

VLAB UNIPD

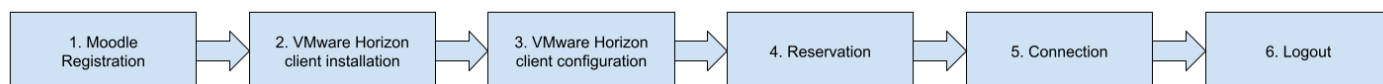
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VLAB Intro

This document summarizes the methods of access to the virtual laboratories foreseen by the VLab project, promoted by the School of Engineering of the University of Padova. The virtual laboratory is a remote space (a virtual machine) that you can access using your computer. All the necessary software for the courses and some disk space are already available in the remote laboratory.

These are the steps to carry out to make a connection to the VLab.



1. Registration in Moodle

Before you can use the VLab it is **mandatory to register** on the Moodle page of the department to which your degree course belongs.

The Moodle pages of the respective departments are:

- Department of Information Engineering: [VLAB DEI 2023-2024](#)
- Department of Industrial Engineering: [VLAB DII 2023-2024](#)
- Department of Civil, Environmental and Architectural Engineering: [VLAB DICEA 2023-2024](#)

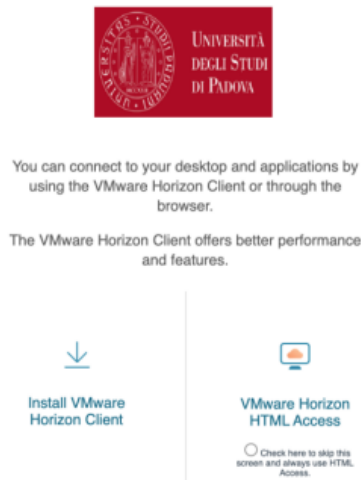
Within each website, there are instructions for taking the first steps. Only subsequently, it is possible to proceed with the installation, booking and subsequent use of the VLab.

There are two methods for accessing virtual machines: VMware Horizon Client mode (through the installation of an application) and HTML Access mode (through the use of a web browser). **VMware Horizon Client mode is recommended.**

2. Client Installation

In order to access the VM, **you must first install the VMware Horizon Client**, according to the following instructions (if you have already installed the client, skip this step):

1. Visit the web site <https://vlab.vdi.ict.unipd.it>
2. Click **Install VMware Horizon Client**.



3. A new webpage opens: click **Go to Downloads** to open the download page for your operating system.

Home / VMware Horizon Clients

Download VMware Horizon Clients

Select Version:

HORIZON 8 ▼

VMware Horizon Clients for Windows, Mac, iOS, Linux, Chrome and Android allow you to connect to your VMware Horizon virtual desktop from your device of choice giving you on-the-go access from any location.

[Click here for a list of certified thin clients, zero clients, and other partner solutions for VMware Horizon.](#)

[Read More](#)

Product Resources

- [View My Download History](#)
- [Product Info](#)
- [Documentation](#)
- [Horizon Mobile Client Privacy](#)
- [Horizon Community](#)

Product Downloads Drivers & Tools Open Source Custom ISOs OEM Addons

Product	Release Date	
▼ VMware Horizon Client for Windows		
VMware Horizon Client for Windows	2024-01-23	GO TO DOWNLOADS
▼ VMware Horizon Client for Mac		
VMware Horizon Client for macOS	2024-01-23	GO TO DOWNLOADS
▼ VMware Horizon Client for Linux		
VMware Horizon Client for 32-bit Linux	2021-01-07	GO TO DOWNLOADS
VMware Horizon Client bundle installer for 64-bit Linux	2024-01-23	GO TO DOWNLOADS
VMware Horizon Client deb package for 64-bit Linux	2024-01-23	GO TO DOWNLOADS
VMware Horizon Client for Linux tarball version	2024-01-23	GO TO DOWNLOADS
VMware Horizon Client RPM package for 64-bit Linux	2024-01-23	GO TO DOWNLOADS

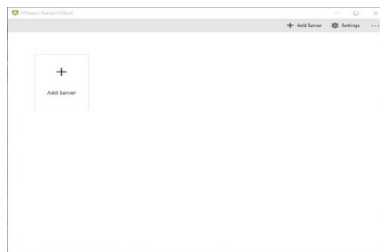
4. Select the latest version (this is the default choice) and click **Download** to start downloading the client.
5. When the download process finishes, install the **VMware Horizon client**. This process depends on your platform (Windows/Mac/Linux); if asked, accept the default values to finish the installation process.
6. If you are prompted to restart your system, do it now.

