



# Account and Allocation Management

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*LONI High Performance Computing Workshop – University of New Orleans  
March 29-30, 2010*





# Account and Allocation Web Interface

- LONI: **allocations.loni.org**
- This is where you
  - Request accounts
  - Request and manage allocations
  - Update contact information
  - Reset password





# Who Is Eligible for A LONI account

- Faculty or research staff members from one of the LONI's member institutions
- Students working with a faculty or research staff member from one of the LONI's member institutions
- Researchers who collaborate with a faculty or research staff member from one of the LONI's member institutions
- Faculty members from other Louisiana universities may apply for an account as well
  - Needs approval from the LONI executive director





# Account Application Procedure

- Go to the allocation web site and click on “request login”
- Type in your email address and the image code
  - The email needs to be an institutional one
  - The likes of hotmail and gmail will not be accepted
- You will receive an email with a link to the real form
- Fill out the form and submit
  - “LONI Contact/Collaborator”: this is your adviser if you are a student, or yourself if you are a faculty member
- Your account will be activated after your information is confirmed
  - May take up to a week





# Account Policy

- No account sharing is allowed
  - An account is for one user only
  - Every person who will use the cluster needs to apply for their own account
- Your account is subject to deactivation once your affiliation with LONI member institutions terminates
- Penalties
  - Account suspension
  - Loss of allocation

[https://docs.loni.org/wiki/LONI\\_Policies#tab=Allocation\\_and\\_Account\\_Policy](https://docs.loni.org/wiki/LONI_Policies#tab=Allocation_and_Account_Policy)





# Password Reset Procedure

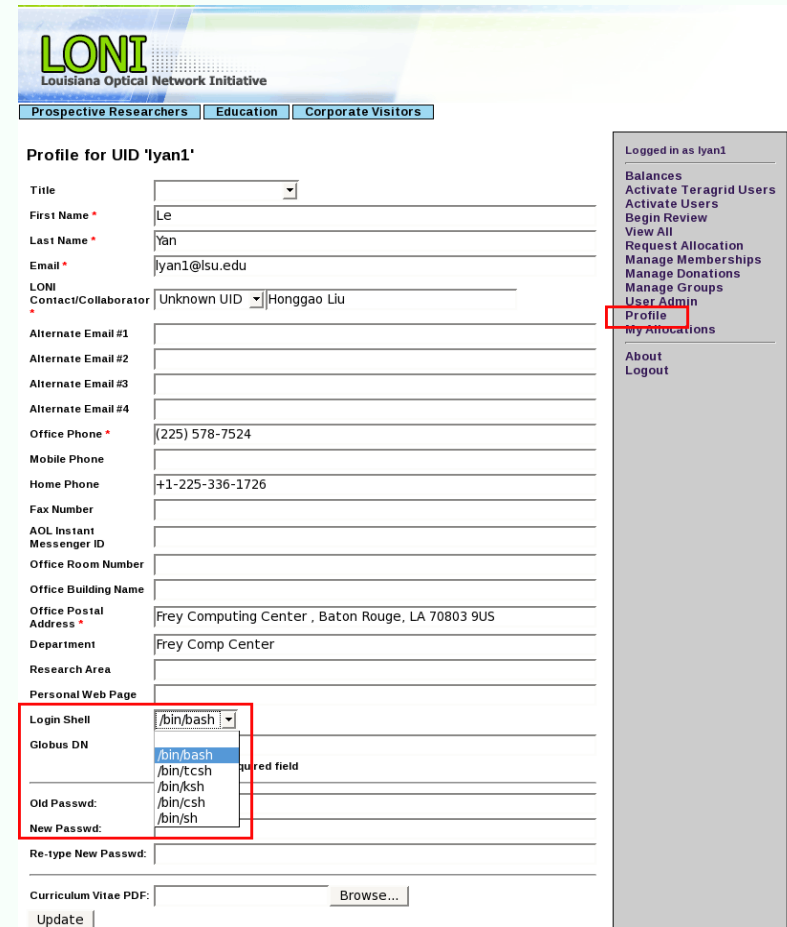
- Go to the allocation website and click on “forgot your password?”
- Type in the image code and your email address
  - The email address must be the one you used to apply for the account
- You will receive an email with a link to the reset form
- Type the new password and submit
- A system administrator will approve your password reset
  - May take a short while





# Changing Login Shell

- “Profile” menu item
- Supported shells
  - bash
  - tcsh
  - csh
  - ksh
  - sh
- “chsh” and “ypchsh” do not work



**LONI**  
Louisiana Optical Network Initiative

Prospective Researchers | Education | Corporate Visitors

Profile for UID 'lyan1'

