



Module 3. Implementing Microcredentials

Part. 3.2 Creating and Integrating Microcredentials to online modules

Part 3.2.2 Badges

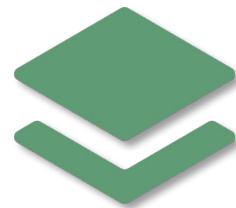


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Introduction

Duration: approx 18 minutes



In this unit “**Badges**”, you will explore the world of **Digital Open Badges**, a revolutionary way to recognize and showcase skills, knowledge, and achievements. The unit will be organized in the following:

1. Learn how Open Badges transform traditional learning into **an engaging and rewarding journey**
2. Technical video on Open Badges

Learning outcomes:

Apply tools for the technical implementation of Microcredentials on Moodle



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What Are Digital Open Badges?



Definition

Digital badges are visual micro-credentials recognizing achievements



Key Features

Issued via online/offline assessments

Stored in digital wallets like Badge Wallet



Purpose

Recognize knowledge, skills, and attitudes

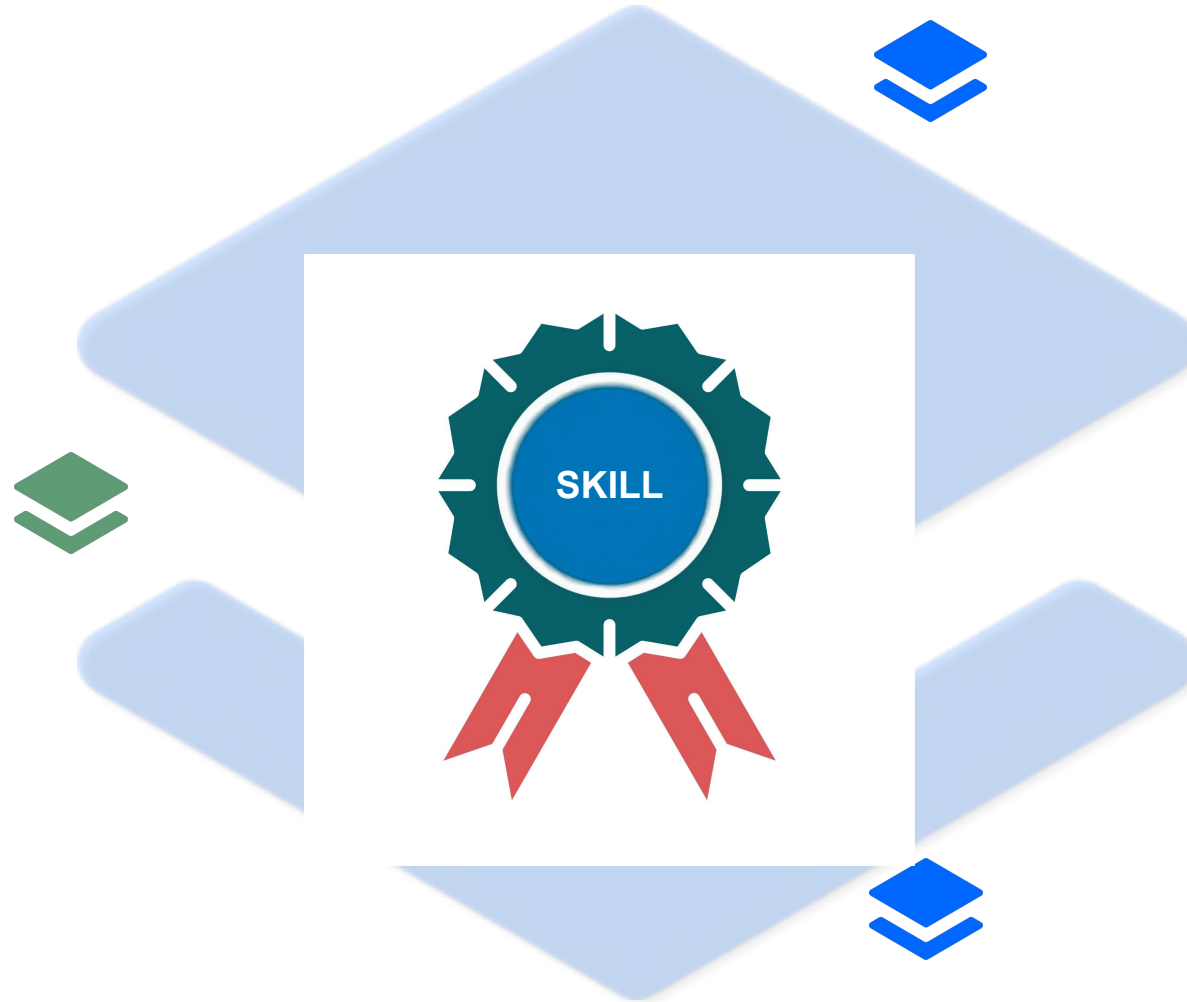
Encourage lifelong learning and showcase accomplishments

