

Safe Exam Browser - NOTES -

The moodle **Quiz activity** has built in settings to allow secure Exams using the **Safe Exam Browser (SEB)**, a customised Browser running on the Student's computer for a more effective job of restricting their actions.

WARNING for Instructors and Students:

SEB must be [downloaded and installed](#) on devices where Instructors will be using it and Students will attempt Quizzes;

it **should be done ahead of time and only once per device.**

It is available for Windows (7, 8.1, 10), macOS (starting 10.7, recommended 10.11 or newer) and iOS (9.3.5 or newer).

Some Features in a **Quiz using SEB:**

1. Students will only be able to attempt the Quiz if they use Safe Exam Browser.
2. SEB cannot be closed until the Quiz is submitted.
3. Back/forward navigation and reload can be disabled.
4. Switching to other applications is disabled by default
 - it's possible to allow the use of specific third-party applications during an Exam (for ex, allowing the use of the Calculator app during a Math Quiz).
5. The Browser window will not have a URL or search field
 - specific web sites/pages/resources can be configured to be accessible during an Exam, using a URL filter.
6. Spell checking and dictionary lookup is disabled but can optionally be allowed.
7. Shortcut keys such as Win+Tab, Alt+Tab, Ctrl+Alt+Del, Alt+F4, Print Screen, Cmd+Tab are disabled or cannot be used to close SEB or to switch to other Users accounts on the computer.
8. The possibility of taking screen shots is disabled.
9. The clipboard is cleared when starting and quitting Safe Exam Browser.
10. The Browser context menu is disabled.

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➤ FOR INSTRUCTORS: HOW TO configure SEB

- by selecting a SEB pre-configured file (template)
or
- configuring SEB manually

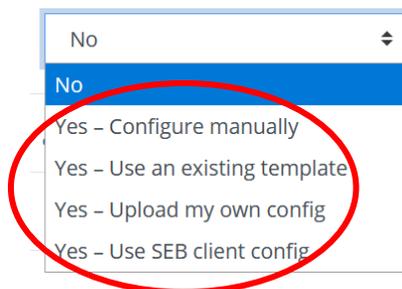
- Go to go to your **moodleCourse**
- click **Turn editing on**
- click the **Add an activity and resource** link
- select **Quiz**, in the Activities options page
- in the **Quiz activity** settings:

Start by clicking the **Safe Exam Browser** section:

▶ Appearance

▼ Safe Exam Browser

Require the use of Safe Exam Browser ?



The available options are:

1. **No**: Safe Exam Browser is **not used** to attempt the Quiz.

OR

2. **Yes - Configure manually**: No template for the configuration of SEB will be used. You will need to configure it manually.
3. **Yes - Use an existing template**: A template for the configuration of SEB will be used. Templates are managed by the Moodle Administrator. Your manual settings overwrite the settings in the template.
4. **Yes - Upload my own config**: You can upload your own SEB configuration file. All manual settings and the use of other templates will be disabled.
5. **Yes - Use SEB client config: Not recommended.**
No configurations of SEB are done on the Moodle side. The Quiz can be attempted with any configuration file of Safe Exam Browser, you'll need to hand it over to Students by eMail or other means.

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➤ USING AN EXISTING TEMPLATE

▼ Safe Exam Browser

Require the use of Safe Exam Browser	<input type="checkbox"/> Yes - Use an existing template
Safe Exam Browser config template	<input type="checkbox"/> SEB default config w/o audio
Show Safe Exam Browser download button	<input type="checkbox"/> Yes
Enable quitting of SEB	<input type="checkbox"/> Yes
Quit password	Click to enter text

Options:

- Safe Exam Browser config template** – Select a SEB pre-configured file (template) with the name **“SEB default config w/o audio”**, which has the sound disabled.
- Show Safe Exam Browser download button – Yes/No**
 - Set whether a button for Safe Exam Browser **app** download will be shown, or not, on the Quiz start page.
- Enable quitting of SEB - Yes/No**
 - If enabled, Users can quit SEB with the “Quit” button  in the task bar or by pressing the keys Ctrl+Q (Win) or Cmd+Q (iOS).
- Quit password** – *select a password*
 - This password is prompted when Users try to quit SEB with the “Quit” button , Ctrl+Q (Win) or Cmd+Q (iOS) or the close button in the main browser window.
If no quit password is set, then SEB will ask for “Are you sure you want to quit SEB?”.

