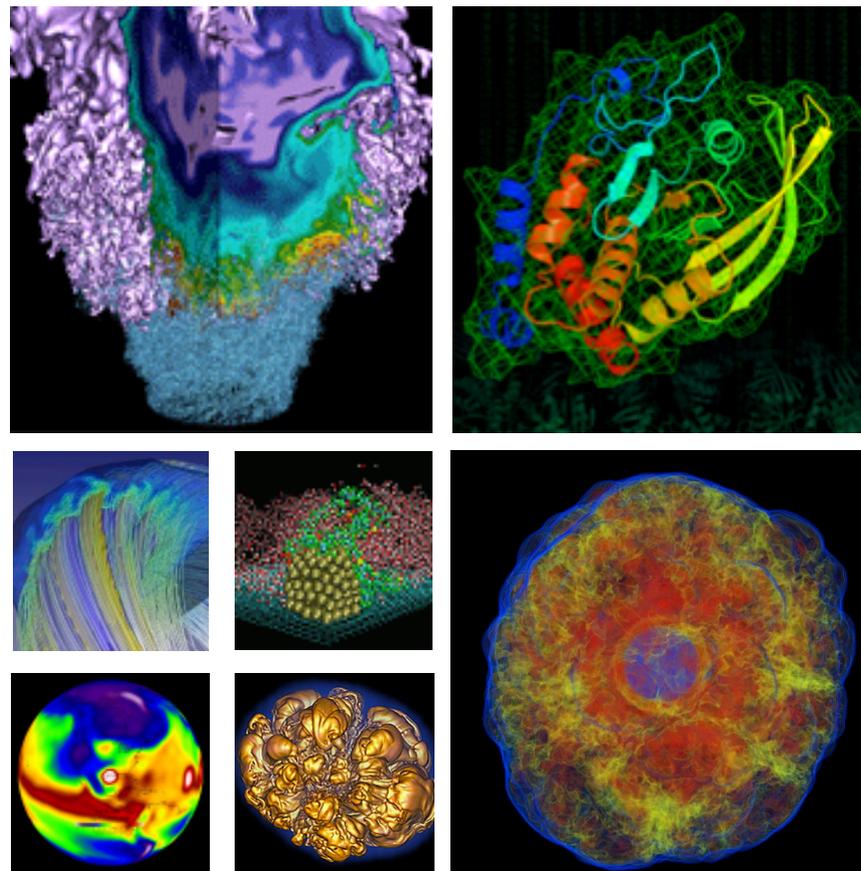


# Accounts and Allocations



**David Turner**  
User Services Group

September 10, 2013

## There are two types of *accounts* at NERSC.

1. Your personal, private account
  - Associated with your *login* or *user name*
  - Identifies you to our systems and used when logging in to NERSC systems and web services
  - Your project's Principal Investigator (PI) or Project Manager requests an account for you
  - Four primary account *roles*
    - PI, PI Proxy, Project Manager, User
2. An allocation account, or *repository* (aka *repo*)
  - Like a bank account you use to “pay” for computer time
  - PIs request allocations of time and/or storage
  - An individual user may belong to more than one repository
    - But only one *default repo*

# Allocations



- **You must belong to a repo to run jobs at NERSC**
- **Project PIs apply through the *ERCAP* process**
  - Typically late summer
  - Reviewed and awarded by DOE Science Offices
  - Most allocations are awarded in the fall
    - Allocation year starts in January
    - Small startup allocations are awarded throughout the year
- **Additional time is available through ALCC and NERSC “Director’s Reserve”**

# Running Out of Time



- **User**
  - PI determines a percentage of the repo's allocation for each user
    - Can easily exceed 100%
  - If user runs out of time, contact PI to increase percentage
- **Repo**
  - If repo runs out of time, contact PI to contact appropriate DOE Science Office
    - Each Office typically holds a certain amount of time in reserve

# NIM – NERSC Information Management



- **Web-based tool for user and repo management**
  - Check daily balance, change password, change login shell, update contact information, etc.

<http://nim.nersc.gov>



NERSC Information Management

**Please sign in**

NERSC Username:

NIM Password:

[Reset your NIM password.](#) | [Forgot your username?](#)

**Log In**

# NIM Controls



- **Drop-down menus**

USG TestAccount | [Logout](#) | [Change My Password](#)

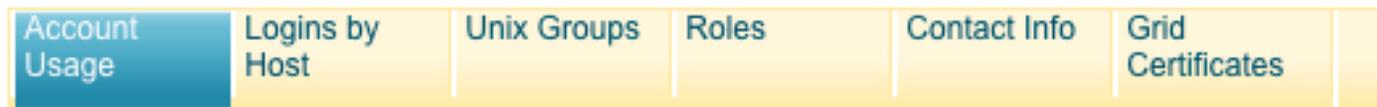
Quick Search:



- **Actions**

- password, shell, HPSS token, default repo

- **Tabs**



USG TestAccount

# Account Usage



## Account Usage Summary

Resrc	Repo	User_id	Login	Login Type	User Hrs Used	User Charged	Avg CF	% Used	% Allowed	User Balance	Last Charged On	Base Repo?	Dflt Now?
MPP	mpccc	17931	dpturner	Authorized	6,219	6,178	1.0	0.1	10	993,822	08-SEP-13	Y	Y
MPP	matcomp	17931	dpturner	Authorized	1,430	1,430	1.0	0.0	1.0	228,570	05-SEP-13	N	N
MPP	usplanck	17931	dpturner	Authorized	447	447	1.0	0.0	5	384,553	03-SEP-13	N	N

# Password Policies

---

- **Must be changed every six months**
- **Must contain *at least* eight characters**
- **Must contain *at least* one of each of:**
  - upper-case letter
  - lower-case letter
  - numeric digit
  - “special” character (! @ # \$ % ^ & etc.)
- **Don’t use common words, names, etc.**
- **Account locked after 5 consecutive login failures**
  - Login to NIM to clear login failures
    - Call NERSC Account Support for more help

# Password Examples



- **Good**

j#K01vz\$euP@!udls

- **Bad**

P@ssw0rd

- **My favorite method**

1. **computer security is very important for nersc users**
2. **csivifnu**
3. **C\$1v1fnu**

# Password Security

---



- **DO NOT SHARE PASSWORDS!**
  - Ask NERSC Consulting for help for collaboration
- **Report suspected compromise IMMEDIATELY!**
  - NERSC account/systems
  - Your local account/systems
  - [security@nersc.gov](mailto:security@nersc.gov)

**DO NOT SHARE PASSWORDS!**

# Resources



- **Self Help**

<http://www.nersc.gov/users/accounts/>

<http://www.nersc.gov/users/accounts/user-accounts/>

<http://www.nersc.gov/users/accounts/user-accounts/account-policies/>

<http://www.nersc.gov/users/accounts/allocations/>

<http://www.nersc.gov/users/accounts/nim/>

<http://nim.nersc.gov>

- **NERSC Account Support**

<http://help.nersc.gov>

[accounts@nersc.gov](mailto:accounts@nersc.gov)

**1-800-66-NERSC, menu option 2**



**National Energy Research Scientific Computing Center**