

Welcome to SNAP

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CSID account

- Register a new CSID account:
<https://cs.stanford.edu/webdb/csid>
- Manage your account:
<https://cs.stanford.edu/pedit>
- Request access to servers and future support:
<https://support.cs.stanford.edu>

Tell us a little more about yourself

The **Friendly Name** (by default your first name) field should have the name you are known as by most CSD faculty, staff, and students. For example, it can be your actual, legal first name or a nick name.

If you have a web home page please enter the complete URL. If you enter a home page here a link will be automatically created from the department home page to your home page.

Friendly Name: (required)

Professional Title:

Department:

Reason for CSID: (required)

HomePage:

[PREVIOUS](#) [NEXT](#)

Register CSID

Reason for CSID: Access to Infolab servers

CSID

Name

Misc

CSID

Choose a CS ID and password

The **CS ID** will be your login or username on CSD computer systems and will be your primary CS email alias. It must start with a letter, consist of only letters and numbers, and be less than 8 characters long. The **CS ID cannot be changed**, so please choose carefully.

If you have a SUNetID, we highly recommend you use it as your CS ID.

Your password is the most important single aspect of the security of your account. Choose and protect your password with care.

Sponsor or Advisor in CS: (required)

Rok Susic

CSID (login name) you would like: (required)

Password: (required)

Confirm Password

PREVIOUS

SAVE

Register CSID

Sponsor or Advisor in CS: Rok Susic

Infolab wiki

- Infolab Wiki: <http://snap.stanford.edu/moin/>
- Support requests: <https://support.cs.stanford.edu>
- Servers information:
<http://snap.stanford.edu/moin/InfolabServers>
- File storage:
<http://snap.stanford.edu/moin/StoringFiles>

Submit a request

Your email address *

Client Group *

The department, lab, or group for this request.

Sponsor *

Your sponsor, advisor, supervisor, etc.

Subject *

Description *

Please enter the details of your request. A member of our support staff will respond as soon as possible.

CC

Add additional email addresses to this ticket (comma separated).

Priority

Compute Servers

- Live Statistics

Server	IP	OS	Memory [GB]	CPU Type	Arch	CPU Speed
Rambo	172.24.75.77	CentOS 7.3.1611	12 TB	Xeon E7-8890x	64 bit	2.5
trinity	172.24.75.83	CentOS 7.3.1611	6 TB	Xeon E7-8890 v3	64 bit	2.5
Furiosa	172.24.75.72	CentOS 7.3.1611	2 TB	Xeon E7-8867	64 bit	2.40
MadMax7	172.24.75.65	Ubuntu 14.04.5 LTS	1024	Xeon E7-4870	64 bit	2.4
MadMax6	172.24.75.64	CentOS 7.3.1611	1024	Xeon E7-4870	64 bit	2.4
MadMax5	172.24.75.63	CentOS 7.3.1611	1024	Xeon E7-4870	64 bit	2.4
MadMax4	172.24.75.47	CentOS 7.3.1611	1024	Xeon E7-4870	64 bit	2.4
MadMax3	172.24.75.49	CentOS 7.3.1611	1024	Xeon E7-4870	64 bit	2.4
MadMax2	172.24.75.46	CentOS 6.8	1024	Xeon E7-4870	64 bit	2.4
Madmax1	172.24.75.39	CentOS 6.8	1024	Xeon E7-8837	64 bit	2.66
raiders1	172.24.75.13	Ubuntu 14.04	1024	Xeon E5-4657L v2	64 bit	2.4

Local access: `ssh <csid>@madmax7`
External access: `ssh <csid>@whale.stanford.edu`
or OpenVPN (optional)

SNAP: Hardware Infrastructure

Total:

- Cores: 2300
- RAM: 32 TB
- Storage: 1 PB

- Hadoop: 42 nodes
- Compute cluster: 1200 cores

Large memory servers:

- 12 machines
- RAM: 12+6+2+9*1TB
- Cores: up to 288/ server

GPU server

- 4xGPU Titan
- 48GB GPU RAM


```

[adrijan@raiders1:~$ df -h
Filesystem                Size      Used Avail Use% Mounted on
udev                      504G      4.0K  504G   1% /dev
tmpfs                     101G      3.4M  101G   1% /run
/dev/sda3                 184G      38G   137G  22% /
none                      4.0K           0  4.0K   0% /sys/fs/cgroup
none                      5.0M           0  5.0M   0% /run/lock
none                      504G      4.7M  504G   1% /run/shm
none                      100M      40K   100M   1% /run/user
/dev/sda2                 1.9G      40M   1.7G   3% /boot
/dev/sda4                  15T      7.0T   6.7T  52% /lfs/raiders1/0
AFS                       2.0T           0  2.0T   0% /afs
ilnfs1:/pool0/scratch0    50T      45T   5.1T  90% /dfs/scratch0
ilnfs1:/pool1/scratch1    56T      50T   6.6T  89% /dfs/scratch1
[adrijan@raiders1:~$ pwd
/afs/cs.stanford.edu/u/adrijan
adrijan@raiders1:~$ █

```

Storage

AFS home directory
 LFS: local file system
 DFS: distributed file system

Web crawling

- Don't use any of servers for crawling the web
- Use silk04-24 virtual servers for crawling. Submit request for account

Long running jobs

- Check out Wiki: <http://snap.stanford.edu/moin/ScreenKerberos>
- Alternative: Start a new Screen: “screen”
- Detach from Screen: “ctrl + a, d”
- Resume screen: “screen -r”, if more screens are running use “screen -r ID”
- Screen tutorial: <https://www.rackaid.com/blog/linux-screen-tutorial-and-how-to/>

User policy

- If resources are available on servers feel free to use them

Meetings

- SNAP group meeting - Tuesday: 10AM, Gates 415
- Infolunch meeting - Friday: noon, Gates 415

Official hours

- Every day from Monday to Friday from 2PM - 3PM
- Email: adrijan@cs.stanford.edu
- Submit requests to <https://support.cs.stanford.edu>

Mailing list

- SNAP mailing list: snap-group@lists.stanford.edu
<https://mailman.stanford.edu/mailman/listinfo/snap-group>
- Infolab mailing list: infolab@cs.stanford.edu

Optional

- Key to access Gates building.
<http://snap.stanford.edu/moin/GatesBuilding>
- Assigned space