



*Neuroinformatics Base Platform System*

*XooNIps*

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**XooNIps Version3.4**

**Neuroinformatics Base Platform System**

**May 8th, 2009**

# **XooNIps Version3.4: Neuroinformatics Base Platform System**

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# Chapter 1. Overview

## 1.1. What is XooNips ?

XooNips is easy-to-use software that can facilitate to build a database website to organize enormous volume of information in various types of electronic formats, such as text files, URLs and research papers along with the metadata, and to share them users worldwide on the internet.

- XooNips helps you, even non-experts of computer systems, create a database.
- XooNips does not bother you with thinking of logic or structure of the website; thus allows you to concentrate on web designing.
- XooNips is mounted functions for quality control.

This software was originally developed as a neuroinformatics tool for neuroscientists who necessarily make full use of immense and complex materials, such as experimental data, mathematical models, simulation programs and instrument data.

Neuroinformatics is an emerging research field where neuroscience and informatics are combined to breakthrough the enigma of the brain. In November 2005, International Neuroinformatics Coordinating Facility (INCF) was established for facilitating international collaborations to conquer the challenges in this interdisciplinary field. Under these circumstances, the Laboratory for Neuroinformatics, RIKEN BSI, embarked on developing XooNips, and it has expanded the number of users to even other academic fields.

Since XooNips is open source (free) software and has been improved to be open up to everyone who is interested in online information sharing, lately it has been used as an institutional repository system by universities and other institutions as well as a neuroinformatics tool.

As of April 2007, the Neuroinformatics Japan Center (NIJC), RIKEN BSI, has taken over the responsibility for XooNips operations including the maintenance of extended functions (add-ons).

## 1.2. Main features

### 1.2.1. Flexible database construction

#### 1.2.1.1. Set up the operation environment

The site's operation environment, (ex. manner of user registration and item publication, etc.) can be easily set up by following the directions given on the Administration screen. You will simply choose the most appropriate one from the pulldown lists.



Figure 1.1. Administration screen

Examples:

- User registration
  - [Certification by moderators] (The moderator will check the profile of the new user).
  - [Certify automatically]
- Item publication
  - [Certification by moderators] (The items will be peer reviewed)
  - [Certify automatically]

### 1.2.1.2. Publication levels / areas for different purposes

- Public
  - Public area: The items registered in this area will be publicized broadly to the public.
  - To register items in the public area, it is necessary to request for the site moderator's certification.
- Group
  - Group area: Access to this area is restricted to a group of registered users.
  - To register items and share them among the group, it is necessary to request for the group administrator's certification.
- Private
  - Individual area: registered users (given a user ID and password) can use this area just like a personal folder.

### 1.2.1.3. CMS XOOPS(The base system of XooNlps)

The following are the benefits from using XOOPS.

- Reduce the costs for system construction and operation.
  - XOOPS is open software (enables free downloading).
- Expand the functionality.
  - XOOPS modules offer wide varieties of site design.
- Allow to change visual effects easily.
  - XOOPS templates (themes) enable to easily change the visual effects such as layout, etc.

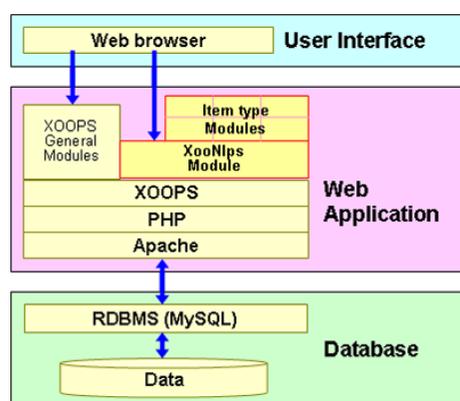


Figure 1.2. CMS system

## 1.2.2. Data classification

### 1.2.2.1. Data classification by item type

XooNips is designed to support a variety of item types (12 different data formats). Besides, it provides advanced features to apply to emerging formats.

### 1.2.2.2. Index trees to classify / manage items

The items will be organized by the Index Tree. The Index Tree consists of the following publication areas: Public, Group and Private. Each of the areas consists of keywords so that the items can be logically and effectively sorted.

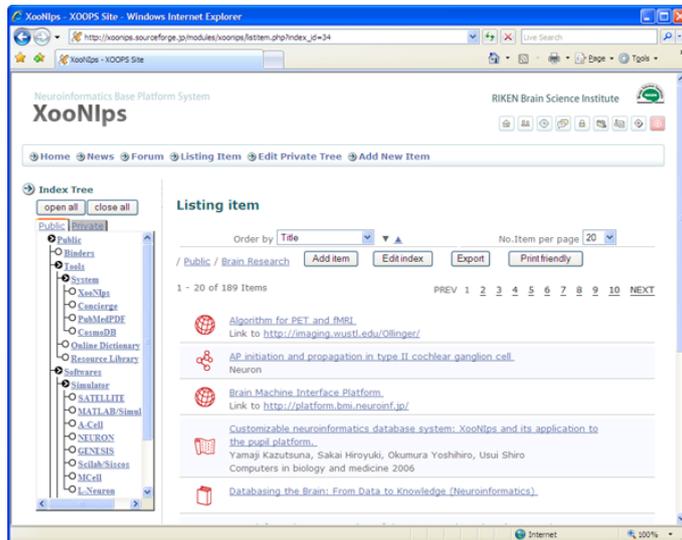


Figure 1.3. XooNips

### 1.2.2.3. Data search

The following search options are available on XooNips.

- Directory search by index trees
  - Choose an index tag (public, group and private) to view the item list.
- Keyword search
  - Choose a keyword at the default field.
- Detail search
  - Specify a search condition on each item type field.

## 1.2.3. Quality-maintenance workflow

### 1.2.3.1. Certification system for new user registrations

To obtain a new account, the requester has to be checked / identified by the moderator to decide whether or not to certify the user as a registered user.

To prevent from malicious users.

