How to use the GP4L Testbed?
User guide

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WP6T2

GP4L infoshare, virtual

10 February 2025

GN5-2

Agenda

- Short user manual on how to get access to the GP4L testbed
- Step by step instructions
- Policies, procedures, standardized practices

Who can use the GP4L testbed?

Any interested party from the R&E community can request a reservation of some or all of the available GP4L testbed resources

Access to GP4L devices in testbed

All devices are accessed via VPN and a Bastion machine

You request SSH access to the Bastion

- From there you can ssh to the devices

SSH access request = make a reservation request and get approval

Fair use policy

The GP4L testbed should be used fairly by all interested parties

To ensure that nobody will monopolise the use of the testbed

- each reservation is manually analysed, and
- if needed more information is requested from the user.

Only approved reservations get access to the GP4L testbed environment.

Current settings of the reservation system

- Minimum amount of time for a reservation is 1 hour
- Maximum reservation time is set to 90 days
- Multiple reservations can be made for longer periods

Step 1: Request a VPN profile

To obtain the VPN profile send an email to gp4l-admin@lists.geant.org

- Who are you are
- Where are you from (institution) and
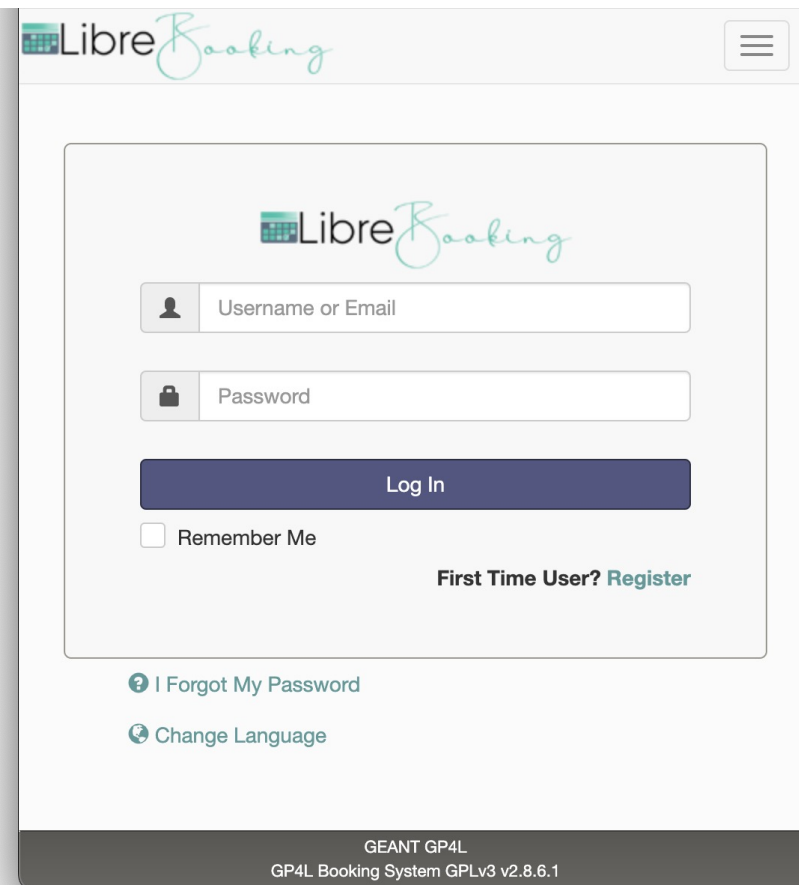- Why you would like to use GP4L

We will

- Process your request
- Create and send you a VPN profile for personal use
- Guide you through the process of
  - creating an NMaaS profile
  - testing your access to the reservation system

