

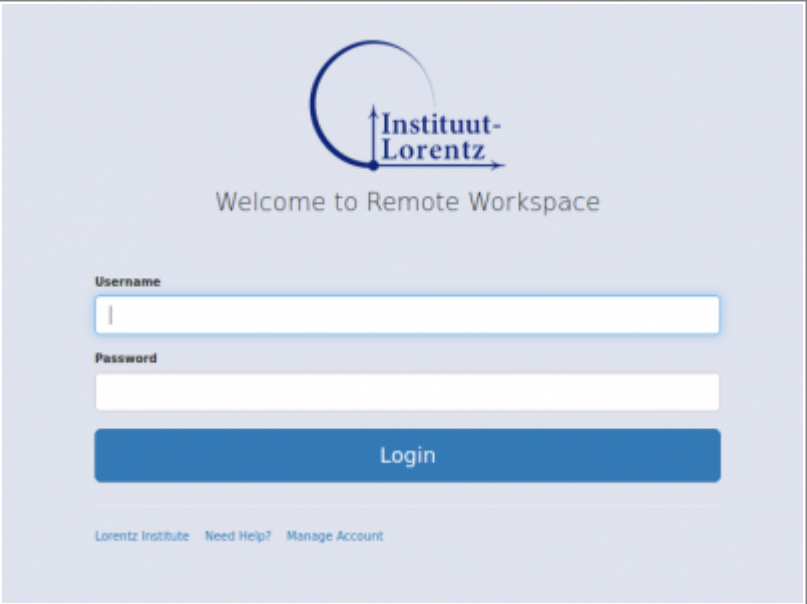
Remote Workspace

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

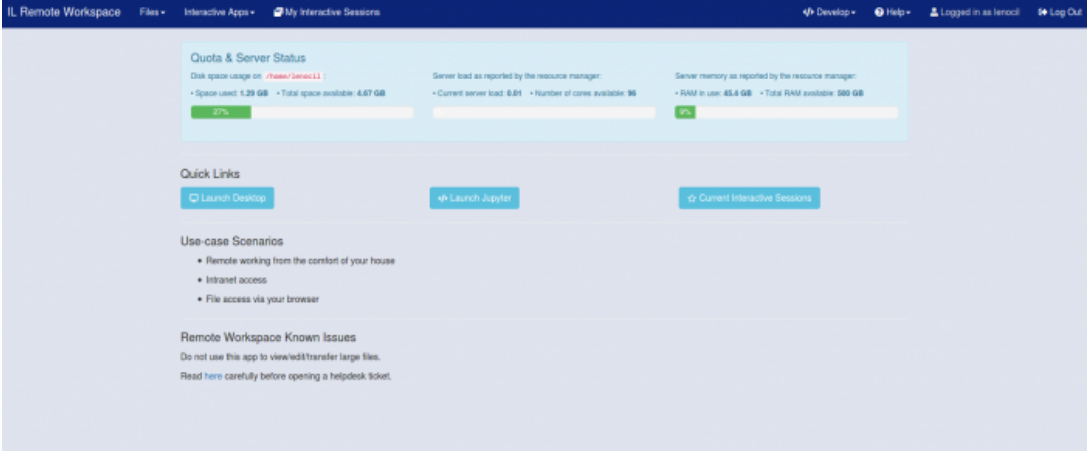
On this page you will find a short guide to get you started using IL Remote Workspace. The impatient can see these [example videos](#) (*accessible via intranet*).