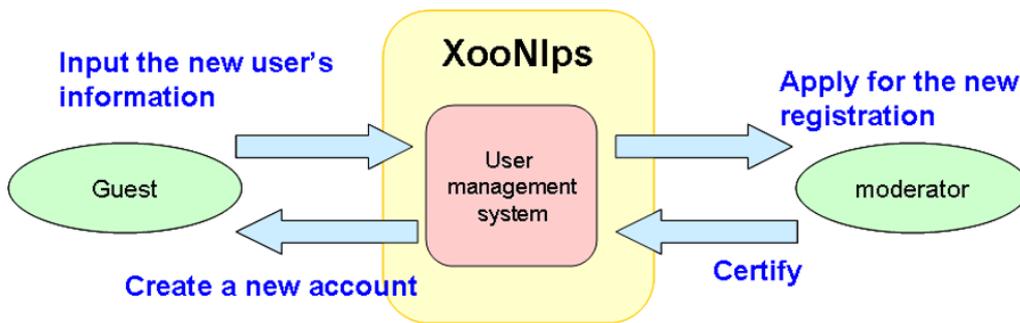


Figure 1.4. User registration

### 1.2.3.2. Item peer-review system

The items to be registered and shared in the public and a group area have to be peer-reviewed by the moderator or group administrator. (Optional)

To manage quality control

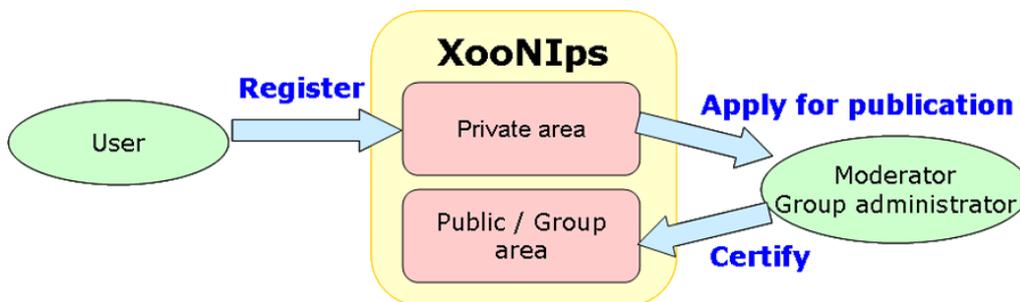


Figure 1.5. peer-review system

### 1.2.4. Metadata distribution

#### 1.2.4.1. Simultaneous search across different external database sites

- Enable to obtain metadata complying with OAI-PMH
- Mounted repository and harvester.
- Metadata format
  - Apply to OAI-DC, JUNII, JUNII2

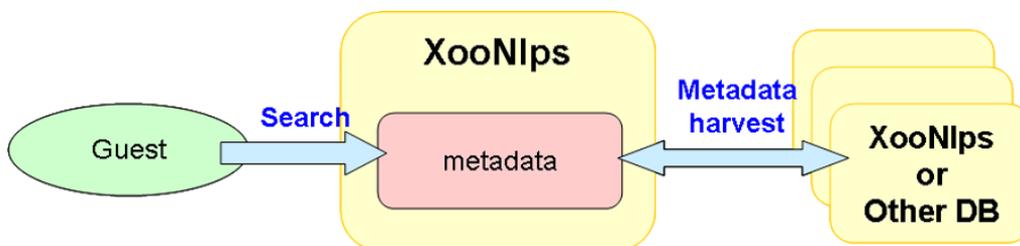


Figure 1.6. Metadata distribution

### 1.2.5. Variety of accessory functions

#### 1.2.5.1. Improve the site operation efficiency

- Import and export
  - Register items in the block
  - Download items in the block
- Access log analysis
  - Download event logs
  - Download logs classified by event or period and present them in a graphic chart
  - Check the current status of users and registrations

### **1.2.5.2. Enhance incentive**

- Introducing user's profile
  - User's job title
  - Biography
  - Achievements
- Ranking
  - New items
  - The most frequently browsed items
  - The most downloaded items
  - The user who publicized the most number of items
  - The most frequently used search keyword

# Chapter 2. Start guide

Before going on to the further chapters, learn the following five user's authorities on XooNIps (1.User's authority). Then, find which chapter you would start with the following chart (2.Navigator).

## 2.1. User's authority

Guest	Unregistered (Anonymous) users, not given user accounts, are allowed to: <ul style="list-style-type: none"> <li>• Browse and retrieve the data.</li> </ul>
Registered User	Registered users, given log-in IDs and passwords, are allowed: <ul style="list-style-type: none"> <li>• to search and browse the items registered in public, private and group shared areas</li> <li>• to register items in the private area assigned only to a registered user</li> <li>• to share items in the domain assigned only to a designated group</li> </ul>
Group Administrator	A special user who is responsible for the group domain management. The tasks are to: <ul style="list-style-type: none"> <li>• Manage the membership of his/her domain group</li> <li>• Edit the index in shared domains</li> <li>• Approve or reject items to share in his/her group domain</li> </ul>
*Moderator(web-master)	A special user who is responsible for quality control of the registered items and users, including to do: <ul style="list-style-type: none"> <li>• Approve a new user account</li> <li>• Edit Index Tree in the public domain</li> <li>• Create a new researcher group</li> <li>• Watch the site access logs</li> <li>• Approve or reject the items to open in the public domain</li> </ul>
*System Administrator	The commander of the site administration. <ul style="list-style-type: none"> <li>• Decide and configure the site policies on the database site</li> <li>• Elicit the collection of metadata from external databases</li> <li>• Import data with metadata from a local computer to the site; export items from the site to a local computer.</li> </ul>

\*XooNIps is a module of XOOPS. If you will perform as a Moderator/System administrator, please be prepared with the basic knowledge of XOOPS (This manual does not cover the basic information on XOOPS; please refer to guide books).

## 2.2. Navigator

Please read this chapter...	...if you...
Chapter 3: Installation of XooNIps	If you are going to build a database website. *Knowledge of XOOPS is a MUST. **Knowledge of Linux/Unix is a MUST.
Chapter 4: Site policy and maintenance	If you are going to be the Moderator for a brand-new XooNIps database website. *Knowledge of XOOPS is a MUST.
Chapter 5: How to operate a XooNIps database website	If you are going to access to/work on an existing XooNIps database site as a: 5.1. Guest 5.2. Registered guest

	5.3. Group administrator 5.4. Moderator 5.5. System administrator
Appendix:	Links of neuroinformatics related organizations, XooNIps database websites, and XooNIps based repository systems.

# Chapter 3. Installation of XooNlps

This chapter shows how to set the environment to use XooNlps.

## 3.1. Plan and design a website

Before building a website, it is fundamental to make specific plans on its potential users and purposes, etc.

### 3.1.1. Describe specific purposes of the website.

Specifically describe the website you are going to build.

Without specific purposes, the website can not draw attentions and nobody will visit it.

The chart below shows an example of planning.

Cause (Why)	The increasing needs of exchanging neuroscience related information and sharing them among lab staff members.
Effect: Intended purpose (What)	To share information regarding neuroscience and publish lab information.
Profiles of the potential users (Who)	Individual researchers as well as internal lab staff who are interested in neuroscience study and research.
Targeted areas (Where)	All Japan, worldwide, etc.
Release date/duration, etc. (When)	ddd/mmm/yyyy, unlimited duration, etc.
Resources (How)	Utilize CMS and open source software, etc.

### 3.1.2. Decide functions of the website

Decide what kind of functions are necessary to be implemented based on the planning.

XOOPS is operated various functions by the "modules".

Refer to the XOOPS official site, etc. and decide the necessary modules for the website. The following shows the examples of the module.

