



# CloVER VTL Student's Guide



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# Introduction to the CloVER VTL Platform

CLOVER VTL is a SaaS product that offers cloud based virtual training labs seamlessly integrated into learning platforms. It enables learners and instructors to access virtual lab environments anywhere including virtual desktops and servers (Linux and Windows), Docker-based applications and virtual networks hosted by cloud infrastructures (OpenStack) and platforms (Kubernetes).

## Getting Started

### CloVER Gateway users

There are three types of users in CloVER: Administrator, Teacher and Student.

Administrator:

- Sets the Cloud platform parameters
- Creates users, images and groups
- Desktop monitoring
- Sets the LTI parameters

Teacher:

- Creates images
- Manages its course's groups
- Manages the desktops of its course's groups

Student:

- Manages its desktops

### Sign into CloVER

First sign into CloVER (as Student).



The image shows the CloVER login interface. At the top is the CloVER logo, which consists of a blue cloud icon with a network diagram inside, followed by the text 'CloVER'. Below the logo is a grey header bar with the text 'Sign into CloVER' in blue. Underneath the header is a light blue box with the text 'Please enter Username and Password fields.' Below this box are two input fields: the first has a person icon and the second has a lock icon. At the bottom right of the form is a blue 'Login' button with a white arrow icon.

# CloVER-VTL Student's Guide

Once a student is logged in, the following dashboard is displayed. A student can manage only its Desktops.

You can display and manage the list of Desktops (active and not yet active) for a given Unit.

The screenshot shows the CloVER-VTL Student Dashboard. The top header includes the CloVER logo, the user name "Student\_abc", and a "Logout" button. The left sidebar has a "Management" section with a "Desktops" dropdown and a "Desktop list" link. The main content area is titled "Desktop list" and includes a "Choose Unit" dropdown set to "TP2". Below this is a table with columns: "User login", "Username", "Image name", "IP address", "Status", and "Actions". The table contains one row with the following data: "user\_cbed8a26dd016", "Student\_abc", "tpjava", an empty IP address, and "not created". A "Create Desktop" button is visible in the bottom right corner of the table area. The status "not created" is highlighted with a tooltip.

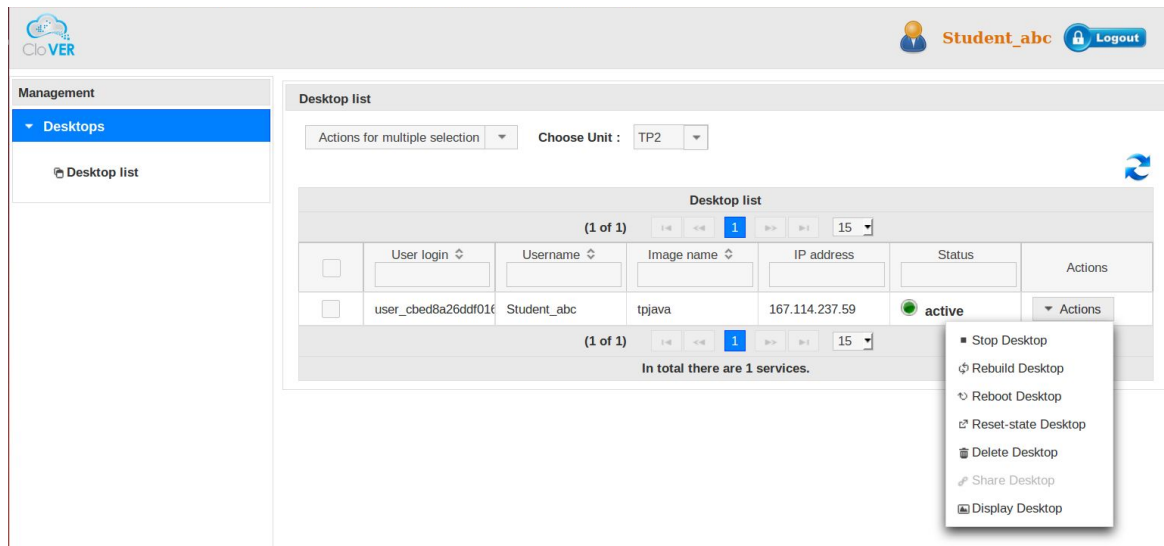
User login	Username	Image name	IP address	Status	Actions
user_cbed8a26dd016	Student_abc	tpjava		not created	Actions

You can delete a created Desktop or reset its state while its is not yet active.

The screenshot shows the CloVER-VTL Student Dashboard. The top header includes the CloVER logo, the user name "Student\_abc", and a "Logout" button. The left sidebar has a "Management" section with a "Desktops" dropdown and a "Desktop list" link. The main content area is titled "Desktop list" and includes a "Choose Unit" dropdown set to "TP2". Below this is a table with columns: "User login", "Username", "Image name", "IP address", "Status", and "Actions". The table contains one row with the following data: "user\_cbed8a26dd016", "Student\_abc", "tpjava", an empty IP address, and "building". A "Reset-state Desktop" button is visible in the bottom right corner of the table area. The status "building" is highlighted with a tooltip.

User login	Username	Image name	IP address	Status	Actions
user_cbed8a26dd016	Student_abc	tpjava		building	Actions

You can manage an active Desktop (stop, rebuild, reboot, reset-state, delete) or display it in a new window in order to work in.



The following figure shows an example of a window opened when you click **Display Desktop**. To go back to the CloVER interface, click **Home**.

