

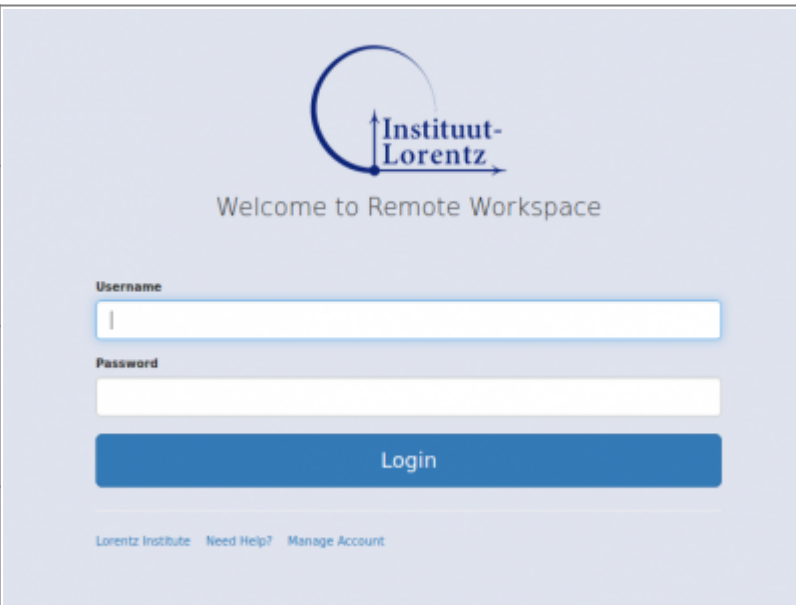
Remote Workspace

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

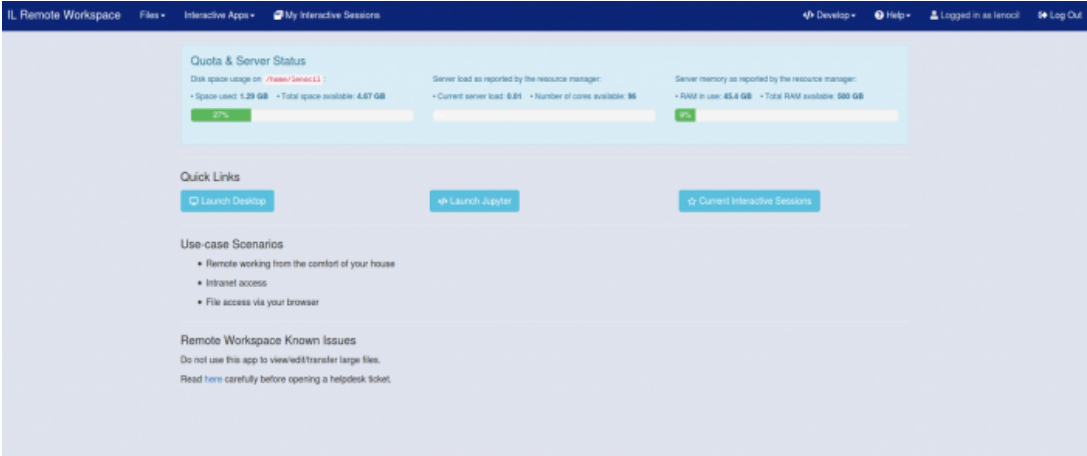
On this page you will find a short guide to get you started using IL Remote Workspace. The impatient can see these [example videos](#) (*accessible via intranet*).

