# admin/setting/logsettingdatabase


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- Log stores
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# Logging interactions

When users interact with Moodle, many of their interactions are logged using the Events subsystem. This subsystem includes a powerful, and granular, logging mechanism which allows the collection of relevant information.

The Moodle core logs common interactions, and most activities also include granular logging of student progress through the activity.

Examples of log entries include:

- logging in or out
- accessing a course
- updating a course
- viewing an activity within a course
- viewing a forum discussion

- creating a new forum discussion
- replying to an existing post in a forum discussion
- completing an activity

# Log stores

You can enable log stores in *Site administration > Plugins > Logging > Manage log stores*.

There are two log stores available:

- Standard
- External database

The default Standard log is very detailed and should meet most requirements.

The "Write buffer size" is the number of log entries inserted in one batch database operation, which improves performance.

42logstores.png

From *Site administration > Plugins > Reports > Manage reports*, the administrator can see which log stores support which given report:

reportslogstore.png

# External log store

An External database log store also allows you to connect to an external log database. This uses the same logging format as the Standard log store, but allows you to send logs to a different database. It can still be queried from within the Moodle User Interface, and is sometimes preferable on busy sites where many logs are created.

# Analytics

Moodle also has a powerful Analytics engine, which uses Machine Learning to predict and warn of potential student outcomes. Many of these predictions are based upon the logs that are generated and stored by Moodle.

Please note that some Log Store plugins are write-only and *cannot* be used for this purpose. Both the Standard logstore, and the External logstore included with Moodle *are* compatible with the

Moodle Analytics features.

# See also

- Logs
- Events list report
- Developer documentation on Events (giving examples of levels)
- Log storage plugins

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□□□ #3
□ cocobook-sync □□□ 2026-11-10 15:43:09 UTC
□ cocobook-sync □□□ 2026-11-11 00:17:55 UTC