

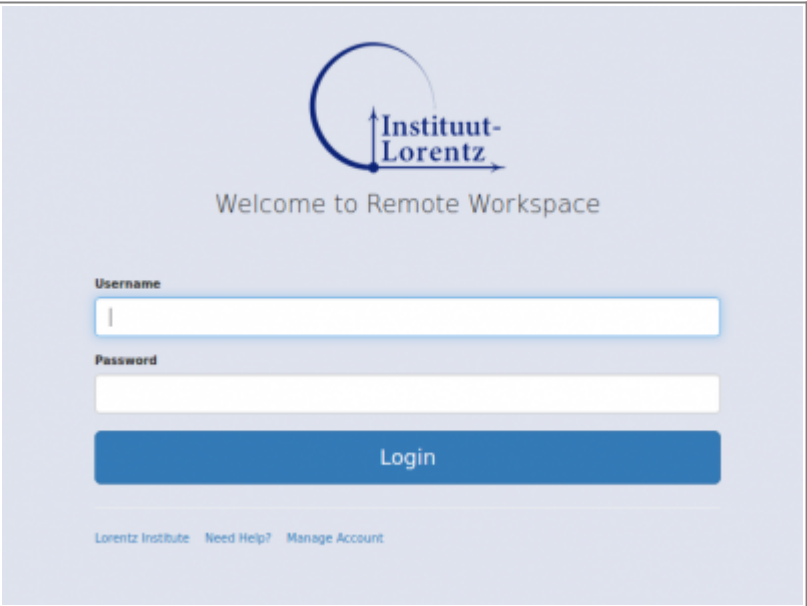
Remote Workspace

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

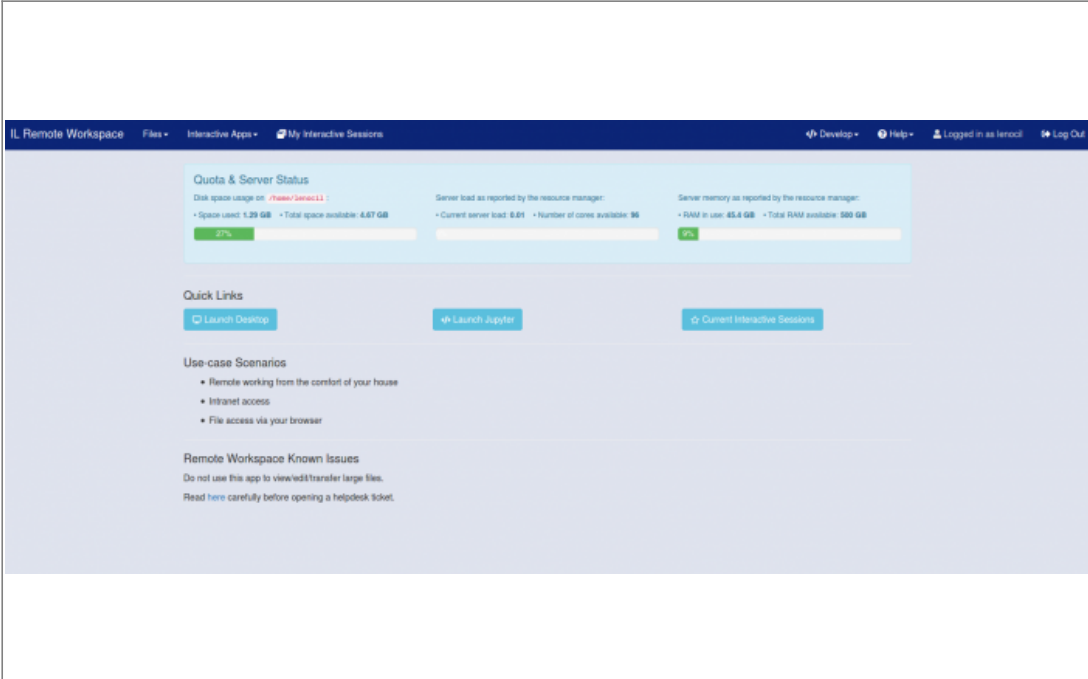
On this page you will find a short guide to get you started using IL Remote Workspace. The impatient can see these [example videos](#) (*accessible via intranet*).