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➤ USING A MANUAL CONFIGURATION

▼ Safe Exam Browser

Require the use of Safe Exam Browser ?	<input type="text" value="Yes - Configure manually"/>	Show reload button ?	<input type="text" value="Yes"/>
Show Safe Exam Browser download button ?	<input type="text" value="Yes"/>	Show time ?	<input type="text" value="Yes"/>
Show Exit Safe Exam Browser button, configured with this quit link ?	<input type="text"/>	Show keyboard layout ?	<input type="text" value="Yes"/>
Ask user to confirm quitting ?	<input type="text" value="Yes"/>	Show Wi-Fi control ?	<input type="text" value="Yes"/>
Enable quitting of SEB ?	<input type="text" value="Yes"/>	Enable audio controls ?	<input type="text" value="Yes"/>
Quit password ?	<input type="text" value="..."/>	Mute on startup ?	<input type="text" value="No"/>
Enable reload in exam ?	<input type="text" value="Yes"/>	Enable spell checking ?	<input type="text" value="Yes"/>
Show SEB task bar ?	<input type="text" value="Yes"/>	Enable URL filtering ?	<input type="text" value="No"/>

1. **Require the use of Safe Exam Browser** - Select **“Yes – Configure manually”**

- check all remainder items in this configuration page; below you´ll find **detailed information** about each item.

For context help with information about each item, click ?.

2. **Show Safe Exam Browser download button – Yes/No**

- Set whether a button for Safe Exam Browser **download** will be shown on the Quiz start page.

3. **Show Exit Safe Exam Browser button** – leave it empty by default.

- In this field you can enter a link to quit SEB. It will be used on an “Exit Safe Exam Browser” button on the page that appears after the Exam is submitted. When clicking the button or the link placed wherever you want to put it, it is possible to quit SEB without having to enter a quit password. If you do not place the link, the Student is allowed to exit through the quit button that will appear in the SEB task bar ().

4. **Ask Users to confirm quitting** – Select **Yes/No**.

- Users need, or not, to confirm quitting the Quiz.

5. **Enable quitting of SEB** () – Select **Yes/No**.

- Users can quit SEB with the “Quit” button in the SEB task bar or by pressing the keys Ctrl+Q (Win) /Cmd+Q (iOS).

6. **Quit password** - Enter a **password**.

- If no quit password is set, then Safe Exam Browser just prompts "Are you sure you want to quit Safe Exam Browser?".

7. **Enable reload in Exam** – Select **Yes/No**

- A reload button is displayed in the SEB in the top bar, left corner to allow for reloading of the page during a Quiz.

8. **Show SEB task bar** – Select **Yes/No**

- Set whether Users are shown the Safe Exam Browser task bar. In this case the window close button will not show up and the Student will have to close the SEB window with the shortcut Ctrl+Q (Win) / Cmd+Q (iOS).
- If enabled, a task bar will appear at the bottom of the SEB browser window. The task bar is required to display items such a Wi-fi control (5), reload button, time (2) and keyboard layout (3).



9. **Show reload button** – Select **Yes/No**.

- A reload button is displayed in the SEB task bar, allowing the current web page to be reloaded .

10. **Show time (2)**– Select **Yes/No**

- The current time the is displayed in the SBE task bar.

11. **Show keyboard layout (3)** – Select **Yes/No**

- The current keyboard, layout is shown in the SEB task bar. It allows you to switch to another keyboard layout, which have been enabled in the operating system.

