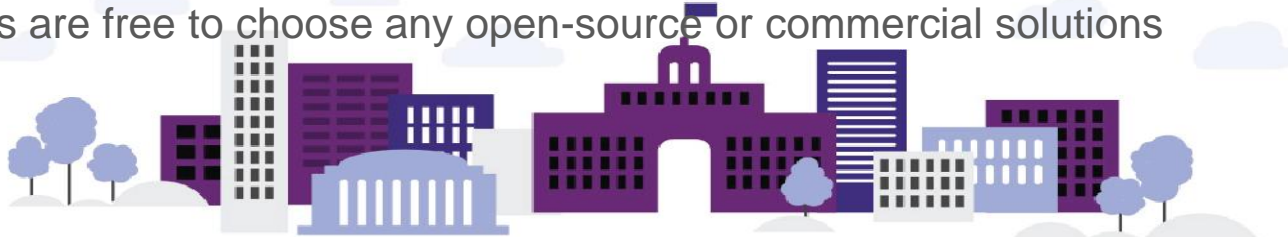
- All Ellucian products will support common industry standards
- Ellucian Platform provides insulation from future technology changes

- **Ellucian Identity Provider**

- Default Identity Provider (IDP) for all Ellucian products
- Open source and represents no licensing costs
- Supports all common industry standards
- Can be replaced by another IDP that supports the same open standards

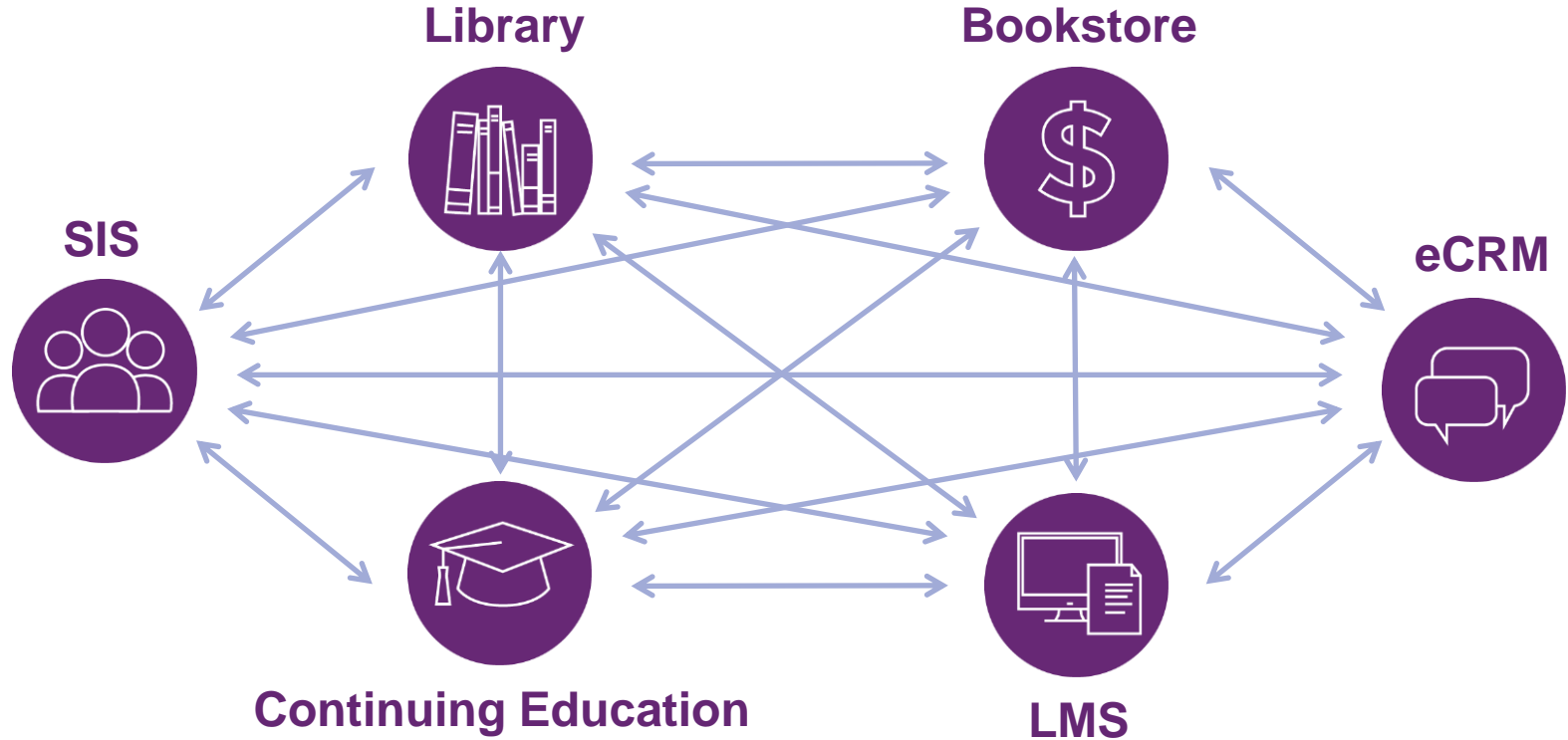
- **Ellucian Partner Program**

- Plan to test and certify with top commercial IDM vendors
- Clients are free to choose any open-source or commercial solutions

