

22nd SAMoo meeting



Evolution of the Zoom-plugin – joint venture ETH Zurich and Uni Ulm
Thomas Korner, Jonas Lanz

Starting Position

- Corona required home schooling
- ETH uses Zoom as video platform for lecture
- Need for an integration with moodle

Two possible solutions

zoom | App Marketplace Develop

App Marketplace > Moodle LTI



Moodle LTI

By CoSo Cloud

Works with: Zoom Meetings

App info

Install requirements

App permissions

App scopes

App resources & support by

App info ⓘ

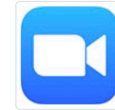
Education

Learning & Development

Install for a free 30 day trial!

[Show more](#)

- By Zoom inc.
- Works with LTI
- Feature rich



Zoom meeting

Activities :: mod_zoom

Release v4.1.1

Moodle 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 3.11

code prechecks 17 | 109

Maintained by Jonathan Champ, Steve Bader

Zoom is a video and web conferencing platform that gives authorized users the ability to host online meetings and webinars.

📣 Latest release: 4 Wochen 📍 11881 sites 📄 5k downloads ❤️ 193 fans

Zoom is the web and app based video conferencing service (<https://zoom.us>). This plugin offers tight integration with Moodle, supporting meeting/webinar creation, synchronization, grading, and backup/restore.

Requires a business or educational Zoom account to configure and setup.

Potential privacy issues

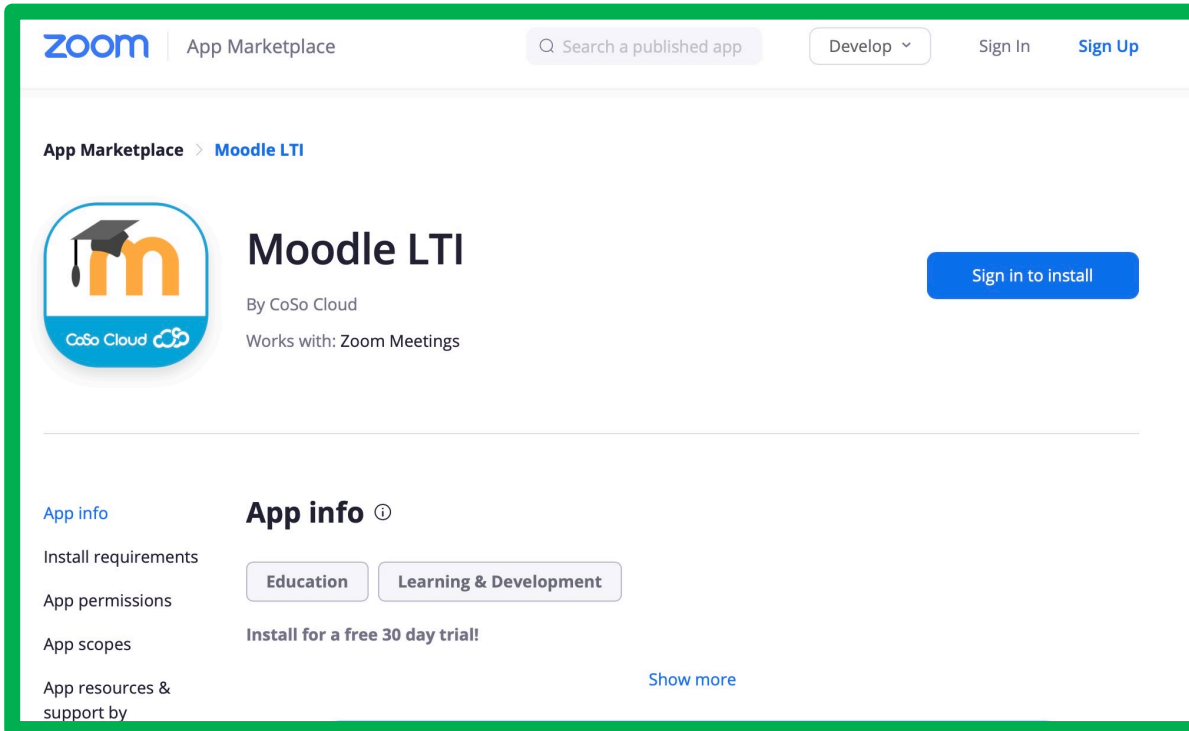
Meetings are joinable if URL is known. That is a limitation by Zoom. To have secure meetings, please set a passcode.

Useful links

» [More documentation on this plugin](#)

