

# A Streamlined Approach to Evaluating EdTech

1EdTech Webinar  
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# Presenters



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1EdTech Consortium

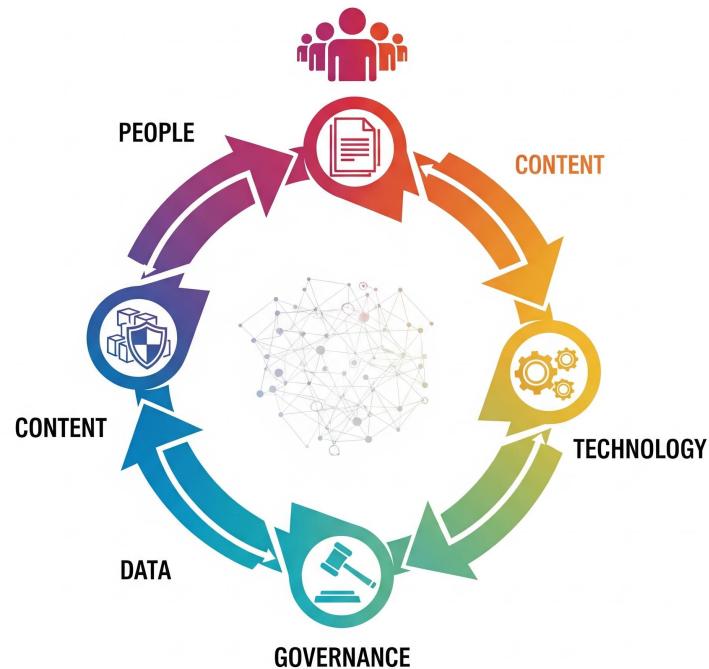


# 1EdTech Consortium

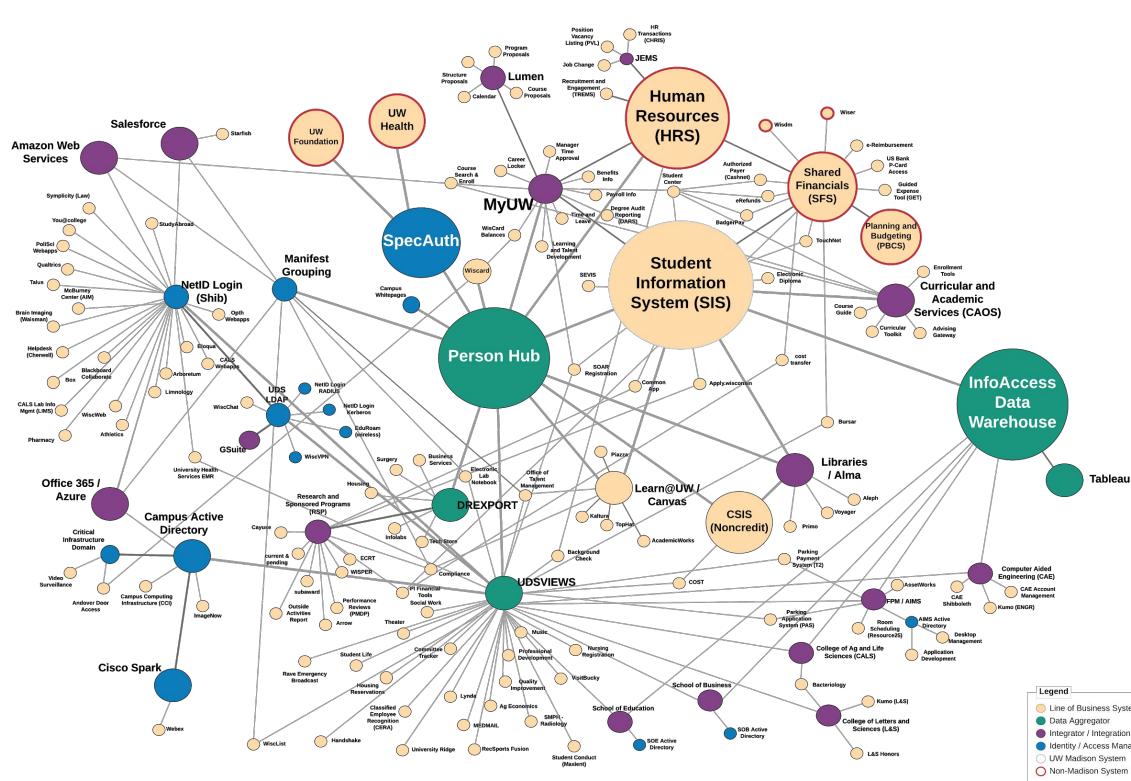
For over 25 years, we've worked to accelerate educational innovation to power learner potential through open standards & ecosystem leadership

