

# Chapter 1: User Tasks

**In this section we will cover the basic tasks that users perform:**

- ✓ Register for an account
- ✓ Request group access
- ✓ Reset a lost password
- ✓ Update account information
- ✓ Run/Launch an experiment
- ✓ Request help

## Register for an account

Registering for an iLab account gives users access to the experiments in their group.

1. Using any standard web browser connected to the internet and type in the URL of your local Service Broker. We recommend using Microsoft Internet Explorer version 7 or greater.
2. On the iLab home page, scroll down towards the bottom of the page and click on the "register here" link.

Merged iLab Service Broker

Home Help

### Welcome to iLab

iLab is dedicated to the proposition that online laboratories - real laboratories accessed through the Internet - can enrich science and engineering education by greatly expanding the range of experiments that the students are exposed to in the course of their education. Unlike conventional laboratories, iLabs can be shared across a university or across the world. The iLab vision is to share lab experiments as broadly as possible within higher education and beyond. The ultimate goal of the iLab project is to create a rich set of experiment resources that make it easier for faculty members around the world to share their labs over the Internet.

- [Read more about iLab](#)

Username

Password

[Log in](#)

If you don't have an account, [register here](#).  
Let us know if you [lost your password](#).

**System News and Messages**

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3. Enter your information into the registration form. If you are part of a group or class, please remember to select the group name from the "Requested Group" pull down list.

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### Register

Fill out the form below to register for an iLab account. You will be emailed a confirmation.

Username

First Name

Last Name

Email

Affiliation

Requested Group

Password

Confirm Password

Purpose for requesting account

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Field Name	Field Description
Username	Users can pick their own user name using any UTF-16 characters.
First Name	User's first name
Last Name	User's last name
E-mail	User's e-mail address. It is important that a valid e-mail is associated with each user account.
Affiliation	Choose the appropriate description, choices include Student, Staff/Faculty, Guest, and Other; If the users chooses other, they should explain in the comment field "Purposes for requesting account".
Requested Group	This drop down list contains the list of groups that can be requested. Users who want to request multiple groups can do so once their account has been created.
Password	User's password. User password cannot be recovered. There is an automated utility for resetting a user's password and emailing it to the email address associated with the account.
Purpose for requesting account	This field is optional. Users can type their purposes for creating account or any other comments.

4. Click on the Submit button at the bottom of the form when you have finished entering your information.
5. You will receive an email when your account has been activated. Please be patient, account activation can take between 24-48 hours.

## Request group access

Sometimes iLab users will need access to more than one experiment group. There is no reason to create a separate account for each class. Users just need to request access to a new group.

1. Use any standard web browser connected to the internet and type in the URL of your local Service Broker.
2. From the iLab home page log in to your account.
3. Once logged in, select the My Account tab from the main menu.



4. On the My Accounts page, select the “Request membership in a new group” link on the right side.

5. Select the new group(s) from the list of available groups on the left side and click on the Request Membership button.

**Merged iLab Service Broker** User: jtest

[Home](#) [My Account](#) [Help](#) [Log out](#)

### Request Membership in a New Group

Select the group(s) you'd like to join below.

- ☐ **Guest\_Users**  
Associated Labs
- ☒ **OCW\_Users**  
Associated Labs
- ☐ **Fall 2010 6.012 Students**  
Associated Labs

**Request Membership**

**More Information**

You are currently a member of the following group(s): **NewUserGroup**

You have requested membership in the following group(s): **No group**

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6. You will see the group(s) you have requested membership listed on the right side.

**Merged iLab Service Broker** User: jtest

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### Request Membership in a New Group

Select the group(s) you'd like to join below.

☐ **Guest\_Users**  
Associated Labs

☐ **Fall 2010 6.012 Students**  
Associated Labs

[Request Membership](#)

**More Information**

You are currently a member of the following group(s): **NewUserGroup**

You have requested membership in the following group(s): **OCW\_Users**

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7. Your request will be sent to the administrator for approval. Approvals can take 24-48 hours to process.

### Reset a lost password

Occasionally users will forget their password and need it to be reset.

1. Using any standard browser connected to the internet, type in the URL of your local Service Broker. Click on the lost your password link.

**Merged iLab Service Broker**

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- [Read more about iLab](#)

Username

Password

[Log in](#)

If you don't have an account, [register here](#).  
Let us know if you [lost your password](#).

**System News and Messages**

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2. Enter your iLab username and email address. Please note that the entered email address must match the email address in the iLabs database.

**Merged iLab Service Broker**

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### Lost Password

Submit your username and email information. A random password will be generated and emailed to you.

Username

Email

[Submit](#)

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3. Click on the Submit button at the bottom of the form when you have finished entering your information.
4. You will receive an email with a new password.