3. VMware Horizon client configuration

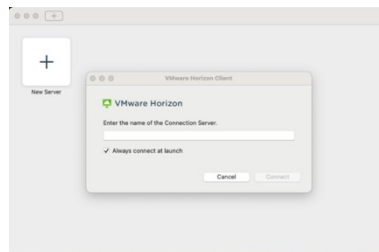
After the client is installed in your pc, **you have to configure the VMware Horizon Client** (if you already configured the client, skip this step):

- Start **VMware Horizon Client**.
- Click **Add Server** (or **New Server**).

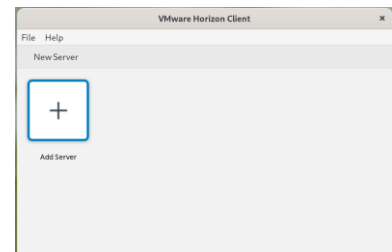
Windows



MacOS



Linux

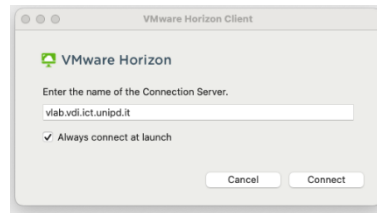


- Enter the name of the connection server ***vlab.vdi.ict.unipd.it*** then click **Connect**.

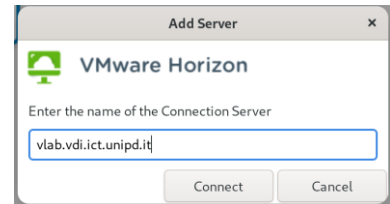
Windows



MacOS

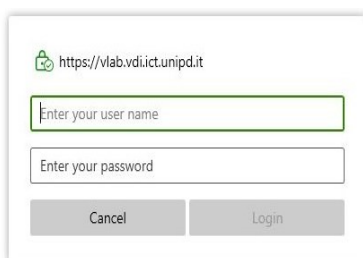


Linux

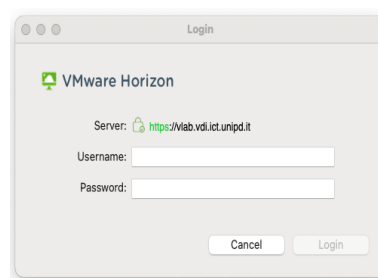


- Fill in the **Username** field with your institutional email address (@unipd or @studenti.unipd.it) and fill in the **Password** field with your email password and then click **Login**.

