2018 NCES STATS-DC Data Conference

One State, Two Initiatives:
Indiana's Embrace of e-Transcripts and Credential Engine

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Overview

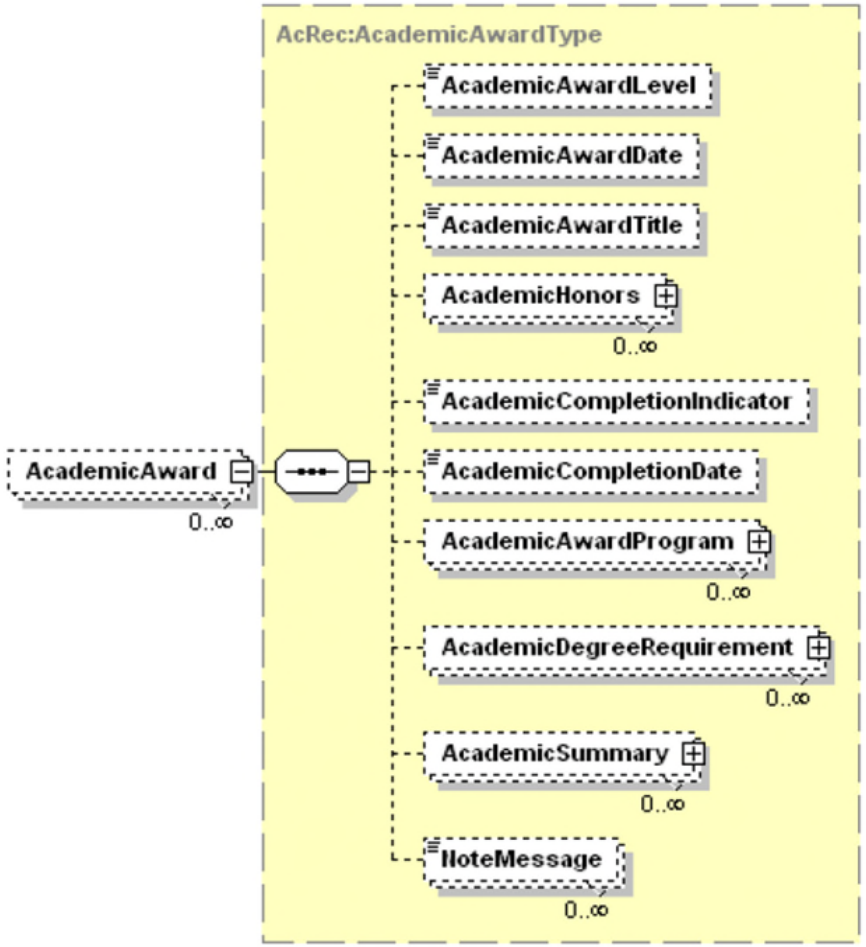
- Indiana e-Transcript Program
- Indiana Scale-up of Credential Engine
- How these two initiatives and others fit together in a larger context, including:
  - Emphasis on Competencies
  - Use of Standards (XML and CTDL)

Indiana e-Transcript Program

Indiana e-Transcript Program

- The Program from Past to Present
  - High School to College
  - Since 2005, more than 1.5 million high school transcripts have been sent
  - About 200,000 are now sent each year
  - Now sending transcripts as XML data files, as well as PDF's

Indiana e-Transcript Program
PESC Schema



Indiana e-Transcript Program Interlocking Responsibilities

Legislatively Mandated Responsibilities

Indiana Commission for Higher Education
- Receives State Appropriation
- Administers the Program
- Contracts with Parchment

Indiana Department of Education
- Issues the common e-Transcript
- Reflects state mandates on e-Transcript
- Communicates with School Districts

Indiana Public Colleges and Universities
- Specifies data fields needed for admission

