

Moriyama Lab Computer Use General Guideline

(updated on Nov/'15 by EM and TN)

All users of our servers **bioservx/bioservx0** are expected to follow this guideline.

Disk Usage: All users have limited disk quota for their home directories. The "data" directory (**/mnt/fss/DATA/username**; a symbolic link "**data**" can be found in your home directory) should be used to save files.

Quota: Disk quota is set to 2 GB for the home directory and 10 GB for the data directory. Use "**quota**" command to check your disk usage.

Access to Server: Use **ssh** to access **bioservx** or **bioservx0**. **rlogin** and **telnet** are not allowed for security reasons. Furthermore, connection to **bioservx/bioservx0** is only allowed from computers that have **129.93.X.X (unl.edu)** IP addresses.

FTP Access: You can use both graphical and command-line tools to access **bioservx/bioservx0**. Because of security concerns, unencrypted ftp connection is not allowed. Use **sftp** or **scp**. If you are a Microsoft Windows user, you can use **WinSCP** (downloadable from <http://winscp.net/eng/index.php>), for example. For Macintosh OS X, try **Fetch** (<http://fetchsoftworks.com/>; free for academic users).

Server Usage: The master node (on **bioservx**) or head node (on **bioservx0**) should be used only for limited jobs (such as 'ssh'). Running any jobs other than simple commands on the master/head nodes is not allowed. Any such process on the master/head nodes by regular users will be killed without warning. To use client nodes,

- on **bioservx0**, use either ssh or PBS to use other nodes:

```
"ssh user_name@node01"
```

- on **bioservx**, use Torque/PBS.

To use PBS, read "**Start using PBS**" and "**PBS FAQ**" pages on our website.

Backup: The home and "data" directories are backed up twice a week.

Software: Users are not allowed to copy any software available on our server without permission.

E-Mail: We do not provide any e-mail related service on **bioservx/bioservx0**.

Support: An e-mail list, **emuser@unl.edu**, is available for all **bioservx/bioservx0** users. Send your support questions to this email list. Or contact the system administrator (Ty Nguyen, ty_nguyen@professionalcomputersolutions.biz) directly.