DIY Learning Tech: Do Innovation Yourself with Open Standards

"It is becoming progressively easier for many users to get precisely what they want by designing it for themselves."

ERIC VON HIPPEL, DEMOCRATIZING INNOVATION

Canvas is more than a learning management system. It's an open learning platform built to instant technology innovation. Canvas's open APIs and standards-based architecture enable developers and instructional designers across cultures and time zones to quickly connect DIY tools that connect to the innovation platforms they are using day.

Open API = Cupboards Full of Data

An open API allows a product or service to communicate with other products and services without need for custom, one-off integration. Canvas's open API is well documented, stable, and supported by a vibrant community of developers. Canvas's API has a long, 10 year history, organized day-to-day and without things.

80 billion API requests since 2011

5 billion API requests from clients and partners

The Canvas API is used for:

Canvas API Requests by Language

Learning Tools Interoperability: A Framework for DIY EdTech

Learning Tools Interoperability (LTI) is a widely adopted specification that Canvas supports and helps edtech vendors to roll out their favorite programming language to create tools delivered as technology tools that work seamlessly across different platforms.

"LTI has been adopted more substantially among suppliers to the higher education segment, with adoption nearing critical mass among a leading wave of suppliers in the K-12 segment."

IMS GLOBAL, 2013 ANNUAL REPORT

How LTI Works

IMS certification tells users that an edtech tool will play nicely with all other edtech tools certified to the same standard.

Canvas IMS Certifications

Canvas is IMS certified for:

Common Cartridge 1.3, 1.2 & 1.0

Tool CC v1.0

LTI 1.1, 1.0

QTI 2.1

IMS GLOBAL LEARNING CONSORTIUM

imsconnect.org

Northwestern University built Nebula,

an LTI tool that analyzes and shares learners and enables understand the social network of Canvas discussions.

Nebula
Discussion Forum
Discussion Forum
Discussion Forum