Title:

First Name:

Last Name:

Email:

LONI Contact/Collaborator:  |

Alternate Email #1:

Alternate Email #2:

Alternate Email #3:

Alternate Email #4:

Office Phone:

Mobile Phone:

Home Phone:

Fax Number:

AOL Instant Messenger ID:

Office Room Number:

Office Building Name:

Office Postal Address:

Department:

Research Area:

Personal Web Page:

Login Shell:  (dropdown menu open showing: /bin/bash, /bin/tcsh, /bin/ksh, /bin/csh, /bin/sh)

Globus DN:

Old Passwd:

New Passwd:

Re-type New Passwd:

Curriculum Vitae PDF:

Logged in as **lyan1**

- Balances
- Activate Teragrid Users
- Activate Users
- Begin Review
- View All
- Request Allocation
- Manage Memberships
- Manage Donations
- Manage Groups
- User Admin
- Profile**
- My Allocations
- About
- Logout





# Allocation

- An allocation is a block of service unit (SUs) that allow a user to run jobs on a cluster
  - One SU is one cpu-hour
  - Example
    - 40 SUs will be charged for a job that runs 10 hours on 4 cores
  - Now there is another type of allocation: storage allocation
    - We will discuss the details
- Enforced on all LONI clusters





# Types of Allocations

- Startup
  - Less than or equal to 50k SUs
  - Applications reviewed by local allocation committee member
  - Decision will be made within two weeks after submission
  - Good for one year
- Large
  - Greater than 50k SUs
  - Applications reviewed by LONI allocation committee during the quarterly meeting
  - Decision will be made on January 1, April 1, July 1 and October 1 of each year
  - Good for one year





# Requesting A New Allocation

- The principal investigator must be a faculty or research staff member from one of the LONI member institutes
- Procedure
  - Click on “request allocation”
  - Click on “new allocation”
  - Fill out the form and submit
    - You must submit a proposal along with a large allocation request
    - Need to specify how many SUs are needed on each platform
      - IBM AIX clusters
      - Dell Linux clusters





# Joining An Existing Allocation

- Any user can join an existing allocation
- Procedure
  - Click on “request allocation”
  - Click on “join allocation”
  - Enter the name, email address or user name of the allocation PI to search for the allocation you want to join
  - Click on the "Join Projects" button
  - The allocation PI will receive an email regarding to your request and you can use the allocation after the PI approves the request





# Manage An Allocation

- “Manage membership” menu item
  - Add a user to allocation
  - Remove a member from allocation
  - Make a current member allocation administrator
- “Manage donation” menu item
  - Donate the remaining time on any allocation you administer to any other allocation that you are currently able to use





# When An Allocation Expires

- Allocations are NOT extensible
  - Donate the time if necessary
- When submitting a new allocation request
  - The content can be copied from the previous requests
    - “My allocations” -> “Clone/edit”
  - The committee is likely to ask for a brief report, especially if it is not the first request for the project
    - “My allocations” -> “Report”
  - If you use up a couple of startup allocations in a short period of time, be prepared to apply for a large one
    - Plan ahead as large allocations are reviewed quarterly





# Checking Allocation Balance

- Use the allocation web interface
  - The “Balances” menu item lists the balances of all allocations of which you are currently a member
- Use the “balance” command on a cluster

```
[lyan1@painter2 packages]$ balance
===== Allocation information for lyan1 =====
  Proj. Name|          Alloc|  Balance| Deposited|    %Used| Days Left|          End
-----|-----|-----|-----|-----|-----|-----
loni_loniadmin1|loni_loniadmin1| 37320.35| 100000.00|    62.68|      21|2009-10-01
loni_train09|loni_train09 on @Dell_Cluster| 39658.21| 40000.00|    0.85|     113|
2010-01-01
```

Note: Balance and Deposit are measured in CPU-hours





# New: Storage Allocation

- A storage allocation allows users to access extended storage on the /project space on Queen Bee
- Duration
  - Typical 6 months, but...
  - **Two months** before an allocation expires, the user will be notified by email and may request to have the allocation extended
  - Extension requests should be submitted **at least one month** prior to expiration to allow decision and planning time
  - If the storage allocation is not extended, the user will have **one month** after the expiration date to off-load their data.
- How to request
  - [allocations.loni.org](http://allocations.loni.org) -> Request storage alloc.

[https://docs.loni.org/wiki/LONI\\_Policies#tab=Storage\\_Policy](https://docs.loni.org/wiki/LONI_Policies#tab=Storage_Policy)

