

VLAB UNIPD

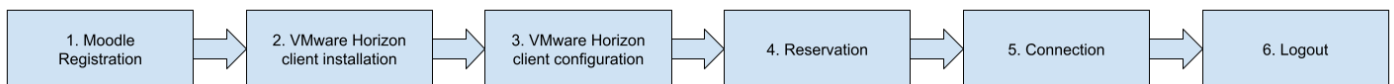
Summary

1. Registration in Moodle	2
2. Client Installation.....	3
3. VMware Horizon client configuration.....	4
4. Vlab booking	5
5. Cancel a reservation	7
6. Connecting to the virtual machine.....	8
7. Disconnect from the virtual machine	9
8. Support request	10

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 V Labs 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](#)
- School of Psychology: [VLAB Psicologia 2023-2024](#)

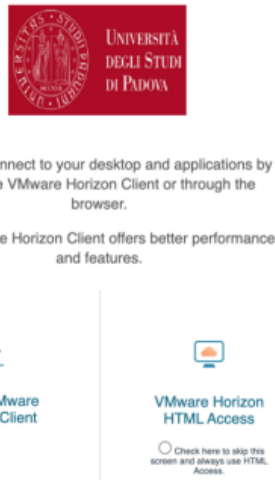
Within each website, there are instructions for taking the first steps. Only subsequently, it is possible to proceed with the installation, booking and subsequent use of the VLab.

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:

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

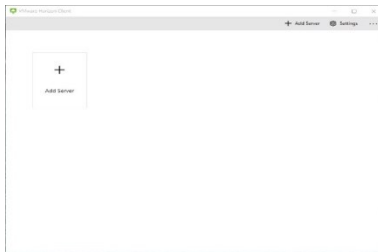
4. Select the latest version (this is the default choice) and click **Download** to start downloading the client.
5. When the download process finishes, install the **VMware Horizon client**. This process depends on your platform (Windows/Mac/Linux); if asked, accept the default values to finish the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

3. VMware Horizon client configuration

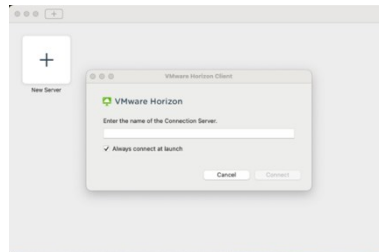
After the client is installed in your pc, **you have to configure the VMware Horizon Client** (if you already configured the client, skip this step):

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

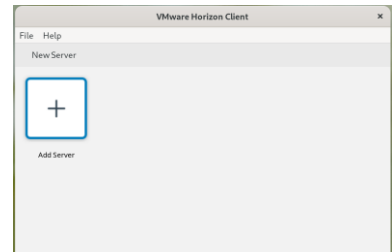
Windows



MacOS



Linux

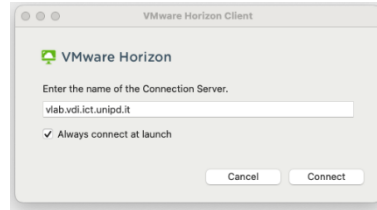


- c. Enter the name of the connection server ***vlab.vdi.ict.unipd.it*** then click **Connect**.

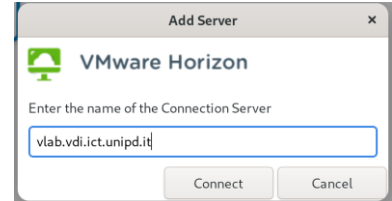
Windows



MacOS

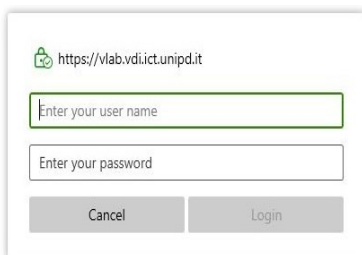


Linux

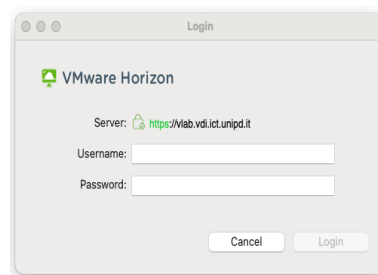


- d. Fill in the **Username** field with your institutional email address (@unipd or @studenti.unipd.it) and fill in the **Password** field with your email password and then click **Login**.