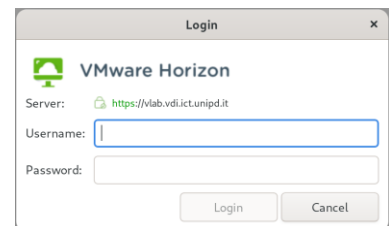
Windows



MacOS



Linux

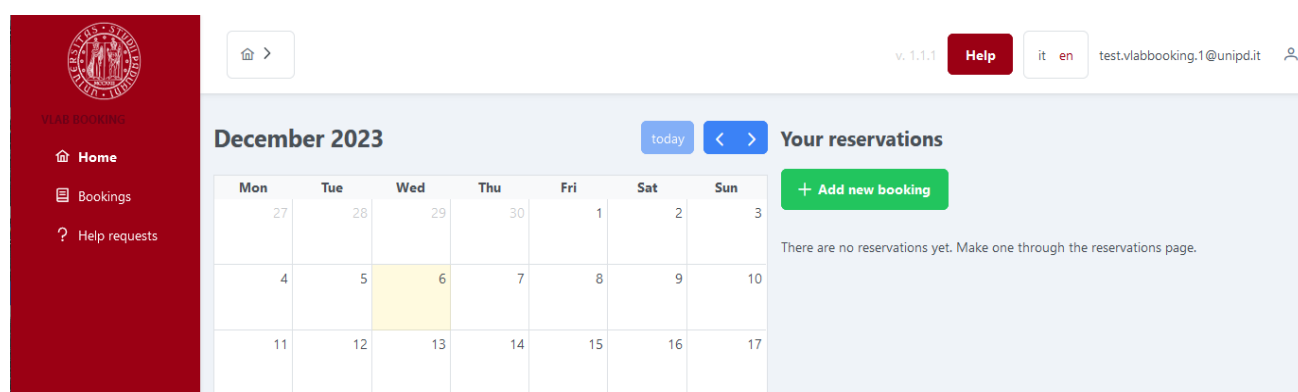


4. Vlab booking

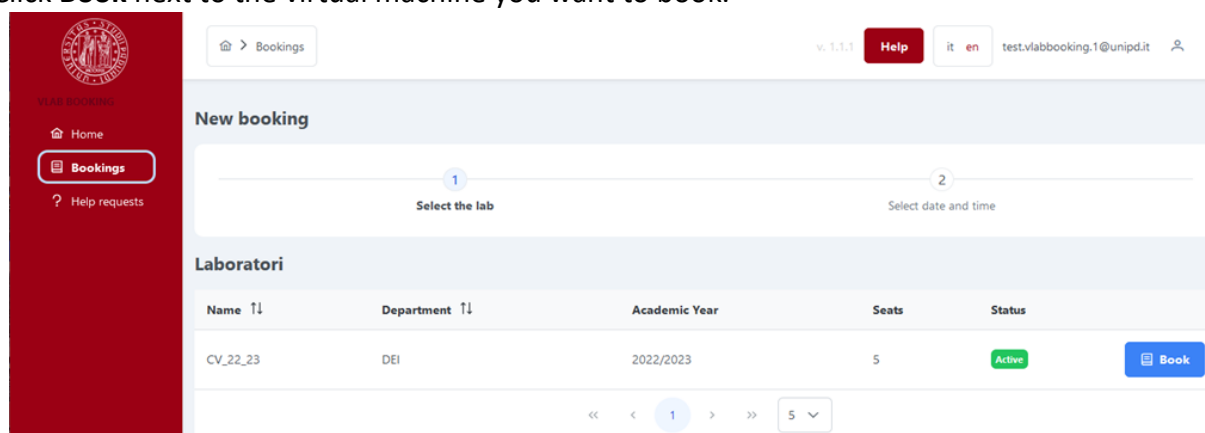
During the teaching activities carried out in classroom, the reservations are typically carried out by the instructor, therefore no action is required from the student. You can then move on to the [Connecting to the virtual machine](#) section.

When students want to independently use the virtual laboratories (for example to carry out exercises at home), **they must make a reservation** using the following steps:

1. Connect to the website <https://vlabbooking.vdi.ict.unipd.it> and insert the SSO access credentials of the university. The reservations made by the instructor (not modifiable by the student) for teaching activities carried out in the classroom are visible in the calendar.



