



Introduction

Benefits of using the Digital Credentials standards



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#IMSEuropeSummit20

DISCLAIMER



Source: <https://gph.is/2PXqDILBRA>

I'm a **DEVELOPER** so my apologies in advance:

If I use weird words now and then. I'll try to avoid them but, you know...

If I say something wrong.. I'm mainly familiarised with OB standard from the technical POV and I might misunderstand some concepts.

I hope you be kind and help me to learn from my mistakes



Badges and credentials



Credentials



Source: <https://images.app.goo.gl/x9756vDXv7YjfEst8>

Piece of any document that details a **qualification**, **competence**, or **authority** issued to an individual by a third party with a relevant or *de facto* authority or assumed competence to do so.

Wikipedia

- Educational degrees and diplomas
- Professional and industry certifications
- Badges
- ...

Badges

A badge is a representation of a skill you've earned.



Source: <https://images.app.goo.gl/WjCFZGCHw1rxLTtk8>



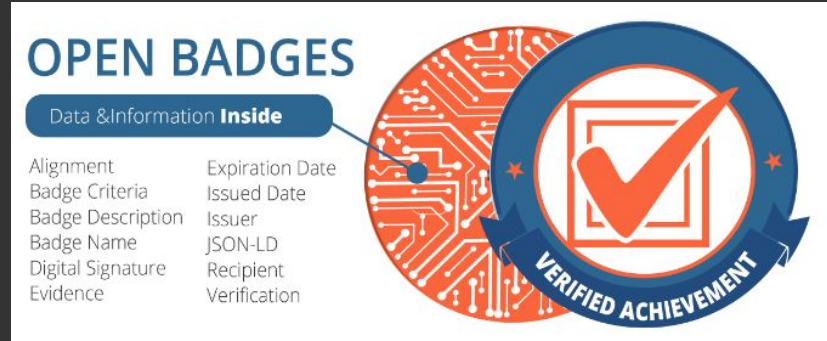
Source: <https://images.app.goo.gl/GJe9DNStyBychm609>

Digital badges

A digital badge is an **online** representation of a skill you've earned.



Open Badges



The diagram illustrates the concept of Open Badges. On the left, a list of data fields is shown, with a blue callout box labeled "Data & Information Inside" pointing to the list. On the right, a circular badge is shown with a red checkmark and the text "VERIFIED ACHIEVEMENT".

| Data & Information Inside | |
|---------------------------|-----------------|
| Alignment | Expiration Date |
| Badge Criteria | Issued Date |
| Badge Description | Issuer |
| Badge Name | JSON-LD |
| Digital Signature | Recipient |
| Evidence | Verification |

Source: <https://openbadges.org/>

Open Badges take the digital badge concept one step further, and allows you to **verify** your **skills**, **interests** and **achievements** through **credible organizations** and **attaches** that information to the badge image file, hard-coding the **metadata** for future access and review.

Open Badges are ...

- **Evidence-based**. Information attached to the badge image file (metadata).
- **Not controlled by one organization**. Verify skills, interests and achievements through several credible organizations.
- **Stackable**. Earners can combine multiple badges from different issuers
- **Transferable**. Earners can share badges in other systems.
- **Controlled by users**. Earners control badges privacy.

Digital Credentials standards overview



Have you ever heard about...

Open Badges

The digital way to award accomplishments.



Digital recognition of accomplishments embedded with verifiable and secure metadata.

CASE

It's the learning standards inside a digital credential.



The fastest way for educators and employers to know what learning happened to earn the achievement.

CLR

Learning happens at every stage of the journey.



A personalized digital record that shows and tells a wide range of experiences and accomplishments in the context of learning.



