

## Call for Bids

**Name of Project:** Security in ILIAS Step 1: Investigation  
**Deadline for Bids:** **15. November 2017**  
**Hand in Bids to:** Matthias Kunkel, ILIAS e.V., info@ilias.de

Dear All,

the Technical Board of the ILIAS society hereby calls for bids for the following project.

In the strategy 2017 of the Technical Board, we declare in section “Reliable Learning Management” that “security is acknowledged and cultivated as both a process and a habit” and that “security hardening is also introduced in ILIAS retroactively”<sup>1</sup>.

We currently lack a systematic approach to take care of security related aspects in our development processes. We also lack a proper centralized source of information pointing to all relevant know-how and things to consider while dealing with security in ILIAS. Therefore, we initiate this research and documentation project as first step towards enhanced reliability and security of the ILIAS software.

Details of the project are outlined on the next page. Please hand in your bids and a corresponding statement of work by email according to the information in the header.

Bids will be judged by the offered price and the details outlined in the statement of work. We are looking forward to your submissions.

Best regards,

Matthias Kunkel

on behalf of the Technical Board of the ILIAS society

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<sup>1</sup> See Strategy 2017: [https://www.ilias.de/docu/goto\\_docu\\_file\\_5585\\_download.html](https://www.ilias.de/docu/goto_docu_file_5585_download.html)

## Project Details

**Name of Project:** Security in ILIAS Step 1: Investigation

**Latest date of delivery:** **Please specify in your offer**

**Budget Limit:** **10.000,00 € (incl. German VAT)**

**Goals and** Goal

**Benchmarks:**

- Having a documented framework of security topics for ILIAS that founds the ground for risk assessments and further actions that address security aspects in all our processes.

Benchmark

- Having a first version of a Security Assessment for ILIAS that includes all relevant information listed below.

**Deliverables:**

- A document in English language being called “Security Assessment for ILIAS” with a main part that derives its structure from the OWASP Top 10 (current released version 2017 if available, otherwise 2013), see [https://www.owasp.org/index.php/Category:OWASP\\_Top\\_Ten\\_Project](https://www.owasp.org/index.php/Category:OWASP_Top_Ten_Project)
- The document should be delivered as MS Word or Open Office file. No information should go to the code repository at this point.
- For each of the 10 points the document should cover:
  - A brief general description of the vulnerabilities.
  - Example code in ILIAS that may be exposed to this kind of vulnerability. This may also include cases where

existing guidelines, e.g. DB quoting, have not been applied.

- An estimation of the amount of ILIAS code that may be exposed to this kind of vulnerability.
  - Existing functions, libs or guidelines that help developers to secure their code.
  - Candidates for new guidelines, libs, utilities or similar instruments that could help developers to secure their code in the future.
  - Candidates for CI tools or code that can help to identify code at risk.
- A prioritization based on a first risk assessment of all topics.

**General Conditions:** The following steps will have to be completed:

- Discussion of a first proposal of the document with the TB.
- Revision of the document according the feedback of the TB.

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Cologne, October 17, 2017