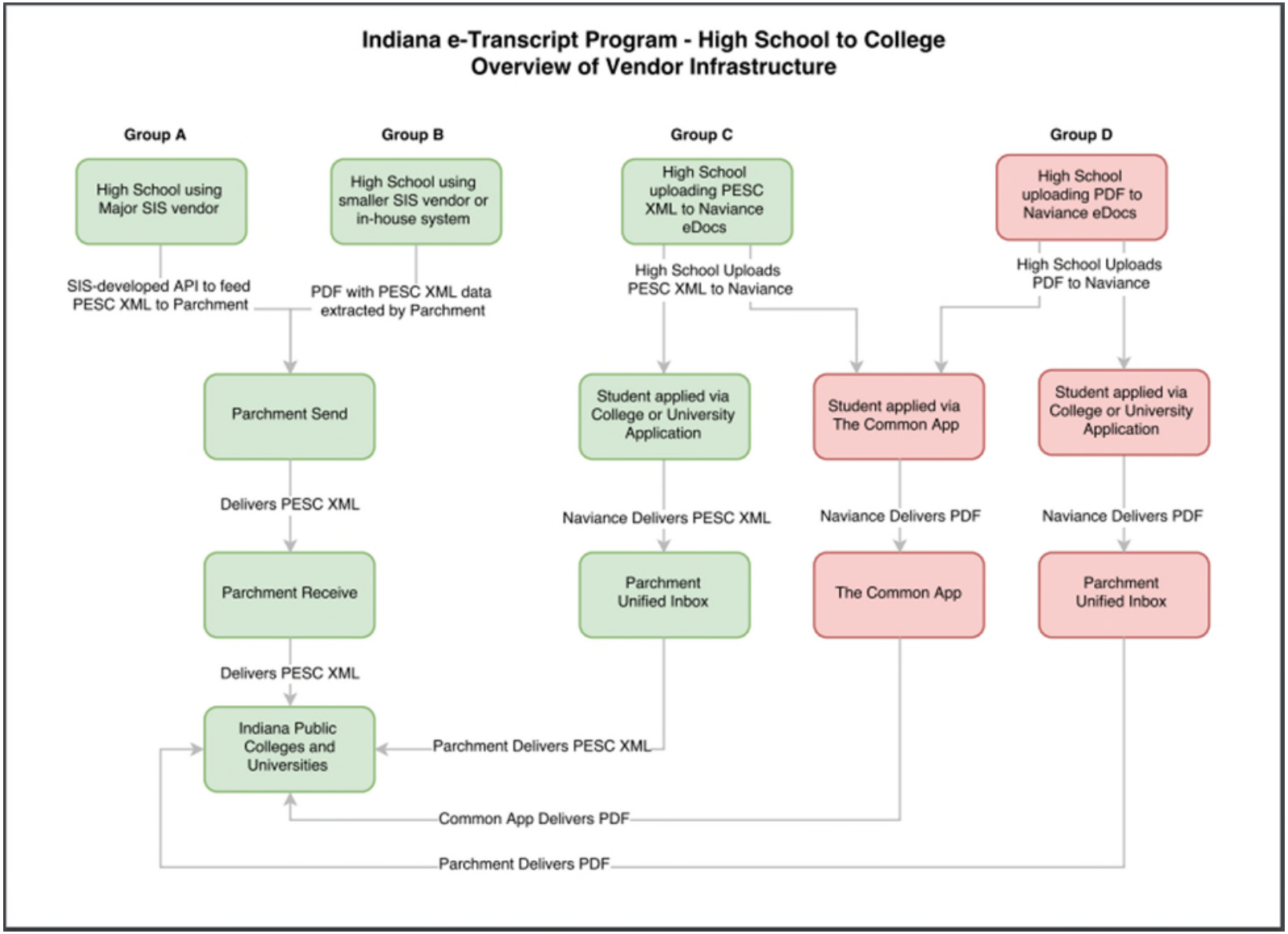
Parchment
- Provides e-Transcript Platform

Indiana e-Transcript Program
High School SIS Vendor Data

Indiana e-Transcript Program - High School to College
Public High Schools and Students by Type of Student Information System