Step 2: Go to the Reservation System

Connect to the VPN

Go to https://book.gp4l.nmaas.eu/

Click Register

Step 3: Create a new user

Fill out the required fields

Put your SSH public key in the Bastion info field

Click Register

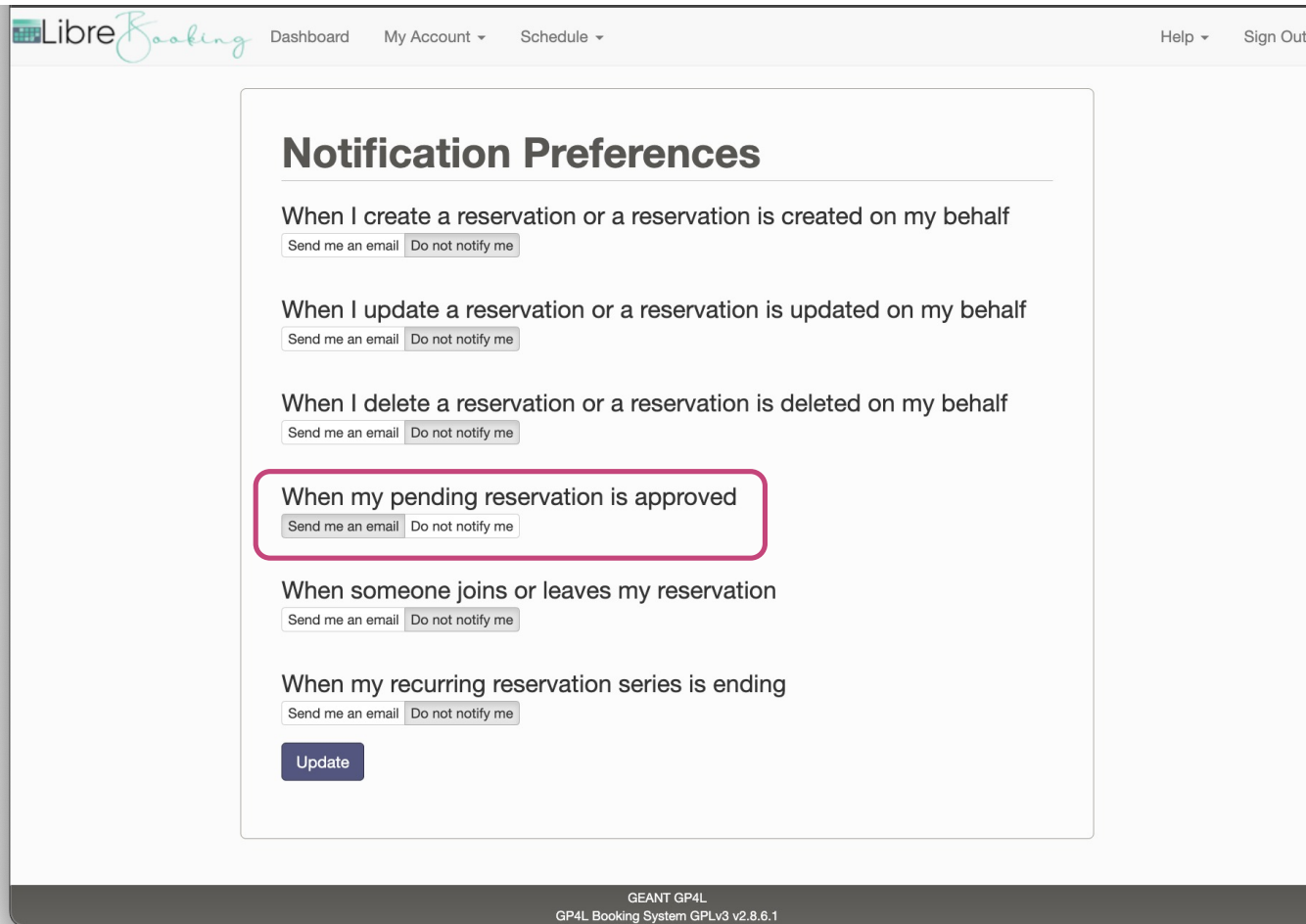we will be notified that a new user has been created

