LABORANT V1 USER GUIDE

Laborant is a web application for teams to have total control of managing labs, here you can reserve labs, run command on labs and see versions of labs in the main screen. You can assign labs to users/teams.

Login screen

1.User Guide

Header

1. Admin Panel

That button only visible and only accessible if user has role admin. For the admin guide, look up to "2. Admin Guide" part of documentation.

2. Change Pass

Users can go to change password screen by clicking that button

3. Logout

Simply logout from web application.

Main Screen

After users are authenticated they will be redirected to that screen directly. This is the main and mostly only screen of the web application for users. Here you can see required information about labs such as host, version, owner of lab, reservation status.

Here, labs can be sorted by 3 columns, such as name, version, reservation by clicking the "Name", "Version", "Reservation" part of columns. Sorting is descending or ascending depending on click times. Also labs can be filtered by all columns except version. For the reservation filtering type "TRUE" for see just reserved labs.

Name▼	Host	Version	Owner	Reservation	Actions ▶
add	47.168.150.33	NC	admin | application	Reserved by admin until 02-03-23 15:09	
test1	asd1	NC		Available	
test10	111.111.111	NC	test | application platform	Available	
test11	222.222.222	NC	fatih	Available	
test12	333.333.333	NC		Available	
test13	444.444.444	NC		Available	
test2	asd2	NC		Available	
test3	asd3	NC	test | application	Available	
test4	asd4	NC		Available	
test5	asd5	NC	user | platform	Available	
test6	asd6	NC		Available	
test7	asd7	NC		Available	
test8	asd8	NC		Available	

Ascending by name column

Name ▲	Host	Version	Owner	Reservation	Actions ▶
test8	asd8	NC		Available	
test7	asd7	NC		Available	
test6	asd6	NC		Available	
test5	asd5	NC	user | platform	Available	
test4	asd4	NC		Available	
test3	asd3	NC	test | application	Available	
test2	asd2	NC		Available	
test13	444.444.444	NC		Available	
test12	333.333.333	NC		Available	
test11	222.222.222	NC	fatih	Available	
test10	111.111.111	NC	test | application platform	Available	
test1	asd1	NC		Available	
add	47.168.150.33	NC	admin | application	Reserved by admin until 02-03-23 15:09	

Descending by name column

4. Lab List

That button opens another page that is more informative about labs. Labs can be filtered in that page also. This is just informative screen, no actions can be done in that screen.
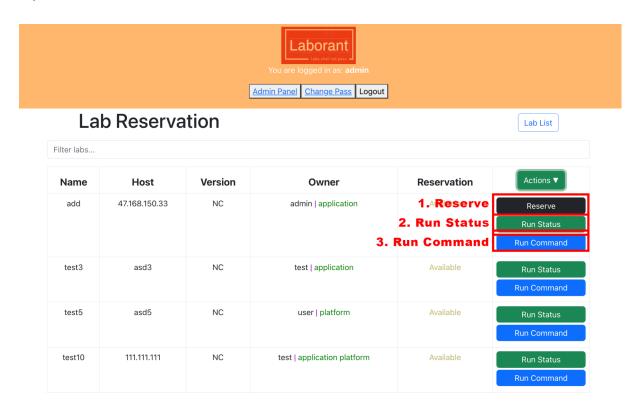
Laborant
Labs shall not pass

You are logged in as: **user**

Change Pass | Logout

Lab List

Filter labs...

Name	Username	Password	Host	Teams	Users
add	ntsysadm	hidden	47.168.150.33	application	admin
test3	testuser3	hidden	asd3	application	test
test5	testuser5	pass5	asd5	platform	user
test10	testuser1	hidden	111.111.111	application platform	test
test11	testuser2	hidden	222.222.222		fatih
test12	testuser3	hidden	333.333.333		
test13	testuser4	hidden	444.444.444		

Total Labs: 7
Platform Labs: 2
Application Labs: 3
Password is hidden for users who doesnt own the lab or admin.
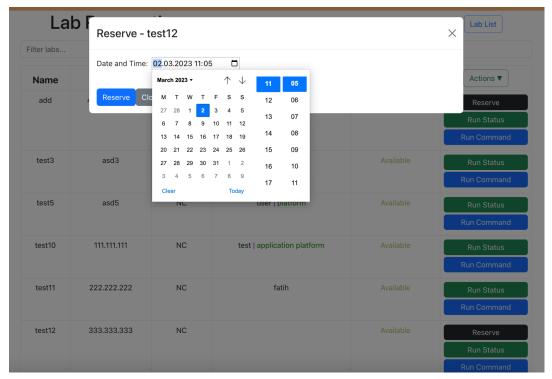
Lab List Screen

5. Actions

The main purpose of the application starts with that button. Clicking actions button will expand the buttons next to each lab for take action.

1. Reserve Button

That button is only available if user is owner of lab or no one owns the lab. Users can't reserve the lab if it belongs to someone else.

By clicking that button a popup screen shows up with date, time selection. Users can reserve after select a date, time.

After reservation, if user is reserving user, unreserve button will be visible.

