



How do I Request a Research Account, and Change my Research Account Password?

Research accounts can be created for the following people: Faculty, Visiting Faculty, PHD, and Masters of Financial Engineering* (MFE) students. Any other requests need special approval by the Haas Computing Services Director.

Requesting an Account

To request a research account you must enter a helpdesk job at <http://helpdesk@haas.berkeley.edu> with the following information:

- Your first and last name
- Your haas e-mail address
- Reason why you need the account.
- Expiration date for the account



Space

Once the request is processed it will be ready within 3 days. You will receive an account on the bull server. Faculty receive 2 Gigabytes of space. All other users receive 1Gigabyte. Additional space can be requested via helpdesk. If granted, there is a charge of \$125 per GB/year.

Passwords

The password for your new account will be the same as your Windows login account. Please remember that if you change the password for your windows account, you will also be changing your e-mail and research accounts' passwords.

Orientation

After your research account is ready you will be required to attend a mandatory orientation. This will be arranged by the helpdesk administrator after your account has been created.

*MFE students automatically receive research accounts when their Windows and e-mail accounts are created.

Research Computing Policy

Use of the Haas [Research Computing Resources](#) is guided by the [Computer Use Policy for the University of California at Berkeley](#) and the [Faculty / Student / Staff](#) Service Level Agreements (the "SLA's").

1. A user is expected to be courteous and sensitive to the activities of other Research Server users. [Research Computing Etiquette](#) should be observed at all times.
2. Anyone misusing an account will be warned and may have his/her access suspended immediately, and may be subject to further administrative or disciplinary action.
 - Each individual is responsible for ALL activity associated with his/her account.
 - Do not disclose your account information to anyone
 - DO NOT log into your account from another individual's account.
 - E-mail [Helpdesk](#) (or call 642-0434) immediately if you suspect that someone has gained access to your account.
3. Misuse of an account includes:
 - Unauthorized attempts to access accounts, files, or system resources.
 - Allowing another individual to access your HCS account.
 - Malicious mischief of any sort.
 - Any activity originating from an HCS account (on any computer system) that results in a substantiated complaint being logged against the user.
 - Using UC resources for commercial activity.
 - Use of electronic communications for advertising, selling, or sending chain letters.
 - Playing of games for other than academic purposes.
 - Failure to follow these SLA's or to cooperate with requests of Haas Computing Services regarding use of system resources.
4. Access to accounts:
 - Accounts for this system are available to Faculty, PhD students, Visiting Faculty, and Visiting Scholars upon request. Contact the HCS [HelpDesk](#) to establish a Research Computing Account.
 - Shell access to accounts will be granted only after the account holder has completed the Research Computing Orientation offered by the HCS Faculty / PhD Computing Support Group.
 - Shell access to the Research Server is allowed through the use of Secure Shell (e.g. SSH Secure Shell from SSH Communication Security Ltd.) only.
 - File transfer to and from the research server is allowed through the use of Secure Shell File Transfer Program.
 - Non secure Telnet and FTP services will NOT be run on the research server
 - No "r" commands can be used to access the Research Server (e.g., rlogin, rexec, rsh, rcp, and rdist).
 - No e-mail services will be run on the Research Server. For contact purposes, all Research Server account holders are provided with a Haas E-mail account.
5. Limitations on accounts:
 - Research Server accounts which are inactive (i.e. have not been accessed) for six months will be removed one week after a warning email is sent to the account holder.
 - Requests for an extension of an account must be received within 15 days of the account expiration date (enter a request for extension in [HelpDesk](#)).
6. Restrictions on files:
 - Only the owner will have "write" access to a "dot" file (a file located under the home directory with a name that begins with a "." prefix).

- ".Dot" files can not be a "link" to a file outside of the user's account.
- No .rhosts files are permitted on the Research Server. All .rhosts files are removed by automated process.
- No .netrc files are permitted the Research Server. All .netrc files are removed by automated process.
- Users are restricted to creating and modifying files under their account (home directory). With the exception of the use of the directory "/tmp" the placement or modification of files in any other location is prohibited.

7. Sharing resources on the Research Server:

- When system utilizations is high, users shall not run more than one large job (defined as consuming more then 10% CPU time per CPU) at a time. During periods of low utilization multiple large jobs may be run.
- When system utilizations is high, users shall not run jobs on more than 3 CPUs simultaneously. During periods of low utilization the number of CPUs used simultaneously will not be restricted.
- When printing, do not place more than 10 jobs in a printer queue.
- When running a job expected to take longer than one hour, the user must lower the priority of the job by a minimum of 5 below standard execution (e.g., renice -n 5 sas dataset.sas).
- Users are expected to clean up after their own jobs and manage the disk space they use. Disk swap space (e.g., /tmp) can be used for temporary (< 3 day) storage of files, and is cleared every 72 hours by automated process. If a user runs a program (e.g., SAS) which

is using swap space, that space will not be cleared until the job is finished.

- If a user job fills any shared disk space (e.g., /tmp), the user is expected to clear the space as soon as the problem is detected. If a disruption of service is caused by a user's job running the temp/swap space full, a run-away process, etc., the system administration group may terminate the offending process after attempting to contact the process owner.
- The following disk storage quotas are in effect:
 - 2000 MB soft limit, 2100MB hard limit for Faculty accounts
 - 1000 MB soft limit, 1100 MB hard limit for visiting Faculty and non Faculty accounts

(Once the soft limit has been passed, users are given 4 weeks until data can no longer be added to the account. Once the hard limit has been passed, the account will be effectively unusable. The `quota -v` command will let you determine your current storage allocation.)

- Users requiring additional disk storage will request a quota increase by email to the Faculty / PhD Computing Committee via the Director, HCS. If the request is granted, storage will be free to PhDs, and will cost a one time charge of \$125 per Gigabyte for ladder faculty. (These funds will be used to finance the purchase of additional disk storage arrays.)
- Data not accessed for one year are removed to conserve space. The tape backup copies of removed ('archived') data are deleted from the tape library after an additional 90 days. Requests to restore archived data should be made through the [HelpDesk](#). Account holders may purchase supported tapes for the purpose of maintaining their own archive of research data beyond 90 days.