

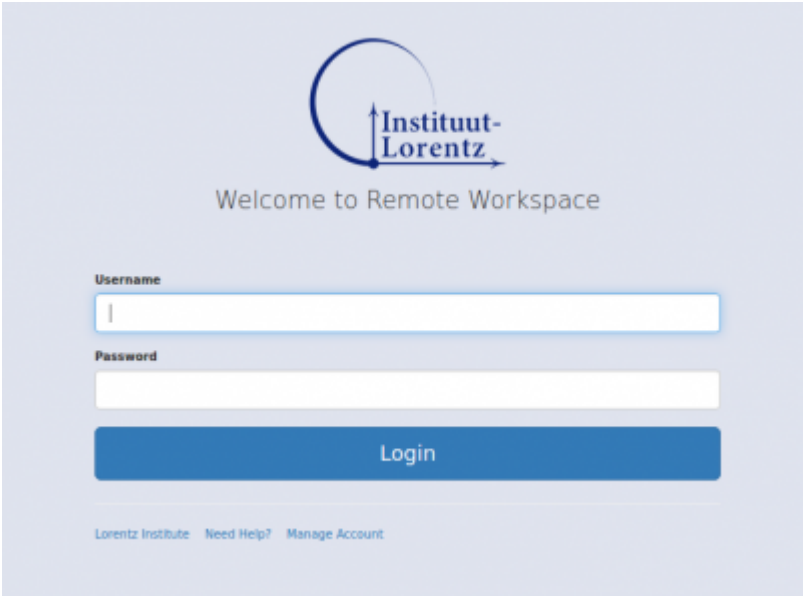
# Remote Workspace

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                                                           |

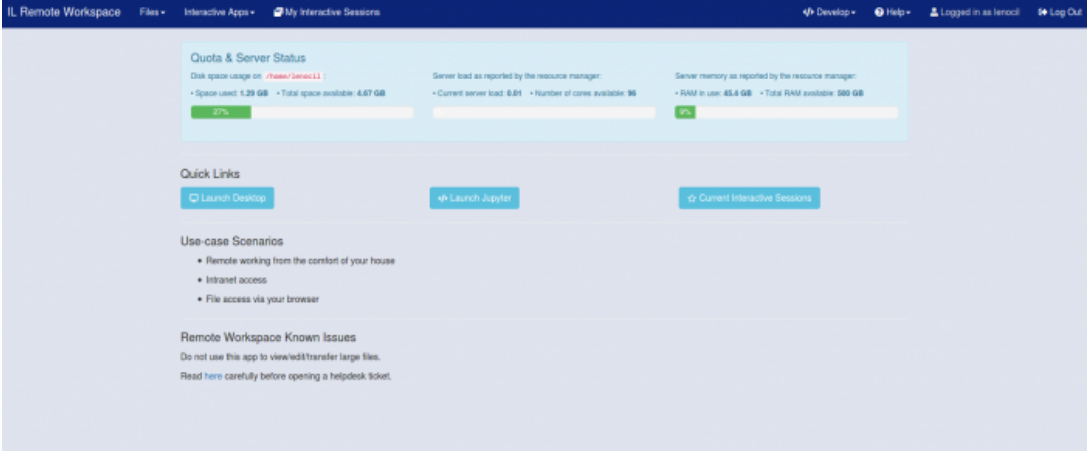
On this page you will find a short guide to get you started using IL Remote Workspace. The impatient can see these [example videos](#) (*accessible via intranet*).

## Login to Remote Workspace

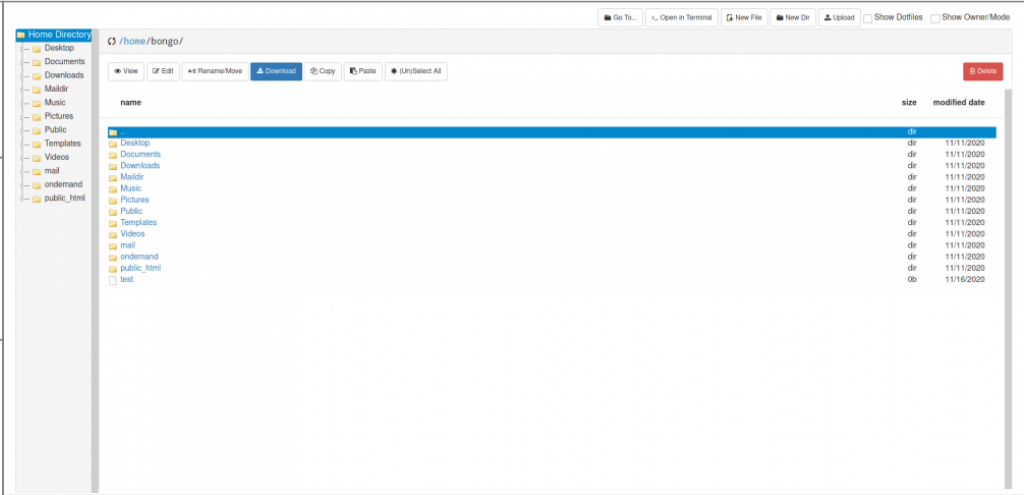
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| Browse to<br><a href="https://remote.lorentz.leidenuniv.nl">https://remote.lorentz.leidenuniv.nl</a><br><i>Any modern browser would do, but Firefox and Chrome are advised</i>       |  |
| Access by using your <a href="#">Lorentz Institute credentials</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 <u>only</u> 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