### **Update account information**

Periodically, users need to update their personal information or email address. This can be done from the My Accounts tab.

1. Use any standard web browser connected to the internet and type in the URL of your local Service Broker.
2. From the iLab home page log in to your account.
3. Once logged in, select the My Account tab from the main menu.



4. On the My Accounts page, update your information. Please note that usernames can not be changed.

Merged iLab Service Broker

User: jtest Group: Guest\_Users

Home

My Labs

My Experiments

My Account

Help

Log out

## My Account

You can edit your account information below.

---

### Edit Account Information

Complete all fields below to change your account information. You will be emailed a confirmation.

Username

jtest

First Name

Joe

Last Name

Test

Email

kirky@mit.edu

New Password

Confirm New Password


Save Changes

### More Information

You are currently a member of the following group(s): **Guest\_Users**

You have requested membership in the following group(s): **OCW\_Users**

[Request membership in a new group.](#)

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Contact info here. [Privacy](#)

- Click on the Save Changes button when you have finished updating your information.

## Run/Launch an experiment

1. Using any standard browser connected to the internet, login to your local Service Broker.
2. If you are part of several groups, you will automatically be directed to the My Groups page. Please note that if you are only part of one group, you will not see the My Groups page.
3. Click on a group link to select the group.



4. If the experiment does not require scheduling, you are ready to launch the experiment. Click on the Launch button to run the experiment client.

The screenshot displays the 'Merged iLab Service Broker' web application. At the top, a teal header bar contains the title 'Merged iLab Service Broker' on the left and the user information 'User: atest Group: Experiment\_Group' on the right. Below the header is an orange navigation bar with links: 'Home', 'My Groups', 'My Labs' (which is highlighted), 'My Experiments', 'My Account', 'Help', and 'Log out'. The main content area has a light beige background. It features a section titled 'My Labs' with the subtitle 'Group: Experiment\_Group'. Below this, there is a light blue box on the left containing details for a lab client: 'Lab Client: Terabyte Time Of Day Demo Client', 'Version: 1.6', 'Description: Terabyte Time Of Day Demo Client with Dolphin image', and 'Contact Email:'. A yellow 'Launch Lab' button is positioned at the bottom of this box. To the right of the blue box is a light orange box titled 'Messages for Terabyte Time Of Day Demo Client'. It contains a message with the title 'terabyte lab server', the text 'message: terabyte lab server', and a timestamp 'Date Posted: 8/30/2010 9:53:43 AM'. At the bottom of the page is a dark gray footer bar. On the left, it features the MIT logo and the text 'MASSACHUSETTS INSTITUTE OF TECHNOLOGY'. On the right, it says 'Contact info here.' followed by a link to 'Privacy'.

Merged iLab Service Broker

User: atest Group: Experiment\_Group

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### My Labs

Group: Experiment\_Group

**Lab Client: Terabyte Time Of Day Demo Client**

Version: 1.6

Description: Terabyte Time Of Day Demo Client with Dolphin image

Contact Email:

Launch Lab

**Messages for Terabyte Time Of Day Demo Client**

title: terabyte lab server  
message: terabyte lab server  
Date Posted: 8/30/2010 9:53:43 AM

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5. If the experiment requires scheduling, you will see a Schedule/Redeem Session button. Click on the Schedule/Redeem Session button.

**Merged iLab Service Broker** User: kringer Group: Spectrometer\_Group

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### My Labs

Group: Spectrometer\_Group

**Lab Client: Neutron Spectrometer Experiments**

Version: 1.0

**Description:**

\*\*\* Use of these experiments require 24 hours advance notice so that the beamport can be opened. Please email [kirky@mit.edu](mailto:kirky@mit.edu) to arrange for the experiments to be setup. \*\*\*

The experiment cameras 1 & 2 require a username and password. Please use "student" for the username and "2208" for the password.

Contact Email: [kirky@mit.edu](mailto:kirky@mit.edu)

**Schedule/Redeem Session**

NI LabView Run Time Engine Experiment Website

Spectrometer Camera 1 Spectrometer Camera 2

**Messages for Spectrometer\_Group**

Welcome to the Spectrometer Experiment Group! Please contact [kirky@mit.edu](mailto:kirky@mit.edu) should you have any questions or problems.

Date Posted: 9/21/2009 5:33:34 PM

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6. On the Scheduling Server, select the reservation for the current time slot.

User Side Scheduling Server

User: kringer Group: Spectrometer\_Group

Reservation

To ServiceBroker Help

Select the date that you would like to schedule a reservation.

Times shown are GMT: -4

Select the day you would like to reserve time.