Source: <https://gph.is/2faFvly>

www.wooclap.com/OAHLPF

moodle

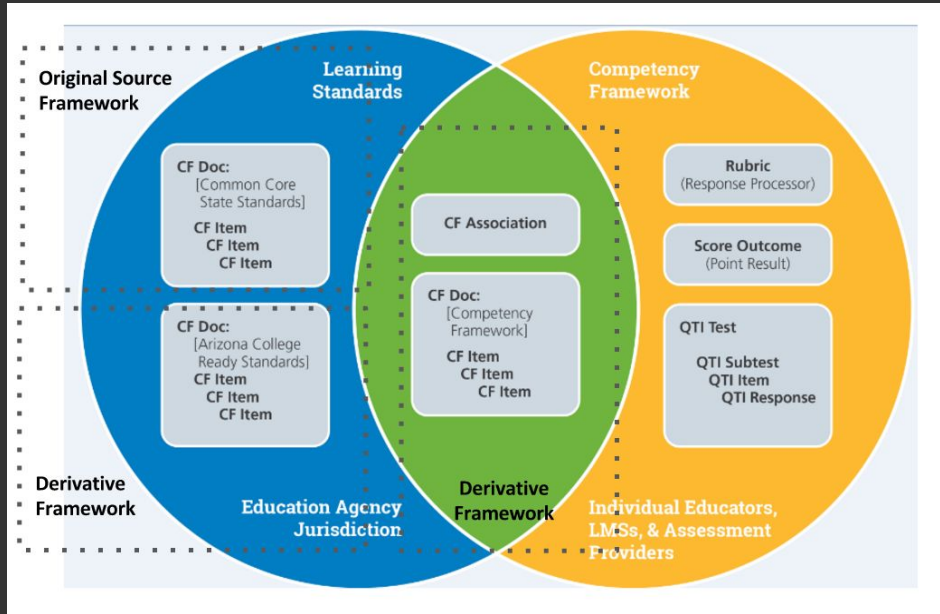
Open Badges specification

- Open Badges 1.0 [MOZILLA - Discontinued]
 - Data model with main fields to define a badge
- Open Badges 2.0 [IMSGLOBAL - Final Release]
 - New fields: endorsements, internationalization and multilingual capabilities, versioning
 - Improvements for accessibility
 - Full adoption of JSON-LD
- Open Badges 2.1 [IMSGLOBAL - Candidate Final Public]
 - Also known as Badge Connect™ API
 - Adds a REST-based API to OBv2.0 data model



Source: <https://images.app.goo.gl/BFMaqrW6tR2chEM8>

Competencies and Academic Standards Exchange®



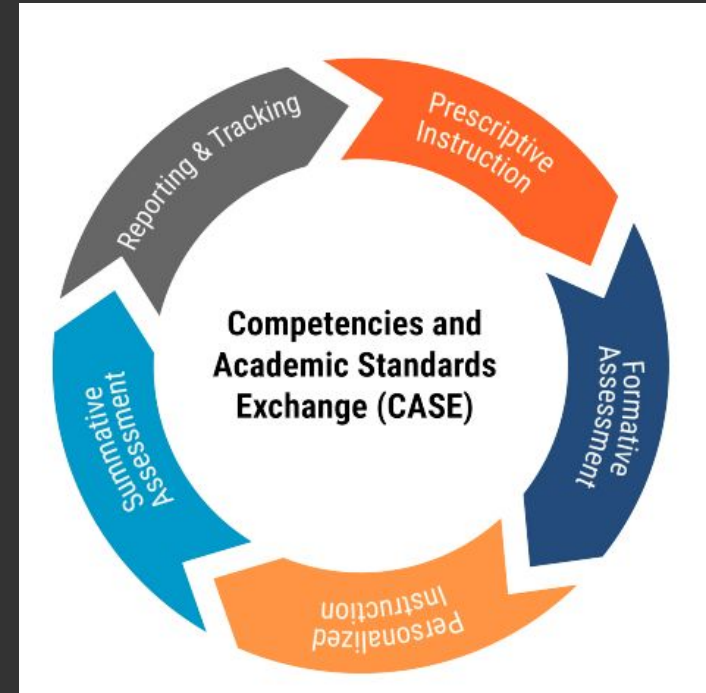
Source: http://www.imsglobal.org/sites/default/files/CASE/casev1p0/best_practices/caseservicev1p0_bestpracticesv1p0.html

Universal framework to representing **learning standards**, **competencies**, **rubrics** and relationships among them.

- Facilitates the **exchange** of information about learning standards and education competencies across **platforms**

