

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*).

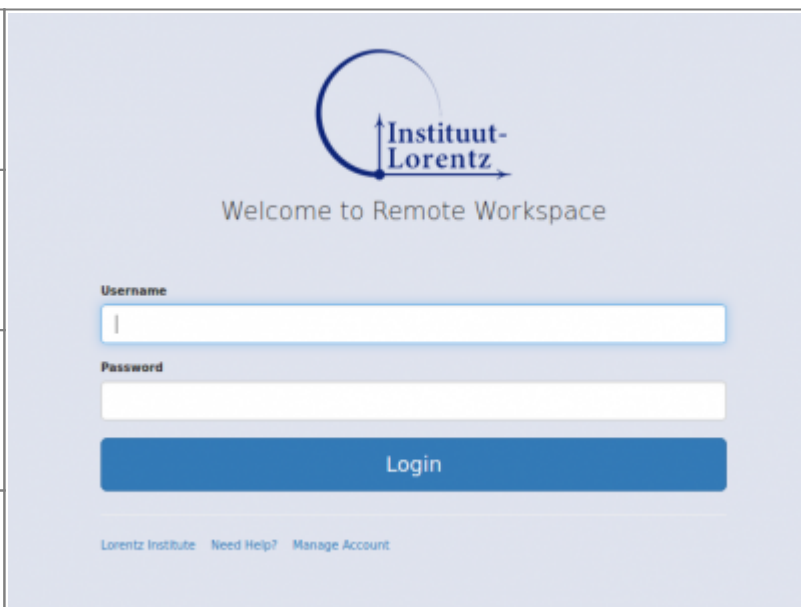
Login to Remote Workspace

Browse to https://remote.lorentz.leidenuniv.nl <i>Any modern browser would do, but Firefox and Chrome are advised</i>
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Access by using your Lorentz Institute credentials <i>Your username is the part preceding the @ symbol</i>

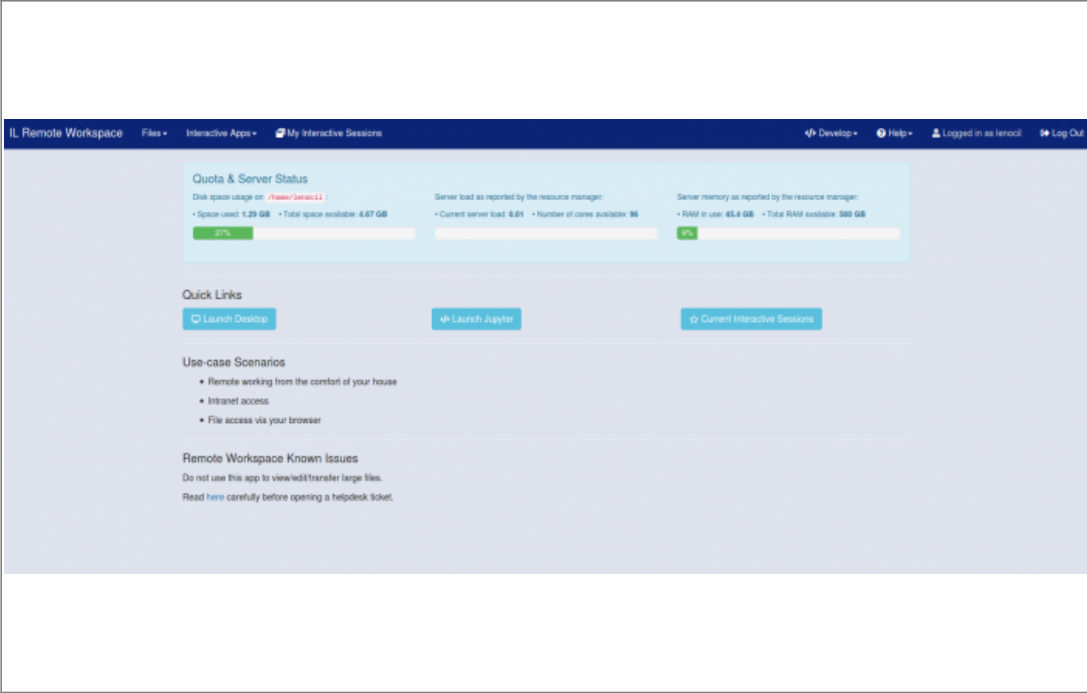
Several failed login attempts will cause your IP to be banned <i>To unblock your IP address contact the helpdesk</i>

The <u>only</u> bookmark that will work is https://remote.lorentz.leidenuniv.nl <i>Other bookmarks will cause login errors</i>
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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 /rhass/lenax1.1' (27% used, 4.67 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. At the bottom, 'Remote Workspace Known Issues' advises not to use the app for viewing/transferring 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

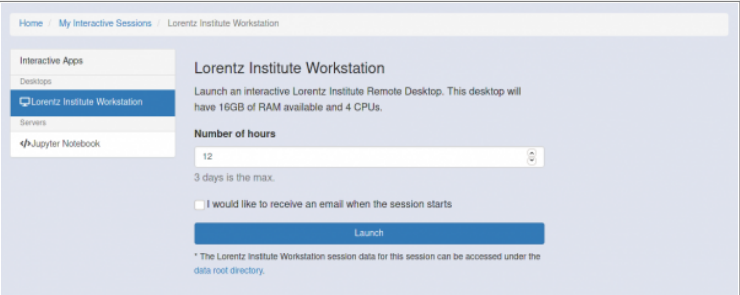
A user can only request 1 session per time

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 has a sidebar with 'Interactive Apps' (Desktops, Servers) and 'Jupyter Notebook'. The main area shows 'Lorentz Institute Workstation' with a description: 'Launch an interactive Lorentz Institute Remote Desktop. This desktop will have 16GB of RAM available and 4 CPUs.' There's a 'Number of hours' dropdown set to 12, a checkbox for email notifications, and a 'Launch' button. A note at the bottom states: '* The Lorentz Institute Workstation session data for this session can be accessed under the data root directory.'