SIS System	High Schools Number	High Schools Percent	High School Students Number	High School Students Percent
Group A - High Schools Using Major SIS Vendor				
PowerSchool	135	*35.0%*	125,830	*40.5%*
Harmony	92	*23.8%*	35,470	*11.4%*
Skyward	51	*13.2%*	56,957	*18.3%*
Information Now	29	*7.5%*	22,229	*7.2%*
RDS	23	*6.0%*	31,794	*10.2%*
Specialized Data Systems	13	*3.4%*	6,151	*2.0%*
SunGard eSchoolPlus	8	*2.1%*	9,044	*2.9%*
Subtotal - Group A	**351**	***90.9%***	**287,475**	***92.5%***
Group B - High Schools Using Smaller SIS Vendor or In-House System				
Other	26	*6.7%*	14,214	*4.6%*
Infinite Campus	6	*1.6%*	6,011	*1.9%*
Synergy	3	*0.8%*	3,110	*1.0%*
Subtotal - Group B	**35**	***9.1%***	**23,335**	***7.5%***
Groups A and B - All Public High Schools				
Total - Groups A and B	**386**	***100.0%***	**310,810**	***100.0%***

Indiana e-Transcript Program Vendor Infrastructure



Indiana e-Transcript Program
The Emerging Future 1

- Determining eligibility for state financial aid
- Harvesting more data for more granular analysis around student success
- College-to-College XML e-Transcripts
  - Multi-Directional Transfer
  - Reverse Transfer
  - Dual Credit

Indiana e-Transcript Program
The Emerging Future 2

- Comprehensive Learner Records/Enhanced Transcripts
  - Competencies
  - Certifications
  - Workplace Experiences
  - Workplace Skills
  - Project-based Learning
  - Critical Thinking

Credential Engine

Indiana Scale-up of Credential Engine

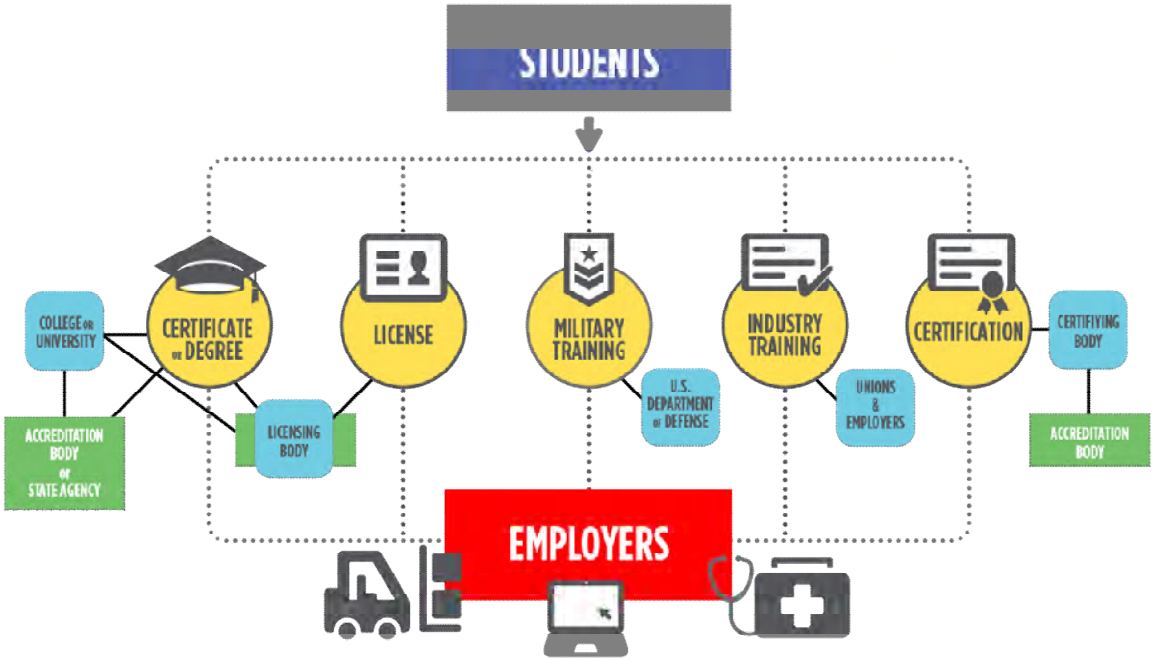
- The Scale-up from Past to Present
  - Indiana: the first statewide scale-up of Credential Engine
  - Initial emphasis on health-related credentials
  - Half of the grant went to incorporate military allied health credentials
  - Work has gone far beyond initial emphasis