Open Badges: what info contain

Open Badges are **visual tokens** of verifiable achievements designed to showcase skills and accomplishments, enabling learners to **enhance resumes** and transcripts with **detailed metadata** for sharing with learning providers and employers.

- 01 Who earned it
- 02 Who issued it
- 03 Criteria of achievement
- 04 Evidence of achievement

Moodle badges as Microcredentials

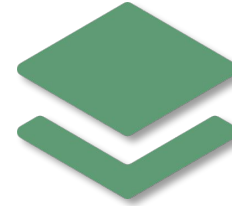


Moodle adheres to the Open Badges 2.0 standard, ensuring that badges issued within the platform are interoperable and recognized across various systems.

As a trusted Open Badges 2.0 issuer, Moodle guarantees that the badges we earn are recognized and valued by numerous platforms and organizations, enhancing the credibility and portability of our credentials in both educational and professional contexts.

Throughout this course, we will be using Moodle's badges as verifiable and portable microcredentials, representing specific skills and achievements that can be shared and recognized beyond the platform.

Endorsements in Open Badges



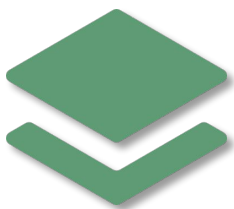
- **Features:**
Metadata similar to badges (e.g., issuance and expiration dates)
Cryptographically authenticated for trust and credibility
- **Uses:**
Accrediting agencies can endorse programs
Validating self-asserted skills or achievements

OPEN BADGES

Data & information inside

Alignment	Expiration Date
badge criteria	Issued Data
Badge description	Issuer
Badge name	JSON-LD
Digital signature	Recipient
Evidence	Verification





Badge Connect API

Purpose

1. **Secure and efficient transfer of Open Badges**
1. **Promotes learner data sovereignty**

Technical features

RESTful API using OAuth 2.0.

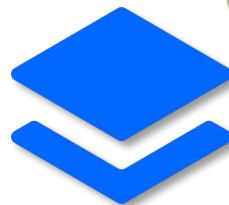
Supports large-scale badge management

Integrates with identity management systems

Versions

Compatible with Open Badges 2.1 and 3.0.

Seamlessly exchange credentials!



Benefits of Open Badges

For Learners:

- Showcase skills and achievements globally
- Portable and verifiable credentials

For Employers:

- Access detailed, verified skill profiles of candidates
- Align hiring with specific skills and competencies

For Issuers:

- Establish credibility and transparency in credentialing
- Enable endorsements from recognized authorities

Certification and Resources

Certification Options:

- Open Badges 2.0, 2.1, and 3.0.
- Badge Connect API certification

Resources for Implementation:

- Specification documents
- Implementation guides
- Certification requirements

Additional Tools:

Wallet Reference Implementations for storing badges

References

Digital open badges

Open badges

Click on the next activity and go to the
technical video “**Open Badges**”