12. **Show Wi-Fi control (5)**– Select **Yes/No**

- A Wi-fi control button appears in the SEB task bar. The button allows Users to reconnect to Wi-fi networks which have previously been connected to.

13. **Enable audio controls (4)**– Select **Yes/No**

- **If Yes** is selected, the audio control icon is shown in the SEB task bar to change the audio volume
and
 - **Mute on startup** – Select **Yes/No**
If enabled the audio is initially muted when starting SEB.

14. **Enable spell checking** – Select **Yes/No**

- Spell checking in the SEB browser is allowed.

15. **Enable URL filtering** – **Not recommended**

- If enable, URLs will be filtered when loading web pages.
For more information, click [here](#).

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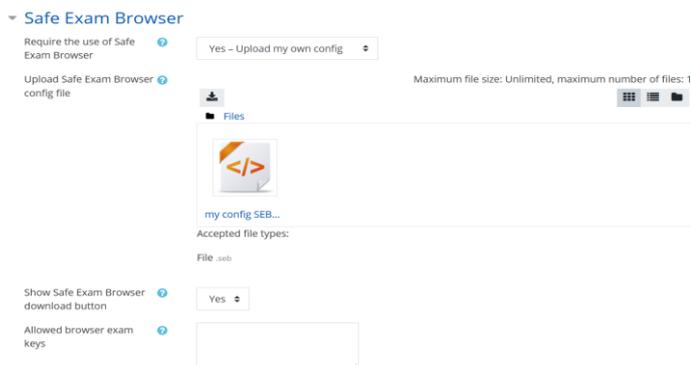
➤ USING YOUR OWN CONFIG

1. Create a **manual configuration** (step above) and then download that configuration.

[Download configuration](#)

2. Safe Exam Browser

- a. **Require the use of Safe Exam Browser** - Select **Yes – Upload my own config**



The screenshot shows the Moodle configuration page for Safe Exam Browser. It includes the following settings:

- Safe Exam Browser** (expanded):
 - Require the use of Safe Exam Browser**: Set to "Yes – Upload my own config".
 - Upload Safe Exam Browser config file**: A file manager interface showing a file named "my config SEB..." with a code icon. The accepted file type is ".seb".
- Show Safe Exam Browser download button**: Set to "Yes".
- Allowed browser exam keys**: An empty text input field.

- b. **Upload Safe Exam Browser config file** – Upload **your own** SEB config file for this Quiz.

- c. **Show Safe Exam Browser download button - Yes/No**

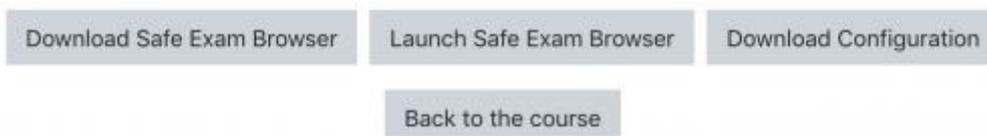
- Set whether a button for SEB download will be shown on the Quiz start page.

3. **Allowed browser Exam keys - Not recommended** for this moodle version.

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➤ **FOR STUDENTS: HOW TO use SEB**

After clicking the Quiz link, **Students** will find some **buttons** on the **Quiz page**, according to the Quiz settings:



- **Download the Safe Exam Browser** (*done only once in the personal computer*)
This button redirects to the download location for SEB:
https://safeExamBrowser.org/download_en.html
After download, run the "**SEB_version_SetupBundle.exe**".
- **Launch the Safe Exam Browser** - It applies the Instructor's pre-selected settings and sends Students to the Quiz starting page.
Students will be asked to re-enter their credentials to start the Quiz.
- **Download Configuration** - if your Students aren't able to access the Quiz with "Launch the Safe Exam Browser" button, they need to click in the "Download Configuration" button to start it.
- At the end of the Quiz, click **Back to the course**.

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References:

<https://moodle.org/>

<https://www.safeExambrowser.org/>

DET [NRO/FR] - 2020.11.11 – last modified 20.11.17