Credential Engine
Indiana Credentials and Organizations on the Credential Registry

Number of Indiana Organizations (Credential Providers)	
All Public Colleges and Universities	16
Non-Profit Universities	2
All Health Licensing Boards	20
Total	**38**

Number of Indiana Credentials	
Certificates	275
Associate Degrees	259
Baccalaureate Degrees	176
Graduate Degrees	164
Health Licenses	33
Total	**907**

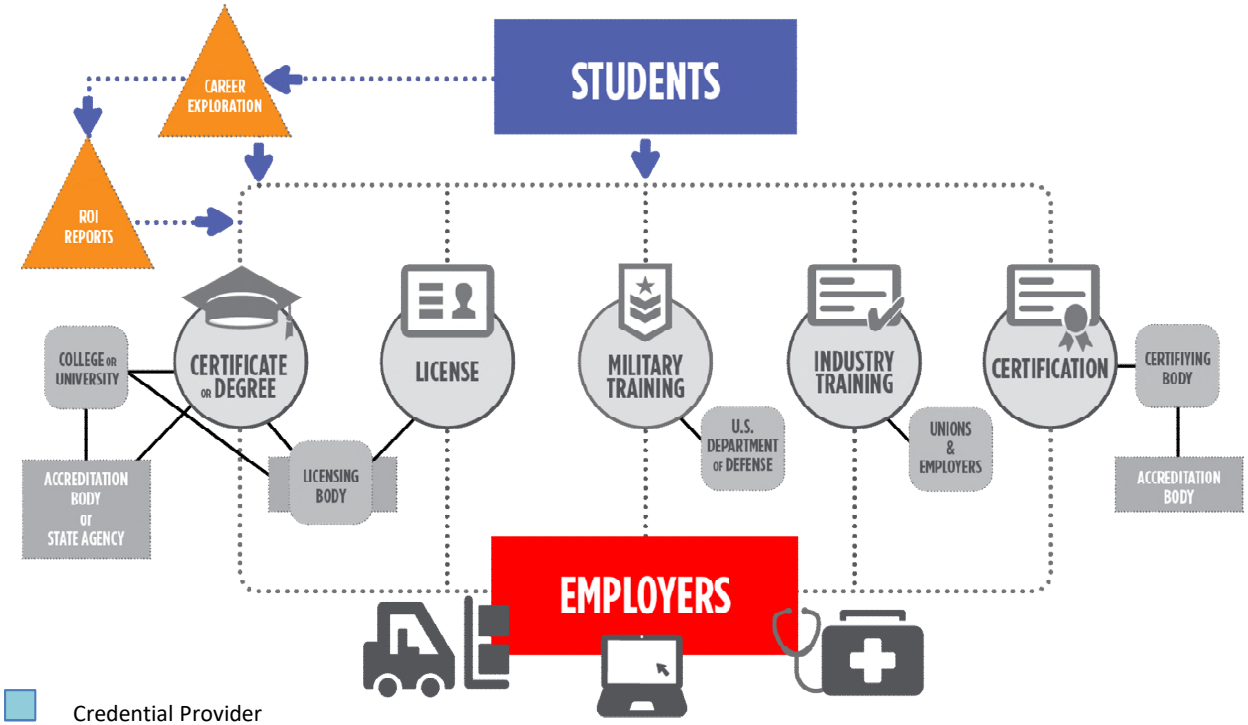
Slice 1: The Core Information



KEY:

