



**UNIVERSITÀ
DI TRENTO**

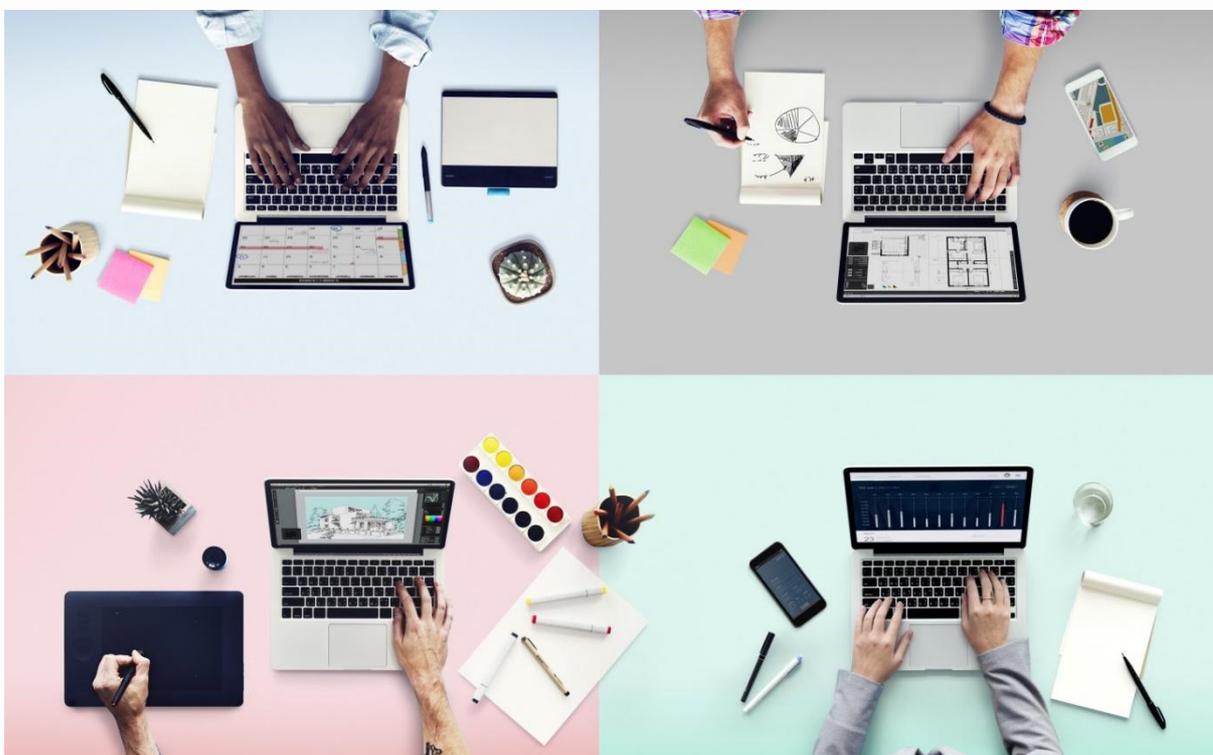
Direzione
Didattica e Servizi agli Studenti

CONFIGURING A QUIZ WITH SAFE EXAM BROWSER (SEB)

Computer-based exams on the student's own computer

(NOT in the computer lab)

(updated 21 June 2022)





WHAT IS SAFE EXAM BROWSER AND WHAT IS IT FOR?

Safe Exam Browser (SEB) is a personalized Web browser, available for Windows (8.1, 10 and 11), macOS (from 10.11) and iOS (iOS/iPadOS 11 or later), integrated with the University's Moodle instance dedicated to exams.

<https://esamionline.unitn.it/loginUniTN.php> .

This browser guarantees security in the running of computer-based exams on Moodle, **for exams taken on students' own computers, whether remotely or in a university classroom.**

The application must be downloaded and installed on the device that the student will use for the quiz.

The recommended method remains that of using the University's computer labs, where security is guaranteed by the configuration of the computers.

It is NOT possible to use SEB in the computer labs.

HOW TO CONFIGURE A QUIZ WITH SEB

1. Go to the Exams instance of Moodle:
<https://esamionline.unitn.it/my/index.php?lang=en>
2. Enter the course where your quiz is located.
3. Click on the title of the quiz, then in the Administration block on the left, select Settings:



The screenshot shows the Moodle administration interface. On the left, a sidebar menu is visible with 'Administration' expanded to show 'Quiz administration'. Under 'Quiz administration', there are three options: 'Edit settings' (with a gear icon), 'Group overrides' (with a red square icon), and 'User overrides' (with a red square icon). The main content area is titled 'Exam with SEB' and displays the following information: 'Opened: Tuesday, 26 July 2022, 11:10 AM' and 'Closes: Tuesday, 26 July 2022, 4:10 PM'. A green box highlights the 'Quiz administration' menu and the 'Exam with SEB' content area.