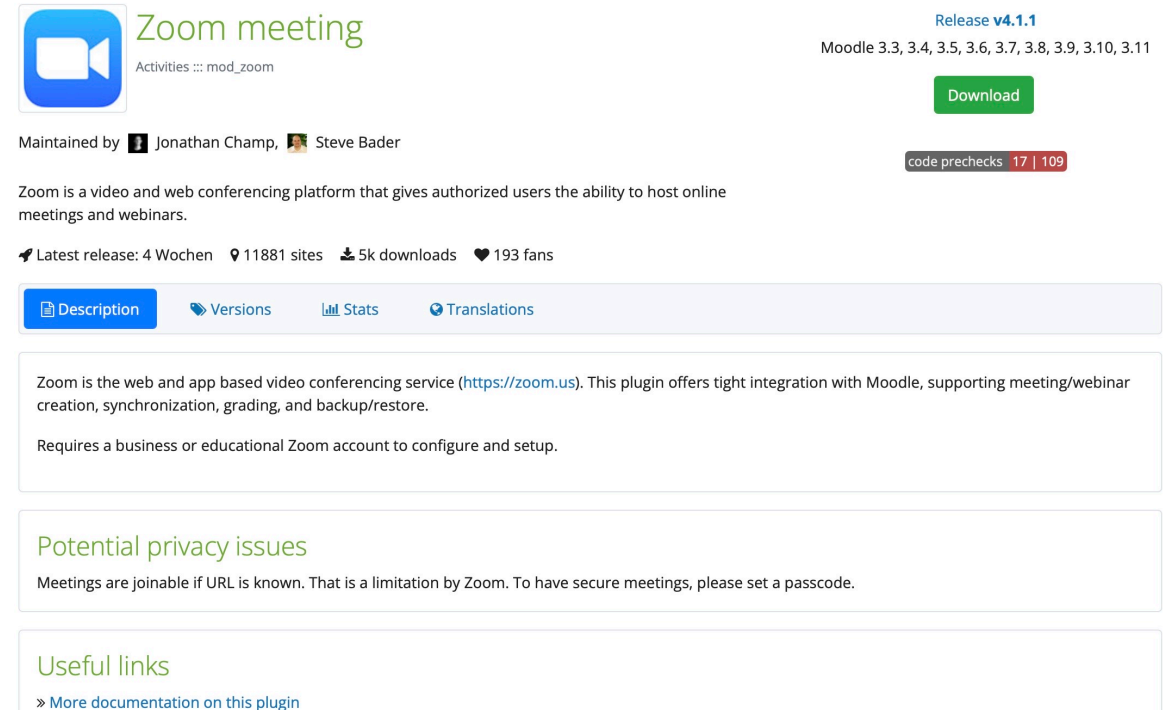
- By US-University (NC-State)
- Plugin
- Some missing features (recordings, recurring meetings)

Two possible solutions



The screenshot shows the Zoom App Marketplace interface. At the top, there's a search bar and navigation links for 'Sign In' and 'Sign Up'. The main content area features the 'Moodle LTI' app by CoSo Cloud. The app icon is a blue circle with a white 'm' and a graduation cap. A blue button labeled 'Sign in to install' is visible. Below the app name, it says 'By CoSo Cloud' and 'Works with: Zoom Meetings'. On the left side, there are sections for 'App info', 'Install requirements', 'App permissions', 'App scopes', and 'App resources & support by'. The 'App info' section includes 'Education' and 'Learning & Development' tags, and a note to 'Install for a free 30 day trial!'. A 'Show more' link is also present.

- By Zoom inc.
- Works with LTI
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The screenshot shows the Moodle LTI plugin page on Moodle.org. The title is 'Zoom meeting' with the activity name 'mod_zoom'. It is maintained by Jonathan Champ and Steve Bader. The page indicates it works with Moodle versions 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, and 3.11. A green 'Download' button is prominent. Below this, it shows 'code prechecks 17 | 109'. The 'Description' tab is active, stating that Zoom is a video and web conferencing platform. It mentions that the plugin offers tight integration with Moodle, supporting meeting/webinar creation, synchronization, grading, and backup/restore. It also notes that a business or educational Zoom account is required for configuration and setup. There is a section for 'Potential privacy issues' which states that meetings are joinable if the URL is known. Finally, there is a 'Useful links' section with a link to 'More documentation on this plugin'.

- By US-University (NC-State)
- Plugin
- Some missing features (recordings, recurring meetings)

Solved ... but

- With the change from the local user administration to the (official) SSO at ETH, the UID got lost.
- The LTI-Solution don't allow any adaption of the UID
 - Zoom Inc. doesn't allow any change of the plugin

Two possible solutions

zoom App Marketplace Develop

App Marketplace > Moodle LTI



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[Description](#) [Versions](#) [Stats](#) [Translations](#)

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First Challenge

- Finding a matching attribute between Moodle and Zoom
- Different authentication systems
 - Moodle: AAI, Shibboleth
 - Zoom: AD

No candidates for matching attributes

Moodle (AAI)

- Moodle UserID: 4711
- Moodle Username, NPID, Unique ID: 123456@ethz.ch
- E-Mail: jonas.lanz@let.ethz.ch
- Matriculation number: 90905738

Zoom (AD)

- Zoom UserID: 0815
- Username, primary E-Mail: jlanz@ethz.ch

Solution

Configuring Shibboleth

- uid:jlantz
- Home Organization: ethz.ch
- Concatenate with '@'

-> Moodle ID number: `jlantz@ethz.ch` = Zoom Username

Find a (development) partner

- No time for internal development, partner is needed
 - University of Ulm already worked on the missing features
- Collaboration contract with Ulm (joint funding)
 - Recurring meeting
 - UX-things
 - Recordings
 - Variable identifier
- Development by Catalyst Australia

Status

- Allow configuration of Zoom identifier -> released
- Fully support recurring meetings -> released
- Making Zoom recordings directly accessible via Moodle -> integration testing

Code available at

https://moodle.org/plugins/mod_zoom