- Credential
- Tools
- Credential Provider
- Quality Assurance Entity

Slice 2: Adding Applications and Value



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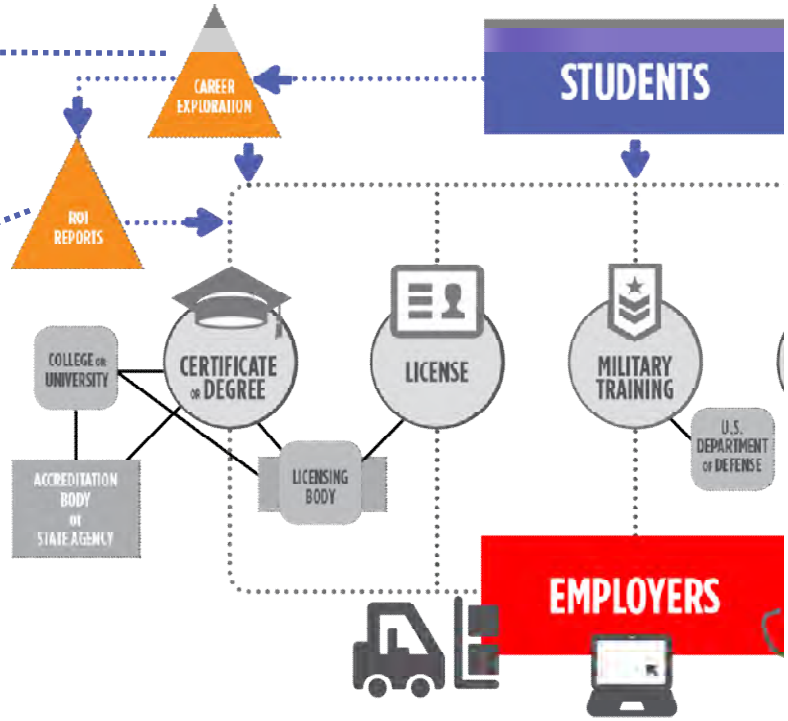
Applications Can Be Easily Linked to Credential Engine

