

Workshop on Moodle Privacy / Data Protection - Results

12.9.2007 | 4th Austrian International Moodle Conference

Participants: Gisela Hillenbrand, Ralf Hilgenstock, Helmuth Glutzberger, Holger Gollan, Christian Grune, André Krüger, Petr Skoda

Outline

The relevant privacy issues should have a basement in the Moodle role definitions. Some of them are implemented up from Moodle 1.7. To meet special needs concerning the access to log and personal data should be implemented:

- just a few additional role definitions / capabilities (site level) and
- options in the user profile page (user level):

(*Italic*: proposition for capability name, choose the best one, if > 1)

The propositions give the possibility to meet the data privacy/data protection regulation in the EU and the FERPA recommendations in the US.

Page	Capability (Site Level)	Option (User Profile)	Comments
Activity report (per course) <i>course/report.php</i>	Enable separate configuration of parts of the page: 1) Show menu to choose, which logs you want to see <i>moodle/site:chooselogs</i> <i>moodle/viewreports:logs</i> 2) Show link to watch current activity (live logs) <i>moodle/site:viewlivelogs</i> <i>moodle/viewreports:livelogs</i> 3) Show link to see the activity report <i>moodle/site:viewactivityreport</i> <i>moodle/viewreports:activityreport</i> 4) Show menu to choose detailed reports for activities <i>moodle/site:activitydetails</i> <i>moodle/viewreports:activitydetails</i> 5) Show link to see statistics (already implemented: settings "enable statistics")	none	existing capability remains for general configuration and must be enabled to activate the sub-capabilities: <i>moodle/site:viewreports</i> Reason for additional capabilities: No possibility for detailed configuration. To meet special needs there should be some parts of the page not visible. Conflicts? Dependencies? Priority: I

Page	Capability (Site Level)	Option (User Profile)	Comments
Activity report per user <i>course/user.php</i>	<p>Enable separate configuration of parts of the page (switch on/off the visibility of links in the top of the page)</p> <p>6) Show link to outline report <i>moodle/user:viewoutlinereport</i></p> <p>7) Show link to complete report <i>moodle/user:viewcompletereport</i></p> <p>8) Show link to todays logs <i>moodle/user:viewtodayslogs</i></p> <p>9) Show link to all logs <i>moodle/user:viewalllogs</i></p> <p>10) Show link to statistics</p> <p>* (already implemented: settings "enable statistics")</p>	none	<p>Existing capability remains for general configuration and should be enabled to activate to sup-capabilities!</p> <p><i>moodle/user:viewuseractivitiesreport</i></p> <p>Reason for additional capabilities: No possibility for necessary detailed configuration</p> <p>Conflicts?</p> <p>Dependencies?</p> <p>Priority: 1</p>
User Profile <i>user/view.php</i>	<p>Hide/show user fields:</p> <p>11) Show course list/Courses <i>moodle/user:viewcourselist</i> <i>moodle/course:viewcourselist</i></p> <p>12) Show last access</p> <p>* Not visible, if defined as hidden user field. The capability <i>moodle/course:viewhiddenuserfields</i> should hide this field, but does not! BUG!</p> <p>13) Show login as</p> <p>* ok, is implemented: <i>moodle/user:loginas</i></p>	<p>Enable the user to show/hide</p> <p>1) Show course list/My courses</p> <p>Option in the Edit Profile page</p>	<p>Performance for user options?</p> <p>Serious performance improvements, if course list is at site level disabled !!</p> <p>Priority: 2 (site level)</p> <p>Priority: 3 (user level)</p>
Statistics <i>course/report/stats/index.php</i>	<p>Disable the link to log data (last column in the table)</p> <p>14) Add a switch in config.php. Default setting: disabled, because admin can access from other parts to the log data from interface!</p>		<p>Priority: 3</p> <p>Access to log data is a backdoor and should be disabled</p>

Page	Capability (Site Level)	Option (User Profile)	Comments
Participants <i>user/index.php</i>	Disable/Enable parts of the page: 15) Show users, who have been inactive for (period) <i>moodle/user:viewinactiveusers</i> 16) Show last access * ok. If defined as a hidden user field this column is not visible (But works not in the profile page, s. 12!!)		Priority: 3
Backups <i>backup/backup.php</i>	Disable the integration of personal data in backups 17) Exclude log data from backups <i>moodle/backup:excludelogs</i> 18) Exclude user form backups <i>moodle/backup:excludeuser</i> 19) Exclude user files from backups <i>moodle/backup:excludeuserfiles</i>		Priority: 1 Access to log data is a backdoor and should be disabled
config.php	Enable smaller numbers of time periods for log data Add a small number (=1) to the function "add to log"		Priority: 3

Expected benefits for Moodle and Users

- 1) No more discussions on privacy issues, because each institution gets the possibility to configure Moodle by themselves - important for the acceptance for schools and universities.
- 2) No code changing, all the necessary configurations could be done in the administration menu.
- 3) No special european way and no special adaption to privacy regulation needed - the options could be useful for American or other sites too!

Roadmap

As agreed with Petr Skoda the best way is to add the requests (No. 1-19) as new tasks in Moodle Tracker. There is a realistic chance to get some of these things done in the 1.9x release.

Ralf Hilgenstock will add this and Petr Skoda will coordinate the implementation.