4. Complete the various fields, following the Quiz guidelines (<https://dol.unitn.it/moodle>).
5. Under Safe Exam Browser you can choose which settings to use. We recommend **SI – con un modello esistente (Yes – use an existing template)**.

The screenshot shows the 'Safe Exam Browser' settings in Moodle. The 'Require the use of Safe Exam Browser' setting is expanded, showing a dropdown menu with the following options: 'No', 'Yes – Configure manually', 'Yes – Use an existing template' (highlighted in blue), 'Yes – Upload my own config', and 'Yes – Use SEB client config'. A green arrow points to the 'Yes – Use an existing template' option. A green box highlights the entire 'Safe Exam Browser' settings section.

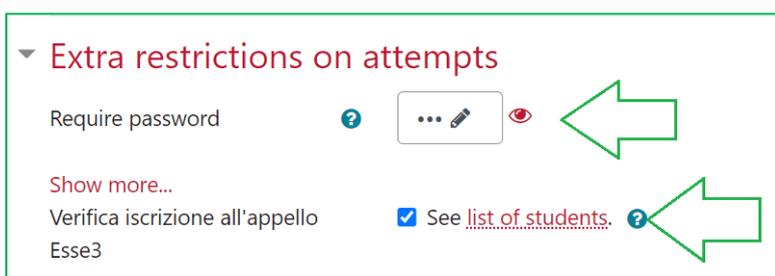
EXISTING MODEL: characteristics

- Students can attempt the quiz only through Safe Exam Browser.
- The browser window has no URL or search field, and backward/forward navigation is disabled. It is possible to reload the page.
- Switching between applications is disabled.
- Keyboard shortcuts such as Win+Tab, Alt+Tab, Ctrl+Alt+Canc, Alt+F4, Printscreen, and Cmd+Tab are disabled or cannot be used to close Safe

Exam Browser or to switch to another user account on the computer.

Screenshots are disabled.

- The clipboard (copy/paste) is automatically cleared when Safe Exam Browser is opened or closed: this means that any items copied to the clipboard before launching SEB are automatically deleted.
NB: when using SEB, copy/paste to and from other applications or websites is permitted **ONLY** if explicitly allowed by the teacher (for example if the teacher inserts a link into the text of a question).
 - The context menu of the browser (right click) is disabled.
 - Web sites/pages/specific resources can be configured to be accessible during an exam, **ONLY** by using a URL filter (see Notes) and **ONLY** if the teacher inserts the link into the text of the question.
 - Spell checking and dictionary searches are disabled.
 - The use of SEB on virtual machines is not permitted. It is not possible to connect more than one monitor or to capture or record the content of the screen.
6. Under Extra restrictions on attempts, make sure that the box next to 'Verifica iscrizioni Esse3' is selected, so that **ONLY** students who have enrolled for this exam can access it. You must also enter **a password** that students will need in order to access the exam. This password should be communicated to students immediately before the exam, as a further form of security.





Also in Extra restrictions on attempts, under Show More..., you will see that by default 'Block concurrent connections' is selected.

▼ **Extra restrictions on attempts**

Require password ? ⋮ ✎ 👁

Show more... ←

Verifica iscrizione all'appello See [list of students](#) ?

Esse3

Show less...

Require network address ?

Browser security ?

Allow quiz to be attempted offline using the mobile app ?

→ **Block concurrent connections** ?

This means that any attempt to open the quiz in a new window on another device will be blocked. If necessary, the teacher can allow the student to continue the test on another device (see Notes > Reopening an attempt).

7. Click Save.



Notes:

Modifying SEB settings

Once the students have begun the exam, it is not possible to modify the settings in the “Safe Exam Browser” section. If modifications are necessary, the exam must be stopped and all the students’ answers eliminated, or a copy of the quiz must be created on which the modifications can be made. This “block” prevents problems for the students taking the exam, as any modifications to the SEB settings interrupt the session underway.

All other sections in the Quiz settings can instead be modified even during the exam.

