

BLUE WATERS

SUSTAINED PETASCALE COMPUTING

Accounts and Allocation Management



GREAT LAKES CONSORTIUM
FOR PETASCALE COMPUTATION

CRAY®

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.

Secure Logon

Log On

Log on with your RSA SecurID passcode. If you have lost your token, contact your help desk or

Log On

User ID: gbauer

Authentication Method: Passcode

Passcode:

[What's a valid passcode?](#)

Cancel

Log On

Account

- Portal Functions
 - Account management
 - Assign a delegate
 - Changing account information
 - Check usage
 - Check storage
- Blue Waters Command line
 - Checking usage
 - Checking storage quota

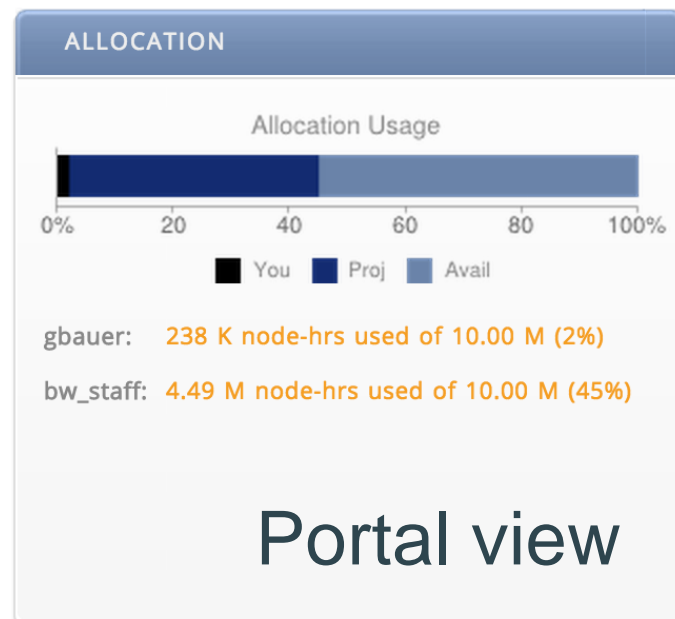
The screenshot shows a web interface for account management. On the left is a vertical navigation menu with the following items: SUMMARY, JOBS, YOUR TICKETS, LIVE CHAT, MANAGE USERS (highlighted), CALENDAR, and REPORTS. The main content area is titled 'YOUR PROFILE' and contains a 'STATUS KEY' section. This section lists three account states: 'confirmed', 'active', and 'inactive', each with a corresponding description of the user's status.

STATUS KEY	
confirmed:	User has completed account application form, been confirmed by PI, and awaits final processing by Blue Water
active:	User is active for this project on Blue Waters
inactive:	User no longer has an active account for this project

Usage

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

Staff(bw_staff)



```
> usage -u gbauer
```

Proj	Mach	Login	Usage	Status	Proj_alloc	Proj_usage	Proj_expire	Name
bw_seas	bw	gbauer	0.00	Active	1.00	0.00	04/02/2018	Bauer, Gregory
bw_staff	bw	gbauer	237788.86	Active	9999999.00	4487521.24	04/02/2018	Bauer, Gregory
jnd	bw	gbauer	4594.72	Active	9999999.00	41810.97	04/02/2018	Bauer, Gregory
jnx	bw	gbauer	0.00	Active	9999999.00	0.00	04/02/2018	Bauer, Gregory
joj	bw	gbauer	3609.53	Active	9999999.00	1391075.58	12/31/2018	Bauer, Gregory
PRAC_jnf	bw	gbauer	0.00	Active	31500000.00	4921304.42	12/31/2016	Bauer, Gregory
TRAIN_js1	bw	gbauer	0.00	Active	500.00	32.00	10/15/2014	Bauer, Gregory

Quota and use of online and Nearline storage

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

```
=====
```

[gbauer].....							
Filesystem	bytes	quota	limit	grace	files	quota	limit
/projects	1T	0	0	-	4K	0	0
/scratch	457T	0	0	-	4M	0	0
/u	831G	1000G	1T	-	274K	5M	10M

Project_group_quotas

```
=====
```

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

```
=====
```

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

Nearline Quota Information for user

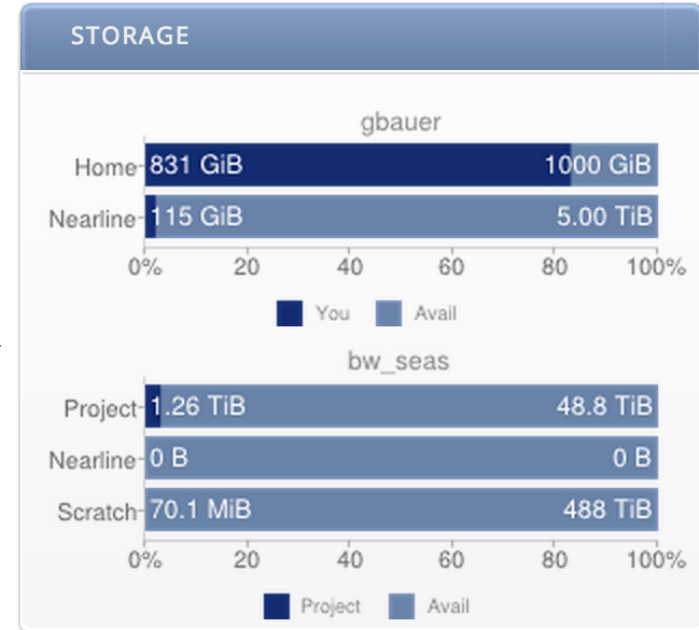
```
=====
```

gbauer	Used:	115G	of	5T	Assessed on:	Sat Feb 7 17:03:08 2015
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Nearline Quota Information for groups

```
=====
```

jnd	Used:	1218T	of	4000T	Assessed on:	Sat Feb 7 17:03:08 2015
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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>
 - Provides up to 3 months grace period.