- BBS, forum, etc.
- Posting news articles
- Calendar
- Inquiry form
- Uploading other sites' contents by RSS.

### 3.1.3. Select software and hardware

Select specific software and hardware suitable for the website. Note: This manual explains under the condition that the website is to be built based on XOOPS and XooNlps.

### 3.1.4. Make a specification document

Decide the things described below according to the actual site operation.

Site URL and site name:

- Decide a URL in advance since it is necessary for installing XOOPS.

Decide modules:

- Decide the modules and their versions to be used on XooNlps.

How to activate user accounts:

Choose a manner of activating user accounts (registering a new user) from the following.

- By E-mailing to the user
- By automatic activation
- By the site administrator

Define required information for the user registration

These are examples of required information. Choose items from the list below.

- Real name
- Company Name
- Affiliation
- Address
- Zip code
- Telephone number
- Fax number

Define the initial value of disk capacity allocated for a registered user.

Define the maximum number of data, registered indexes, initial value of disk capacity for a registered user.

- Maximum number of registered data (initial value 500)
- Maximum number of registered indexes (initial value 200)
- Disk capacity (initial value 500 MB)

Define the initial value of disk capacity allocated for a group

Define maximum number of data, indexes, disk capacity allocated for a group.

- Maximum number of registered data (initial value 1000)
- Maximum number of indexes (initial value 500)
- Disk capacity (initial value 1000 MB)

Define the procedure of certifying data to be published

Choose a manner of certifying data to be published

- By moderator
- By automatic certification

Access limitation to the publication area

Choose an access limitation to the publication area from the list below.

- Permit only the registered users
- Permit all accesses including guest users

Define a file format for downloading attached files.

Choose a file format for downloading attached files.

- Compress data including metadata files as a zip file.
- Compress the registered data (without metadata) as a zip file

Decide the area of items to be viewed.

XooNIps refers the data to be published as the user's performance items.

Choose the area where the items will be viewed

- [Yes] Permit to choose from all data in the publishing areas.

- [No] Permit to choose only from the data registered by the user.

Setup for exporting:

Decide the permission of exporting. Choose [Yes] or [No] as below.

Moderators are exclusively permitted to export data regardless of this setting.

- [Yes] Permit users to export their own data.
- [No] Do not permit users to export.

Setup for exporting attached files:

Decide the permission of exporting attached files.

- [Yes] Permit users to export attached files of their data.
- [No] Do not permit users to export attached files of their data.

Setup for importing:

Choose [Yes] or [No] as below.

Moderators are exclusively permitted to import data regardless of this setting.

- [Yes] Permit the user to import the data to his/her individual area.
- [No] Do not permit the user to import data.

Setup the moderator's authority:

Choose [Yes] or [No] for the data editing permission to all users.

- [Yes] Permit the moderator to edit the data of all users.
- [No] Do not permit the moderator to edit the data of all users.

## 3.2. Server structure components

The followings are necessary software for activating XooNIps.

OS	Not specified
Web server	Apache 2.0 or later versions
Database	MySQL 4.1 or later (Must be applicable to InnoDB)
PHP	PHP 5.1 or later
XOOPS	XOOPS 2.0.16a-JP

## 3.3. OS installation

Install CentOS5 on your PC.

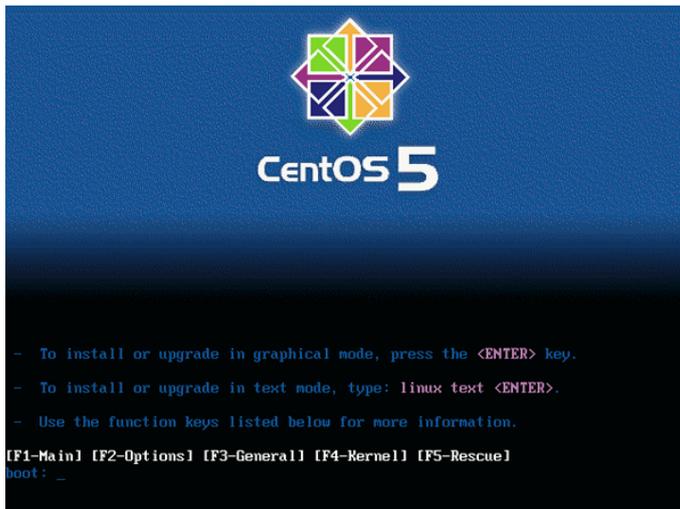
### 3.3.1. Obtain CentOS5

Make an install CD or DVD by downloading ISO image files from the official site [<http://centos.org/>]

The following shows the procedure of making an install DVD.

### 3.3.2. Procedure of installation

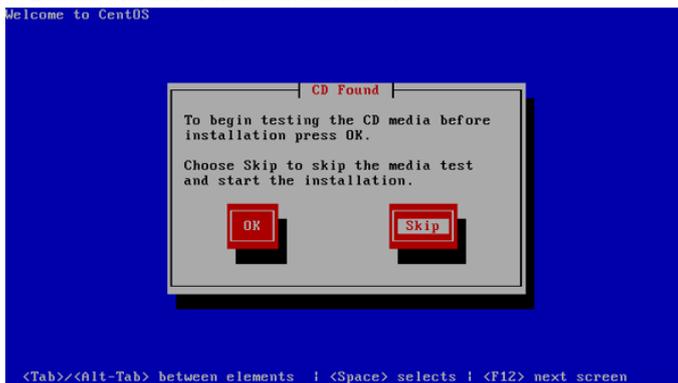
Insert a DVD into the computer to start installing



When "boot:" appears on the screen below, press **Enter** to go on to the next.

### 3.3.2.1. Media test

Decide whether or not to test the media.



Press **Tab** key to move to [Skip]. Press **Enter** to go on to the next.

### 3.3.2.2. Graphical installation

X Window System comes to run and the keyboard and mouse become active.

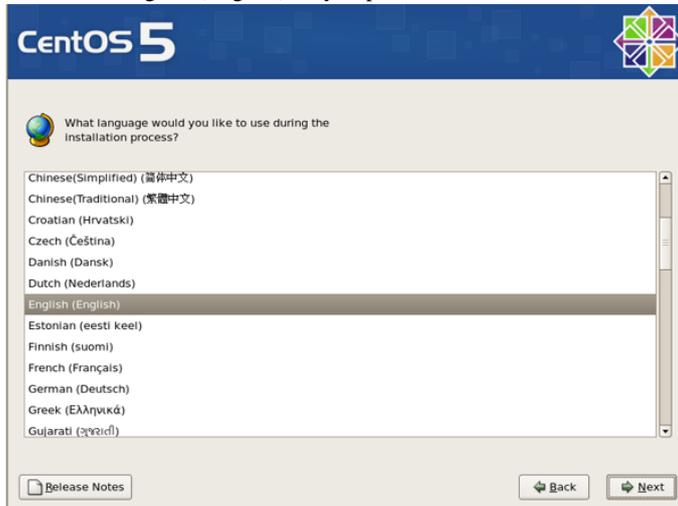


Click [Next] when the screen above appears.