# What is a learning ecosystem?

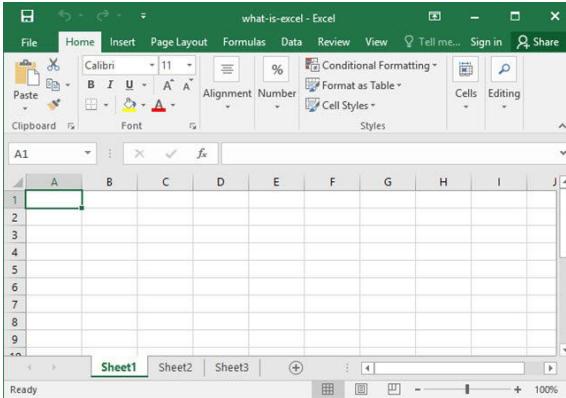
Learning Ecosystems encompass all the components that contribute to the overall learner experience



# Example Learning Ecosystem



# No Single Source for EdTech Management

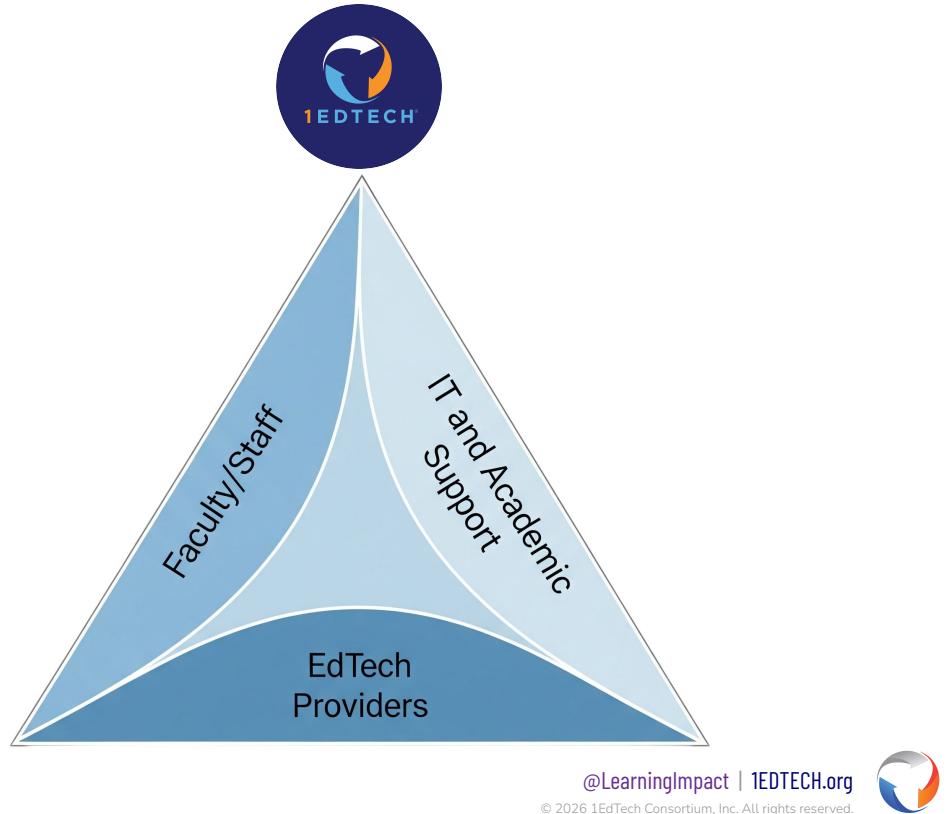


LICENSED SOFTWARE	DETAILS
Redshift Data Warehouse	Columnar-based data repository - High Performance Computing Cluster
Elastic Computing Cloud (ECC)	Windows Cloud Computing - Tableau Server
Elastic Computing Cloud (ECC2)	Linux Cloud Computing - replication and data science
Simple Storage Service (S3)	Web storage through web services interfaces
Elastic Block Storage (EBS)	Performance and reliability
Virtual Private Cloud (VPC)	Logical separation and isolation of computing resources for performance and security
Internet Protocol Security (IPSEC)	Virtual Private Network protecting data in transit
CloudCheckr	Network security
Nagios	Healthcheck monitoring for servers and databases
TrendMicro	Endpoint protection/antivirus
Skeduly	Backup management
Splunk	Log management, log collection, log analysis and data integrity
Metasploit	Vulnerability and scanning
JIRA	Ticketing, service desk, software management
Tableau	Business Intelligence front-end
OPEN SOURCE SOFTWARE	DETAILS
R	Windows and Linux - for data science
Python	Windows and Linux - for ETL, replication, and data science
Hadoop	Linux for Replication, big data, extract management
SQL	Windows and Linux - database SQL, flat file extract management
Apache Flink / Airflow	Windows for job scheduling
JSON	ETL, Linux and Windows
XML	Code for configuration files, ETL, Tableau on Linux and Windows
Agility	SQL coding
Postgress Database	Tableau Repository, Scheduling Windows Server
SVN	Version control Linux and Windows
Crontab	Linux scheduling tool - used for replication and maintenance
D3	Visualization software integrated with Tableau server



# What should we expect from our learning ecosystem?

1. Trust
2. Transparency
3. Interoperability



Courtesy: Loren Malm, CIO and VP of IT at  
