

About CgS Computing Lab (20180404-20190508)

Lab Parameters

Server IP: **172.20.160.50**

DNS Servers: 172.31.101.2, 172.31.1.130, 172.31.1.1

Search Order: cgs.iitk.ac.in, iitk.ac.in, cc.iitk.ac.in

All CgS Phd students have their login in CgS Lab System

Web Server: <https://cgs.iitk.ac.in>

Lab Services internet Web Page: <https://cgs.iitk.ac.in/user/cgslab>

Lab Services intranet Web Page: <https://web.cgs.iitk.ac.in/web/cgslab>

Lab has one Xeon Linux (Ubuntu) Server with **32 Core, 128GB RAM, 24 TB (Raw) Storage and 3 GPS cards** which provides GPS Computation and heavy computation. *In this system login is on request basis (recommended by instructor/guide).*

Lab has 7 Xeon Linux (Ubuntu) Servers which provide following services.

- DNS Server
- LDAP Server
- File Server (NFS)
- Db (MariaDB)
- Intranet Web Server (<https://web.cgs.iitk.ac.in>)
- Internet Web Server (<https://cgs.iitk.ac.in>)
- Backup Server

Currently CgS Lab has 5 AMD based work stations. Linux Mint/Ubuntu is loaded as OS. All systems are providing user access through LDAP authentication. Users have their unified area available to them in all the workstations through NFS/AutoFS. IP Allocation for client systems is as follows.

cgsws1:172.26.118.145, cgsws2:172.26.118.146, cgsws3:172.26.118.147, cgsws4:172.26.118.148, cgsws5:172.26.118.149

Users can change their LDAP password using “**passwd**” command on only one workstation named cgsws2 (IP:172.26.118.146).

Users should use **strong passwords** (Password which has Alphabets, Small chars, Caps chars, Numeric letters, Special chars and minimum length must be >= 8 chars).

How to print documents?

Login to workstation **cgsws3**(172.26.118.147) and print using lpr command. One can also print through GUI as well.

How to put files in web or www area?

Users are given three separate storage area in the central system. One area is home, second area is as /www/<login> and third area is for intranet web as /web/<login>. One can put his/her internet website content in web area which will be visible as <https://cgs.iitk.ac.in/user/<login>> and intranet website as <https://web.cgs.iitk.ac.in/web/<login>>

How to get login?

Usually logins are created in bulk after admission.

How to get other helps?

Send an email to bms@iitk.ac.in