### 3.3.2.3. Choose a language

Choose a preferred language for instruction:

Choose "English (English)" if you prefer it.

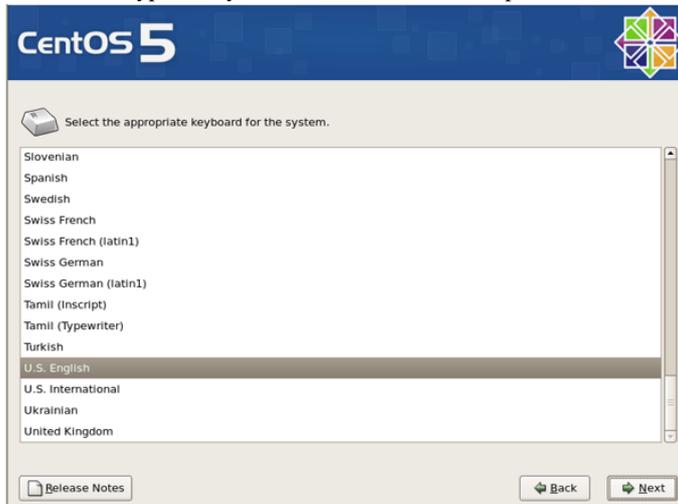


Click on [Next] to go on to the next.

### 3.3.2.4. Set up for the keyboard

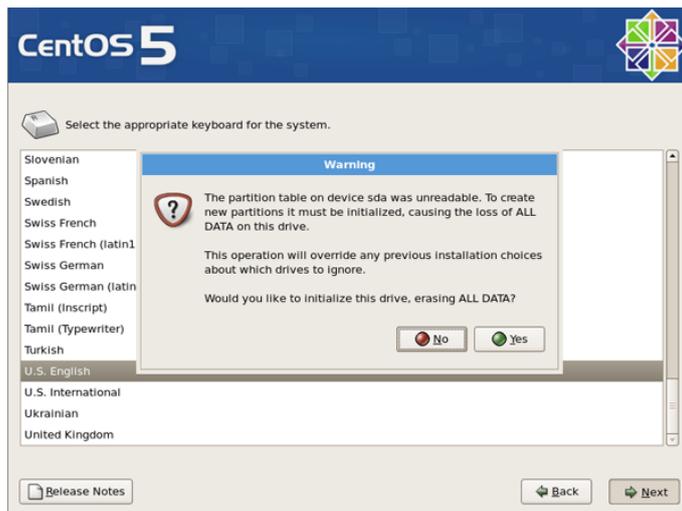
Choose a type of keyboard:

Select the type of keyboard connected to the computer.



### 3.3.2.5. Initialization of the hard disk

An alert message appears to ask whether or not to initialize the hard-disk.

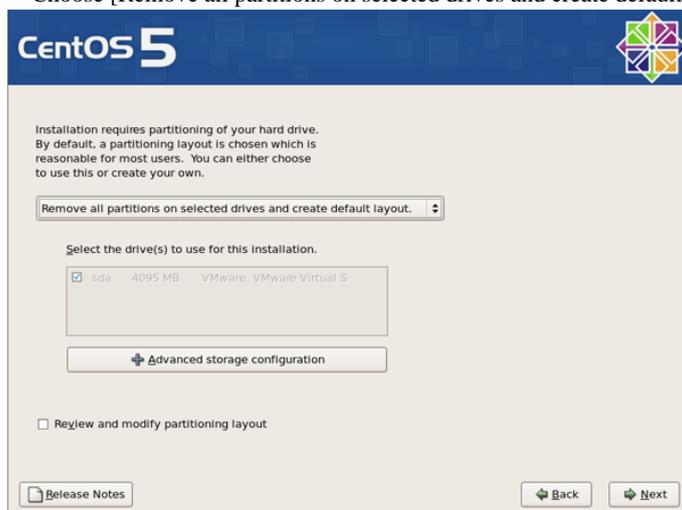


Choose [Yes] to initialize the hard-disk.

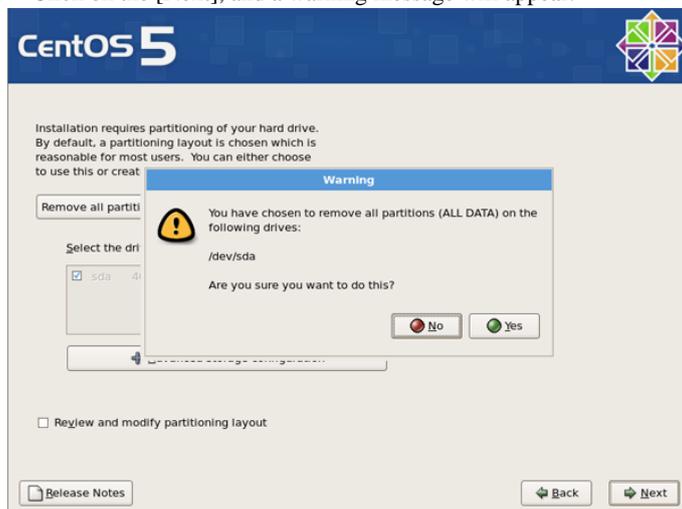
### 3.3.2.6. Decide a partition

Choose a partition to be installed Linux:

Choose [Remove all partitions on selected drives and create default layout].



Click on the [Next], and a warning message will appear.



Click on [Yes] to delete the partitions.

### 3.3.2.7. Set up for the network

If there is DHCP server such as broadband router on the network, click on [Next].



The image shows the 'Network Devices' configuration window in CentOS 5. At the top, there is a table with columns: 'Active on Boot', 'Device', 'IPv4/Netmask', and 'IPv6/Prefix'. The first row shows a checked checkbox, 'eth0', 'DHCP', and 'Auto'. Below the table is an 'Edit' button. Under the 'Hostname' section, 'Set the hostname:' has two options: 'automatically via DHCP' (selected) and 'manually' with a text field containing 'localhost.localdomain' and '(e.g., host.domain.com)'. The 'Miscellaneous Settings' section includes fields for 'Gateway:', 'Primary DNS:', and 'Secondary DNS:'. At the bottom, there are 'Release Notes', 'Back', and 'Next' buttons.

If it is necessary to allocate an unchanging IP address; or there is no DHCP server on the network, click on [Edit].

