

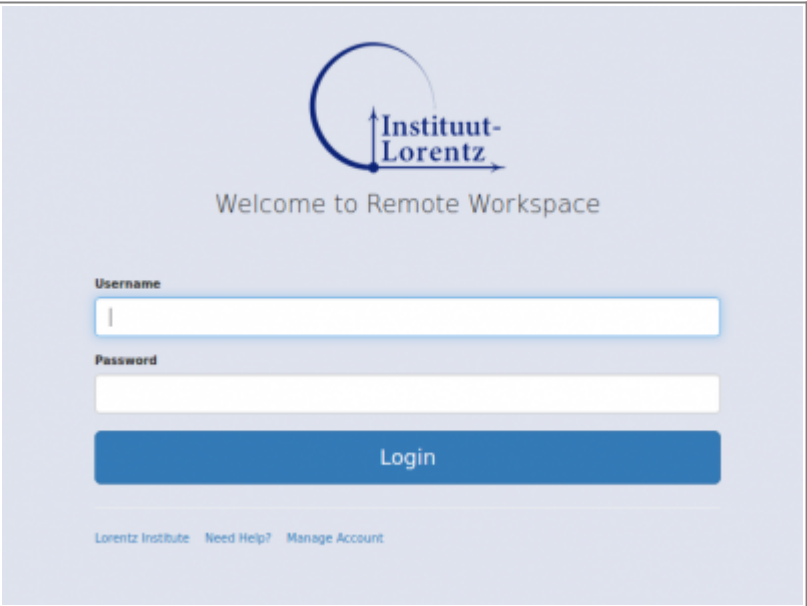
Remote Workspace

The Lorentz Institute provides all of its users with access to a virtual workspace which emulates the Institute physical workstations and their custom software setup by means of only a web browser without the installation of plugins or extra software. The immediate advantages to the users are

Access to the Lorentz Institute workstation setup from the comfort of your laptop, wherever you are, and without VPN or SSH tunnels
Access to your documents/files at the Lorentz Institute from a web browser window without installing extra software
Access to intranet services as you were physically located in your office

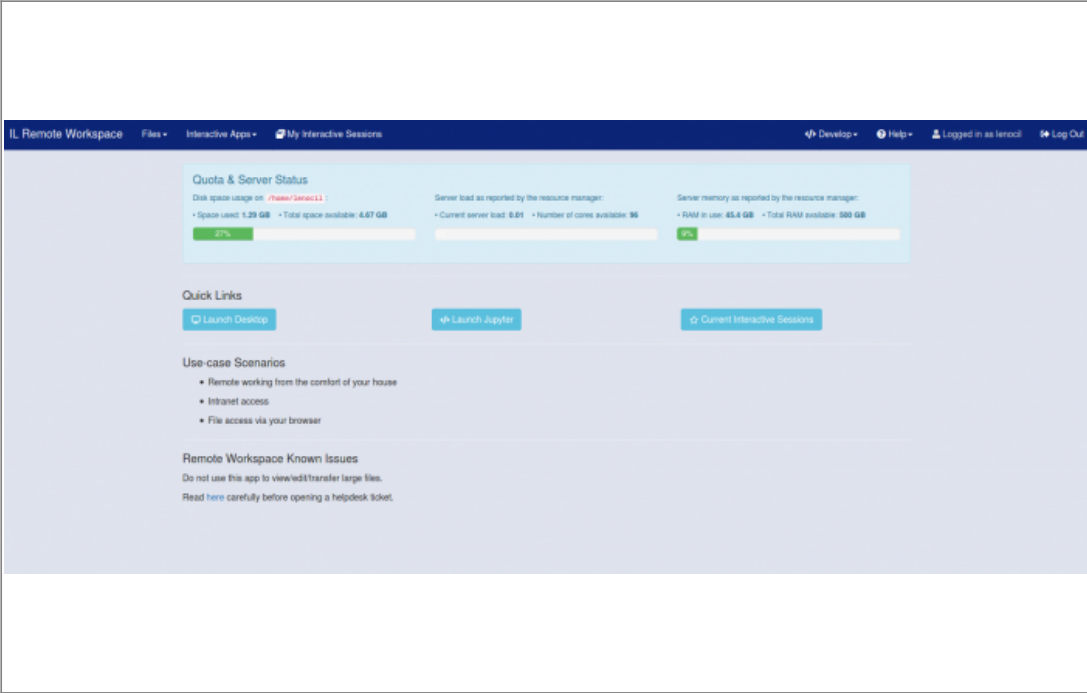
On this page you will find a short guide to get you started using IL Remote Workspace. The impatient can see these [example videos](#) (*accessible via intranet*).