Access to external sites or documents (preferably in PDF format)

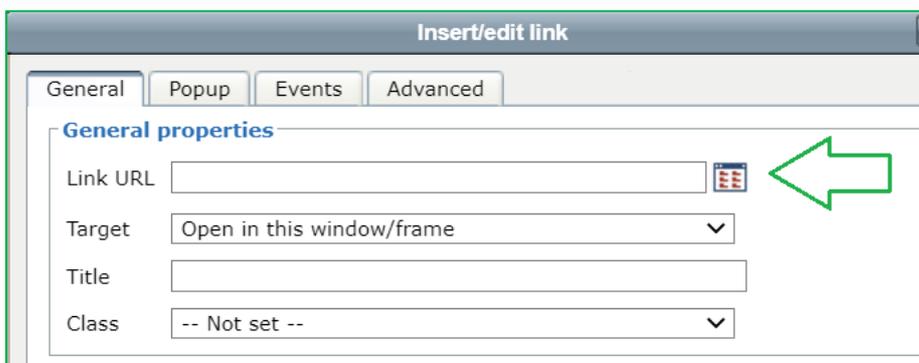
If necessary, the teacher can permit access to external sites (for example, online dictionaries) or text resources, such as PDFs.

In the pre-set configuration, if links to external resources are inserted, SEB will permit the student to open them in a new tab and to navigate through all the pages of the site, including to other domains.

To allow access to sites, the teacher must insert the URL into the text of the

question, using the  button in the text editor.

The  button is used to link to both web pages and documents. To link to documents, click on the icon next to ‘URL link’, which takes you to the page where you can upload the file.



Insert/edit link

General | Popup | Events | Advanced

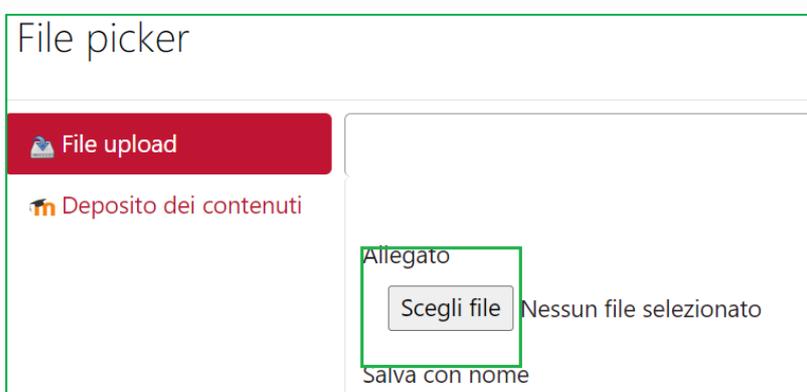
General properties

Link URL  ←

Target ▼

Title

Class ▼



File picker

 File upload

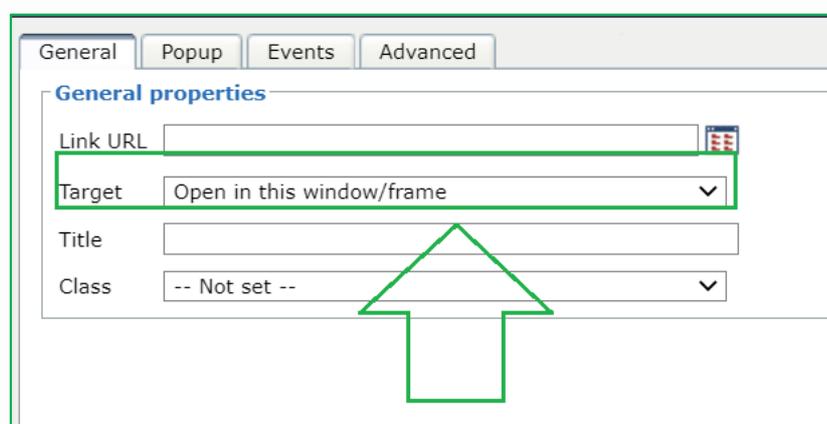
 Deposito dei contenuti

Allegato

Nessun file selezionato

Salva con nome

NB: when you insert a link (whether to a website or a document), change the settings to 'Open in a new window/frame (_blank)'. Otherwise, the students will not be able to return to the quiz page.



General | Popup | Events | Advanced

General properties

Link URL 

Target ▼

Title

Class ▼

↑



**If there is anything that you are not sure about, contact the office
BEFORE the start of the exam.**

Reopening an attempt

If the quiz has been closed or has accidentally disappeared, the teacher may allow the student to resume their attempt as follows:

1. The teacher accesses the Moodle course from the teacher computer in the classroom.
2. The teacher clicks on the link to the test and then clicks on Attempts to open the attempts list.
3. Find the student's name and click on Review attempt.
4. In the box in the top right, click on 'Permetti allo studente di continuare questo tentativo usando un differente dispositivo' (Allow student to continue this attempt on a different device).
5. The student clicks on the Continue button on his/her test on the new device and can continue the exam.

For more information:

Didattica OnLine

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