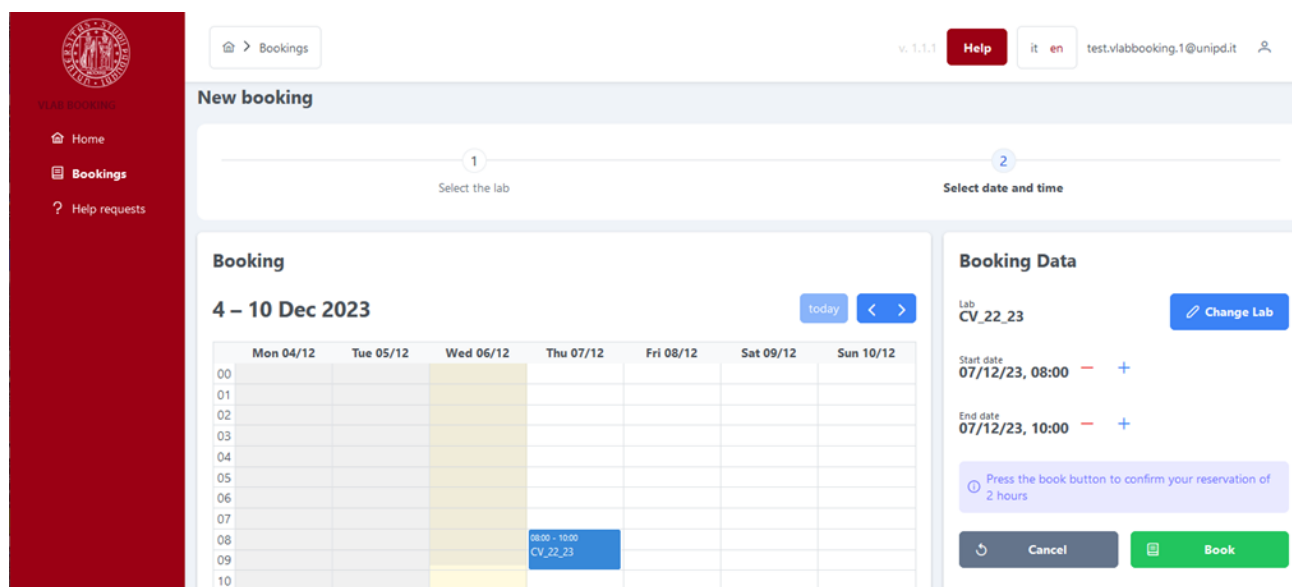
2. Click the voice **Bookings** in the vertical menu on the left, or click the green button **Add new reservations**.
3. In the page **New bookings**, a list of virtual machines available for each laboratory is visible. Click **Book** next to the virtual machine you want to book.



Name ↑↓	Department ↑↓	Academic Year	Seats	Status	
CV_22_23	DEI	2022/2023	5	Active	<button>Book</button>

4. Select a time slot from those available in the calendar (hold down the left mouse button to select contiguous time slots): in the **Booking data** box, it is possible to adjust the actual duration of the reservation with a precision +/- 15 minutes.

5. Press **Book** to confirm or **Cancel** to reset the reservation.



New booking

1 Select the lab

2 Select date and time

Booking

4 – 10 Dec 2023

	Mon 04/12	Tue 05/12	Wed 06/12	Thu 07/12	Fri 08/12	Sat 09/12	Sun 10/12
00							
01							
02							
03							
04							
05							
06							
07							
08				08:00 - 10:00 CV_22_23			
09							
10							