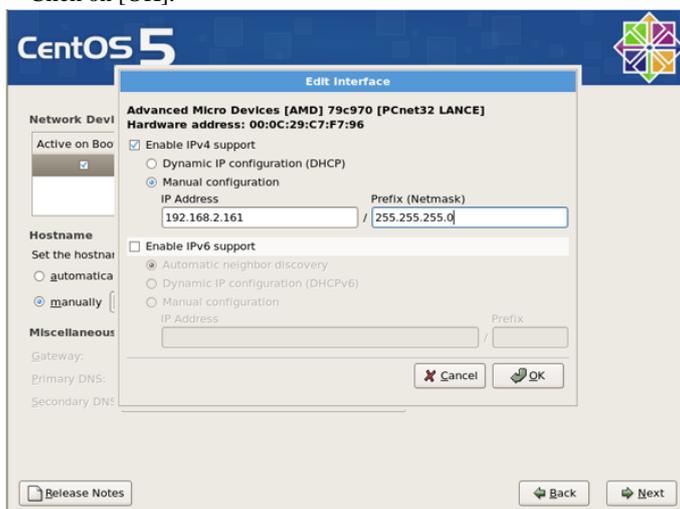
Be sure to have the checkbox "Enable IPv4 support" checked.

Choose "Manual configuration".

Fill in the "IP address" and "Prefix (Netmask)", respectively.

Untick the checkbox of "Enable IPv6 support".

Click on [OK].



The image shows the 'Edit Interface' dialog box in CentOS 5. It is titled 'Advanced Micro Devices [AMD] 79c970 [PCnet32 LANCE]' and 'Hardware address: 00:0C:29:C7:F7:96'. Under 'Enable IPv4 support', 'Dynamic IP configuration (DHCP)' is unselected and 'Manual configuration' is selected. The 'IP Address' field contains '192.168.2.161' and the 'Prefix (Netmask)' field contains '255.255.255.0'. Under 'Enable IPv6 support', 'Automatic neighbor discovery' is selected, and 'Dynamic IP configuration (DHCPv6)' and 'Manual configuration' are unselected. The 'IP Address' and 'Prefix' fields for IPv6 are empty. At the bottom right, there are 'Cancel' and 'OK' buttons. The background shows the same 'Network Devices' window as in the previous image.

When it returns to the network device screen, input the hostname.

As shown in the dialog box, input [hostname].[domain name]

For example, `hostname.domainname.org`

Fill in the Gateway IP address at the "Gateway" field.

Fill in the IP address of DNS at the "Primary DNS" field.

Click on [Next].



CentOS 5

**Network Devices**

Active on Boot	Device	IPv4/Netmask	IPv6/Prefix	Edit
<input checked="" type="checkbox"/>	eth0	192.168.2.161/24	Disabled	

**Hostname**

Set the hostname:

automatically via DHCP

manually  (e.g., host.domain.com)

**Miscellaneous Settings**

Gateway:

Primary DNS:

Secondary DNS:

[Release Notes](#) [Back](#) [Next](#)

### 3.3.2.8. Set up for time zone

Set up the time zone. Click on a preferred location on the map or pulldown menu.

Untick [System clock uses UTC].



CentOS 5

Please click into the map to choose a region:



America/New\_York Eastern Time

System clock uses UTC

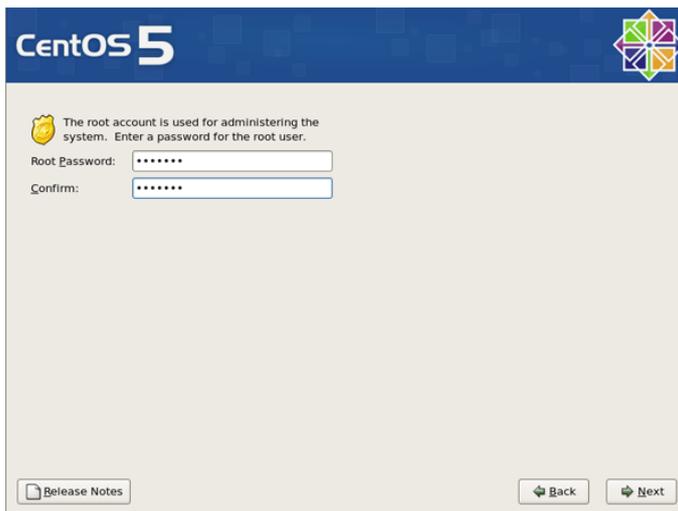
[Release Notes](#) [Back](#) [Next](#)

### 3.3.2.9. Set up for root password

Set up a root password (six characters or more)

Be sure to remember the password. Make sure to distinguish between capital letters and small letters.

Asked to enter the password twice for confirmation.



CentOS 5

The root account is used for administering the system. Enter a password for the root user.

Root Password:

Confirm:

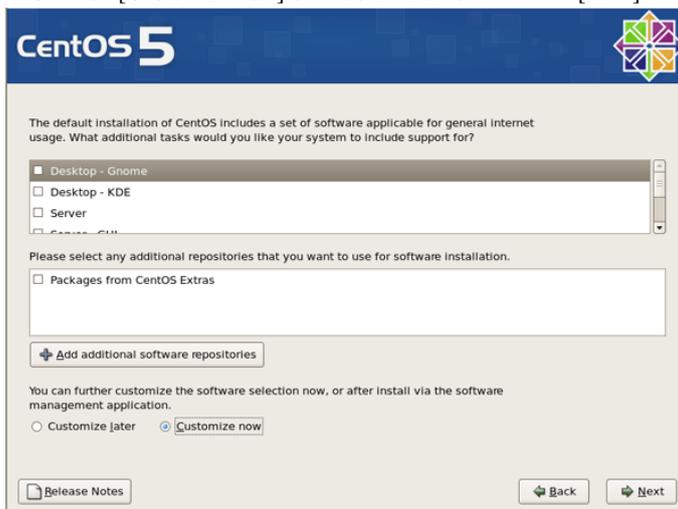
[Release Notes](#) [Back](#) [Next](#)

Click on [Next].

### 3.3.2.10. Choose an install package

Untick all the checkboxes.

Click on [Customize now] on the screen below and then [Next].



CentOS 5

The default installation of CentOS includes a set of software applicable for general Internet usage. What additional tasks would you like your system to include support for?

Desktop - Gnome  
 Desktop - KDE  
 Server  
 Server - GUI

Please select any additional repositories that you want to use for software installation.

