About CgS Computing Lab (20210202)

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

User Web Area: https://cgs.iitk.ac.in/user/<user_login>

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 workstation through NFS/AutoFS. IP Allocation is as follows.

cgsws1:172.26.127.12,   cgsws2:172.26.127.16,   cgsws3:172.26.127.17, cgsws4:172.26.127.18, cgsws5:172.26.127.19

Users can change their LDAP password using "**passwd**" command on only one workstation named cgsws2 (IP:172.26.127.16).

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**(172.26.127.17) and print using lpr command. One can also print through GUI as well.

How to put files in web area?

Users are given two separate area in the central system. One area is home and another area is as /www/<login>. One can put his/her website content in web area which will be visible as ***https://cgs.iitk.ac.in/user/<login>***

How to get login?

Send an email to bms@iitk.ac.in from your IITK email along with duration for which login is requested.

How to get other helps?

Send an email to bms@iitk.ac.in