

## APIs

<i>API</i>	<i>Short Name</i>	<i>Description</i>
Access API	access	The 'Permissions' API, which determines what the user is allowed to do and provides a way to define new capabilities
Activity completion API	completion	Functions handling course activity completions
Activity module APIs	mod	Functions to develop and work with course activities
Admin settings API	admin	Used for managing configuration options for plugins and core components
Advanced grading API	grading	Allows plugins to add more advanced grading interfaces (such as rubrics) that can produce grades for the grade book
Analytics API	analytics	Creates prediction models and generates insights
Availability API	availability	Controls access to course activities and sections
Backup API	backup	Functionality used to backup course data for course activity plugins
Badges API	badges	Manages and works with user badges
Cache API	cache	Provides ways to work with the Moodle Universal Cache (MUC) to use a cache in plugin code
Calendar API	calendar	Manages events in the calendar for user, groups, courses or the whole site
Charts API	charts	Methods intended to provide a simple and yet modern interface to generate dynamic charts.
Check API	check	Allows the management of security, performance or health checks to your site
Comment API	comment	Saves and retrieves user comments, allowing plugins to use user commenting
Competency API	competency	Lists and adds evidence of competencies to learning plans, learning plan templates, frameworks, courses, and activities
Custom fields API		Configures and adds custom fields for different entities
Data definition API	ddl	Manages tables and fields in the database
Data manipulation API	dml	Manipulates table contents in a cross-db compatible, consistent and safe manner
Editor API		Controls HTML text editors
Enrolment API	enrol	Works with course enrolments
Events API	event	Defines or handles internal 'events', the recommended form of inter-plugin communication; also forms the basis for logging

Experience API	xAPI	Lets plugins generate and handle xAPI standard statements
External functions API	external	Creates methods that can be accessed by external programs, such as web services
Favourites API		Marks and manages items as favourites for a user
File API	files	Functionality to manage the storage of files
Form API	form	Defines and handles user data via web forms
Gradebook API	grade	Reads from and writes to the grade book
Groups API	group	Works with course user groups
Lock API	lock	Synchronises processing between multiple requests, even for separate nodes in a cluster
Logging API	log	Logging stores for Moodle, for event logging, see Events API earlier in this table
Media API	media	Functionality to embed media items such as audio, video, and flash
Message API	message	Functionality for user messaging based on their preferences
Moodlelib API	core	Miscellaneous general-purpose functions and defined constants
My profile API		Adds items on the user's profile page
Navigation API	navigation	Adds and removes items for the navigation
OAuth 2 API	oauth2	Configures and manages external systems using OAuth 2
Output API	output	Functionality to render the HTML for all parts of the page
Page API	page	Defines page setup and requirements such as JavaScript and provides the structure for the Output API mentioned above
Payment API	payment	Deals with payments
Plagiarism API	plagiarism	Functionality for activity modules to send files and data to external services to have them checked for plagiarism
Portfolio API	portfolio	Functionality to add portfolio interfaces and allow users to package up data to send to their portfolios
Preference API	preference	A simple way to store and retrieve preferences for users
Privacy API	privacy	Allows compliance with regulation such as the GDPR in Europe; also provides functionality to describe the personal data that you store and provides the means for that data to be discovered, exported, and deleted
Question API	question	The Question API encompassing the question bank and the question engine can be used by activity

		plugins to use questions from the question bank
Rating API	rating	Lets the plugin create AJAX rating interfaces so that users can rate items in your plugin.
RSS API	rss	Creates secure RSS feeds of data in activity modules
Search API	search	Allows components/plugins to index contents in a search engine and query the search engine for results
String API	string	Language text strings used in the user interface to handle language translations that might be available
Tag API	tag	Handles content tagging
Task API	task	Scheduled and one-off tasks
Testing API	test	Contains the Unit Test API (PHPUnit) and Acceptance Test API
Time API	time	Translates and displays times between users
Upgrade API	upgrade	Installs and upgrades functionality
User-related APIs	user	User-related functions relating to sorting and searching lists of users
Web services API	webservice	Exposes particular functions – usually external functions as web services (see External functions API earlier in this table)