Accounts and Allocation Management
RSA

- RSA One Time Password (OTP)
- Option of physical or soft token (iPhone & Android)
- Set security questions at https://otp.ncsa.illinois.edu
  - Allows you to change PIN
  - Get temporary token codes
- Can get out of time sync which might require entering two token codes in a row.
RSA continued

- Contact help+bw@ncsa.illinois.edu to
  - To report and replace lost or damaged tokens.
  - To reset PIN when you can’t do it yourself via OTP website (https://otp.ncsa.illinois.edu).
  - Both require confirmation via telephone call to the phone numbers listed for your account.
Account

- **Portal Functions**
  - Account management
  - Assign a delegate
  - Changing account information
  - Check usage
  - Check storage

- **Blue Waters Command line**
  - Checking usage
  - Checking storage quota
Usage

- Usage is updated daily at the moment.
- Timings based on Moab accounting, checked with Torque.

```
> usage -u gbauser
Proj  Mach  Login   Usage  Status  Proj_alloc  Proj_usage  Proj_expire  Name
bw_seas bw  gbauser  0.00  Active  1.00       0.00       04/02/2018   Bauer, Gregory
bw_staff bw  gbauser 237788.86 Active 9999999.00 4487521.24 04/02/2018   Bauer, Gregory
jnd      bw  gbauser  4594.72  Active 9999999.00  41810.97  04/02/2018   Bauer, Gregory
jnx      bw  gbauser  0.00  Active 9999999.00  0.00       04/02/2018   Bauer, Gregory
joj     bw  gbauser  3609.53  Active 9999999.00 1391075.58 12/31/2018   Bauer, Gregory
PRAC_jnf bw  gbauser  0.00  Active 31500000.00 4921304.42 12/31/2018   Bauer, Gregory
TRAIN_jsl bw  gbauser  0.00  Active 500.00  32.00      10/15/2014   Bauer, Gregory
```
### Quota and use of online and Nearline storage

```bash
bauer@h2ologin2:~> quota
Lustre Quota Information

<table>
<thead>
<tr>
<th>Filesystem</th>
<th>bytes</th>
<th>quota</th>
<th>limit</th>
<th>grace</th>
<th>files</th>
<th>quota</th>
<th>limit</th>
<th>grace</th>
</tr>
</thead>
<tbody>
<tr>
<td>/projects</td>
<td>1T</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>4K</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>/scratch</td>
<td>457T</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>4M</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>/u</td>
<td>831G</td>
<td>1000G</td>
<td>1T</td>
<td>-</td>
<td>274K</td>
<td>5M</td>
<td>10M</td>
<td></td>
</tr>
</tbody>
</table>
```

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**Project_group_quotas**

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```bash
[ /scratch ]
Group  bytes  quota  limit  grace  files  quota  limit  grace
PRAC_jnf  76T   488T   537T  -     114K  100M   0     
```

```bash
[ /projects ]
Group  bytes  quota  limit  grace  files  quota  limit  grace
PRAC_jnf  644G  5T     5T    -     0K    50M    0     
```

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Nearline Quota Information for user

```bash
gbauer  Used:  115G  of  5T  Assessed on:  Sat Feb  7 17:03:08 2015
```

Nearline Quota Information for groups

```bash
jnd  Used:  1218T  of  4000T  Assessed on:  Sat Feb  7 17:03:08 2015
```
Additional Information

• No limit on number of users in a project
• Email notification at 3 thresholds for usage and expiration.
• Grace period access to system after project expiration. Can be extended upon request.
• Project serial number (PSN) has a prefix to allow quick identification of allocation process: PRAC_, ILL_, GLCPC_, etc. The PSN is used for Unix groups, PBS account charging.
Changes to Account

• Change shell
  • send email to help+bw@ncsa.illinois.edu

• Change email address
  • Go to portal.

• Any other requests
  • send email to help+bw@ncsa.illinois.edu
Compute allocation considerations

- Use the low queue when possible.
- Inquire with allocation point of contact if running low.
- Periodically check usage.
- Make sure team members monitor their usage.
Storage Quota Considerations

- Check file system and Nearline usage periodically.
- Increase in file system quota
  - send email to help+bw@ncsa.illinois.edu
- Increases in project quotas not personal quotas
  - Short term for scratch
  - Online project space has a cap.
  - Nearline project needs justification but no cap.
Project Expiration Considerations

• Track approaching end date.
• Note renewal or new allocation deadlines.
• Data Management Plan
  • [https://bluewaters.ncsa.illinois.edu/apps/bwdataplan](https://bluewaters.ncsa.illinois.edu/apps/bwdataplan)
  • Provides up to 3 months grace period.