Booking Data

Lab CV_22_23

Start date 07/12/23, 08:00

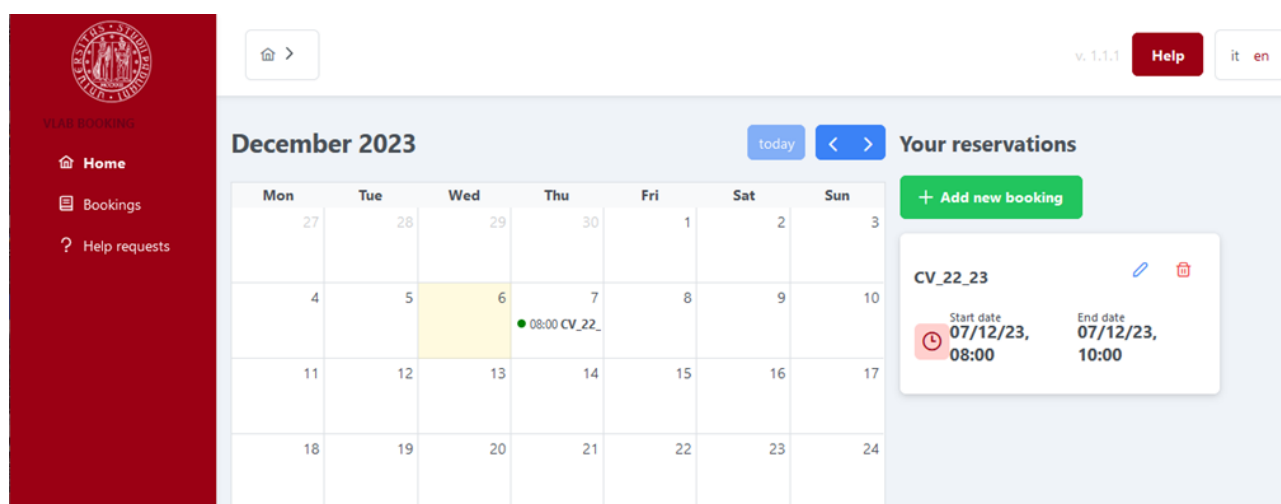
End date 07/12/23, 10:00

Press the book button to confirm your reservation of 2 hours

Cancel Book

6. After confirming the reservation, the main page shows the reservations made.

7. To edit a reservation, click the pen icon in the **Your Reservations** pane, or directly click the reservation in the calendar and then click **Edit** and make the desired corrections.



December 2023

today < >

Your reservations

+ Add new booking

Mon	Tue	Wed	Thu	Fri	Sat	Sun
27	28	29	30	1	2	3
4	5	6 ● 08:00 CV_22_	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24