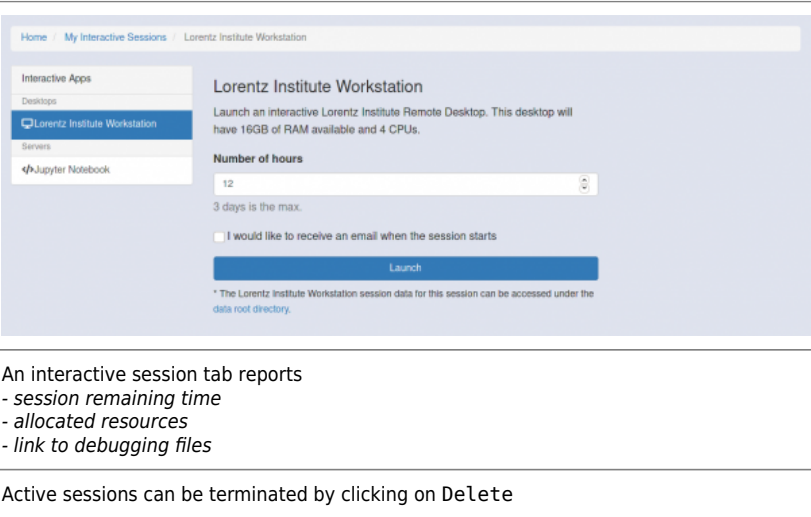
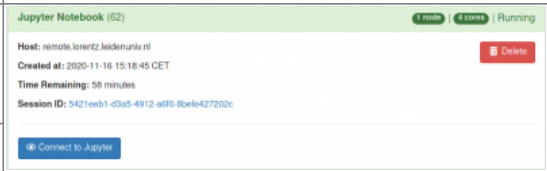
### Dashboard

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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|  <p>The screenshot shows the 'IL Remote Workspace' dashboard. 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 &amp; Server Status' with progress bars for disk space (27% used), server load (0.01), and server memory (9% used); 'Quick Links' with buttons for 'Launch Desktop', 'Launch Jupyter', and 'Current Interactive Sessions'; 'Use-case Scenarios' listing remote working, intranet access, and file access; and 'Remote Workspace Known Issues' with a warning not to use the app for large files.</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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Files

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <p>Access your files by clicking on the Files dropdown menu on the toolbar</p> <p><i>Different users have access to different file locations</i></p> <p>Seamlessly manage files stored on the IL disks</p> <p><i>Transfer files from/to your laptop using the browser</i></p> <p><i>No extra software or browser plugins needed</i></p> <p>The GUI does <u>not</u> to work well with large files (max 1GB)</p> <p><i>Transfer large files from/to using your favorite sftp client to <code>ssh.lorentz.leidenuniv.nl</code></i></p> |  <p>The screenshot shows a file browser interface for the home directory '/home/bongo/'. It lists various directories like Desktop, Documents, Downloads, Music, Pictures, Public, Templates, Videos, mail, ondemand, public_html, and test. A toolbar at the top includes options like View, Edit, Rename/Move, Download, Copy, Paste, and Unselect All.</p> |
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Interactive Apps

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|  <p>The screenshot shows the 'Interactive Apps' menu with options for 'Desktops', 'Lorentz Institute Workstation', and 'Jupyter Notebook'. Below, the 'Lorentz Institute Workstation' details are shown, including a 'Number of hours' input field set to 12, a 'Launch' button, and a note about session data access.</p> | <p>Access Interactive Apps via the toolbar Interactive Apps menu or via the <i>Quick links</i> buttons in the Dashboard.</p> <p><i>Choices are</i></p> <ul style="list-style-type: none"><li>- Lorentz Institute Workstation</li><li>- Jupyter Notebook</li></ul> <p><i>Workstations are preconfigured with several softwares</i></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 untermintated (active) session is always possible</p> <p><i>even after logging out by clicking on My Interactive sessions toolbar menu</i></p>  <p>The screenshot shows the details of a 'Jupyter Notebook (62)' session. It indicates the host is 'remote.lorentz.leidenuniv.nl', created at '2020-11-16 15:18:45 CET', with 'Time Remaining: 58 minutes' and 'Session ID: 5421eeb1-d3a5-4912-ae99-8b6e427202c'. A 'Delete' button is visible.</p> |
| <p>Active sessions can be terminated by clicking on DeLet</p>                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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Last update: **2020/11/18 08:52**