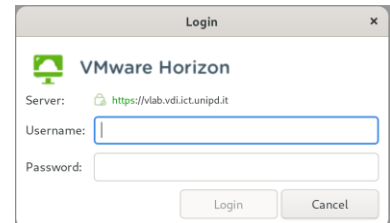
Windows



MacOS



Linux

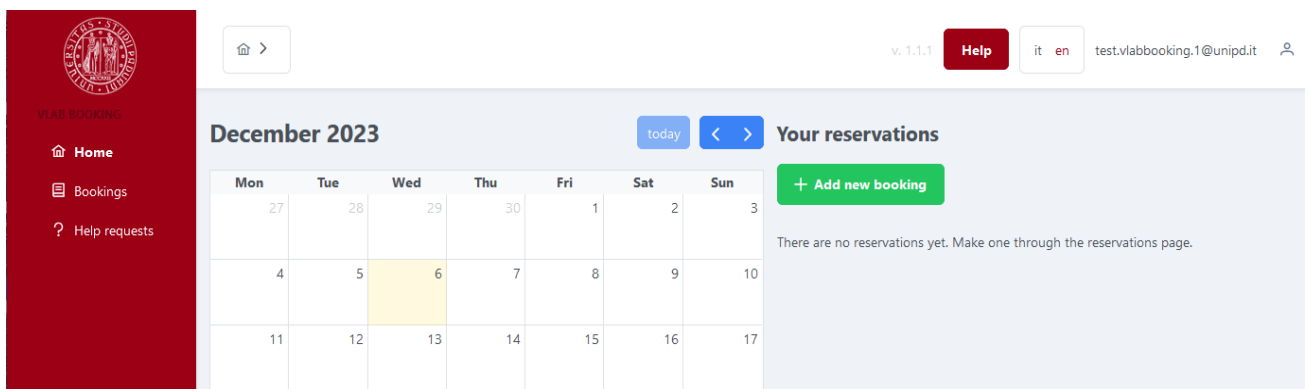


4. Vlab booking

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.

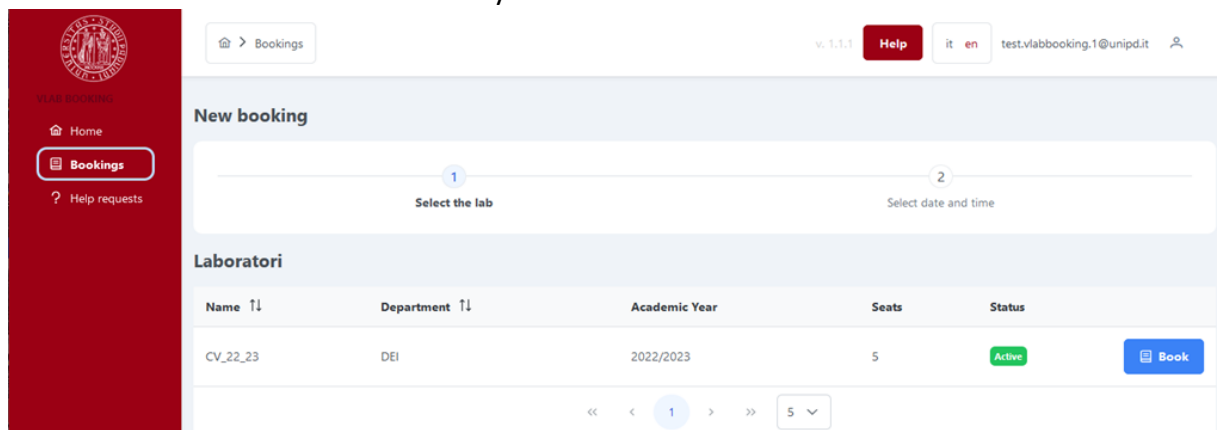
When students want to independently use the virtual laboratories (for example to carry out exercises at home), **they must make a reservation** using the following steps:

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.



