

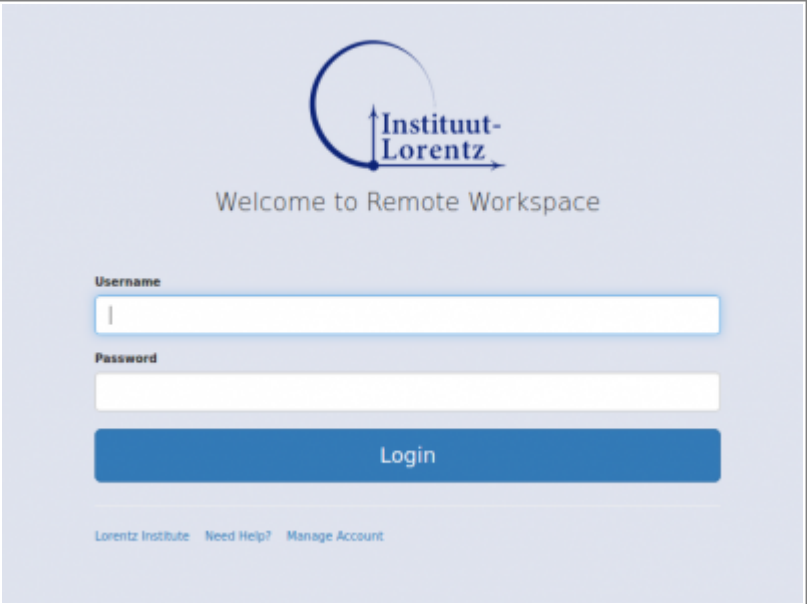
Remote Workspace

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

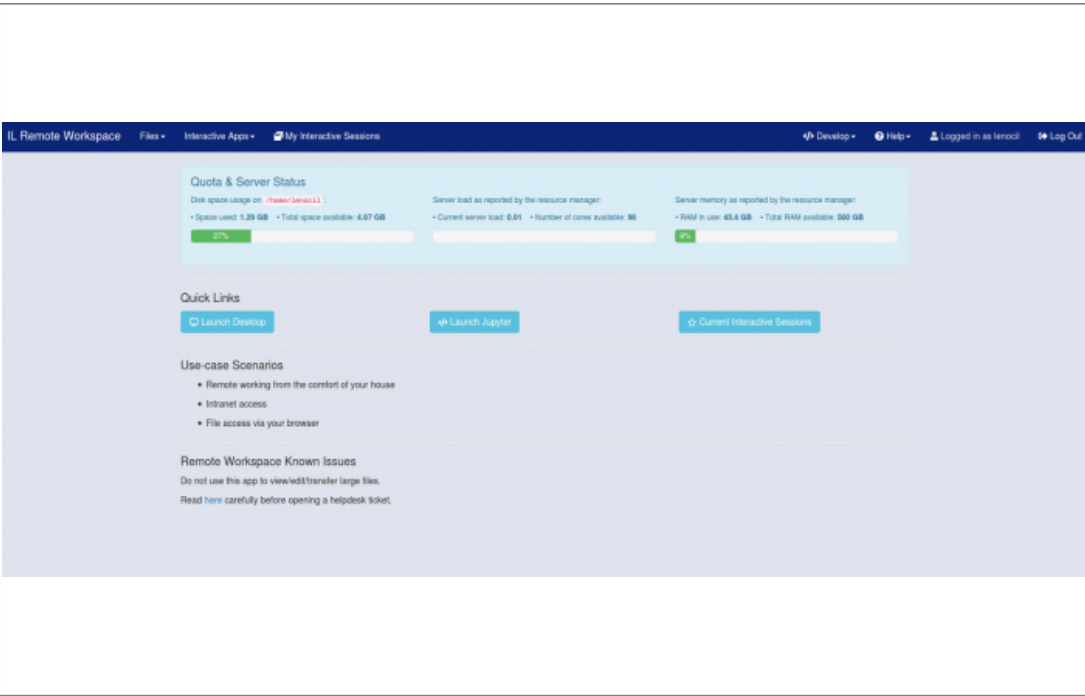
On this page you will find a short guide to get you started using IL Remote Workspace. The impatient can see these [example videos](#) (*accessible via intranet*).

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 <u>only</u> 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'. Below this, a 'Quota & Server Status' section displays three progress bars: 'Disk space usage on /home/serac1.1' (37% used, 6.87 GB available), 'Server load as reported by the resource manager' (Current server load: 0.01, Number of cores available: 96), and 'Server memory as reported by the resource manager' (RAM in use: 45.4 GB, Total RAM available: 500 GB). A 'Quick Links' section contains buttons for 'Launch Desktop', 'Launch Jupyter', and 'Current Interactive Sessions'. Below that, 'Use-case Scenarios' lists remote working, intranet access, and file access. A 'Remote Workspace Known Issues' section advises not to use the app for large files and provides a link to a helpdesk ticket.