Packages from CentOS Extras

[Add additional software repositories](#)

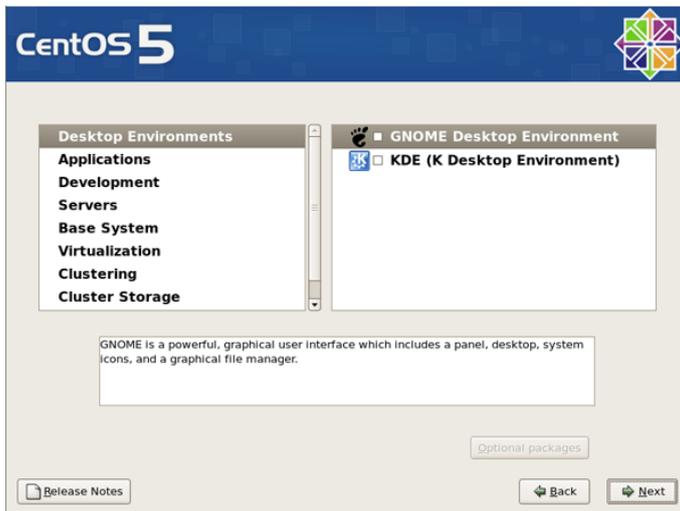
You can further customize the software selection now, or after install via the software management application.

Customize later  Customize now

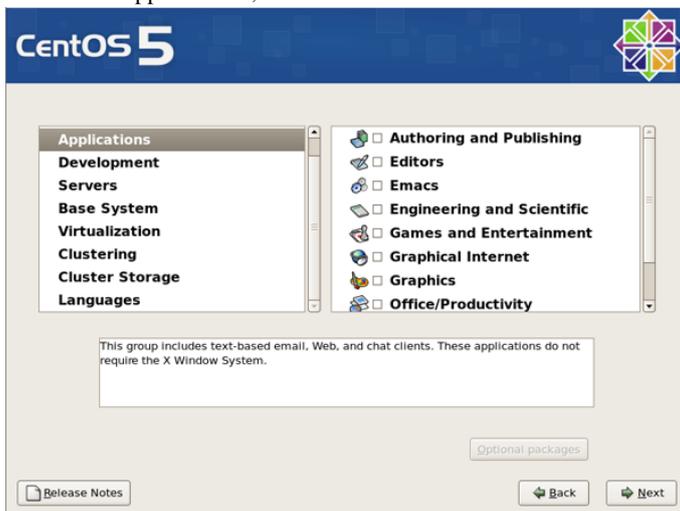
[Release Notes](#) [Back](#) [Next](#)

### 3.3.2.11. Choose an install package 2

Choose "Desktop Environments" and untick the other checkboxes.



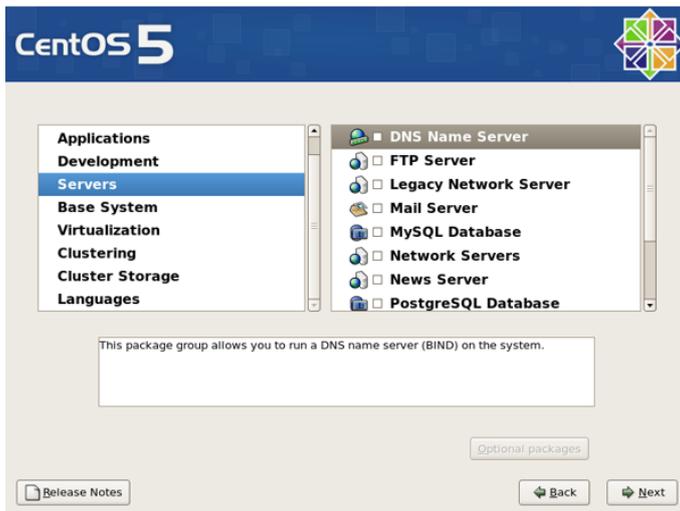
Choose "Applications", and untick the other checkboxes.



Choose "Development", and untick the other checkboxes.



Choose "Servers", and untick the other checkboxes.



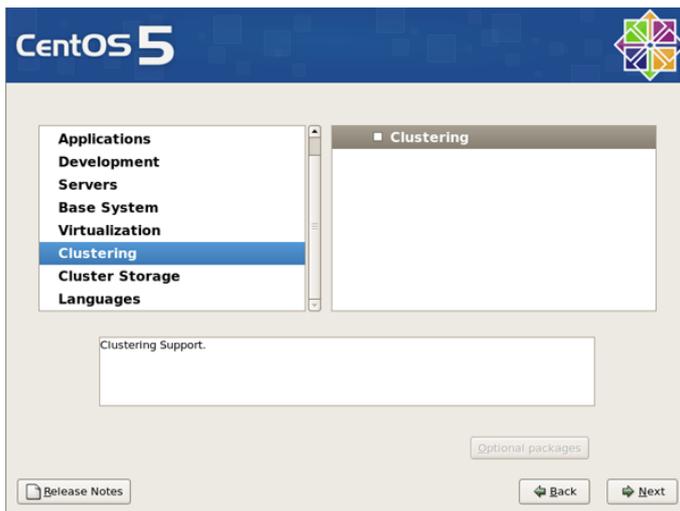
Choose "Base System", and untick the other checkboxes.



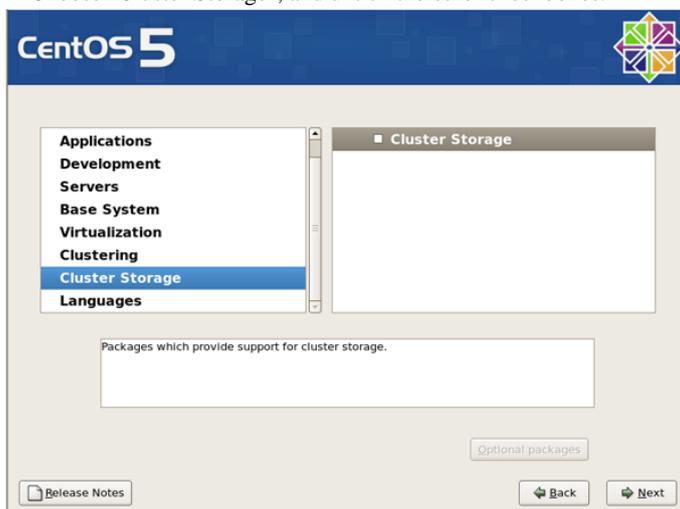
Choose "Virtualization", and untick the other checkboxes.



Choose "Clustering", and untick the other checkboxes.

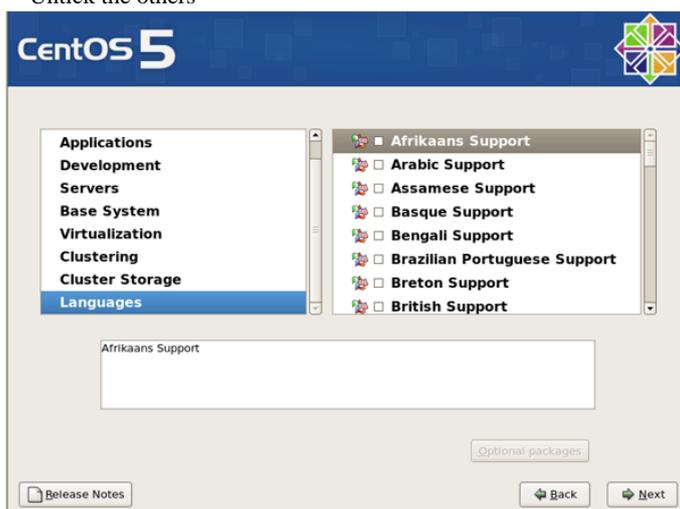


Choose "Cluster Storage", and untick the other checkboxes.