The screenshot shows the 'vlabbooking' website interface. On the left is a dark red vertical menu with the university logo and options: Home, Bookings, and Help requests. The main content area features a calendar for December 2023. The calendar shows dates from 27 to 17. A green button '+ Add new booking' is visible. To the right of the calendar is a section titled 'Your reservations' which contains the text: 'There are no reservations yet. Make one through the reservations page.'

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.



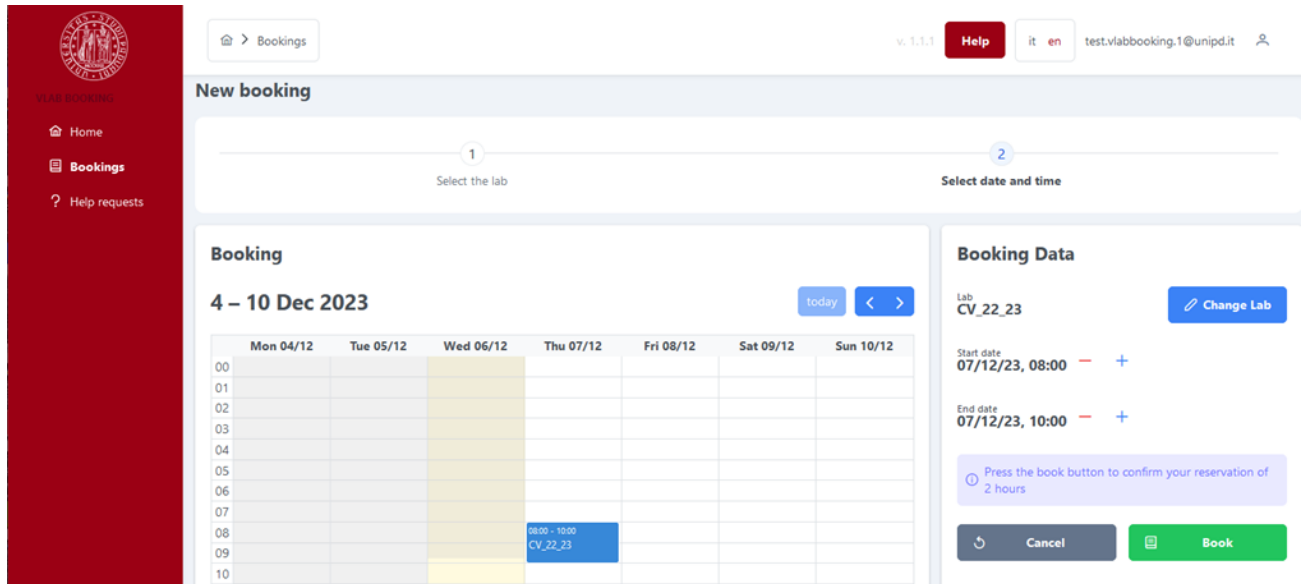
The screenshot shows the 'New booking' page. The left menu is the same as in the previous screenshot, but the 'Bookings' option is highlighted. The main content area has a title 'New booking' and two numbered steps: '1 Select the lab' and '2 Select date and time'. Below this is a table titled 'Laboratori' with the following data:

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

At the bottom of the table, there are navigation arrows and a dropdown menu showing '5'.

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.

