Welcome to SNAP

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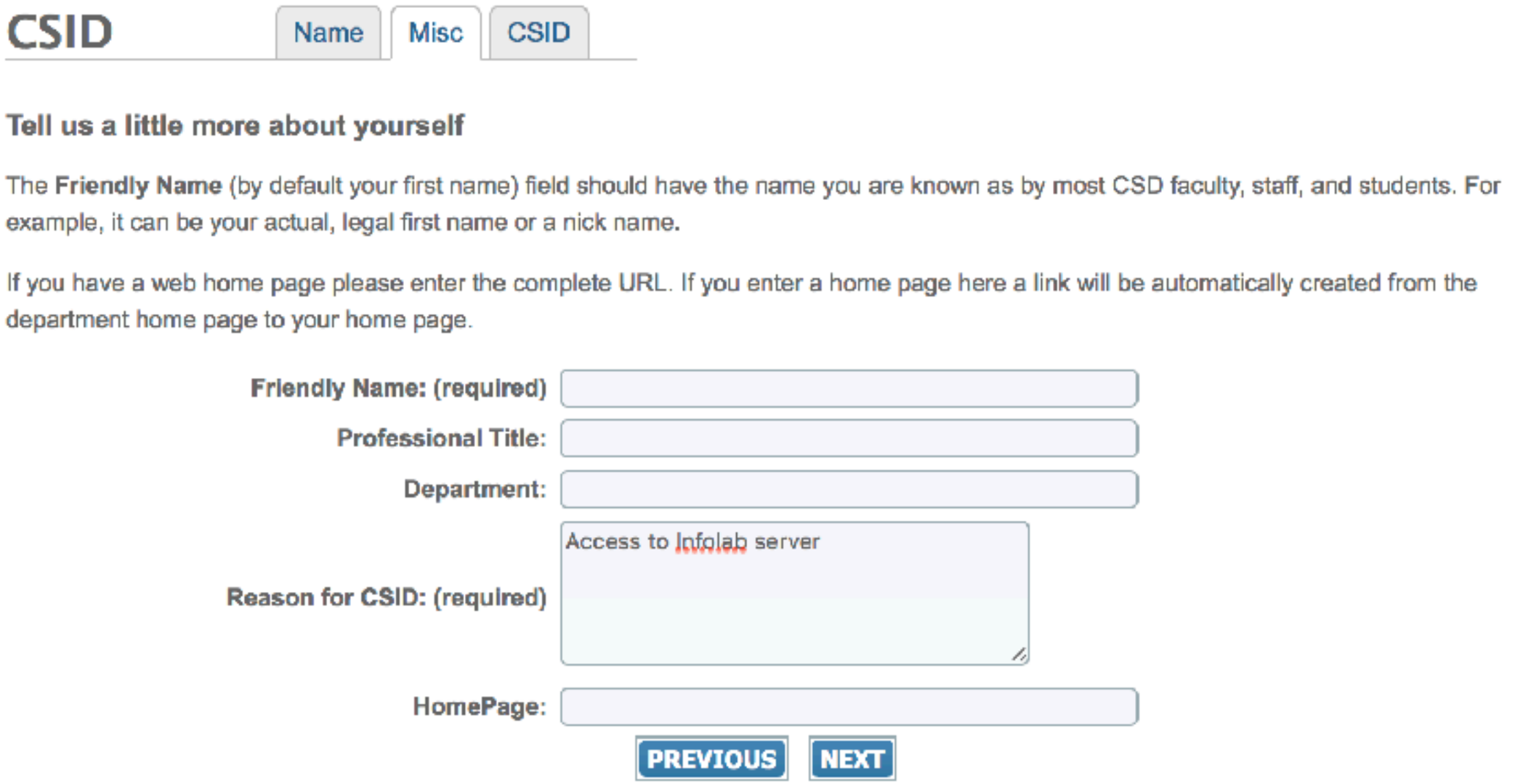
CSID account

- Register a new CSID account: https://cs.stanford.edu/webdb/csid

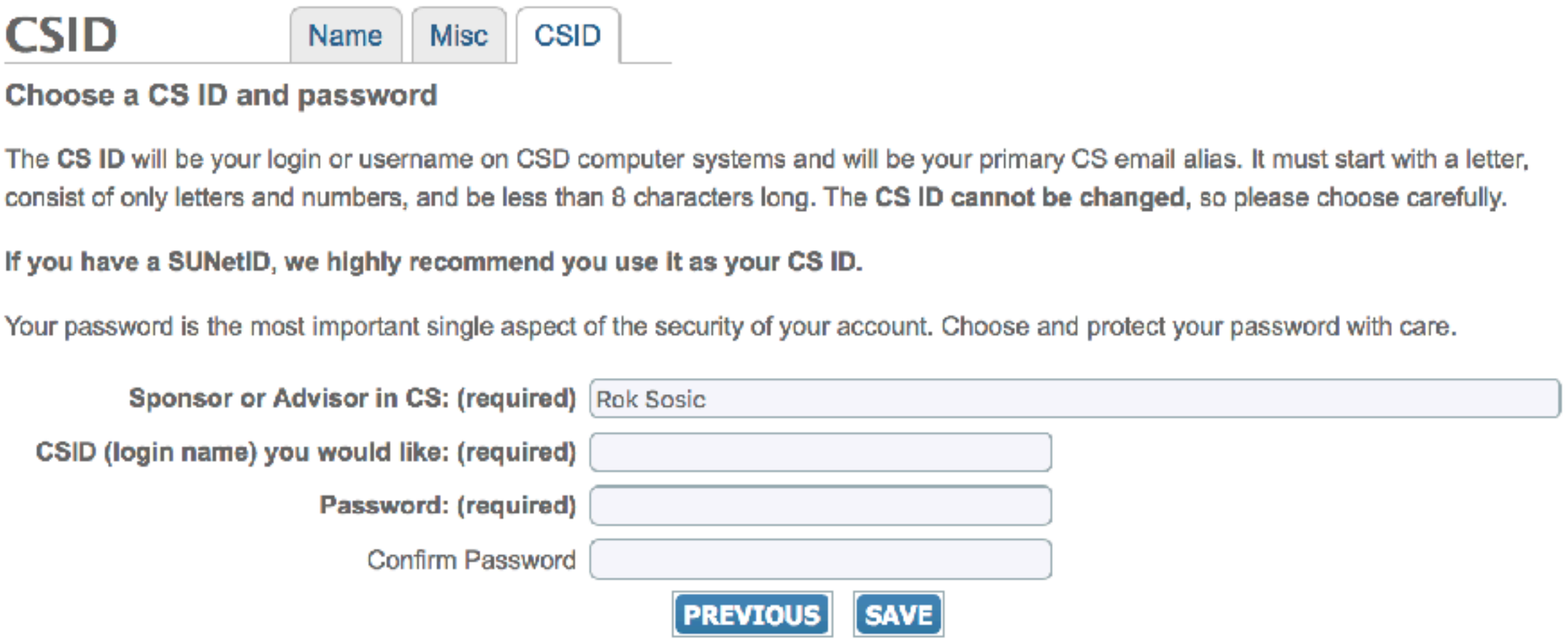
- Manage your account: https://cs.stanford.edu/pedit

- Request access to servers and future support: https://support.cs.stanford.edu



Register CSID

Reason for CSID: Access to Infolab servers



Register CSID

Sponsor or Advisor in CS: Rok Sosic

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 *

Other/Unknown

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	Xenon 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