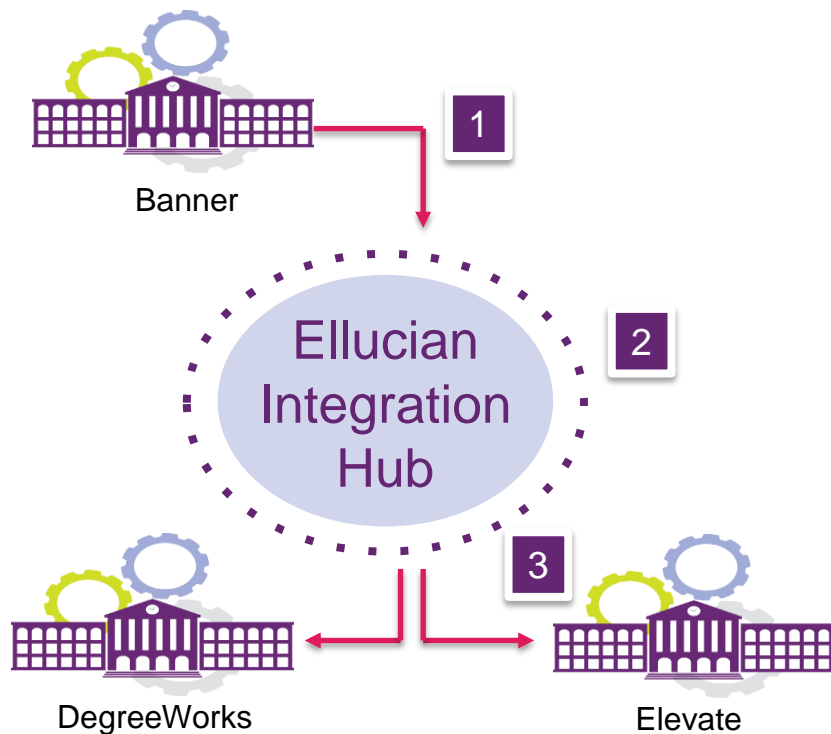


ELLUCIAN DATA INTEGRATION

Point to point integration is expensive and brittle



Ellucian integration hub



1

New course added in Banner

2

**Message published to Hub for
any interested subscribers**

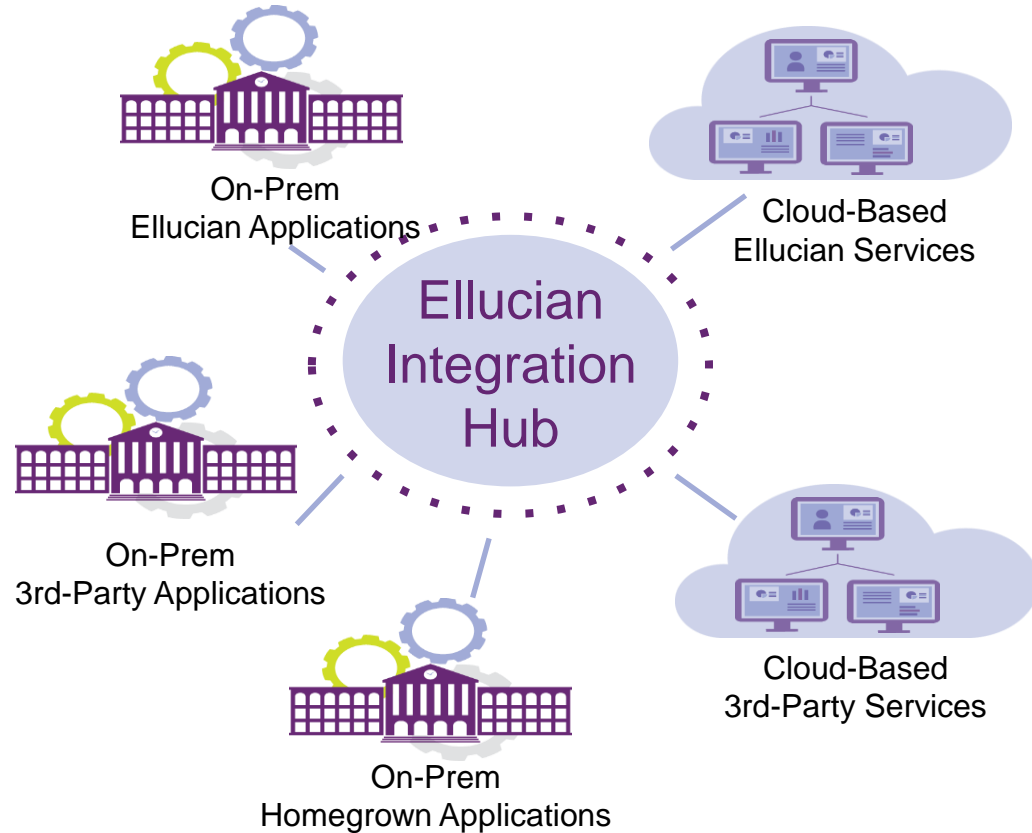
3

**DegreeWorks and Elevate
receive notification and
process new course**

Ellucian Integration Hub

Core Components

- **Ellucian Integration Hub**
Cloud service to enable standard integration across all Ellucian products
- **Higher Education Data Model (HEDM)**
Standard data model across all Ellucian products
- **Application Services**
REST web services in each application to communicate with the Hub