Ball State University



# TrustEd Apps Hierarchy of Trust

**Faculty/Staff** – the faculty and staff view the dashboard we put together, and can see which applications are approved for use institutionally and can request items they don't see. This catalog is where the “rubber meets the road” because faculty and staff are making selections out of this catalog.

**IT and Academic Technology Support** – This is the layer where we’re building the institutional dashboard that faculty and staff will use. By including tools in the catalog, we’re indicating to our faculty and staff that we support these tools.

**EdTech Providers** – Providers can use the Trusted App Directory to see what other competing products are listed, and see precisely how competing products “stack up” in terms of the issues we care about most.



# TAMS: Connected Community Vision

## Edtech Supplier

Updates products in TAMS, then tests in sandbox before certification/release.



## Edtech Supplier

Product certified to 1EdTech standards, ready for release.

## Institution

Faculty can browse approved products for use in teaching and learning, or suggest new tools.

## Edtech Supplier

## & Institution

Product listed in TrustEd Apps Directory, Institution selects it for use.





# TrustEd Apps™ Rubrics

## Data Privacy



13,500+  
Vetted Apps!

## Accessibility



NEW!

## Security Practices



NEW!

## Generative AI Data (Privacy)



NEW!



Procure Products that are TrustED

[www.trustedapps.org](http://www.trustedapps.org)

# TAMS Dashboard- Comprehensive EdTech Management

- ✓ User-friendly dashboard
- ✓ Quick glance results
- ✓ Add notes for stakeholders
- ✓ Track licensing & support information
- ✓ Promote a TrustEd Ecosystem

The image shows a screenshot of the TAMS Dashboard. The top navigation bar includes 'Logout of Organization', a user profile for 'Kelly Hoyland, Director of Higher Education Programs', and a bell icon. The main content area is divided into two main sections: '1EdTech Staff University' and 'Security Rubric Results'.