Choose "Languages", and check a preferred language.

Untick the others



Click on the [Next]

### 3.3.2.12. Package Install

Click on [Next] on the following screen, and it will start installation.



The time required for the installation depends on the computer's performance.



### 3.3.2.13. Complete Installation

When the screen shows as the following, take out the DVD and click on [Restart]



## 3.4. Customize CentOS5

This section shows the setup for installing XooNips.

### 3.4.1. Create an administration account.

Log into the server as root by the following procedure.

```
xoonips-server login: root ← Enter "root" as a login user.
Password:                ← Enter root password ( not shown )
[root@xoonips-server ~]# ← (Logged in as root)
```

Create an administration account by the following commands.

```
[root@xoonips-server ~]# useradd admin ← Create an admin account.
[root@xoonips-server ~]# passwd admin ← Set an admin password.
Changing password for user admin.
New UNIX password:        ← Enter the admin password.
Retype new UNIX password: ← Reenter the admin password.
passwd: all authentication tokens updated successfully.
```

#### 3.4.1.1. Setup for authorizing the admin user to execute su.

Under the root authority, which is unrestricted to execute any commands, it may cause critical operation errors such as deleting important files, etc. The following shows how to set it as it takes user admin for usual operations and the root authority by using su command for inevitable cases.

```
[root@xoonips-server ~]# usermod -G wheel admin ← Add user admin to wheel group
[root@xoonips-server ~]# vi /etc/pam.d/su      ← Edit file by vi editor
#auth required pam_wheel.so use_uid
↓
auth required pam_wheel.so use_uid           ← Delete comments
```

Please refer to web or study guides for the usage of vi editor.

Log out now. Log in as a user admin for the following procedures.

```
[root@xoonips-server ~]# exit ← Log out
```

### 3.4.2. System Update

Log in as admin by the following commands.

```
xoonips-server login: admin ← Enter "admin" as a log in user.
Password:                  ← Enter admin password (not shown)
[admin@xoonips-server ~]$ ← (As admin)
```

Execute a system update as root user by using the following commands.

```
[admin@xoonips-server ~]$ su - ← Execute su command to become root.
Password:                    ← Enter root password.
[root@xoonips-server ~]#     ← (As root)
```

Go on the following procedures under the root authority.

```
[root@xoonips-server ~]# yum -y update ← Execute a system update command.
```

The required time depends on the network condition or computer performance.

Now the system has been updated.

### 3.4.3. Installing the required packages

XooNIps requires to be installed the following packages.

gcc	gcc-c++	glib-devel
glib2-devel	libgsf-devel	php-mysql
php-gd	php-mbstring	php-devel
php-xml	php-pear	php-pecl-Fileinfo
poppler-utils	lynx	mysql-server
wget		

Execute the following commands to install the packages.

```
[root@xoonips-server ~]# yum -y install gcc gcc-c++ glib-devel glib2-devel libgsf-devel
[root@xoonips-server ~]# yum -y install php-mysql php-gd php-mbstring php-devel php-xml php-pear
[root@xoonips-server ~]# yum -y install php-pecl-Fileinfo poppler-utils lynx
[root@xoonips-server ~]# yum -y install mysql-server wget make
```

### 3.4.4. Install external programs

Install the external programs required to make XooNIps operable.

Obtain the external support programs.

```
[root@xoonips-server ~]# wget http://prdownloads.sf.net/chicago/xlhtml-0.5.tgz
[root@xoonips-server ~]# tar -xzvf xlhtml-0.5.tgz ← Expand the obtained files.
[root@xoonips-server ~]# cd xlhtml-0.5
[root@xoonips-server ~]# cp /usr/share/automake-1.9/depcomp ./ ← Copy the commands required for installing.
[root@xoonips-server ~]# ./configure ← Execute the configuration.
[root@xoonips-server ~]# make ← Execute the make.
[root@xoonips-server ~]# make install ← Execute the installation.
[root@xoonips-server ~]# cd ← Escape from the expand directory.
```

Obtain the external support programs.

```
[root@xoonips-server ~]# wget http://downloads.sourceforge.net/wwware/wv-1.2.4.tar.gz
[root@xoonips-server ~]# tar -xzvf wv-1.2.4.tar.gz ← Expand the obtained files.
[root@xoonips-server ~]# cd wv-1.2.4
[root@xoonips-server ~]# ./configure ← Execute the configuration.
[root@xoonips-server ~]# make ← Execute the make.
[root@xoonips-server ~]# make install ← Perform installation.
[root@xoonips-server ~]# cd ← Escape from the expanded directory.
```

Create symbolic links to make the external programs operable to XooNIps.

```
[root@xoonips-server ~]# ln -s /usr/local/bin/xlhtml /usr/bin/xlhtml
[root@xoonips-server ~]# ln -s /usr/local/bin/pphtml /usr/bin/pphtml
[root@xoonips-server ~]# ln -s /usr/local/bin/wvText /usr/bin/wvText
```

Close the installation of the external programs.

```
[root@xoonips-server ~]# rm -rf xlhtml-0.5
[root@xoonips-server ~]# rm -rf wv-1.2.4
[root@xoonips-server ~]# rm -f xlhtml-0.5.tgz
[root@xoonips-server ~]# rm -f wv-1.2.4.tar.gz
```

### 3.4.5. Set up iptables

Set up for packet filtering.

At the initial condition, the access to the web server is controlled. The following shows how to set up for access permission.

```
[root@xoonips-server ~]# vi /etc/sysconfig/iptables
Copy the line below.
-A RH-Firewall-l-INPUT -m state --state NEW -m tcp -p tcp --dport 22 -j ACCEPT
↓ Change the "22" in the line to "80".
-A RH-Firewall-l-INPUT -m state --state NEW -m tcp -p tcp --dport 80 -j ACCEPT
[root@xoonips-server ~]# /etc/init.d/iptables restart ← Restart the packet filtering software.
```

### 3.4.6. Make SELinux invalid

SELinux has to be invalid to operate XOOOPS.

```
[root@xoonips-server ~]# getenforce          ← SELinux status check.
Enforcing                                   ← SELinux is valid.
[root@xoonips-server ~]# setenforce 0       ← SELinux is invalid.
[root@xoonips-server ~]# getenforce        ← SELinux status check.
Permissive                                 ← SELinux is invalid.
[root@xoonips-server ~]# vi /etc/sysconfig/selinux ← SELinux config file editing.
SELINUX=enforcing
↓
SELINUX=disabled                          ← On system startup, make SELinux invalid
```

### 3.4.7. Set up for Apache

Set up for a web server, Apache.