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

Files

Access your files by clicking on the Files dropdown menu on the toolbar

Different users have access to different file locations

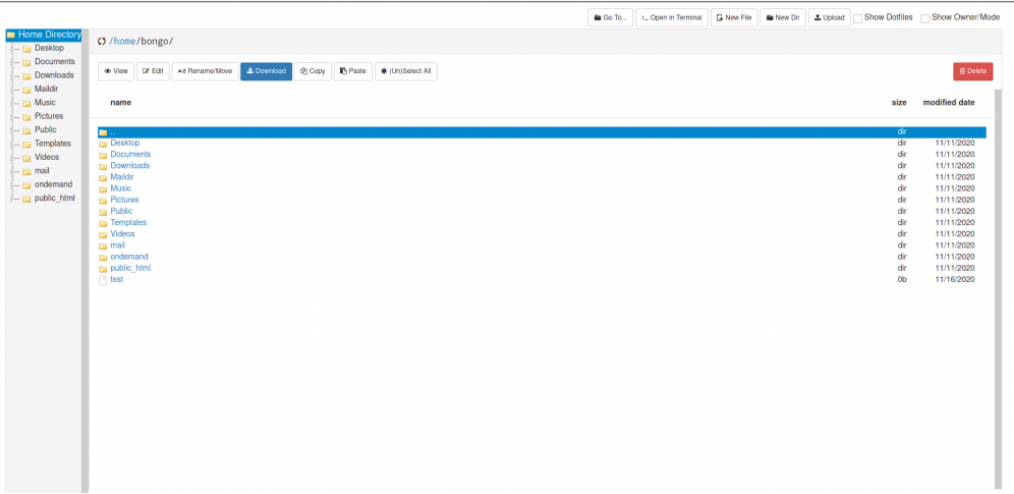
Seamlessly manage files stored on the IL disks

Transfer files from/to your laptop using the browser

No extra software or browser plugins needed

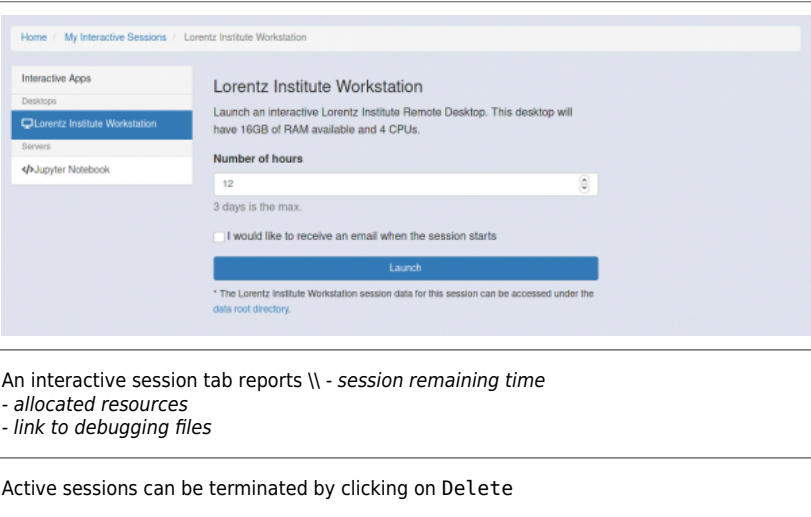
The GUI does not to work well with large files (max 1GB)

Transfer large files from/to using your favorite sftp client to `ssh.lorentz.leidenuniv.nl`



The screenshot shows a file browser interface for the '/home/bongo/' directory. On the left, a 'Home Directory' sidebar lists various folders like Desktop, Documents, Downloads, Maildir, Music, Pictures, Public, Templates, Videos, mail, ondemand, public_html, and test. The main area displays a table of files and directories with columns for 'name', 'size', and 'modified date'. The 'Desktop' directory is highlighted at the top of the list.

Interactive Apps



The screenshot shows the 'Interactive Apps' menu. Under the 'Desktops' section, 'Lorentz Institute Workstation' is selected. The description states: 'Launch an interactive Lorentz Institute Remote Desktop. This desktop will have 16GB of RAM available and 4 CPUs.' Below this, there's a 'Number of hours' field set to '12' (with a note '3 days is the max.') and a checkbox for 'I would like to receive an email when the session starts'. A 'Launch' button is at the bottom. A footnote mentions that session data can be accessed under the data root directory.

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

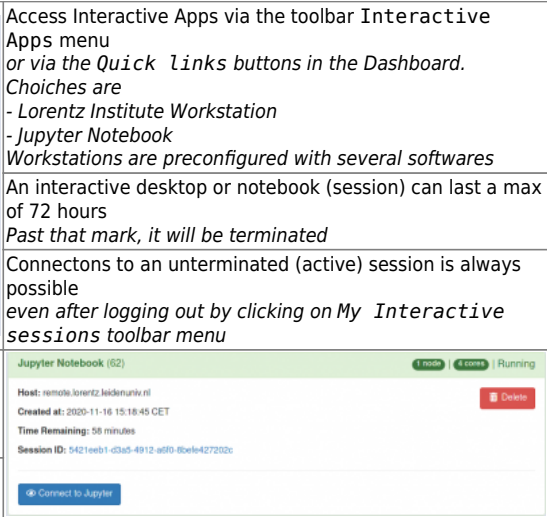
Past that mark, it will be terminated

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

An interactive session tab reports \ - session remaining time

- allocated resources
- link to debugging files

Active sessions can be terminated by clicking on DeLete



The screenshot shows the details of a 'Jupyter Notebook (52)' session. It indicates '1 node', '4 cores', and 'Running' status. The host is 'remote.lorentz.leidenuniv.nl'. It shows the creation time as '2020-11-16 15:18:45 CET' and 'Time Remaining: 58 minutes'. The session ID is '5421e6b1-63a5-4912-a699-8b6fe427252c'. A 'Delete' button is visible. At the bottom, there's a 'Connect to Jupyter' button.

From:

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

Permanent link:

https://helpdesk.physics.leidenuniv.nl/wiki/doku.php?id=institute_lorentz:remote_workspace&rev=1605689519

Last update: **2020/11/18 08:51**