Ellucian Higher Education data model

- **Work closely with domain experts to define data model**
 - Documenting application concepts and terminology
 - Understanding 30+ years of evolution
- **Distilling fundamental concepts to create data model**
 - Reconciling concepts, not creating a “Super Set”
 - Refining terminology
- **Data format will be in JSON**
 - JSON (JavaScript Object Notation) is an open standard format that uses human-readable text to transmit data objects consisting of attribute–value pairs. It is used primarily to transmit data between a server and web application, as an alternative to XML.
 - Although originally derived from the JavaScript scripting language, JSON is a language-independent data format. Code for parsing and generating JSON data is readily available in a large variety of programming languages.

An easier way to consume data: Ellucian Higher Education data model

+ Entity: COURSES

+ NAME: ENG101

– DESCRIPTION:

This course is designed to reinforce composition and grammar and it often taken...

– CREDITS: 3

+ REQUIREMENTS

- ...

- ...

+ SCHEDULING

- ...

- ...

+ NAME: MTH101

– DESCRIPTION: This course is...

Complexity eliminated

Universal information access

Easy to consume JSON formats

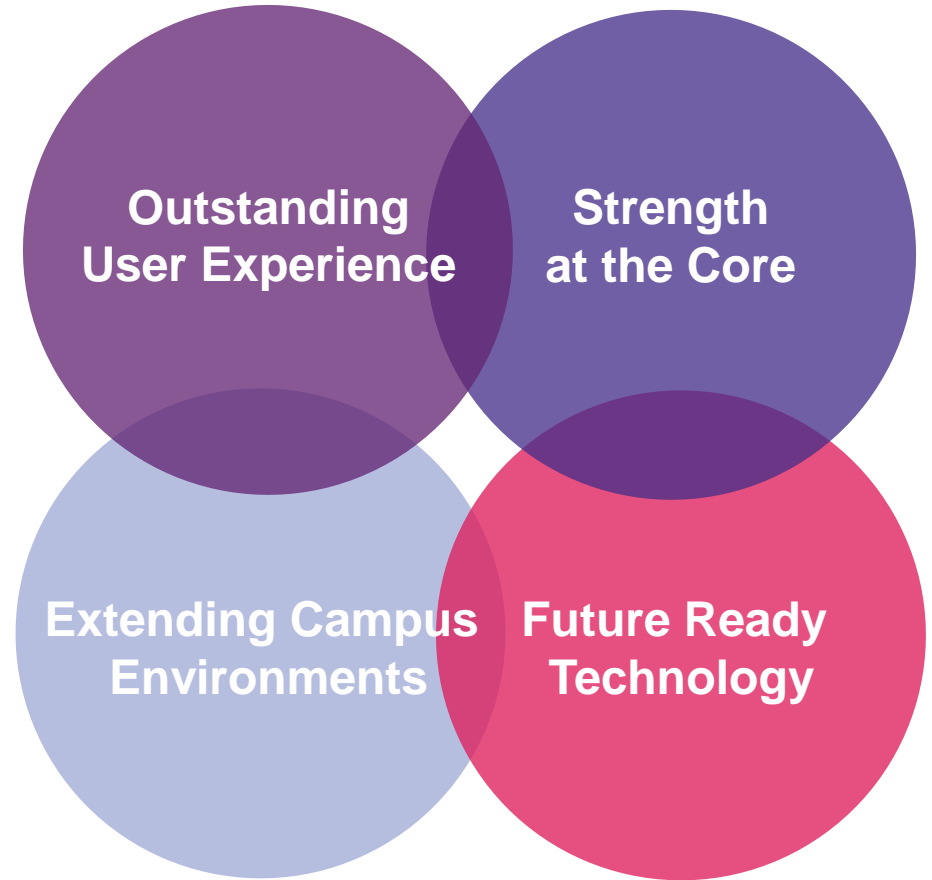
ESB, IPaaS, and 3rd-Party Applications

- **Ellucian provides freedom of choice of vendors to provide integration tools and services**
 - ESB (Enterprise Service Bus) provides tools for creating adapters, data transformation, etc.
 - IPaaS (Integration Platform as a Service) is basically the same as an ESB, but it is provides as service in the cloud
- **3rd-party and homegrown applications are integrated to the Ellucian Integration Hub through the use of a ESB or IPaaS**
- **Ellucian partners can certify integration with the Hub**
- **Ellucian customer can share the custom connectors they create for 3rd-Party application through the Community Source Initiative repository**



Ellucian Technology

WHAT IT MEANS FOR YOU



QUESTIONS AND ANSWERS