If user is not reserving user there will be a "Get Email" button available and after clicking that button user will get an email whenever the corresponding lab will be free.
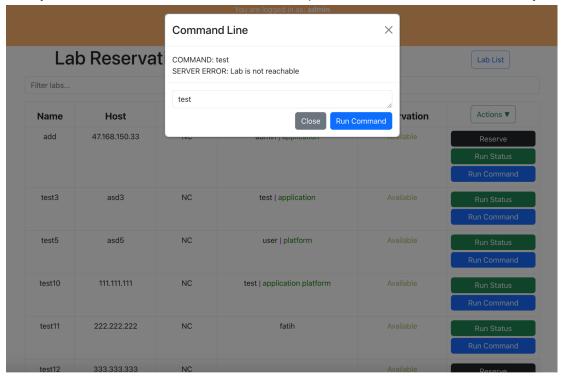

2. Run Status Button

That button opens a popup screen and connects to corresponding lab then gives the output of sudo wae-status command as table to the screen and gives an error if lab is not reachable.

3. Run Command Button

That button opens a popup screen basically for terminal purpose between lab.
Here you can send commands and see the responses from the server interactively.
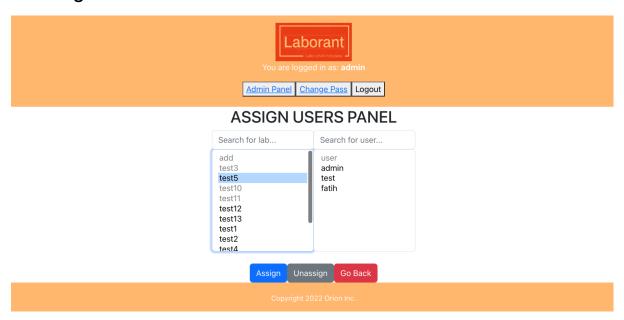
2. Admin Guide

In the admin panel, you can add user, add team, add lab (bulk add available), assign labs to users, assign labs to teams.

This is the main screen of admin panel, in the main panel lab list available for delete and edit purposes, also filtering available here too.

1. Assign Users Panel

You can filter labs/users for find easily, first in the left panel choose a lab then right panel opens for choosing the user to assign. Gray color labs/users means already
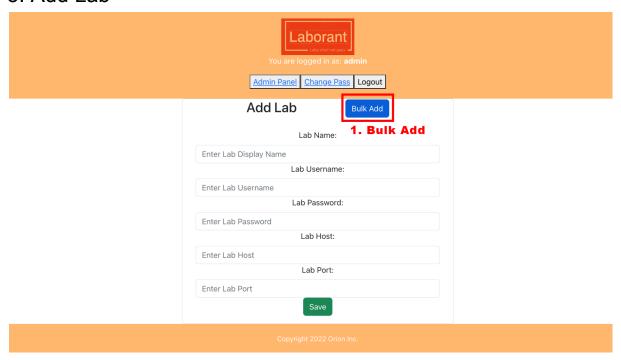
assigned. For example in the corresponding screenshot, test5 is gray (shows like black because clicked) and the user is assigned to that lab. Multiple assigning is not available, a lab only can be assigned to one user but one user can be assigned to multiple labs.
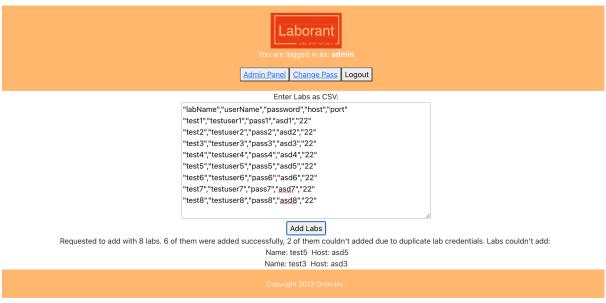
2. Assign Teams Panel

You can filter labs/teams for find easily, first in the left panel choose a lab then right panel opens for choosing a team to assign. Gray color labs/teams means already assigned. Gray color labs/teams means assigned but here multiple labs can be assigned to multiple teams and vice versa.

3. Add Lab

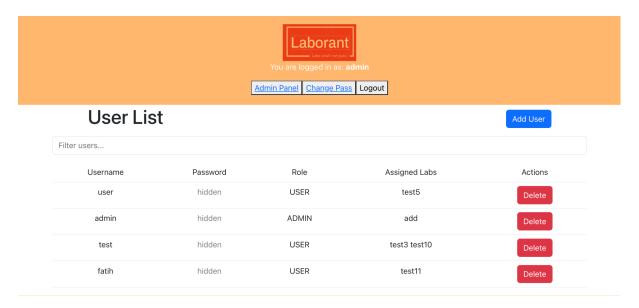In the add lab screen adding single and bulk adding available.

In the bulk adds screen labs must be entered as csv format with all its necessary fields.

Example csv format for lab credentials:

"labName","userName","password","host","port"
"test1","testuser1","pass1","asd1","22"

"test2","testuser2","pass2","asd2","22"
"test3","testuser3","pass3","asd3","22"

4. Users Panel

In the users panel adding single user and deleting available, also you can see which labs assigned to user.

5. Teams Panel

In the teams panel like users panel adding single team and deleting operations available, also you can see the assigned labs to teams.