

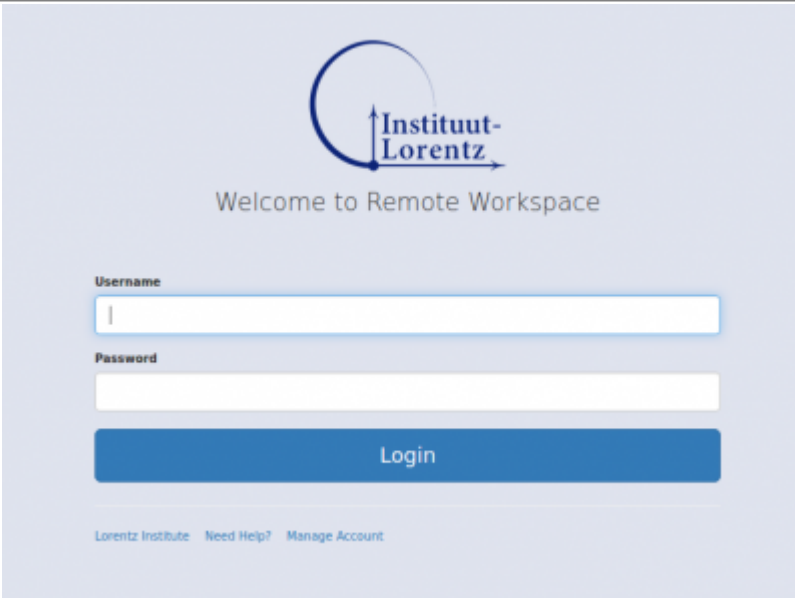
Remote Workspace

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

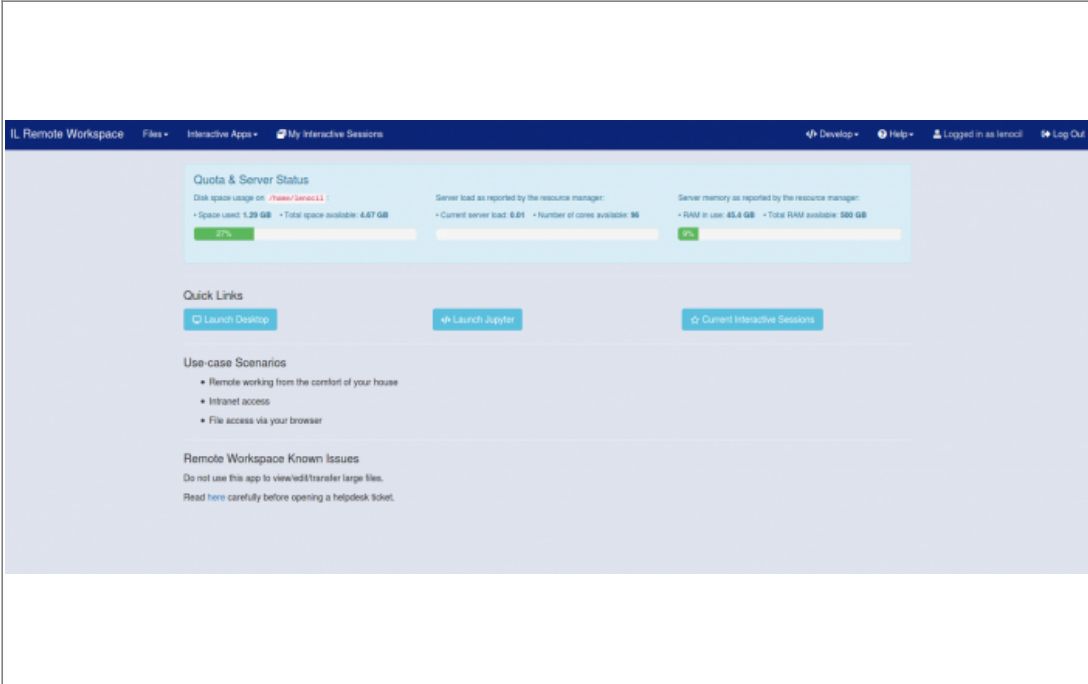
On this page you will find a short guide to get you started using IL Remote Workspace. The impatient can see these [example videos](#) (*accessible via intranet*).