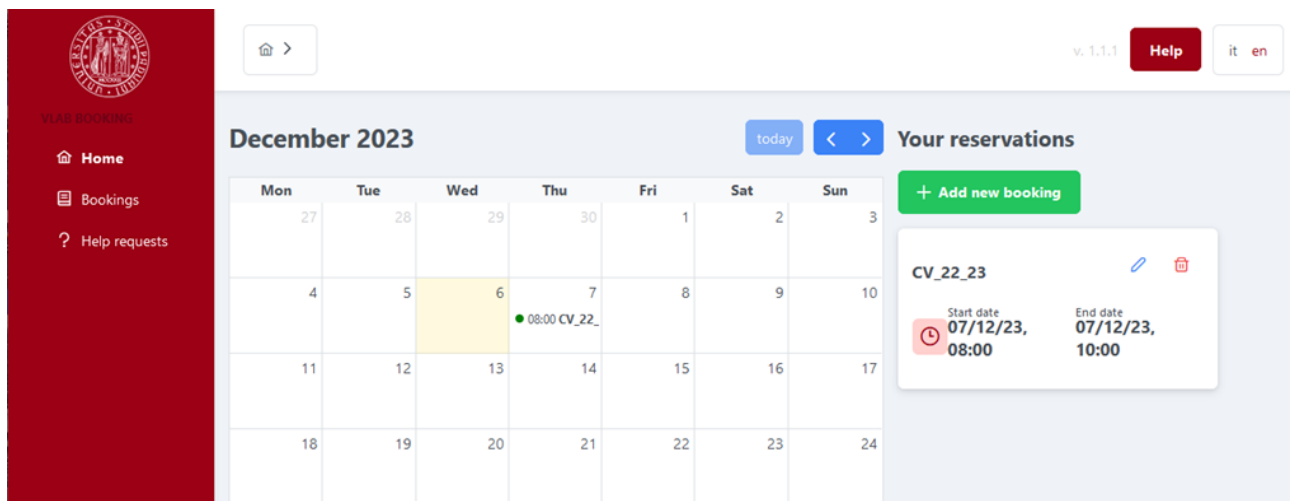
5. Press **Book** to confirm or **Cancel** to reset the reservation.



The screenshot shows the 'New booking' page. On the left is a red sidebar with the university logo and navigation links: Home, Bookings, and Help requests. The main content area has a breadcrumb 'Bookings' and version information 'v. 1.1.1 Help it en test.vlabbooking.1@unipd.it'. Below this is a 'New booking' section with two numbered steps: '1 Select the lab' and '2 Select date and time'. The 'Booking' section shows a calendar for '4 - 10 Dec 2023' with a reservation for '08:00 - 10:00 CV_22_23' on Thursday, Dec 7th. The 'Booking Data' panel on the right shows 'Lab CV_22_23' with a 'Change Lab' button, 'Start date 07/12/23, 08:00', and 'End date 07/12/23, 10:00'. A message says 'Press the book button to confirm your reservation of 2 hours'. At the bottom are 'Cancel' and 'Book' buttons.

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.

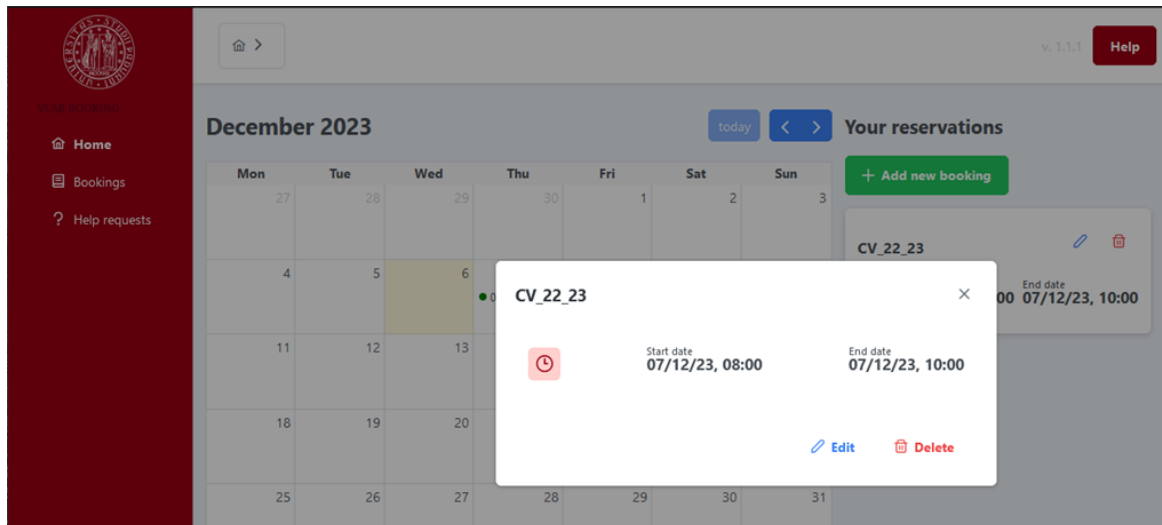


The screenshot shows the 'Your reservations' page. The sidebar is the same as in the previous screenshot. The main content area has a breadcrumb 'Bookings' and version information 'v. 1.1.1 Help it en'. Below this is a 'December 2023' section with a 'today' button and navigation arrows. The 'Your reservations' section shows a calendar for December 2023 with a reservation for '08:00 CV_22_23' on Thursday, Dec 7th. The 'Your reservations' panel on the right shows '+ Add new booking' button, 'CV_22_23' with edit and delete icons, 'Start date 07/12/23, 08:00', and 'End date 07/12/23, 10:00'.