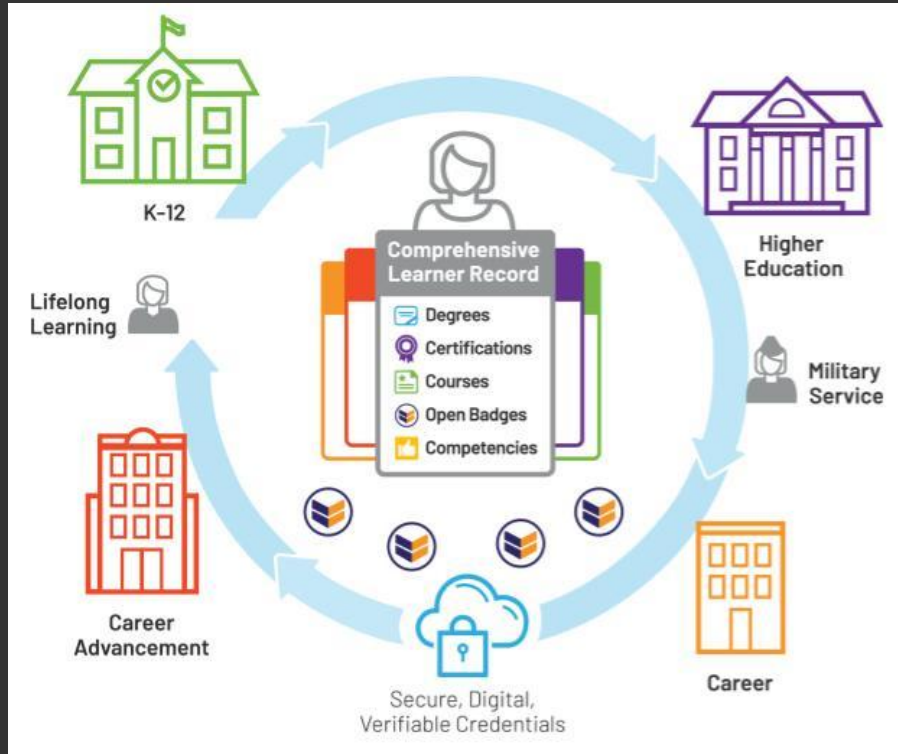
CASE® specification

- Includes:
 - **Document**: competencies or academic standards
 - **Items**: statements describing what learner will know/do
 - **Associations**: relationship between items
 - **Rubrics**: criteria for grading
- CASE® 1.0 [IMSGlobal - Final Release]
 - Information model
 - REST/JSON Binding



Source: <http://www.imsglobal.org/sites/default/files/CASE/CASE%20Presentation%20Updated%20071817.pdf>

Comprehensive Learner Record (CLR)



Source: <http://www.imsglobal.org/activity/comprehensive-learner-record>

- Complete lifelong learning, including academic and workplace recognition and achievements.
- Used, curated and controlled by learner.

CLR specification

- Make all learning count, no matter where it takes place.
- CLR 1.0 [IMSGLOBAL - Candidate Final Public]
 - Information model
 - REST/JSON Binding

The screenshot displays an official transcript from the University of Maryland University College (UMUC). The header includes the university logo and name on the left, and the student's name, ID (94194633), and status date (06/30/2016) on the right. A red banner below the header reads "OFFICIAL TRANSCRIPT" and includes a disclaimer: "This is an official transcript. Student information is guaranteed unaltered from the source." The main content area is titled "MASTER OF BUSINESS ADMINISTRATION Organizational Leadership" and features a "Print »" button. It lists two criteria for organizational leadership, each with a list of sub-points and progress indicators. The first criterion, "Organize document or presentation clearly in a manner that promotes understanding," has five sub-points and is marked as "In-Progress" with "Evidence (1/3)". The second criterion, "Create and employ multimedia supports, visual aids and/or documents appropriate to the needs of the project, the message and the audience," has two sub-points and is also marked as "In-Progress" with "Evidence (2/3)".

UMUC
University of Maryland
University College

Peyton Andrews
Student id: 94194633
Status as of: 06/30/2016

OFFICIAL TRANSCRIPT This is an official transcript.
Student information is guaranteed unaltered from the source.

MASTER OF BUSINESS ADMINISTRATION Organizational Leadership Print »

Organize document or presentation clearly in a manner that promotes understanding In-Progress Evidence (1/3)

- Present material in clear and/or logical order appropriate to task
- Articulate thesis and purpose clearly
- Create coherent progress from introduction through conclusion
- Distinguish clearly between main points and supporting details
- Support thesis and purpose fully
- Transition smoothly and develop connections from point to point

Create and employ multimedia supports, visual aids and/or documents appropriate to the needs of the project, the message and the audience In-Progress Evidence (2/3)

- Create coherent progress from introduction through conclusion
- Create neat, clear, and professional document and/or multimedia aids

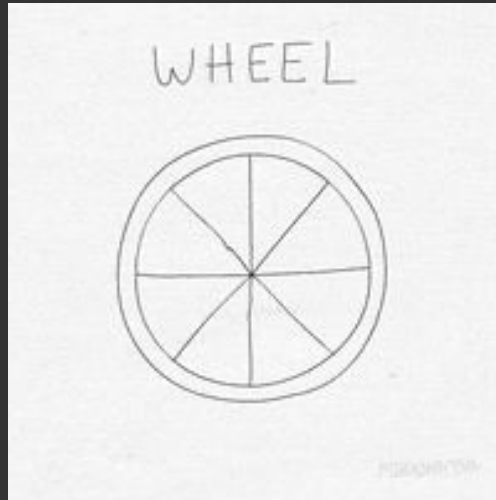
Source: <http://www.imsglobal.org/introduction-extended-transcript-et>

Benefits of digital credentials standards



Benefits

“Blank page syndrome” or “Why should the wheel be reinvented?”