Login to Remote Workspace

Browse to https://remote.lorentz.leidenuniv.nl <i>Any modern browser would do, but Firefox and Chrome are advised</i>	
Access by using your Lorentz Institute credentials <i>Your username is the part preceding the @ symbol</i>	
Several failed login attempts will cause your IP to be banned <i>To unblock your IP address contact the helpdesk</i>	
The only bookmark that will work is https://remote.lorentz.leidenuniv.nl <i>Other bookmarks will cause login errors</i>	

Using Remote Workspace

Dashboard



The screenshot shows the 'IL Remote Workspace' dashboard. At the top, there's a navigation bar with 'Files', 'Interactive Apps', and 'My Interactive Sessions'. The main content area is divided into sections: 'Quota & Server Status' with three progress bars for disk space (37% used), server load (0.01), and server memory (9% used); 'Quick Links' with buttons for 'Launch Desktop', 'Launch Jupyter', and 'Current Interactive Sessions'; 'Use-case Scenarios' listing remote working, intranet access, and file access; and 'Remote Workspace Known Issues' with a warning not to use the app for large files.

Start/monitor/manage your remote sessions via the Dashboard

View/edit/create/transfer files

The system GUI cannot handle large files (max 1GB is advised)

Quota information and server status

Do not ignore quota warnings, because many applications rely on free home space to work correctly

The server should be able to handle up to 20 concurrent remote sessions

Each interactive session allocates 4 CPUs and 16 GB RAM to a user

A user can only request 1 session per time

Interactive Apps

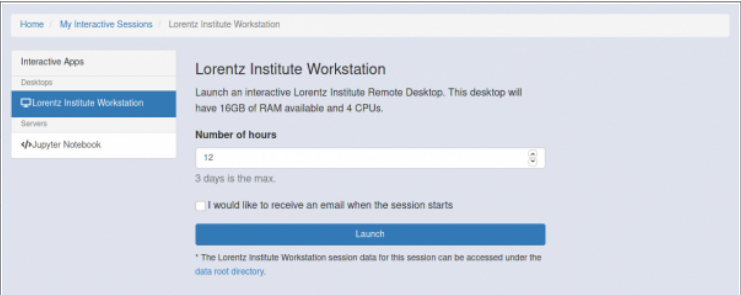
Access Interactive Apps via the toolbar Interactive Apps menu or via the Quick links buttons in the Dashboard. Choices are - Lorentz Institute Workstation - Jupyter Notebook

Workstations are preconfigured with several softwares

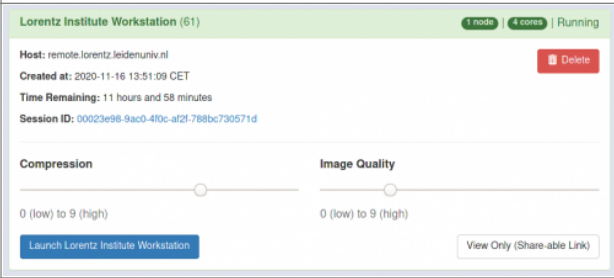
An interactive desktop or notebook (session) can last a max of 72 hours

Past that mark, it will be terminated

Connectons to an unterminated (active) session is always possible even after logging out by clicking on My Interactive sessions toolbar menu



The screenshot shows the 'Lorentz Institute Workstation' launch page. It includes a 'Launch' button and a 'Number of hours' dropdown set to 12. A note at the bottom states: 'The Lorentz Institute Workstation session data for this session can be accessed under the data root directory.'



