

Download server

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CSC has commissioned a new server, download.iitd.ac.in, to facilitate research downloads through non-standard ports. Internet services can be accessed on all ports from this machine and all accesses and downloads will be logged. Users can request for access to this service by sending an email to sysadm@cc.iitd.ac.in. Requests from students and contract staff should be forwarded by their supervisors.

1. The server has Firefox installed and has about 200GB of temporary storage in /var/misc. Please delete any temporary files that you may download in to this area as soon as you copy them elsewhere. Use **ssh -Y download.iitd.ac.in** to enable X forwarding.

2. Alternatively, you can use ssh tunnel through this machine to download directly on your desktop/laptop. Please do a Google search on "ssh tunnel" for a howto/tutorial. Here are some basic commands to set up ssh tunnels.

1. **ssh -L 7777: www.google.com :80 download.iitd.ac.in -N** will map localhost:7777 to www.google.com:80. Pointing your browser to <http://localhost:7777> will redirect to www.google.com.

2. **ssh -L 7778: cli.globusonline.org :22 download.iitd.ac.in -N** will map localhost:7778 to cli.globusonline.org :22.

The command

ssh localhost -p 7778

from another terminal will take you to the ssh port of cli.globusonline.org.

File transfers via scp will also work over this tunnel e.g. **scp -P7778 test.txt localhost:** will transfer file "test.txt" to cli.globusonline.org

3. You can set up tunnels to any port using similar commands.