Login to Remote Workspace

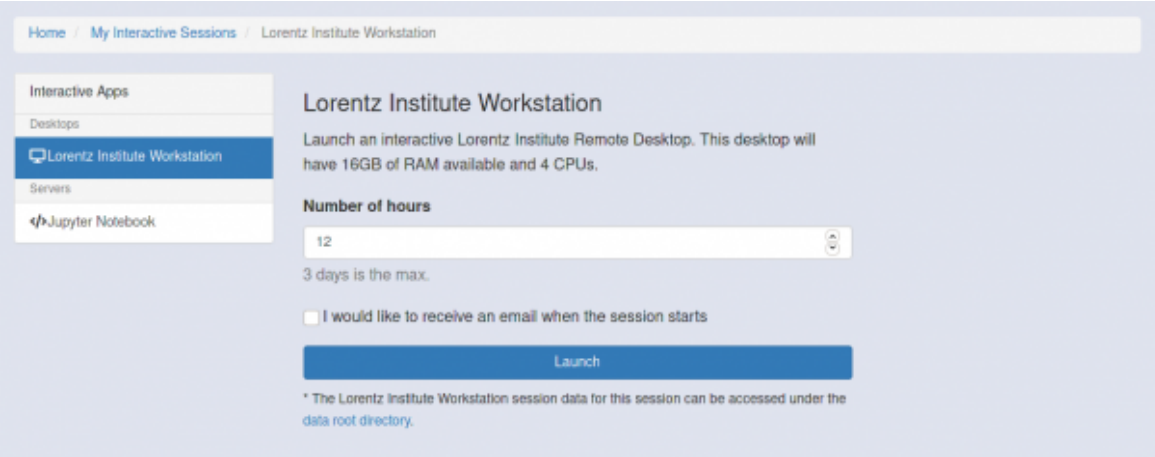
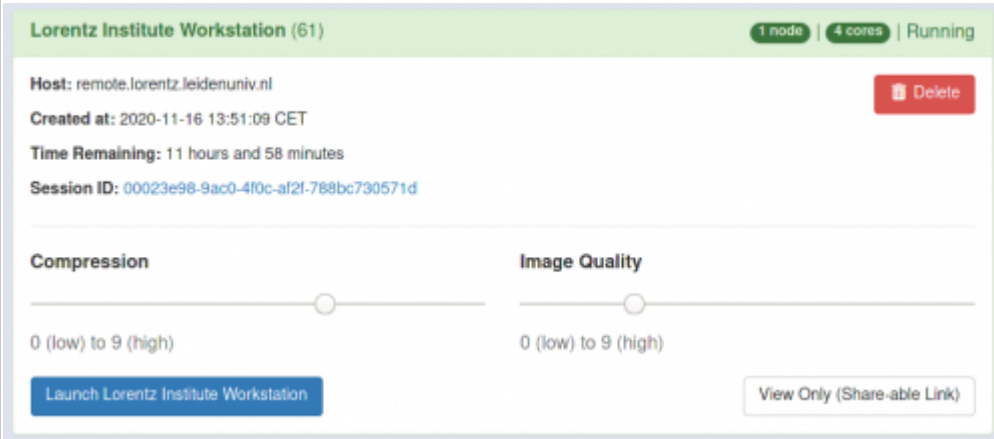
Browse to https://remote.lorentz.leidenuniv.nl <i>Any modern browser would do, but Firefox and Chrome are advised</i>	
Access by using your Lorentz Institute credentials <i>Your username is the part preceding the @ symbol</i>	
Several failed login attempts will cause your IP to be banned <i>To unblock 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'. The main content area is divided into sections: 'Quota & Server Status' with three progress bars for disk space (37% used), server load (6.61), and server memory (9% used); 'Quick Links' with buttons for 'Launch Desktop', 'Launch Jupyter', and 'Current Interactive Sessions'; 'Use-case Scenarios' with a list of three items; and 'Remote Workspace Known Issues' with a warning about 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 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 Connects 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' configuration page. On the left, a sidebar lists 'Interactive Apps', 'Desktops', 'Servers', and 'Jupyter Notebook'. The main area is titled 'Lorentz Institute Workstation' and contains the following information: 'Launch an interactive Lorentz Institute Remote Desktop. This desktop will have 16GB of RAM available and 4 CPUs.', a 'Number of hours' input field set to 12 (with a note '3 days is the max.'), a checkbox for 'I would like to receive an email when the session starts', a 'Launch' button, and a footnote: '* The Lorentz Institute Workstation session data for this session can be accessed under the data root directory.'
	 The screenshot shows an active session tab for 'Lorentz Institute Workstation (61)'. It displays the following details: Host: remote.lorentz.leidenuniv.nl, Created at: 2020-11-16 13:51:09 CET, Time Remaining: 11 hours and 58 minutes, and Session ID: 00023e98-9ac0-4f0c-af2f-788bc730571d. Below this, there are sliders for 'Compression' (0 to 9) and 'Image Quality' (0 to 9). At the bottom, there are buttons for 'Launch Lorentz Institute Workstation' and 'View Only (Share-able Link)'. A red 'Delete' button is also visible in the top right corner of the session details area. 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

Files

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

Different users have access to different file locations

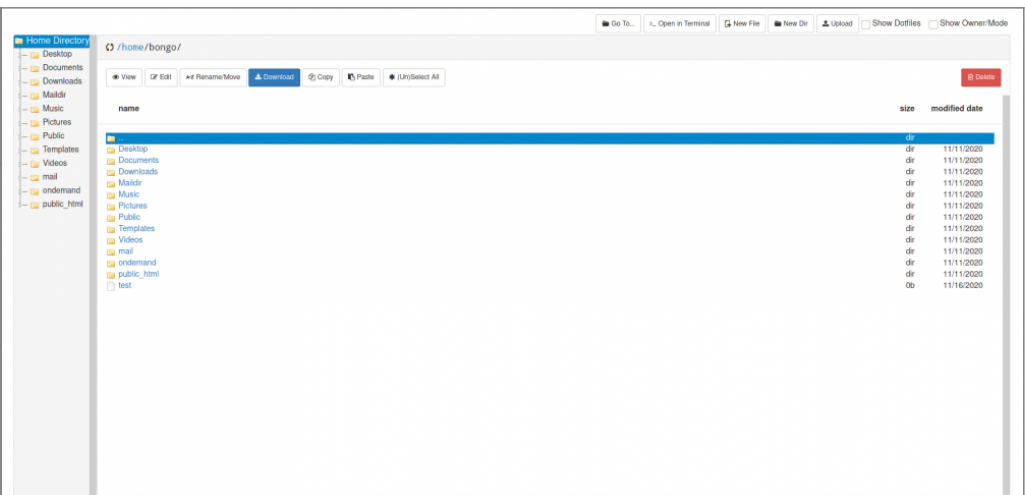
Seamlessly manage files stored on the IL disks

Transfer files from/to your laptop using the browser

No extra software or browser plugins needed

The GUI does **not** 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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<https://helpdesk.physics.leidenuniv.nl/wiki/> - Computer Documentation Wiki

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https://helpdesk.physics.leidenuniv.nl/wiki/doku.php?id=institute_lorentz:remote_workspace&rev=1605690208

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