**1EdTech Staff University**

The '1EdTech Staff University' section displays a list of 'TrustEd Apps' with columns for Application, Rating, TrustEd Apps Seal, Vetted, Certified, Supplier, and additional buttons for 'Edit Additional Info' and 'Delete'.

Application	Rating	TrustEd Apps Seal	Vetted	Certified	Supplier	Additional Info	Delete
Canvas	★ PREFERRED	Seal	Yes	Yes	Instructure	<a href="#">Edit Additional Info</a>	<a href="#">Delete</a>
D2L Brightspace	★ PREFERRED	Seal	Yes	Yes	D2L Corporation	<a href="#">Edit Additional Info</a>	<a href="#">Delete</a>
FeedbackFruits	★ PREFERRED	Seal	No	Yes	FeedbackFruits	<a href="#">Edit Additional Info</a>	<a href="#">Delete</a>

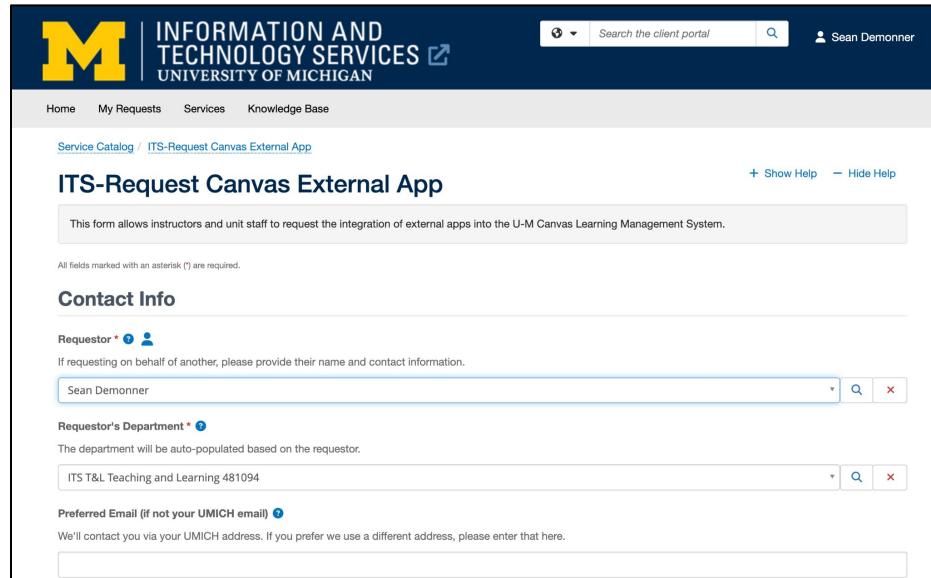
**Security Rubric Results**

The 'Security Rubric Results' section features four pie charts representing different rubric areas: Documentation & Company Information, Data, Systems Management, and Third Party Assessment. Below each chart is a table showing the results for specific questions under that rubric area.

Rubric Area	Expectations
DOCUMENTATION & COMPANY INFORMATION	MEETS PARTIALLY MEETS DOESN'T MEET
DOC01 - Have you undergone an external audit?	MEETS PARTIALLY MEETS DOESN'T MEET
ANSWER: Has undergone an external audit and can share the audit results or certificate	MEETS PARTIALLY MEETS DOESN'T MEET
DOC02 - Do you conform with a specific industry standard security framework? (e.g. NIST Cybersecurity Framework, CIS Controls, ISO 27001, etc.)	MEETS PARTIALLY MEETS DOESN'T MEET
ANSWER: Conforms with a specific industry standard and can show evidence of conformance	MEETS PARTIALLY MEETS DOESN'T MEET

# Current App Request and Verification Process

1. Faculty, academic unit request
2. Compliance validation:
  - a. Integration standards
  - b. Data security, privacy (HECVAT, SOC-2, DSA)
  - c. Accessibility (VPAT, test)
3. Trust, but verify
4. Min 2-4 month lead time



The screenshot shows the University of Michigan Information and Technology Services (ITS) client portal. The top navigation bar includes links for Home, My Requests, Services, and Knowledge Base, along with a search bar and a user profile for Sean Demonne. The main content area is titled 'ITS-Request Canvas External App'. It describes the form's purpose: allowing instructors and unit staff to request the integration of external apps into the U-M Canvas Learning Management System. A note states that all fields marked with an asterisk (\*) are required. The 'Contact Info' section includes fields for 'Requestor' (Sean Demonne) and 'Requestor's Department' (ITS T&L Teaching and Learning 481094). A 'Preferred Email' field is also present, with a note that it will contact the user via their UMICH address if they prefer a different one.



# 1EdTech's TrustEd Apps Management Suite

via Instructor View  
by way of the LMS



- Home
- Suggest App
- TrustEd Apps Catalog

The screenshot shows a list of approved applications for the University of Michigan. The list includes:

- Access Pearson** (Approved, Pearson Education)
- Cengage LMS Integration Gateway** (Approved, Cengage)
- Adobe Creative Cloud** (Approved, Adobe Inc.)
- Adobe Express for Education** (Approved, Adobe Inc.)
- Alexander Street** (Approved, ProQuest)
- Annoto** (Approved, Annoto)
- CAEN Lecture** (Approved, CAEN)

The interface includes a search bar, a sidebar for sorting and filtering (with 'Certified' selected), and a legend for status indicators (Preferred, Approved, Approved Limited, Reviewed, Under Review, Denied, TrustEd Apps Seal, Vetted, Certified, Technical Notes, and Instructional Notes).

## Rubric Area

## Expectations

## DOCUMENTATION &amp; COMPANY INFORMATION

## MEETS

## PARTIALLY MEETS

## DOESN'T MEET

## DOC01 - Have you undergone an external audit?

ANSWER: Has undergone an external audit and can share the audit results or certificate



## DOC02 - Do you conform with a specific industry standard security framework? (e.g. NIST Cybersecurity Framework, CIS Controls, ISO 27001, etc.)

ANSWER: Conforms with a specific industry standard and can show evidence of conformance



## DOC03 - Does your organization have a documented data privacy policy?

ANSWER: Yes



## DOC04 - Do you have a documented, and currently implemented, employee onboarding and off boarding policy?

ANSWER: Yes



## DOC05 - Do you have a well documented Disaster Recovery Plan (DRP) that is tested annually?

ANSWER: Yes



## DOC06 - Do you have a documented and currently followed change management process (CMP)?

ANSWER: Has a fully documented process & process is followed and includes a change log



# Best Practices

- Technology should empower the strategy of the institution
- You are in drivers' seat and the CEO of your own technology
- Define requirements and non-negotiables with your stakeholder group
- Engage CIO/IT leaders early in the process
  - Tools don't solve people process issues
  - Technology can't deliver strategies for retention; they can support the process
  - CIOs can provide insight into how your tool will fit the institutional technology infrastructure



# Getting Started in TAMS



<https://1ed.tech/tamsdemo>

Not a member? Reach out to [erafal@1edtech.org](mailto:erafal@1edtech.org) learn more about 1EdTech Membership.

Already a member, but not yet using TAMS? Set up a [demo](#).

Want to get more involved with the community? Contact [erafal@1edtech.org](mailto:erafal@1edtech.org) to join the Trusted Apps Advocacy Group.



# 1EDTECH LEARNING IMPACT CONFERENCE

June 1-3, 2006 | San Francisco, CA