The screenshot shows an active session for 'Lorentz Institute Workstation (61)'. It displays session details like 'Host: remote.lorentz.leidenuniv.nl', 'Created at: 2020-11-16 13:51:09 CET', and 'Time Remaining: 11 hours and 58 minutes'. There are sliders for 'Compression' and 'Image Quality' and a 'Delete' button.

An interactive session tab reports

- session remaining time
- allocated resources
- link to debugging files

The Session ID button will open a file browser to the session files

Tune VNC compression and image quality for better experience

Active sessions can be terminated by clicking on the DeLeTe button

Really use a remote workstation as you wish

Launch a terminal

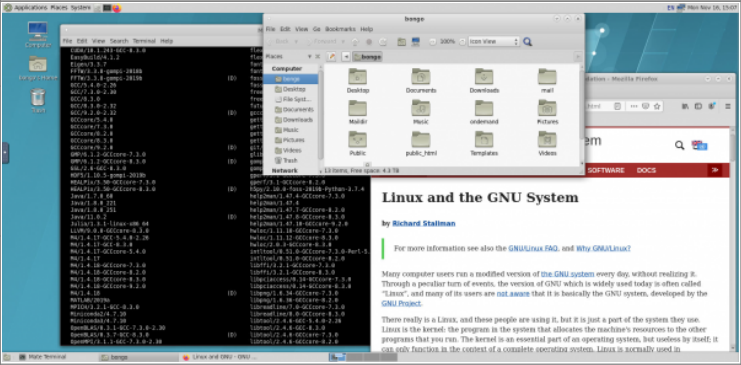
start a screen session within the terminal

Note though that any process associated to your session will be terminated if the session is killed

Launch a browser

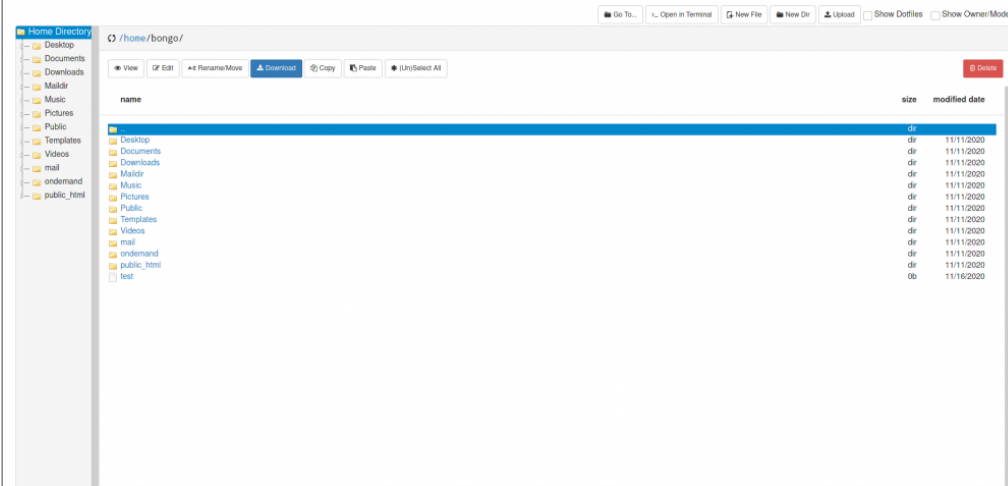
browse to IL subscribed journal sites,

browse the intranet



The screenshot shows a terminal window with system information. It lists various system details like 'uname -a', 'cat /etc/passwd', and 'cat /etc/shadow'. A file browser window is also visible in the background.

Files



Access your files by clicking on the Files dropdown menu on the toolbar
Different users have access to different file locations

Seamlessly manage files stored on the IL disks
Transfer files from/to your laptop using the browser
No extra software or browser plugins needed

The GUI does not to work well with large files (max 1GB)
Transfer large files from/to using your favorite sftp client to `ssh.lorentz.leidenuniv.nl`

From:
<https://helpdesk.lorentz.leidenuniv.nl/wiki/> - **Computer Documentation Wiki**

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https://helpdesk.lorentz.leidenuniv.nl/wiki/doku.php?id=institute_lorentz:remote_workspace&rev=1605690648

Last update: **2020/11/18 09:10**

