

An abstract graphic consisting of various geometric shapes like squares and rectangles in shades of orange and yellow, arranged in a pattern that suggests a staircase or a series of steps, set against a dark blue background.

Introducing SEB Server

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10th SIG e-Assessment Workshop, June 20, 2018

Swiss MOOC Service (SMS)

- SEB Server is part of swissuniversities CUS-P5 project “Swiss MOOC Service” of EPFL, USI, SUPSI, HES-SO and ETHZ
- National MOOC platform for the Swiss institutions of higher education. Goals:
 - Establishing the Open edX based MOOC platform, running on server infrastructure in Switzerland
 - Integrating it in different national services like AAI, etc.
 - Enabling high-stake online examinations on this MOOC platform

Two SMS Subprojects

- SEB integration in Open edX:
 - Option to require and authenticate the use of Safe Exam Browser for examinations taken with Open edX
 - Similar to SEB integrations in Learning Management Systems (LMS) like ILIAS, OpenOLAT, Moodle
- Implementation of the SEB Server

SEB Server

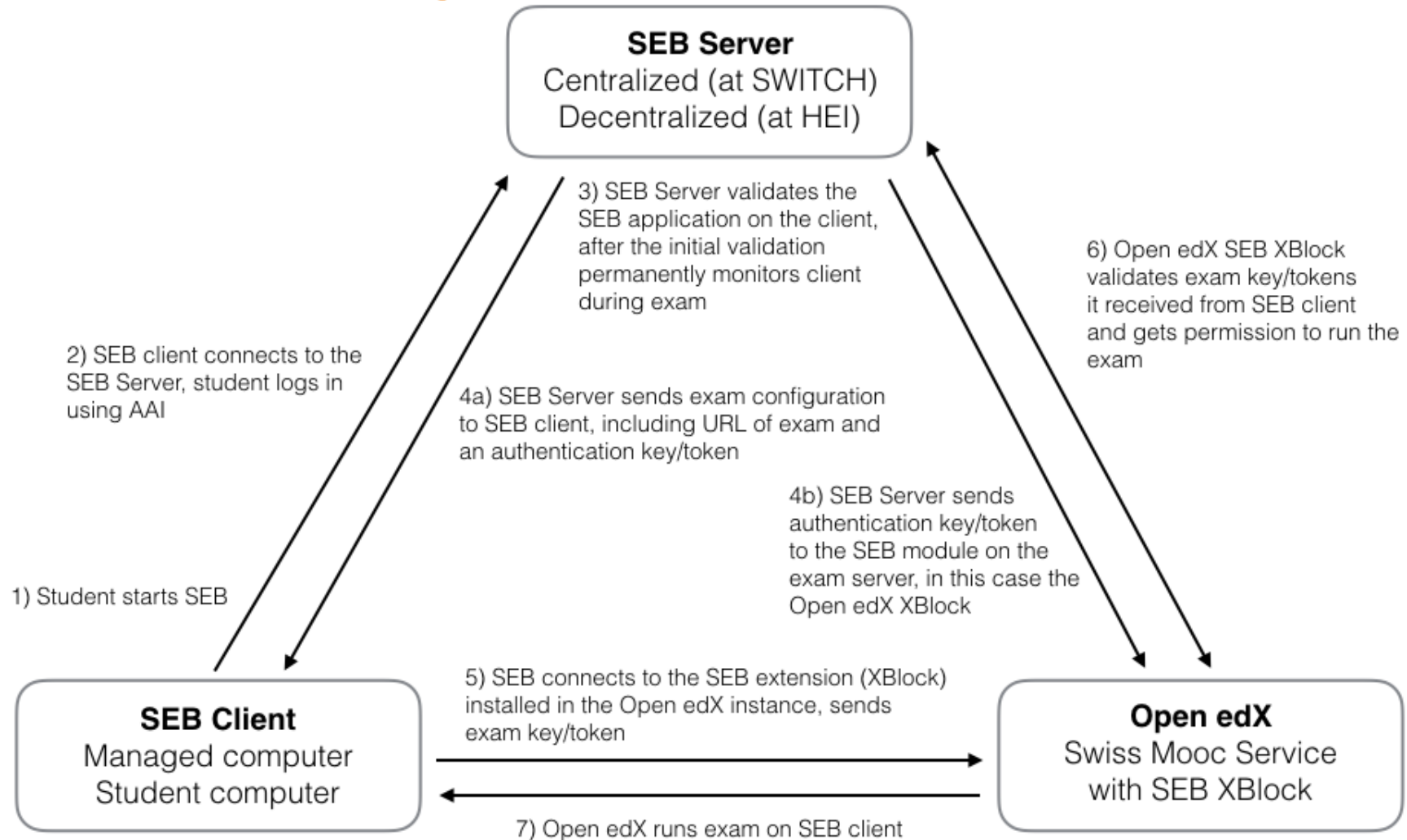
- Central management of SEB clients for exams: Clients receive exam settings automatically from the SEB Server.
- Simple and user friendly interface for an exam specialist to set up the configuration for a quiz
- Improved security with automatic three-way authentication between SEB clients, exam system and SEB Server.
- Easy to operate monitoring functionality for
 - capturing incidents, SEB logs
 - optional logging of user activity
 - optional remote supervising/proctoring such as screen recording without requiring third party software solutions

Characteristics of SEB Server

Keeping the SEB exam solution modular and compatible with a wide range of exam systems

- Open source and freely available
- Well documented API to connect to exam systems
- Installation on common open source servers, Docker image
- Scalable: A centralized SEB Server for a large number of institutions will be possible

Functional Diagram



**Thank you for your attention.
Please discuss...**

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