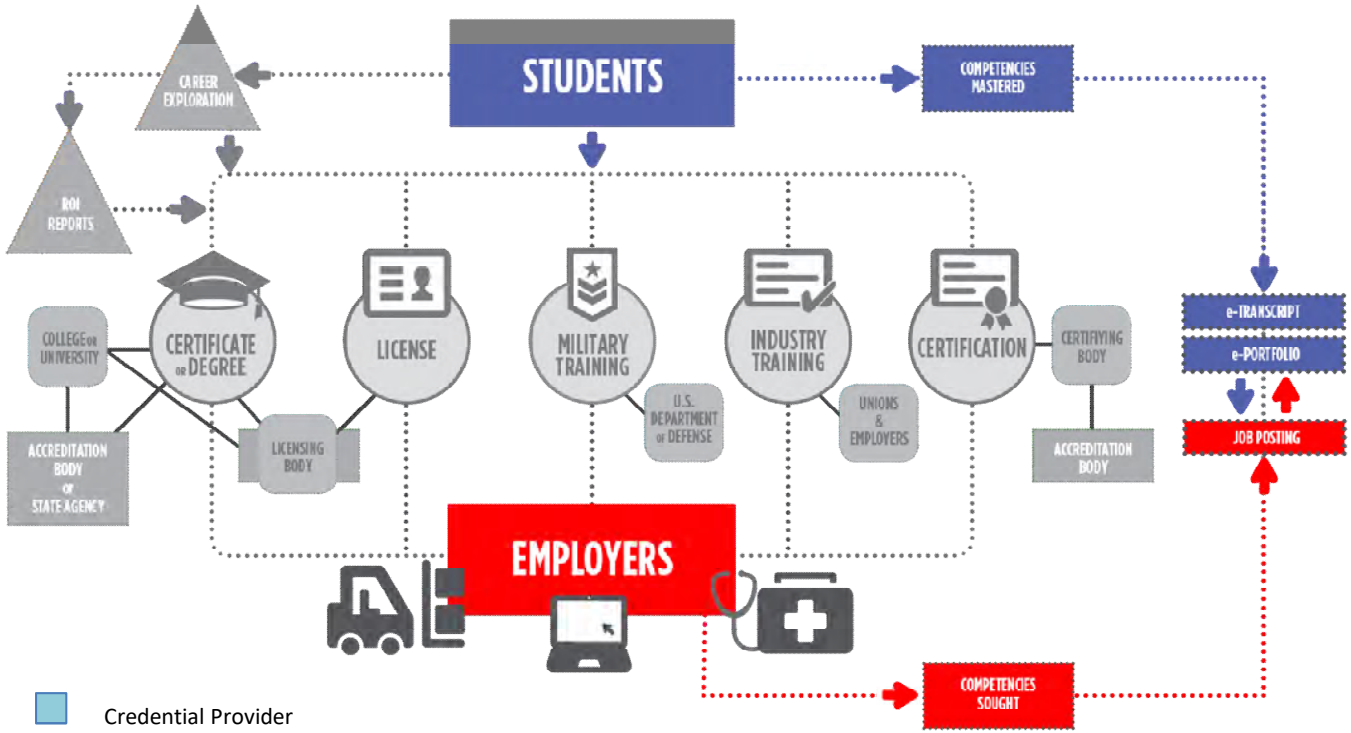
Career Explorer
Naviance
YouScience

- Tools used to explore career interests and career aptitude

DWD/CHE
Return on Investment Reports



Slice 3: Connecting Resumes and Job Postings



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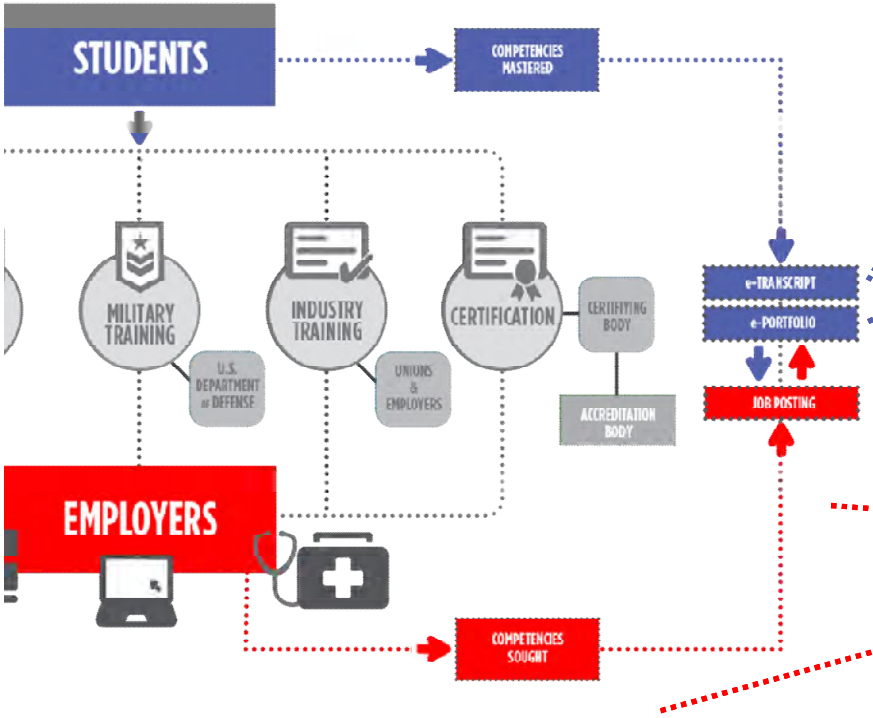
Relationship to Indiana Current or Potential Initiatives



Indiana e-Transcript Program

- HS to College
- College to College
- HS/college to employers, licensing boards, etc.