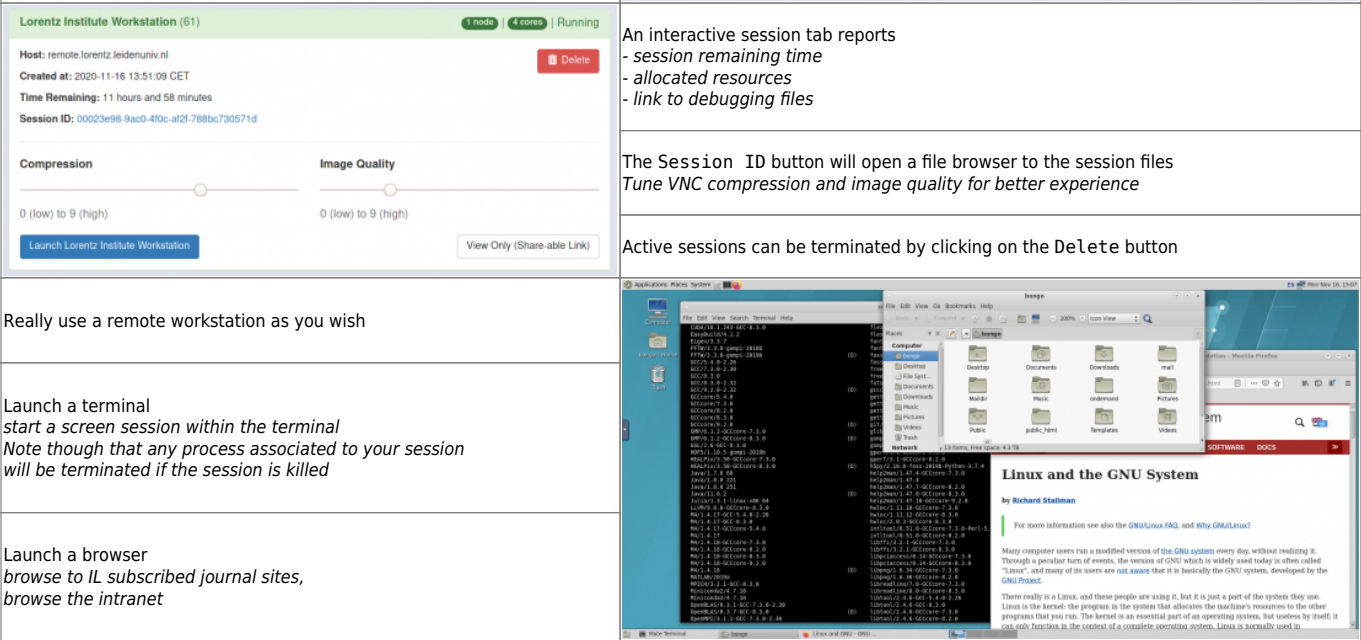
An interactive session tab reports

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

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

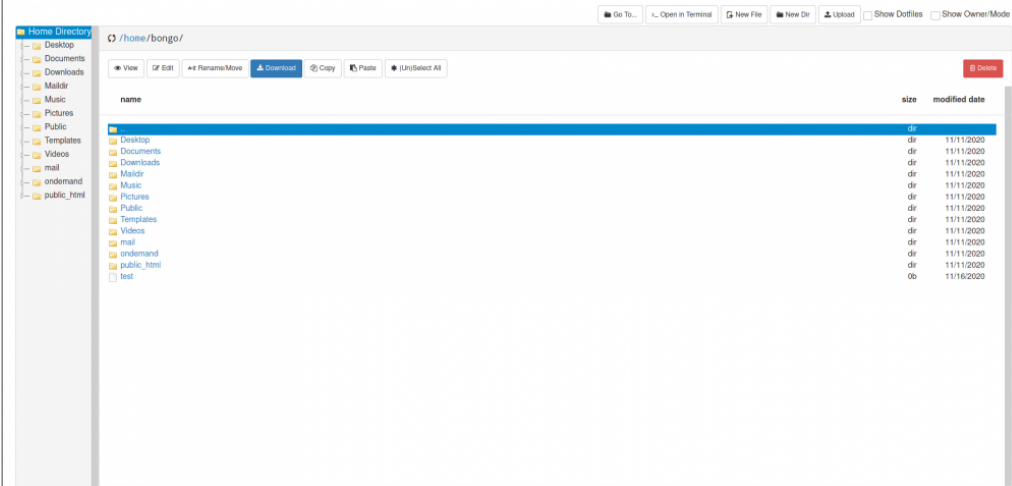
Tune VNC compression and image quality for better experience

Active sessions can be terminated by clicking on the DeLeTe button



The top part of the screenshot shows the 'Lorentz Institute Workstation (61)' session details. It includes fields for Host, Created at, Time Remaining (11 hours and 58 minutes), and Session ID. There are sliders for 'Compression' and 'Image Quality' (both set to 0), a 'Launch Lorentz Institute Workstation' button, and a 'View Only (Share-able Link)' button. The bottom part shows a terminal window with a file browser overlay. The terminal displays a list of files and directories, including 'Downloads', 'Documents', 'Music', 'Public', 'Templates', and 'Videos'. The file browser is titled 'Browse' and shows the contents of the 'Downloads' directory.

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.strw.leidenuniv.nl/wiki/> - **Computer Documentation Wiki**

Permanent link:

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

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