

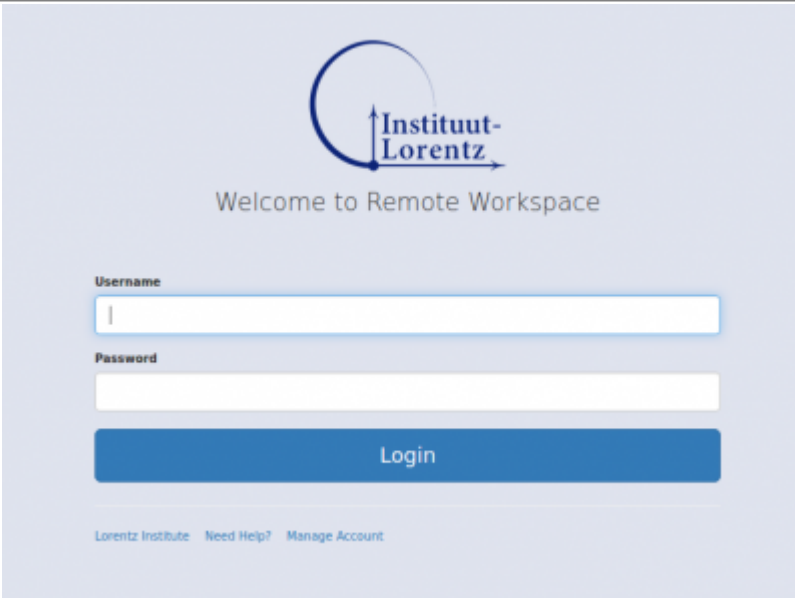
# Remote Workspace

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

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| 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   |

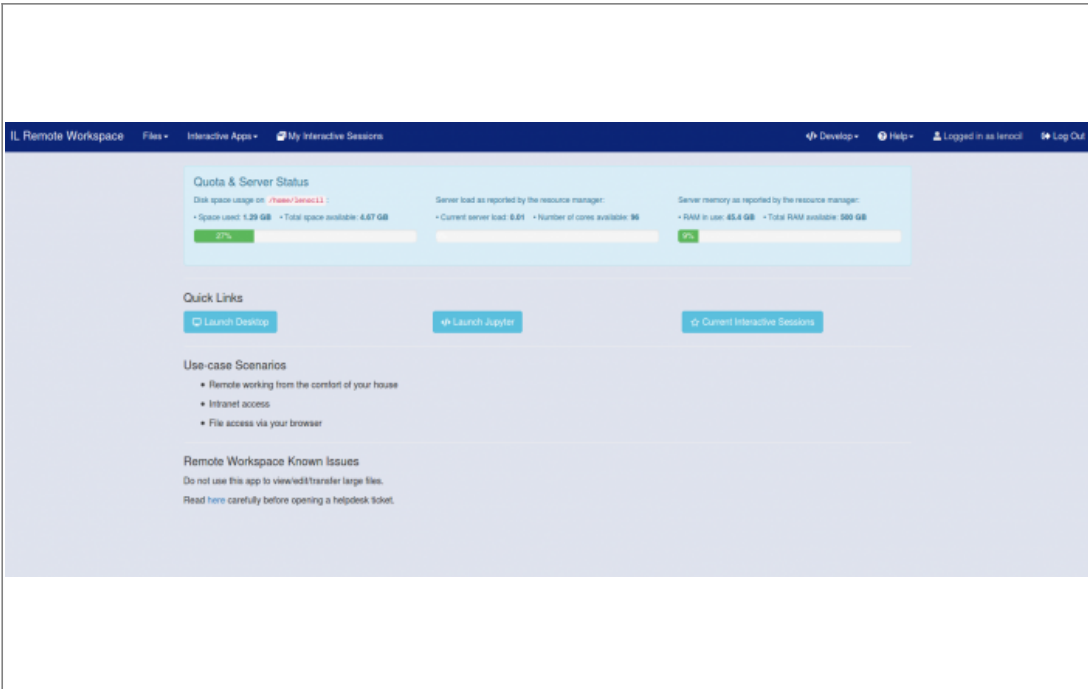
On this page you will find a short guide to get you started using IL Remote Workspace. The impatient can see these [example videos](#) (*accessible via intranet*).

## Login to Remote Workspace

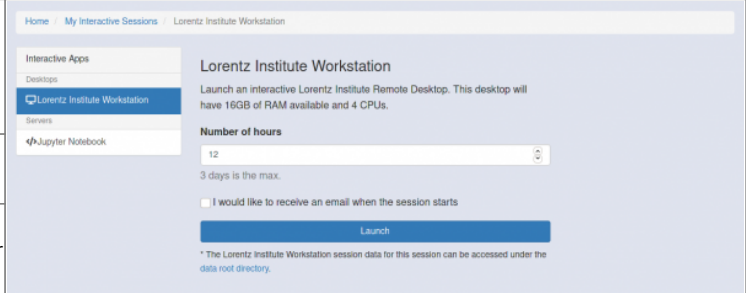
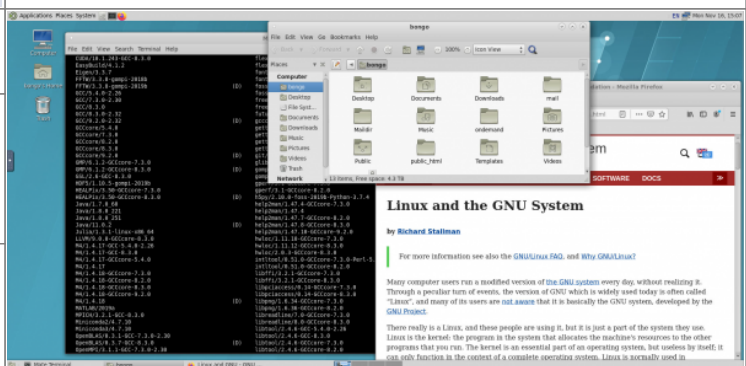
|  |   |
|--|---|
| Browse to<br><a href="https://remote.lorentz.leidenuniv.nl">https://remote.lorentz.leidenuniv.nl</a><br><i>Any modern browser would do, but Firefox and Chrome are advised</i>       |  |
| Access by using your <a href="#">Lorentz Institute credentials</a><br><i>Your username is the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