Login to Remote Workspace

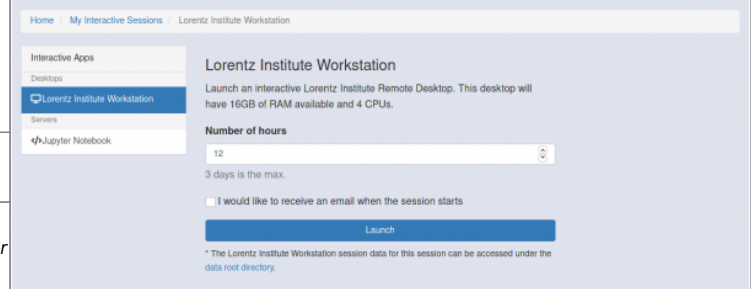
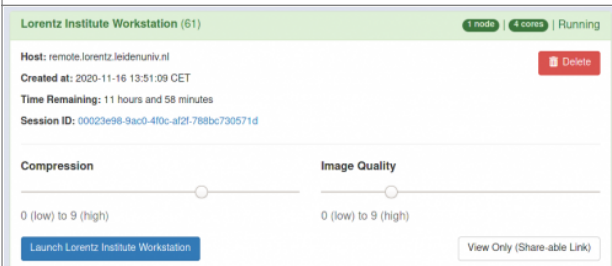
Browse to https://remote.lorentz.leidenuniv.nl <i>Any modern browser would do, but Firefox and Chrome are advised</i>	
Access by using your Lorentz Institute credentials <i>Your username is the part preceding the @ symbol</i>	
Several failed login attempts will cause your IP to be banned <i>To unblock 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 /rhaw/servec1.1' at 37%, 'Server load as reported by the resource manager' at 0.01, and 'Server memory as reported by the resource manager' at 9%. There are also 'Quick Links' for 'Launch Desktop', 'Launch Jupyter', and 'Current Interactive Sessions'. A 'Use-case Scenarios' section lists remote working, intranet access, and file access. A 'Remote Workspace Known Issues' section advises 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 <u>cannot</u> 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
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Interactive Apps

Access Interactive Apps via the toolbar Interactive Apps menu or via the <i>Quick links</i> buttons in the Dashboard. Choices are - Lorentz Institute Workstation - Jupyter Notebook Workstations are preconfigured with several softwares	 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 states '3 days is the max.' and another says 'I would like to receive an email when the session starts'. A footer note mentions that session data can be accessed under the data root directory.
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 <i>My Interactive sessions</i> toolbar menu	
 The screenshot shows an active session for 'Lorentz Institute Workstation (61)'. It displays host information, creation time, time remaining (11 hours and 58 minutes), and session ID. There are sliders for 'Compression' and 'Image Quality' (both set to 0), and buttons for 'Launch Lorentz Institute Workstation' and 'View Only (Share-able Link)'.	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

Really use a remote workstation as you wish

Launch a terminal

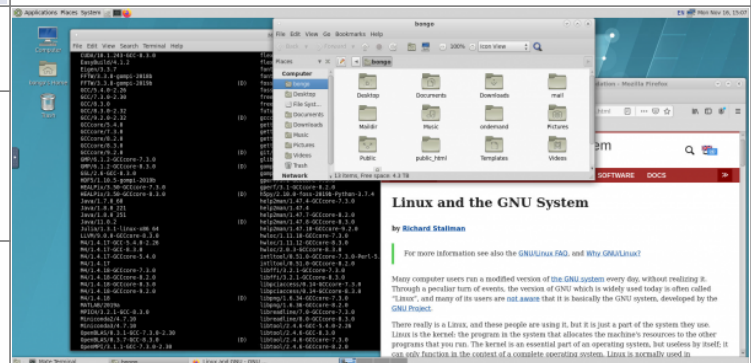
start a screen session *within the terminal*

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



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

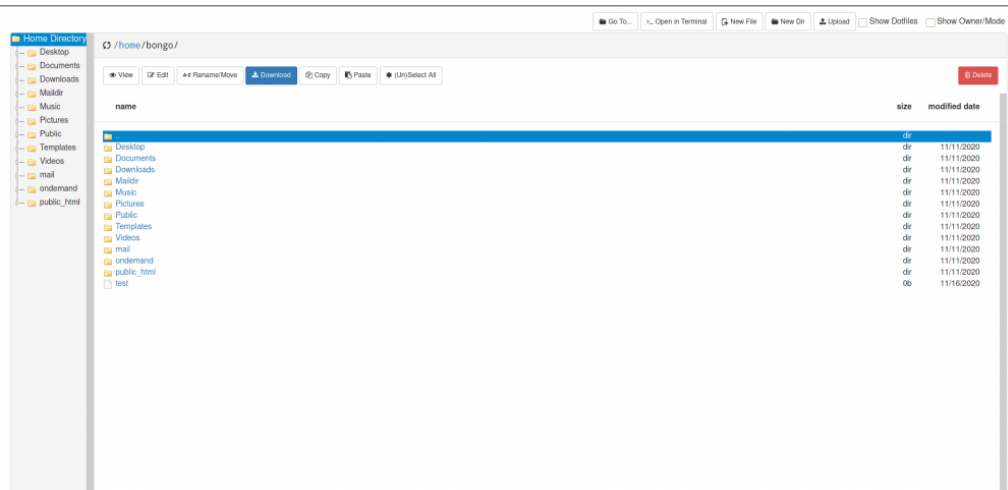
Transfer files from/to your laptop using the browser

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



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