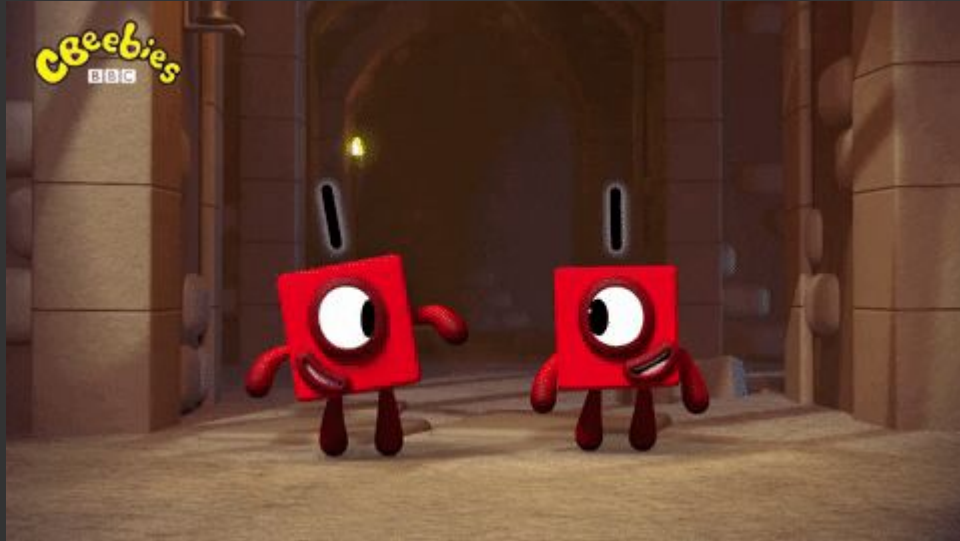


Source: <http://gph.is/1frY9hT>

2

Benefits

Possibility to add new tools (issuers/providers) to the ecosystem... And new features too!



Source: <https://gph.is/2PpUuJE>

3

Benefits

Easy to replace tools from the ecosystem for other similar



Source: <http://gph.is/1WQTn0V>

4

Benefits

Access to a big catalog of providers/tools compatibles with these standards



Source: <https://gph.is/295SZIL>

5

Benefits

Better guarantees of continuity in time



Source: <http://gph.is/1ab2uNb>

6

Benefits

Low tech debt



Source: <http://gph.is/28JmpPF>

Some interesting readings

- Digital credentials:
 - <https://www.imslobal.org/digitalcredentials>
 - <http://www.imslobal.org/understanding-digital-credentials>
- Open Badges:
 - https://badge.wiki/wiki/What_Are_Open_Badges%3F
 - <https://openbadges.org/>
- IMSGlobal :
 - <https://www.imslobal.org/activity/digital-badges>
 - <https://www.imslobal.org/about/clar>
 - <http://www.imslobal.org/about/case>

Who better represents you right now?



Source: <https://giphy.com/>



Source: <https://giphy.com/>



Source: <https://giphy.com/>



Source: <https://gph.is/2IE51su>



sara@moodle.com
@sara_arjona



Source: <https://gph.is/g/ZlVWVKE>

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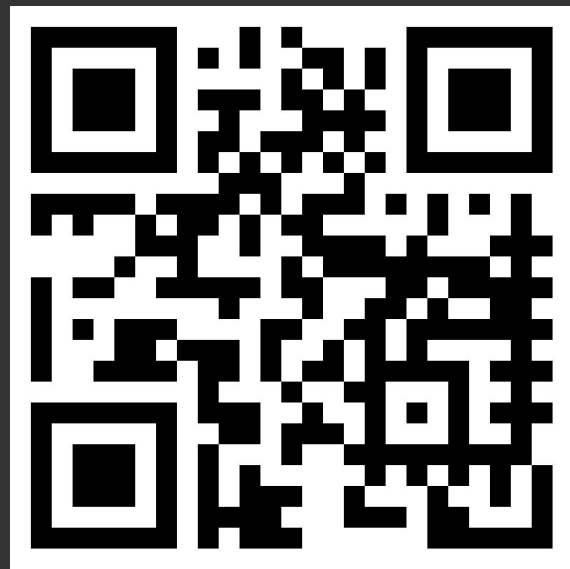
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