<	October 2009							>
Sun	Mon	Tue	Wed	Thu	Fri	Sat		
27	28	29	30	1	2	3		
4	5	6	7	8	9	10		
11	12	13	14	15	16	17		
18	19	20	21	22	23	24		
25	26	27	28	29	30	31		
1	2	3	4	5	6	7		

The reservations you have made for this experiment:

10/9/2009 12:30:00 AM <--> 10/9/2009 1:00:00 AM

Redeem Reservation

Remove Reservation

Back To Service Broker

- Click on the Redeem Reservation button to begin.

User Side Scheduling Server

User: kringer Group: Spectrometer\_Group

Reservation

To ServiceBroker Help

Select the date that you would like to schedule a reservation.

Times shown are GMT: -4

Select the day you would like to reserve time.

<	October 2009							>
Sun	Mon	Tue	Wed	Thu	Fri	Sat		
27	28	29	30	1	2	3		
4	5	6	7	8	9	10		
11	12	13	14	15	16	17		
18	19	20	21	22	23	24		
25	26	27	28	29	30	31		
1	2	3	4	5	6	7		

The reservations you have made for this experiment:

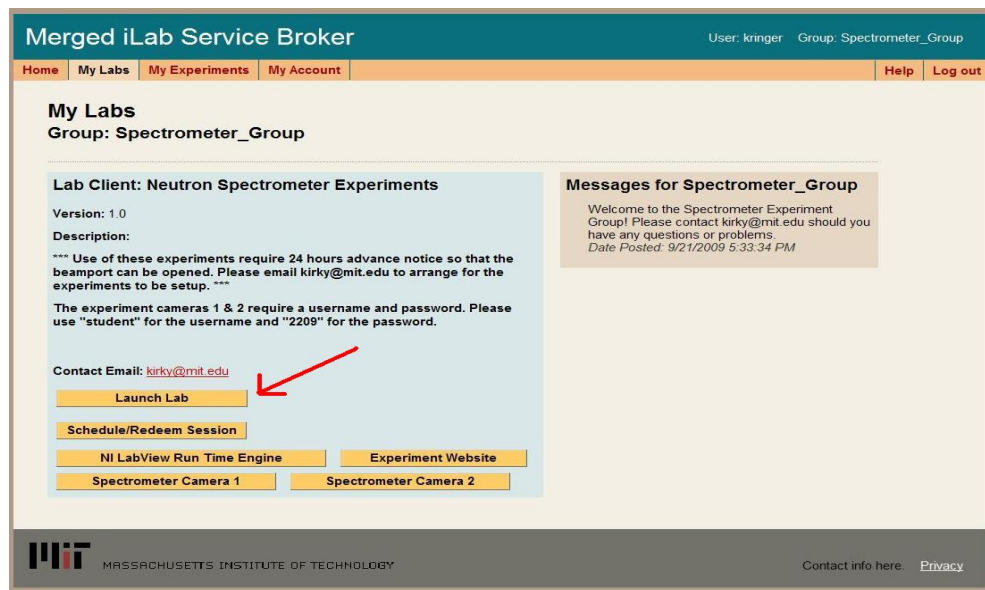
10/9/2009 12:30:00 AM <--> 10/9/2009 1:00:00 AM

Redeem Reservation

Remove Reservation

Back To Service Broker

- Back on the My Labs page, you will now have a Launch button. Click on the Launch button to run the experiment client.



## Retrieve experiment results

1. Using any browser connected to the internet, login to your local Service Broker.
2. Click on the "My Experiments" tab in the main menu.



3. In the Search Experiments form in the left hand column, use the scroll bar to select an experiment based on the date and time it was run.



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User: kirky Group: Spectrometer\_Group

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## My Experiments

View your experiment records by entering a time range and then selecting an experiment below.

### Search Experiments

Time -- Select One --

Search Experiments

Select Experiment

Neutron Spectrometer Experiments 10/2/2009 1:24:48 PM

Neutron Spectrometer Experiments 10/2/2009 1:25:25 PM

Neutron Spectrometer Experiments 10/2/2009 1:26:43 PM

Neutron Spectrometer Experiments 10/2/2009 7:45:10 PM

Neutron Spectrometer Experiments 10/2/2009 7:45:45 PM

Neutron Spectrometer Experiments 10/2/2009 7:56:10 PM

Neutron Spectrometer Experiments 10/2/2009 8:05:13 PM

Neutron Spectrometer Experiments 10/2/2009 8:08:42 PM

Neutron Spectrometer Experiments 10/2/2009 8:09:49 PM

### Experiment Summary

Experiment ID

Lab Client Name

Lab Server Name

User Name

Effective Group Name

Status

Submission Time

Completion Time


Total Records

Annotation

Save Annotation

Display Experiment Data

Delete Experiment

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