Register a New Account

Username
elysium ✔

Email
elysium.sf@gmail.com ✔

Password
•••••• ✔

Confirm Password
•••••• ✔

First Name
Sonja ✔

Last Name
Filiposka ✔

Default Homepage
Dashboard

Timezone
Europe/Berlin

Phone

Organization
Ss. Cyril and Methodiu ✔

Position
Prof ✔

bastion info
ssh-ed25519 AAAAC3I ✔

Register

GEANT GP4L
GP4L Booking System GPLv3 v2.8.6.1

Set notification preferences in My Account

Ready to make reservations

Step 4: Create a reservation

Click on reserve on one of the resources you would like to use

Choose start and end time

Click on Change/+ to change/add resources

• if a resource is unavailable in the given time period it will be grayed out

Provide a short title

Provide a short description of the experiment

Rest is optional

Click Create

Waiting on approval

The admin will be notified and review your request

Your request has been approved

- Your SSH public key will be sent to the Bastion at start of the approved reservation
- Will be active till end time of the reservation

Reservation created for AMS0001 Inbox

GP4L Booked <gp4l-book@nmaas.eu> 6:54 PM (0 minutes ago)
to me

Reservation Details:
Start: 02/08/2025 @ 7:00 PM (Europe/Berlin)
End: 02/08/2025 @ 8:00 PM (Europe/Berlin)
Title: short title of experiment
Description: short description of the experiment
Resources (3):
AMS0001
FRA0001
POZ0001
At least one of the resources reserved requires you to check in and out of your reservation. This reservation will be cancelled unless you check in within 10 minutes after the scheduled start time.
Created by: Admin Admin
Reference Number: 67a79a20d1ad8357904578
View this reservation | Add to Calendar | Add to Google Calendar | Log in to LibreBooking

One attachment · Scanned by Gmail

reservation.ics   Download

Upcoming Reservations 1

Today (1)				
short title of experiment	Sonja Filiposka	Sat, 2/08 2025 6:30 PM	Sat, 2/15 2025 12:00 AM	AMS0001, FRA0001, POZ0001
Tomorrow (0)				
Later This Week (0)				
Next Week (0)				

Take into account that

After your reservation is authorised you can still make a change to it if needed

- After every change of reservation you need to go through the authorisation process

Until reservation start time you are free to make changes to your ssh key stored in your profile on the reservation system

- Make sure that the correct value is provided as the key provides the access to the testbed

If a resource that you have reserved becomes unavailable due to unforeseen reasons you will be notified via email

- You can then choose to make changes to your reservation or leave it as it is

Resource status change notification

Reserving partner resources

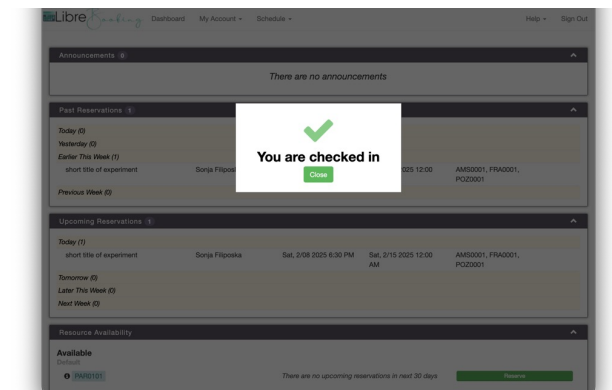To get access to resources from other partners use the Other resource

- allows concurrent reservations

Used to keep track of usage of partner resources

Step 5: Connect to Bastion

- When reservation time arrives
    1. Activate your VPN
    2. Check-in on the reservation system
        - If you don't check-in within 10 mins the reservation will auto delete
    3. ssh to the Bastion (bastion.gp4l.nmaas.eu)
        - SSH: netops@192.168.125.194 (port: 22)
        - use the ssh key that you have provided in the reservation system
- You now have access to the GP4L devices

If you are done earlier than anticipated, Check-Out

In this way the resources are released for use by others as per the fair use policy

| short title of experiment | Sonja Filiposka | Sat, 2/08 2025 6:30 PM | Sat, 2/15 2025 12:00 AM | AMS0001, FRA0001, POZ0001 | Check Out |

Support

If you experience any problems or need help please contact us at gp4l-admin@lists.geant.org

We'll respond as soon as possible

Thank You

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