Login to Remote Workspace

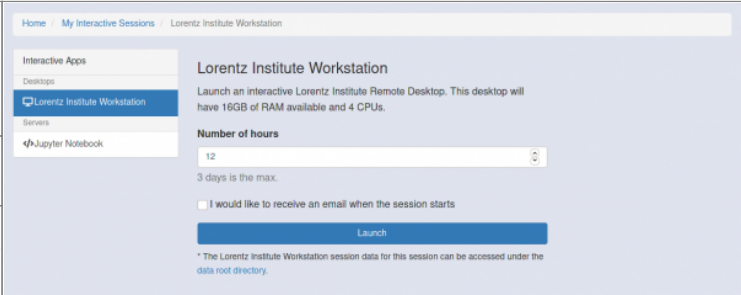
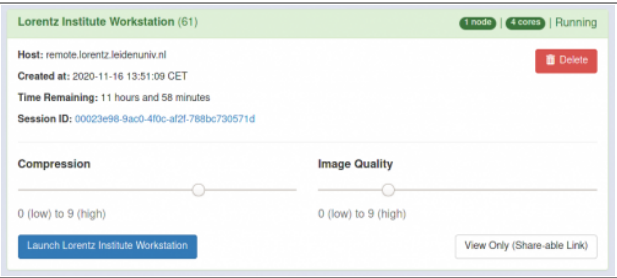
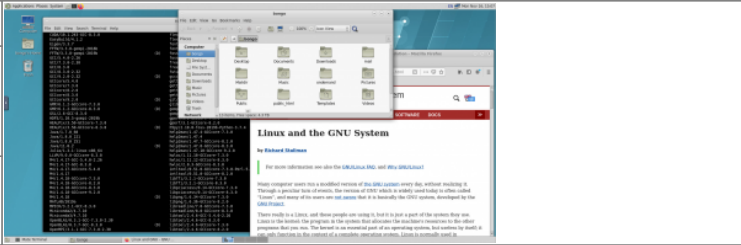
Browse to https://remote.lorentz.leidenuniv.nl <i>Any modern browser would do, but Firefox and Chrome are advised</i>	
Access by using your Lorentz Institute credentials <i>Your username is the part preceding the @ symbol</i>	
Several failed login attempts will cause your IP to be banned <i>To unblock your IP address contact the helpdesk</i>	
The <i>only</i> 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 disk space usage (1.29 GB used, 4.67 GB available), server load (0.81), and server memory (45.4 GB used, 500 GB available). Below this are 'Quick Links' for 'Launch Desktop', 'Launch Jupyter', and 'Current Interactive Sessions'. There are also 'Use-case Scenarios' and 'Remote Workspace Known Issues'.	Start/monitor/manage your remote sessions via the Dashboard <i>View/edit/create/transfer files</i> <i>The system GUI cannot handle large files (max 1GB is advised)</i> Quota information and server status <i>Do not ignore quota warnings, because many applications rely on free home space to work correctly</i> The server should be able to handle up to 20 concurrent remote sessions <i>Each interactive session allocates 4 CPUs and 16 GB RAM to a user</i> <i>A user can only request 1 session per time</i>
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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 <i>Past that mark, it will be terminated</i> 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 Desktop' button, a 'Number of hours' dropdown set to 12, and a 'Launch' button. There's also a checkbox for receiving an email when the session starts.
 The screenshot shows an active session for 'Lorentz Institute Workstation (61)'. It displays the host, creation time, time remaining, and session ID. There are sliders for 'Compression' and 'Image Quality', and a 'Launch Lorentz Institute Workstation' 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 <i>Tune VNC compression and image quality for better experience</i> Active sessions can be terminated by clicking on the DeLette button
Really use a remote workstation as you wish Launch a terminal <i>start a screen session within the terminal</i> <i>Note though that any process associated to your session will be terminated if the session is killed</i> Launch a browser <i>browse to IL subscribed journal sites,</i> <i>browse the intranet</i>	 The screenshot shows a remote workstation desktop environment. It includes a terminal window, a file browser, and a window titled 'Linux and the GNU System'.

Files

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

Different users have access to different file locations

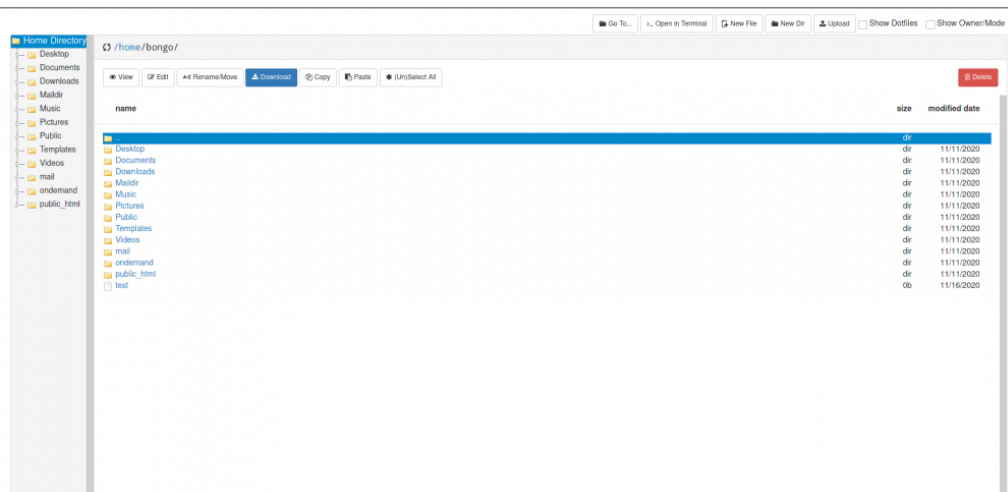
Seamlessly manage files stored on the IL disks

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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