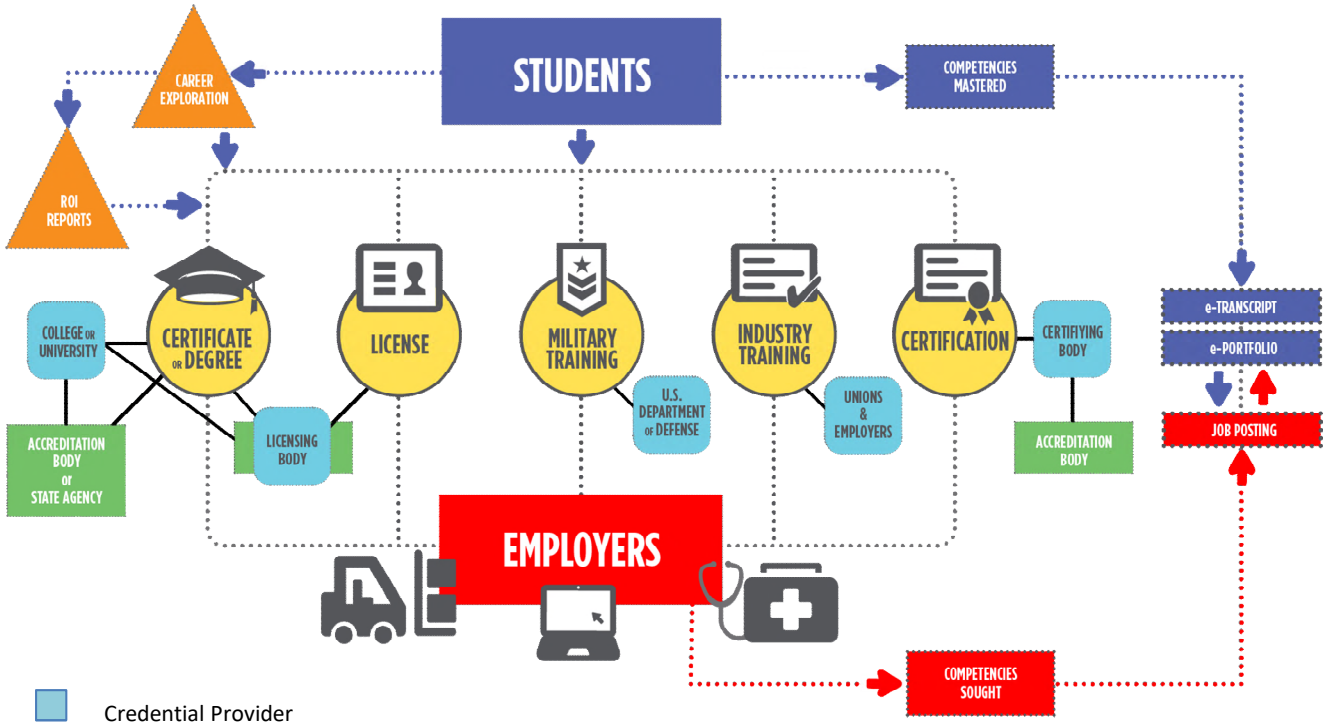
CourseNetworking

- Evidence of competencies mastered

Skillful – Markle
T3 Innovation Network (U.S. Chamber of Commerce Foundation)
Viridis

- Help employers better anticipate competencies sought in new hires

Putting It All Together



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Credential Engine
Use Cases 1-4

Healthcare Industry – By publishing all health-related credentials in Indiana on the Registry—such as certificates, certifications, licenses, and degrees of all types and levels—prospective students can better search for and understand their education and training options in the state and the competencies acquired through these credentials, helping students make more informed decisions.

Military Training and Experience – Indiana has put an emphasis on translating military training and experience into meaningful college credit. The Registry shows the Military Bridge programs that are connected with Indiana's institutions and the Defense Department's Medical Education Training Campus (METC), allowing service members and veterans to better understand their options for civilian employment in related fields.

Credential Engine
Use Cases 5-6

Dual Credit – Including Career Centers and associated Career Technical Education programs on the Registry will allow students and advisors to see which credentials can be earned from Early College Programs and will eventually show related jobs from employers.

Apprenticeships – Apprenticeship information will highlight the connections between institutions, apprenticeships, and employers.

Credential Engine Use Cases 7-8

Next Level Jobs – Incorporating Governor Holcomb's Next Level Indiana initiative, Credential Finder will allow users to search for credentials in high-priority industries driving Indiana's economy forward. The searchable information shows the programs that are associated with the Workforce Ready Grant, which pays the tuition and mandatory fees for working-age Hoosiers to earn a high-value certificate at Ivy Tech Community College or Vincennes University.