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

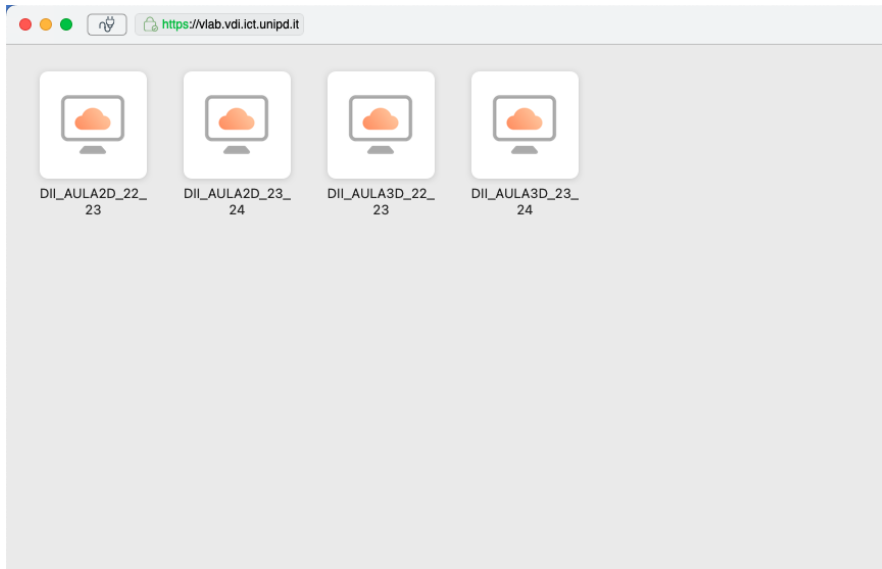
5. Cancel a reservation

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.

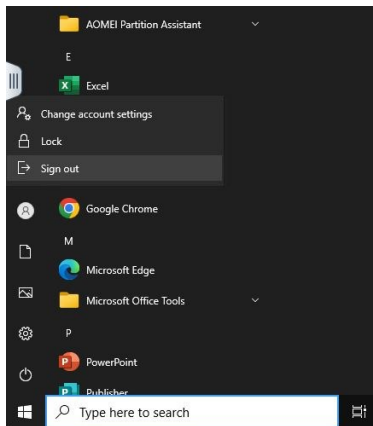
Additional comments for virtual desktops with Linux:

- 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”).