Login to Remote Workspace

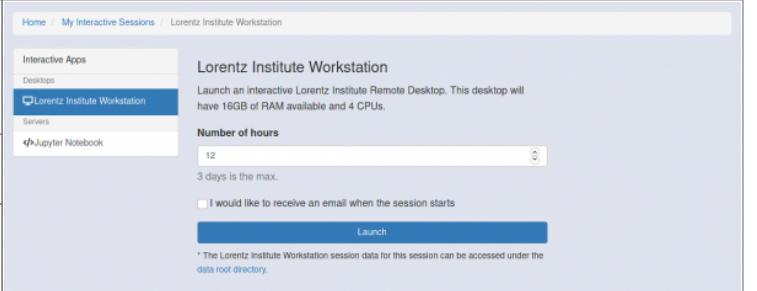
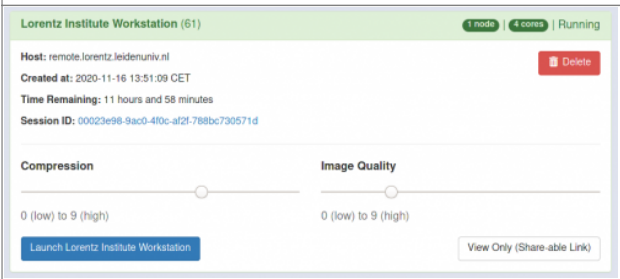
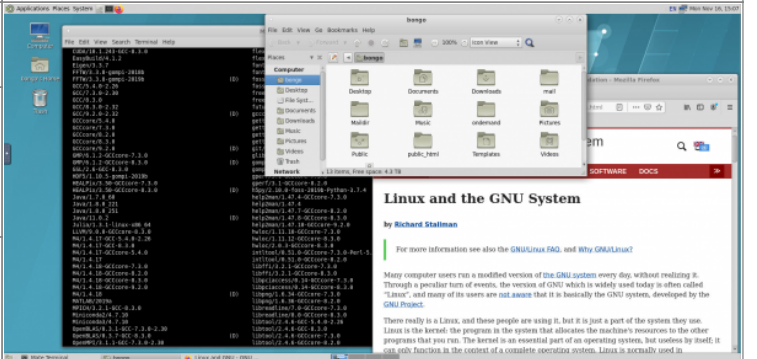
Browse to https://remote.lorentz.leidenuniv.nl <i>Any modern browser would do, but Firefox and Chrome are advised</i>	
Access by using your Lorentz Institute credentials <i>Your username is the part preceding the @ symbol</i>	
Several failed login attempts will cause your IP to be banned <i>To unblock your IP address contact the helpdesk</i>	
The only bookmark that will work is https://remote.lorentz.leidenuniv.nl <i>Other bookmarks will cause login errors</i>	