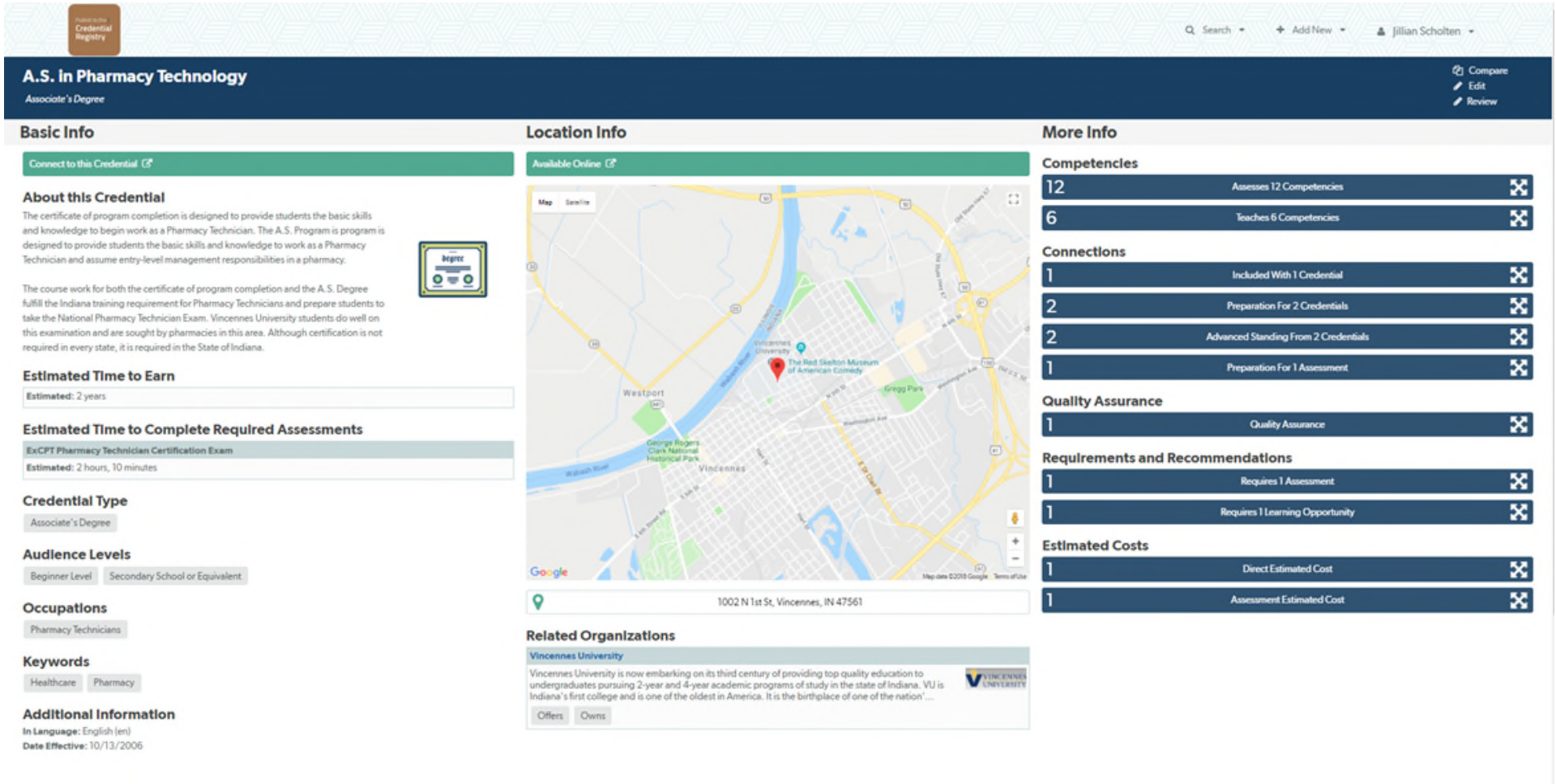
Career Exploration – In the future, the Registry data will be connected with the Indiana Career Ready website. Some of the tools on the site are mandatory exploration tools for high school students, and the Registry information will add additional layers of information, such as competencies, career pathways, and return on investment.

Credential Engine Use Cases 9-10

Return on Investment Applications – Indiana will include information about the return on investment for each credential in the Registry. Return on Investment information can help students and advisors make more informed decisions on potential career pathways.

Digital Credentials – Indiana has a strong partnership with Parchment, including work with the Indiana e-Transcript which will soon incorporate Registry data, so students are armed with rich data about their degrees and can better communicate that information to future employers.

Credential Engine
A.S. in Pharmacy Technology



Points of Convergence

- Standards facilitate convergence
- Aligning Competencies
  - Mastered by Individuals
  - Embodied in Credentials
  - Needed by Employers

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