**Workshop on Moodle Privacy / Data Protection - Results**

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**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.

<table>
<thead>
<tr>
<th>Page</th>
<th>Capability (Site Level)</th>
<th>Option (User Profile)</th>
<th>Comments</th>
</tr>
</thead>
</table>
| Activity report (per course) | Enable separate configuration of parts of the page:  
1) Show menu to choose, which logs you want to see  
moodle/site:chooselogs  
moodle/viewreports:logs  
2) Show link to watch current activity (live logs)  
moodle/site:viewlivelogs  
moodle/viewreports:livelogs  
3) Show link to see the activity report  
moodle/site:viewactivityreport  
moodle/viewreports:activityreport  
4) Show menu to choose detailed reports for activities  
moodle/site:activitydetails  
moodle/viewreports:activitydetails  
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:  
moodle/site:viewreports  
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: 1 |
<table>
<thead>
<tr>
<th>Page</th>
<th>Capability (Site Level)</th>
<th>Option (User Profile)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activity report per user</td>
<td>Enable separate configuration of parts of the page (switch on/off the visibility of links in the top of the page)</td>
<td>none</td>
<td>Existing capability remains for general configuration and should be enabled to activate to supercapabilities!</td>
</tr>
<tr>
<td>course/user.php</td>
<td>6) Show link to outline report moodle/user:viewoutlinereport</td>
<td></td>
<td><strong>moodle/user:viewuseractivitiesreport</strong></td>
</tr>
<tr>
<td></td>
<td>7) Show link to complete report moodle/user:viewcompletereport</td>
<td></td>
<td>Reason for additional capabilities: No possibility for necessary detailed configuration</td>
</tr>
<tr>
<td></td>
<td>8) Show link to todays logs moodle/user:viewtodayslogs</td>
<td></td>
<td>Conflicts?</td>
</tr>
<tr>
<td></td>
<td>9) Show link to all logs moodle/user:viewalllogs</td>
<td></td>
<td>Dependencies?</td>
</tr>
<tr>
<td></td>
<td>10) Show link to statistics ✴ (already implemented: settings &quot;enable statistics&quot;)</td>
<td></td>
<td>Priority: 1</td>
</tr>
<tr>
<td>User Profile</td>
<td>Hide/show user fields:</td>
<td></td>
<td>Performance for user options?</td>
</tr>
<tr>
<td>user/view.php</td>
<td>11) Show course list/Courses moodle/user:viewcourselist moodle/course:viewcourselist</td>
<td>Enable the user to show/hide</td>
<td>Serious performance improvements, if course list is at site level disabled!!</td>
</tr>
<tr>
<td></td>
<td>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!</td>
<td></td>
<td>Priority: 2 (site level)</td>
</tr>
<tr>
<td></td>
<td>13) Show login as ✴ ok, is implemented: moodle/user:loginas</td>
<td></td>
<td>Priority: 3 (user level)</td>
</tr>
<tr>
<td>Statistics</td>
<td>Disable the link to log data (last column in the table)</td>
<td>Enable the user to show/hide</td>
<td>Access to log data is a backdoor and should be disabled</td>
</tr>
<tr>
<td>course/report/stats/index.php</td>
<td>14) Add a switch in config.php. Default setting: disabled, because admin can access from other parts to the log data from interface!</td>
<td></td>
<td><strong>moodle/user:viewuseractivitiesreport</strong></td>
</tr>
<tr>
<td>Page</td>
<td>Capability (Site Level)</td>
<td>Option (User Profile)</td>
<td>Comments</td>
</tr>
<tr>
<td>------------------</td>
<td>----------------------------------------------------------------------------------------</td>
<td>-----------------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>Participants</td>
<td>Disable/Enable parts of the page:</td>
<td></td>
<td>Priority: 3</td>
</tr>
<tr>
<td>user/index.php</td>
<td>15) Show users, who have been inactive for (period)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>16) Show last access</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>* ok. If defined as a hidden user field this column is not visible (But works not in the profile page, s. 12!!)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Backups</td>
<td>Disable the integration of personal data in backups</td>
<td></td>
<td>Priority: 1</td>
</tr>
<tr>
<td>backup/backup.php</td>
<td>17) Exclude log data from backups</td>
<td></td>
<td>Access to log data is a backdoor and should be disabled</td>
</tr>
<tr>
<td></td>
<td>18) Exclude user form backups</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>19) Exclude user files from backups</td>
<td></td>
<td></td>
</tr>
<tr>
<td>config.php</td>
<td>Enable smaller numbers of time periods for log data</td>
<td></td>
<td>Priority: 3</td>
</tr>
<tr>
<td></td>
<td>Add a small number (=1) to the function “add to log”</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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:**

### Choose which logs you want to see:

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

### Activity module:

- Choose...
- Look back
- Choose...
- Show only
- Kursverantwortliche/r
- Show actions
- All actions
- Go
- Statistics

### Student1 Testaccount Grune

#### Topic 0

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

#### Topic 1

- Journal - das Tagebuch des Lerners: 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

* (already implemented: settings "enable statistics")
15) Show users, who have been inactive for (period)

All participants: 8
(Accounts unused for more than 180 days are automatically unenrolled)

<table>
<thead>
<tr>
<th>User picture</th>
<th>First name / Surname</th>
<th>City/town</th>
<th>Country</th>
<th>Last access</th>
<th>Enrolment Ends</th>
<th>Select</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Andreas Vollmer</td>
<td>Berlin</td>
<td>Germany</td>
<td>3 mins 19 secs</td>
<td>4 September 2007</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Andre Böttger</td>
<td>Berlin</td>
<td>Germany</td>
<td>3 days 3 hours</td>
<td>1 September 2007</td>
<td></td>
</tr>
</tbody>
</table>

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. 12ff)

18) Exclude users from backups
17) Exclude log data from backups
19) Exclude user files from backups