CV_22_23

Start date 07/12/23, 08:00

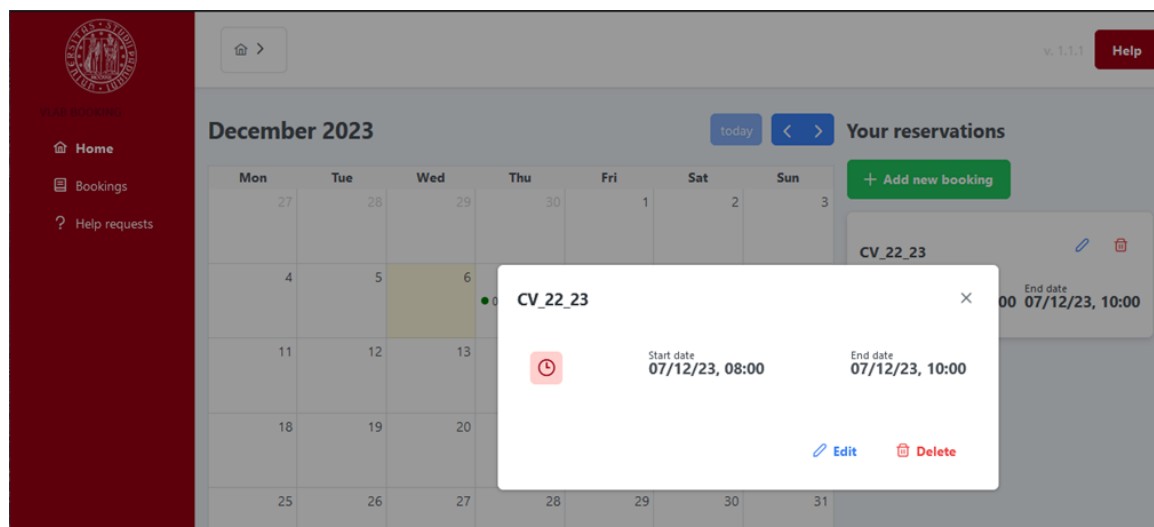
End date 07/12/23, 10:00

Edit

8. Now that you have made your reservation you can proceed with the [connection to the VLAB](#).

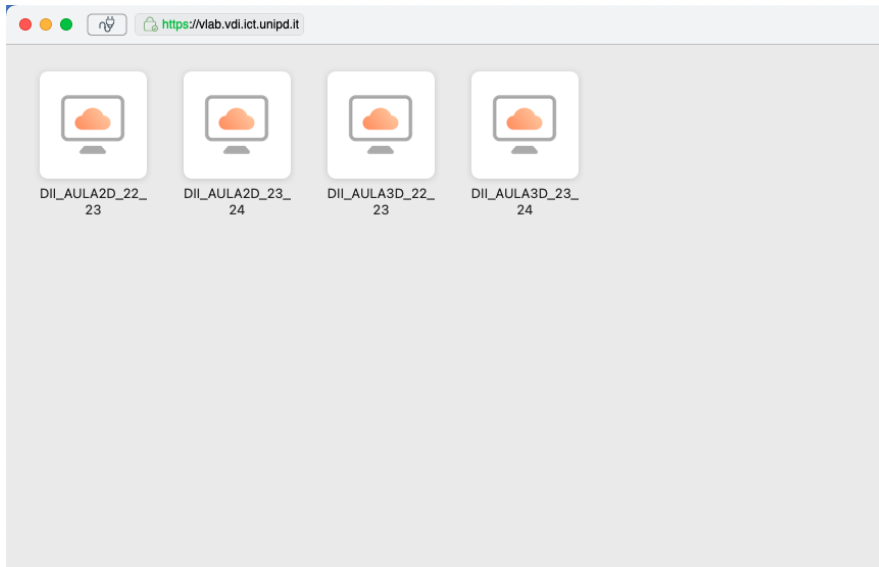
5. Cancel a reservation

If you no longer need the reservation, it is recommended that you delete it to free up the resource and make it available to other potential students. Deletion can be done in two ways: by clicking the trash icon in the **Your Reservations** pane, or by clicking the reservation directly in the calendar and then **Delete**.



6. Connecting to the virtual machine

Double click on the name of your VLab to access one of the available virtual machines;



A Windows or Linux virtual remote desktop appears: now you can start using the software required for your lab! When you are finished, please shutdown (or restart) the virtual machine. Please note that your personal data (e.g. desktop saved documents or other data saved in your user profile) will not be deleted; you can use up to 10 GB. You will find them next time you make another connection to the virtual machine.

Additional comments for virtual desktops with Windows:

- For some virtual machine with Windows, it might appear a message asking whether you want to allow the drive sharing. By clicking on “Allow”, you have access to a folder “Z”, useful to share files between the VM and your own compute.
- You can exchange files between the VM and your own pc, either:
 - a. by a single “drag & drop” between the two windows.
 - b. using the Z folder available under the icon “This pc” in the VM desktop.

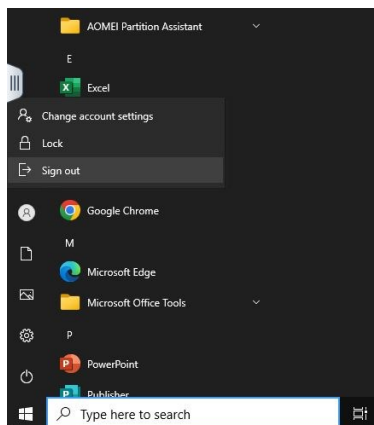
Additional comments for virtual desktops with Linux:

- You might be asked to login with your SSO account again.
- Please note that the default keyboard layout might not match your keyboard; for some installations, you might change the layout at login time by clicking on the top-right icon with the current layout (e.g. “US”).

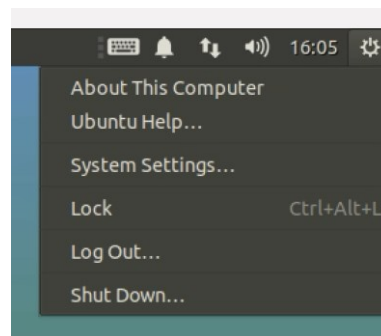
7. Disconnect from the virtual machine

If you no longer need the VM, disconnection is recommended to free up the resource and make it available to other potential students.