Using Remote Workspace

Dashboard

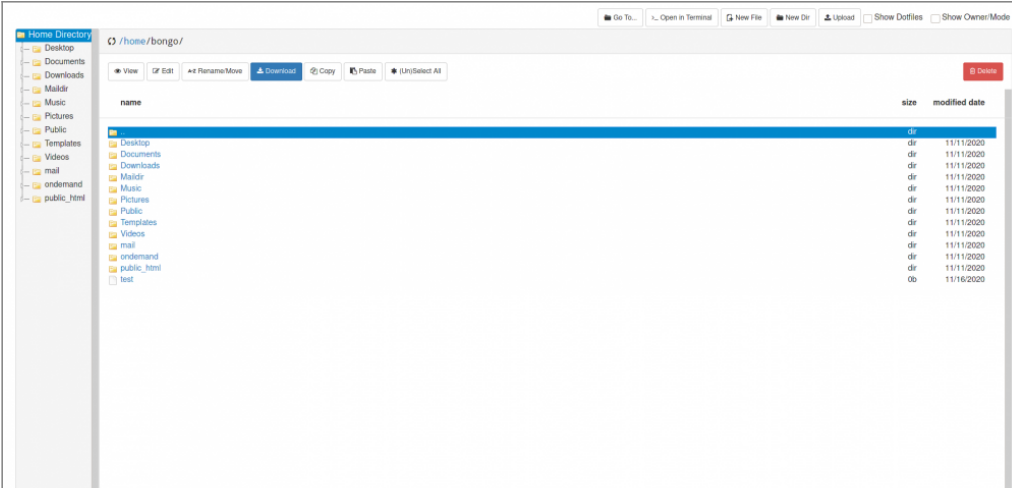
 <p>The screenshot shows the 'IL Remote Workspace' dashboard. At the top, there's a navigation bar with 'Files', 'Interactive Apps', and 'My Interactive Sessions'. Below this, a 'Quota & Server Status' section displays three progress bars: 'Disk space usage on /rhea0/servec1.1' at 37%, 'Server load as reported by the resource manager' at 0.01, and 'Server memory as reported by the resource manager' at 9%. 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 large files and provides a link to a helpdesk ticket.</p>	<p>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)</p> <p>Quota information and server status Do not ignore quota warnings, because many applications rely on free home space to work correctly</p> <p>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</p>
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Interactive Apps

<p>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</p> <p>An interactive desktop or notebook (session) can last a max of 72 hours Past that mark, it will be terminated</p> <p>Connectons to an unterminated (active) session is always possible even after logging out by clicking on <i>My Interactive sessions</i> toolbar menu</p>	 <p>The screenshot shows the 'My Interactive Sessions' page. It lists two sessions: 'Lorentz Institute Workstation' and 'Jupyter Notebook'. The 'Lorentz Institute Workstation' session is selected, showing details like 'Launch an interactive Lorentz Institute Remote Desktop. This desktop will have 16GB of RAM available and 4 CPUs.' and a 'Number of hours' set to 12. A 'Launch' button is visible at the bottom.</p>
 <p>The screenshot shows the details of the 'Lorentz Institute Workstation (61)' session. It includes the host 'remote.lorentz.leidenuniv.nl', creation time '2020-11-16 13:51:09 CET', time remaining '11 hours and 58 minutes', and session ID '00023e98-9a00-4f0c-a2f1-788bc730571d'. There are sliders for 'Compression' and 'Image Quality' (both from 0 to 9), a 'Launch Lorentz Institute Workstation' button, and a 'View Only (Shareable Link)' button.</p>	<p>An interactive session tab reports - session remaining time - allocated resources - link to debugging files</p> <p>The Session ID button will open a file browser to the session files Tune VNC compression and image quality for better experience</p> <p>Active sessions can be terminated by clicking on the DeLeTe button</p>
<p>Really use a remote workstation as you wish</p> <p>Launch a terminal start a screen session <i>within the terminal</i> Note though that any process associated to your session will be terminated if the session is killed</p> <p>Launch a browser browse to IL subscribed journal sites, browse the intranet</p>	 <p>The screenshot shows a Linux terminal window. On the left, a file browser displays the contents of a directory. On the right, a document titled 'Linux and the GNU System' by Richard Stallman is open, discussing the GNU system and its components.</p>

 Users who wish to use Jupyter Lab instead of the classic Jupyter Notebook must first launch a notebook and then substitute tree with lab in the window URL.

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`

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

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https://helpdesk.lorentz.leidenuniv.nl/wiki/doku.php?id=institute_lorentz:remote_workspace&rev=1605690909

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