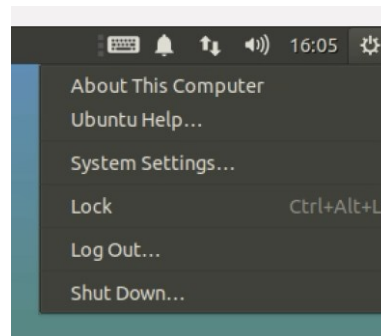
7. Disconnect from the virtual machine

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



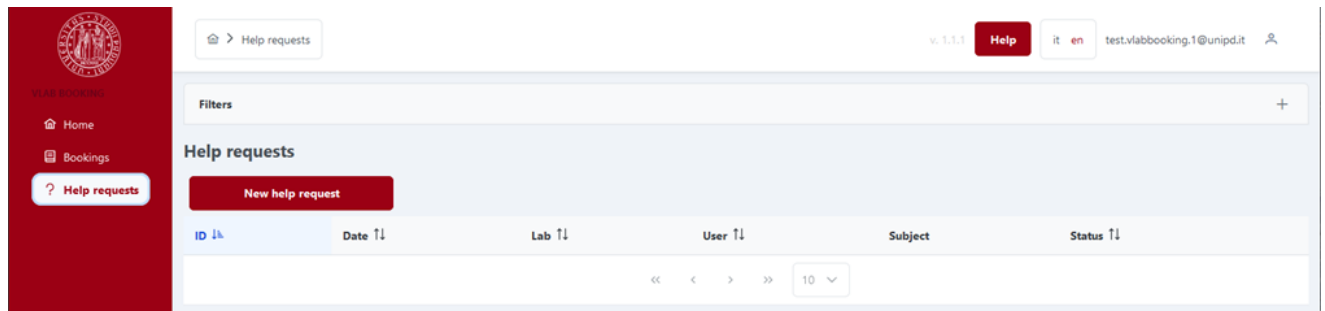
VLab with Linux



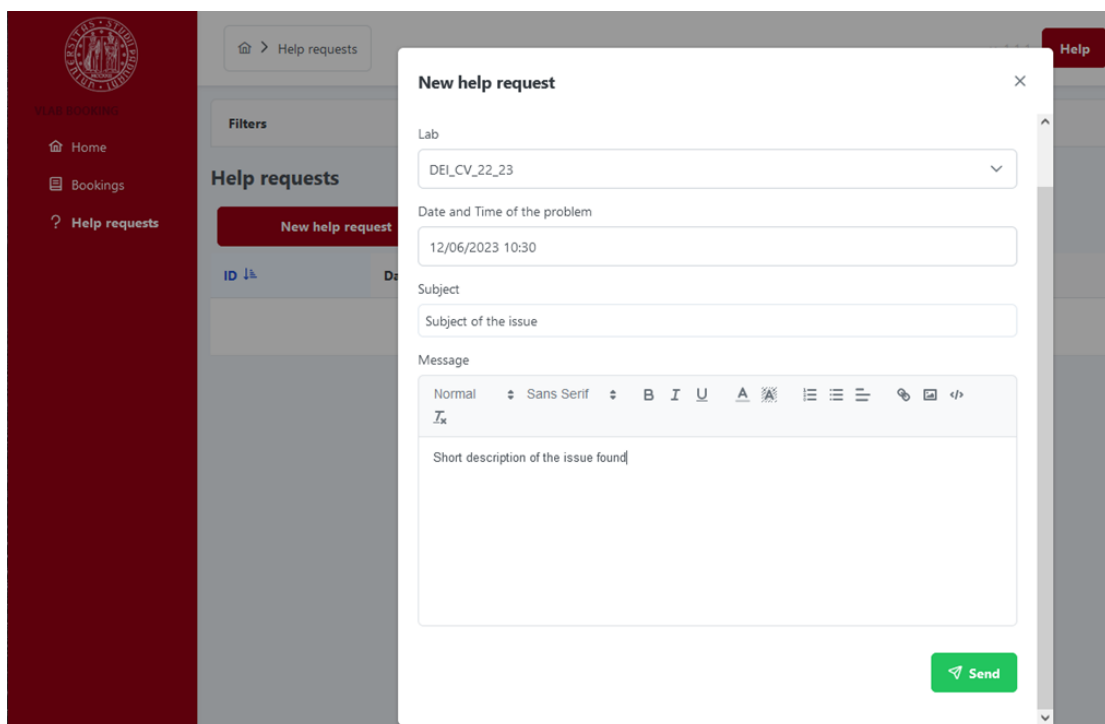
8. Support request

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

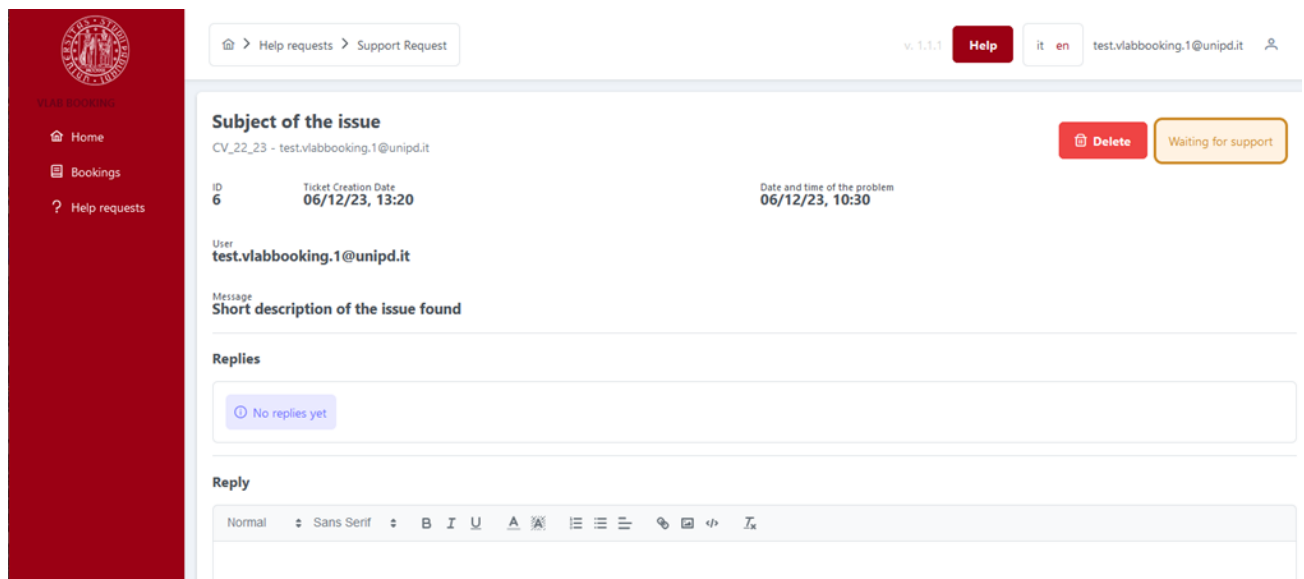
1. In the main page, click on **Support requests** in the menu on the left, or click on the red button **Support**.
2. In the support request page, click on the red button **New support request**.



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.



- 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).

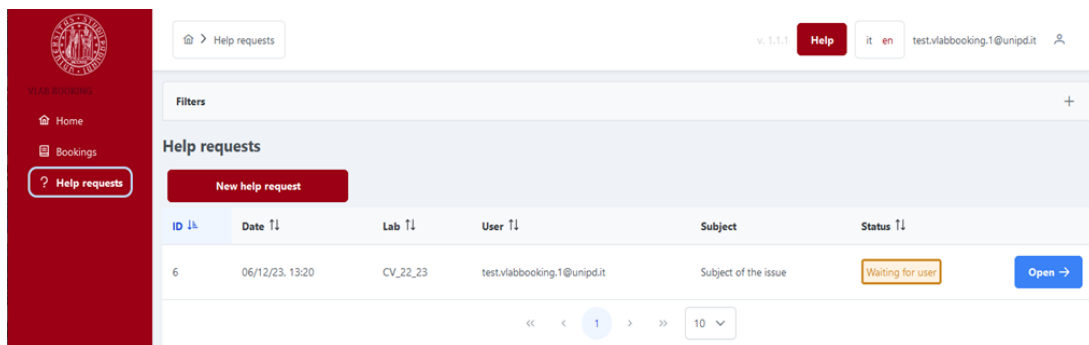


The screenshot shows a support request detail page. On the left is a red sidebar with navigation links: Home, Bookings, and Help requests. The main content area has a breadcrumb trail: Home > Help requests > Support Request. At the top right, there are links for 'Help', 'it en', and the user email 'test.vlabbooking.1@unipd.it'. The request details include:

- 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:** A rich text editor with a toolbar (Normal, Sans Serif, Bold, Italic, Underline, Text color, Background color, Bulleted list, Numbered list, Link, Unlink, Source code, Undo, Redo).

 Action buttons include 'Delete' and 'Waiting for support'.

- 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**.



The screenshot shows the 'Help requests' page. It features a sidebar with 'Help requests' highlighted. The main content area includes a 'Filters' section, a 'New help request' button, and a table of requests. The table has columns for ID, Date, Lab, User, Subject, and Status. A single request is listed with ID 6, Date 06/12/23, 13:20, Lab CV_22_23, User test.vlabbooking.1@unipd.it, Subject 'Subject of the issue', and Status 'Waiting for user'. An 'Open' button is next to the status. At the bottom, there is a pagination control showing page 1 of 10.

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