Between 1.9 and 2.0 is a stop for work at the role definitions because of cleanups, so now is a chance to get this done.

(Christian Grune, 12.9.2007, Graz)

Screenshots

Lehren mit Moodle - Überblick: Reports

You are logged in as Christian Grune+ (Logout)

HU-MyMoodle ► LehrenMitMoodle ► Reports

Choose which logs you want to see:

Lehren mit Moodle - Überblick [more] All participants Today, 20 August 2007

All activities All actions Display on page Get these logs

Or watch current activity:

Live logs from the past hour

Activity report

Activity module Choose... Look back Choose... Show only Kursverantwortliche/r Show actions

All actions Go

Statistics

1) Show menu to choose, which logs you want to see

2) Show link to watch current activity (live logs)

3) Show link to see the activity report

4) Show menu to choose detailed reports for activities

Student1 | estaccount Grune

Profile Edit profile Forum posts Blog Activity reports Roles

Outline report Complete report Today's logs All logs Statistics

Topic 0

Fragen zum Kurs

6) Show link to outline report

7) Show link to complete report

8) Show link to today's logs

9) Show link to all logs

10) (already implemented: settings "enable statistics")

Topic 1

Journal - das Tagebuch des Lerner	13 words	Mittwoch, 15 August 2007, 02:17 pm (5 days 2 hours)
Wiki - gemeinsame Arbeit am Thema	-	
Glossare - the other way of learning	1 Entries	Mittwoch, 3 Mai 2006, 10:07 am (1 year 109 days)
Aufgaben: Wissensüberprüfung online und Offline	Grade: 2 / 10	

Student1 Testaccount Grune

Profile

Edit profile

Forum posts

Blog

Activity reports

Roles



City/town: Berlin

Email address (will be your Username): student1@grune.de

Courses: testkurs lau Klon, Christians Spielwiese zum Testen, testkurs lau, testkurs lau Kopie 1, Lehren mit Moodle - Überblick, Moodle Aufbaukurs - erweiterte Moodle-Funktionen, Online-Tests (Quizzes) in Moodle

Last access: Freitag, 17 August 2007, 09:30 am (3 days 7 hours)

Roles: Teilnehmer/in

Unenrol me from

LehrenMitMoodle

Login as

Send message

11

12

13

13) Show login as

* ok, is implemented: moodle/user:loginas

11) Show course list/Courses

12) Show last access

* Not visible, if defined as hidden user field. The capability moodle/course:viewhiddenuserfields should hide this field, but does not! BUG!

Flexibles Lernen - wo Du willst und wann Du willst

Übersicht

vhsfreelearning » Administration » Berichte » Statistiken

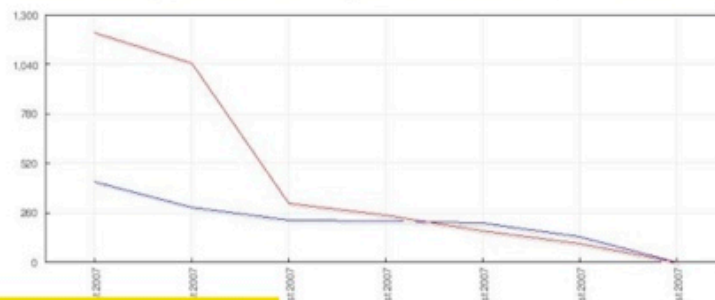
Kurs: vhsfreelearning

Berichtsform: Alle Aktivitäten (Trainer/innen und Teilnehmer/innen)

Zeitraum/-dauer: 1 Wochen

Zugriff

vhsfreelearning - Alle Aktivitäten (Trainer/innen und Teilnehmer/innen)



14) Add a switch in config.php. Default setting: disabled, because admin can access from other parts to the log data from interface!

14

Ende des Zeitraums (daily)	Aktivitäten der Teilnehmer/innen	Aktivitäten der Trainer/innen	Logdaten
15 August 2007	0	0	Kurs Logdaten
14 August 2007	134	96	Kurs Logdaten
13 August 2007	206	164	Kurs Logdaten
12 August 2007	218	247	Kurs Logdaten
11 August 2007	221	312	Kurs Logdaten
10 August 2007	289	1048	Kurs Logdaten
9 August 2007	421	1205	Kurs Logdaten

fertig

HU-MyMoodle ► LehrenMitMoodle ► Participants

Lehren mit Moodle - Überblick

Participants Blogs



Show users who have been inactive for more than **15** **15) Show users, who have been inactive for (period)**

User list

Current role:

All participants: 8

(Accounts unused for more than 180 days are automatically unenrolled)

User picture	First name / Surname	City/town	Country	Last access	Enrolment Ends	Select
	Andreas Vollmer	Berlin	Germany	3 mins 19 secs	4 September 2007	<input type="checkbox"/>
	Andre Böttger	Berlin	Germany	3 days 3 hours	1 September 2007	<input type="checkbox"/>

16 **16) Show last access**

* ok. If defined as a hidden user field this column is not visible (But works not in the profile page, s. 12!!)

Metacourse:

Users: **18** **18) Exclude users from backups**

Logs: **17** **17) Exclude log data from backups**

User Files: **19** **19) Exclude user files from backups**

Course files: