Update on Digital Credentials Standards

IMS Europe Technical Meeting
14 October 2020
Vision

Knowledge, Skills, Abilities

Verifiable and Interoperable Digital Credentials

Opportunities for Employment and Education
Foundations for Digital Credentials

Comprehensive Learner Record

Collection of Achievements

Open Badges

Achievement

Competencies & Academic Standards Exchange (CASE)

Skills Framework

IMS Standards Enable an Interoperable Ecosystem

imsglobal.org
Open Badges

- World’s leading format for digital badges
- Open Badges 2.0 defines:
  - JSON-LD data objects and schema that describe the achievement, criteria, issuer, recipient, and more
  - Verification methodology
  - Embedding metadata within the PNG or SVG (a “baked badge”)

Technical resources: imsglobal.org/ob
General information: openbadges.org
Open Badges

- Open Badges 2.1 “Badge Connect”
  - REST API
  - Secured with OAuth2
  - Dynamic client registration
- Early adopters welcome!

Technical resources: imsglobal.org/ob
Open Badges – Current Status

- OB 2.0 is Final
- OB 2.1 is Candidate Final Public

- Workgroup:
  - Supporting early adopters of 2.1
  - Conformance certification available in a few days
  - Extension for Decentralized Identifiers in Open Badges

Technical resources: imsglobal.org/ob
Digital Badges

Open Badges 2.0 (OBv2)

Summary
Open Badges are information-rich visual records of verifiable achievements earned by recipients and easily shared on the web and via social media. The Open Badges standard describes a method for packaging information about accomplishments, embedding it into portable image files as digital badges, and includes resources for web-based validation and verification. Open Badges describe who earned it, who issued it, the criteria required, and in many cases even the evidence and demonstrations of the relevant skills. The data is all inside! If you are new to Open Badges, check out openbadges.org for a complete primer.

Open Badges 2.0 provides powerful new features such as endorsements, internationalization and multilingual capabilities, versioning, improvements for accessibility, and full adoption of JSON-LD. Open Badges 2.0 is in Final status.

Open Badges 2.1 adds a REST-based API to Open Badges 2.0. OB 2.1, often referred to as the Badge Connect API, fully inherits the existing OB 2.0 data model. Open Badges 2.1 is now in Candidate Final status and is available for public review, comment and early adoption.

IMS Global is responsible for managing and advancing the Open Badges specification—a vital component of the digital credentials ecosystem. Open Badges 2.x is designed for compatibility and interoperability with the other IMS standards related to digital credentials: Comprehensive Learner Record and Competencies and Academic Standards Exchange (CARE4).

Public Documents and Resources
- Open Badges Specification Repository
- Open Badges Validator
- Current IMS-certified Open Badges platforms and tools
- Open Badges Community Forum

Specification Documents
- Open Badges 2.0
- OB 2.0 Final Specification

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Comprehensive Learner Record (CLR)

- Official record of learning issued by any organization
- Learning achievements of all types (degrees, courses, grades, certificates, skills, Open Badges, more)
- Verifiable and machine-readable
- CLR 1.0 is a data model and REST API
  - Secured with OAuth2; supports both Auth Code and Client Credentials grant types

imsglobal.org/clr
CLR Data Model

Learn More:

IMS Developer Video: CLR
How to implement CLR standard
37 minutes
bit.ly/clr-vid
AACRAO Issues Guidance for College Registrars and Admissions to Adopt IMS Global Learning Consortium Digital Standard for Learner Records

Dr. Tom Green | May 5, 2020

Washington, D.C. - The American Association of Collegiate Registrars and Admissions Officers (AACRAO) has issued guidance to its members to adopt the IMS Global Learning Consortium (IMS Global/IMS) standard for Comprehensive Learner Record projects and products. Since 2015, a growing number of colleges and universities have developed and implemented new forms of digital student records, Comprehensive Learner Records (CLRs). Developed largely as models or institutional innovations, to date, these CLRs are unique to each creator. While innovative, differences in technical format reduce the usefulness of these records when students seek to transmit their contents to employers or other higher
CLR 1.0 Early Adopters

- Indiana University
- Johns Hopkins University
- Univ. of Maryland Baltimore County
- Western Governors University
- Broward County Public Schools
- Edina Public Schools
- North Dakota DPI
- AEFIS
- Core Learning Exchange
- ELocker
- Greenlight Credentials
- iDatafy / SmartResume
- Paradigm
- Peridot / LearnersEDGE
- Public Consulting Group
- Teacher Wallet by RANDA
Product Certification

Certifications Available:
- Open Badges 2.0
- Open Badges 2.1*
- CLR 1.0*

*provisional

ims cert.org
Thank you

Jeff Bohrer
jbohrer@imsglobal.org