VLab with Windows



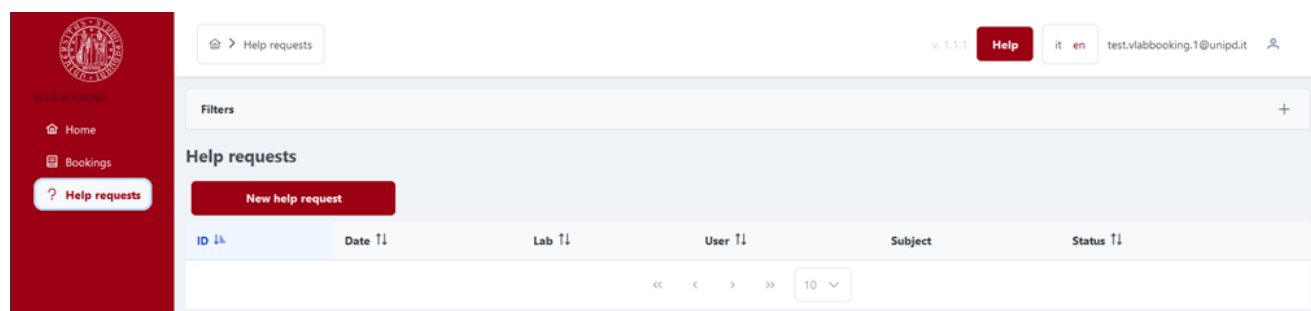
VLab with Linux



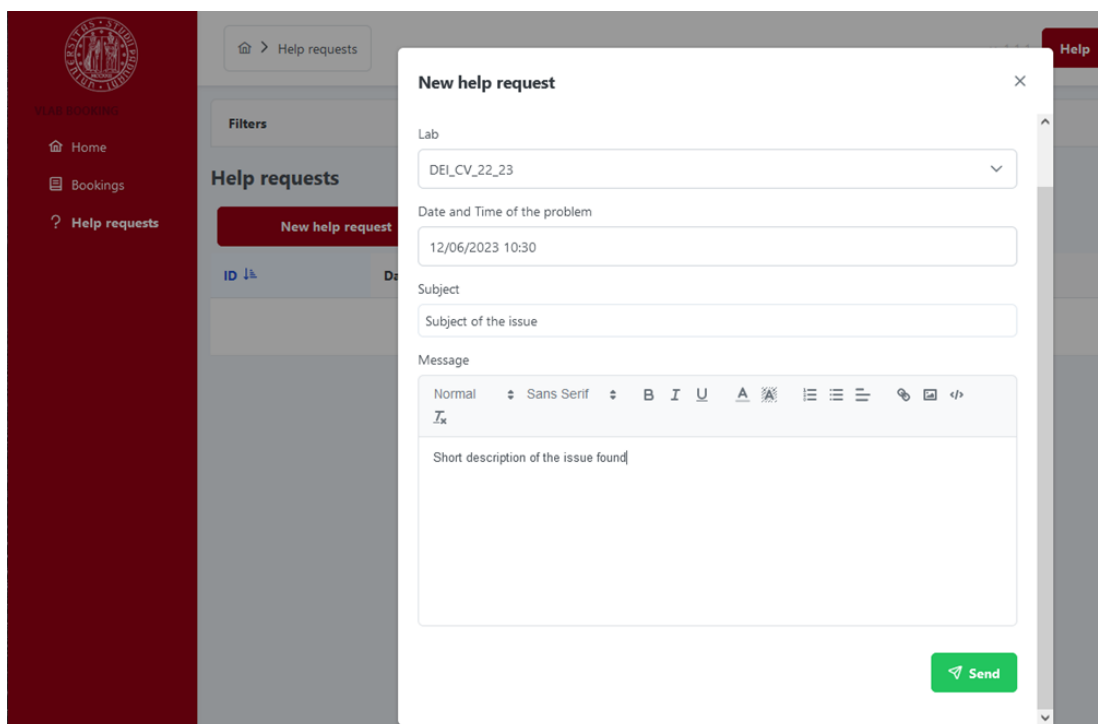
8. Support request

Note. This is the only procedure for making a support request.

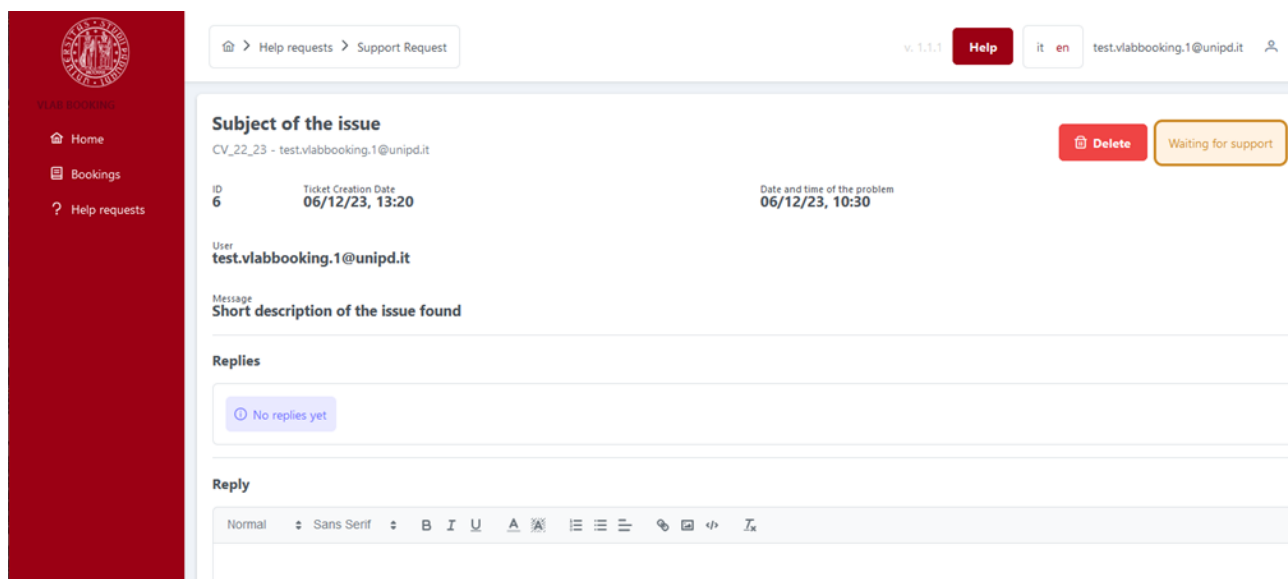
1. In the main page, click on **Support requests** in the menu on the left, or click on the red button **Support**.
2. In the support request page, click on the red button **New support request**.



3. A new box opens: fill in all the requested information. It is important that you fill in the **Laboratory** and **Problem date and time** fields to enable technicians to effectively address the problem. Click on **Submit** to complete the request.



4. After making the request you will see the details of the request, with evidence of the status it is in (in this case **Waiting for support**). The **Replies** field will display future responses from technical support: if necessary, the user can provide additional information using the **Reply** field. As long as a support request is not being considered by technicians, it is possible to delete it by pressing **Delete** (option not available after entering a replication or response).



Help requests > Support Request

v. 1.1.1 Help it en test.vlabbooking.1@unipd.it

Subject of the issue

CV_22_23 - test.vlabbooking.1@unipd.it

ID 6 Ticket Creation Date 06/12/23, 13:20 Date and time of the problem 06/12/23, 10:30

User test.vlabbooking.1@unipd.it

Message Short description of the issue found

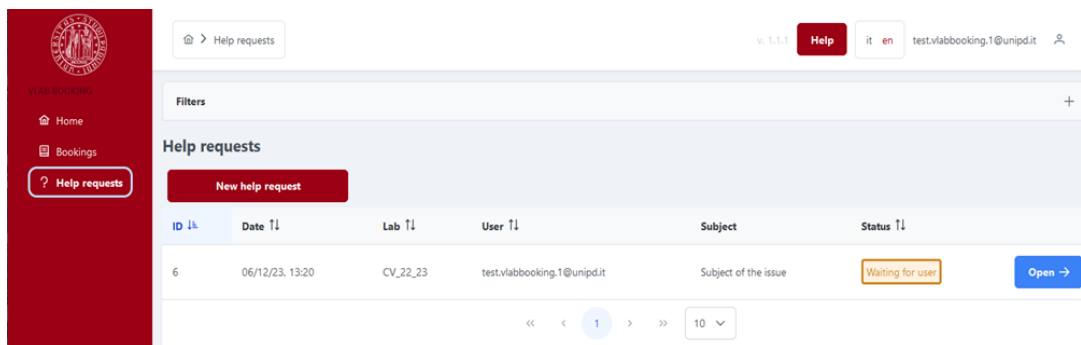
Replies

No replies yet

Reply

Normal Sans Serif B I U A [icon] [icon] [icon] [icon] [icon] [icon] [icon] [icon] [icon] [icon]

5. Replies by the technicians and updates will be notified via email. You also be able to see the status of the request at any time on the **Help Requests** page. Provide the requested information when the status is **Awaiting user response**.



Help requests

Filters +

Help requests

New help request

ID	Date	Lab	User	Subject	Status
6	06/12/23, 13:20	CV_22_23	test.vlabbooking.1@unipd.it	Subject of the issue	Waiting for user

Open →

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