## Using Remote Workspace

### Dashboard

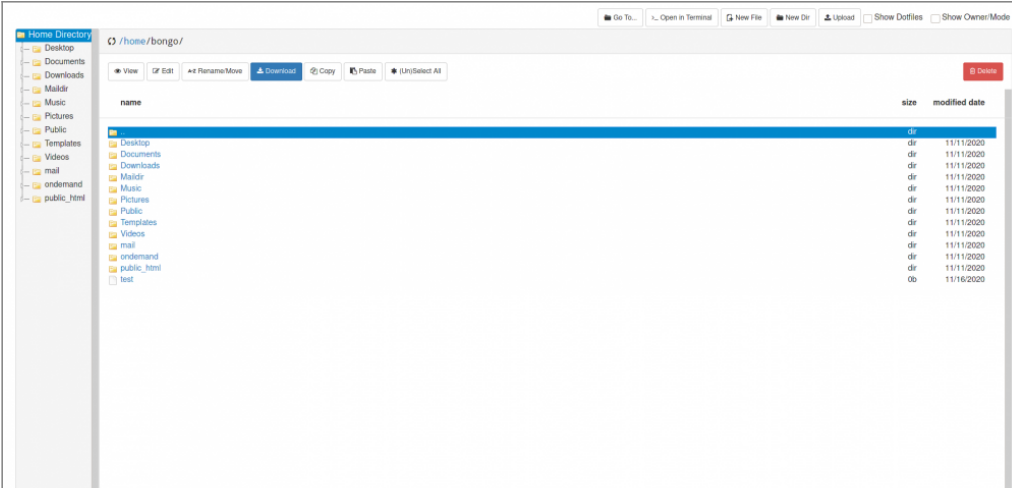
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|  <p>The screenshot shows the 'IL Remote Workspace' dashboard. It includes a 'Quota &amp; Server Status' section with three progress bars: Disk space usage (37%), Server load (0.01), and Server memory (0%). Below this are 'Quick Links' for 'Launch Desktop', 'Launch Jupyter', and 'Current Interactive Sessions'. There are also 'Use-case Scenarios' and 'Remote Workspace Known Issues' sections.</p> | <p>Start/monitor/manage your remote sessions via the Dashboard</p> <p><i>View/edit/create/transfer files</i></p> <p>The system GUI <u>cannot</u> handle large files (max 1GB is advised)</p> <p>Quota information and server status</p> <p><i>Do not ignore quota warnings, because many applications rely on free home space to work correctly</i></p> <p>The server should be able to handle up to 20 concurrent remote sessions</p> <p><i>Each interactive session allocates 4 CPUs and 16 GB RAM to a user</i></p> <p><i>A user can only request 1 session per time</i></p> |
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## Interactive Apps

|   |  |
|---|--|
| <p>Access Interactive Apps via the toolbar <b>Interactive Apps</b> menu or via the <i>Quick Links</i> buttons in the Dashboard. Choices are</p> <ul style="list-style-type: none"> <li>- Lorentz Institute Workstation</li> <li>- Jupyter Notebook</li> </ul> <p>Workstations are preconfigured with several softwares</p>  |  <p>The screenshot shows the 'Lorentz Institute Workstation' launch page. It includes a 'Number of hours' dropdown set to 12, a checkbox for 'I would like to receive an email when the session starts', 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.'</p> |
| <p>An interactive desktop or notebook (session) can last a max of 72 hours</p> <p><i>Past that mark, it will be terminated</i></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>An interactive session tab reports</p> <ul style="list-style-type: none"> <li>- session remaining time</li> <li>- allocated resources</li> <li>- link to debugging files</li> </ul> <p>The Session ID button will open a file browser to the session files</p> <p><i>Tune VNC compression and image quality for better experience</i></p> <p>Active sessions can be terminated by clicking on the DeLette button</p>  |
| <p>Really use a remote workstation as you wish</p> <p>Launch a terminal</p> <p><i>start a screen session within the terminal</i></p> <p><i>Note though that any process associated to your session will be terminated if the session is killed</i></p> <p>Launch a browser</p> <p><i>browse to IL subscribed journal sites,</i></p> <p><i>browse the intranet</i></p> |  <p>The screenshot shows a remote workstation desktop environment. It includes a terminal window with a list of installed packages, a file browser window showing the contents of a directory, and a web browser window displaying the 'Linux and the GNU System' page by Richard Stallman.</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`*

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