#### 3.4.7.1. Config file editing.

```
[root@xoonips-server ~]# vi /etc/httpd/conf/httpd.conf ← Edit config files.
AddDefaultCharset UTF-8
↓
#AddDefaultCharset UTF-8                               ← Make it as comment.
```

#### 3.4.7.2. Automatic startup for web server

Set up for making the web server automatically started when the computer is restarted.

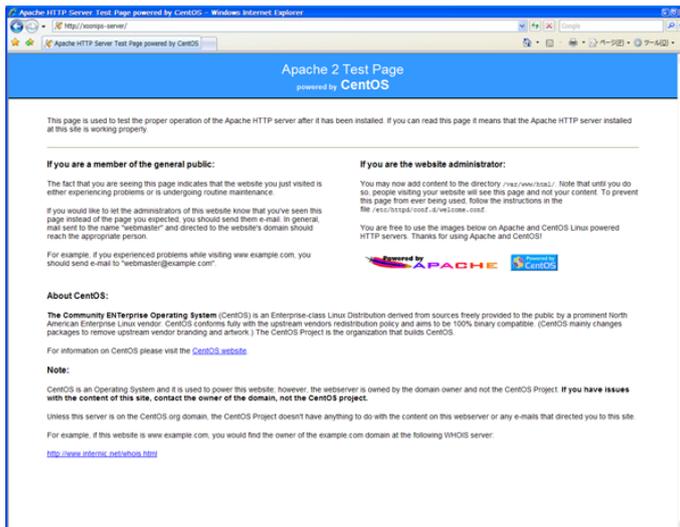
```
[root@xoonips-server ~]# /etc/init.d/httpd start ← Startup web server.
[root@xoonips-server ~]# chkconfig httpd on    ← Set up for automatic startup for web server.
```

#### 3.4.7.3. Check the performance of the web server.

Startup the browser of another computer and enter the address.

For example: `http://(The host name decided when having installed the OS.)/`

The setup will be successfully completed if the screen appears as follows:



### 3.4.8. Setup for MySQL

Set up for a database system to be used on XooNIPS:

```
[root@xoonips-server ~]# vi /etc/my.cnf ← Config file editing.
```

Add the following two lines in the section of [mysqld].

```
default-character-set=ujis
```

```
skip-character-set-client-handshake
```

#### 3.4.8.1. MySQL startup and automatic startup.

```
[root@xoonips-server ~]# /etc/init.d/mysqld start ← MySQL server startup.
```

```
[root@xoonips-server ~]# chkconfig mysqld on ← MySQL automatic startup
```

#### 3.4.8.2. Set a MySQL password and delete unnecessary data.

```
[root@xoonips-server ~]# mysql -uroot ← Log into the MySQL server as root user.
```

Define the password for root user. (Example: mysqlroot@pass)

```
mysql > set password for root@localhost=password('mysqlroot@pass');
```

```
mysql > delete from mysql.user where user=''; ← Delete anonymous users.
```

```
mysql > drop database test; ← Delete test database.
```

#### 3.4.8.3. Create a database for XooNIPS.

Create a database for XooNIPS and name it xoonipsdb.

```
mysql > create database xoonipsdb character set ujis;
```

Create it with the user name: xoonipsuser, the password: xoonips@pass to access xoonipsdb.

```
mysql > grant all privileges on xoonipsdb.* to xoonipsuser@localhost identified by'xoonips@pass';
```

```
mysql > exit ← Log out of MySQL server.
```

### 3.4.9. Set up for PHP

Modify the PHP config files to set the environment for XooNIPS.

```
[xoonips-server ~]# vi /etc/php.ini ← PHP config file editing.
```

```
allow_url_fopen = On
```

↓  
**allow\_url\_fopen = Off** ← Change it from "On" to "Off".

The following set values are the required memory sizes for uploading files to a XooNIps server. Adjust them according to the server's structure if necessary.

If it is expected to use files sized 128 MB or bigger on XooNIps, it requires bigger value than the indicated in this manual.

The range of set value have to be `memory_limit >= post_max_size >= upload_max_filesize`

**memory\_limit = 16M**

↓  
**memory\_limit = 128M** ← Set the value bigger.

**post\_max\_size = 8M**

↓  
**post\_max\_size = 128M** ← Set the value bigger.

**upload\_max\_filesize = 2M**

↓  
**upload\_max\_filesize = 128M** ← Set the value bigger.

**;session.use\_only\_cookies = 1**

↓  
**session.use\_only\_cookies = 1** ← Take out comments.

Set up Multi-byte string functions

**;mbstring.internal\_encoding = EUC-JP**

↓  
**mbstring.internal\_encoding = EUC-JP** ← Take out comments.

**;mbstring.detect\_order = auto**

↓  
**mbstring.detect\_order = ASCII,EUC-JP,UTF8** ← Take out comments and add ASCII,EUC-JP,UTF8.

Restart Apache to make the setup valid.

**[xoonips-server ~]# /etc/init.d/httpd restart** ← Restart the Apache to make the setup valid.

## 3.5. Install XOOPS

Install XOOPS, the platform of XooNIps.

Download the most updated version of XOOPS from the official website.(Currently the most updated version is 2.1.6. as of March 2009.)

**[root@xoonips-server ~]# wget http://downloads.sourceforge.net/xoopscube/Package\_Legacy\_2\_1\_6.zip**

**[root@xoonips-server ~]# unzip Package\_Legacy\_2\_1\_6.zip** ← Expand the downloaded files.

Copy the expanded files to the web server document root.

**[root@xoonips-server ~]# cp -R Package\_Legacy/html/ /var/www/**

**[root@xoonips-server ~]# rm -rf Package\_Legacy** ← Delete the expanded directories.

**[root@xoonips-server ~]# rm -f Package\_Legacy\_2\_1\_6.zip** ← Delete the downloaded files.

**[root@xoonips-server ~]# chmod 777 /var/www/html/uploads** ← Change permissions.

**[root@xoonips-server ~]# chmod 777 /var/www/html/cache** ← Change permissions.

**[root@xoonips-server ~]# chmod 777 /var/www/html/templates\_c** ← Change permissions.

**[root@xoonips-server ~]# chmod 666 /var/www/html/mainfile.php** ← Change permissions.

## Warning

Find the most updated URL from the official website.

Download page (Legacy2.1.6) [[http://downloads.sourceforge.net/xoopscube/Package\\_Legacy\\_2\\_1\\_6.zip](http://downloads.sourceforge.net/xoopscube/Package_Legacy_2_1_6.zip)]

### 3.5.1. Set up for XOOPS

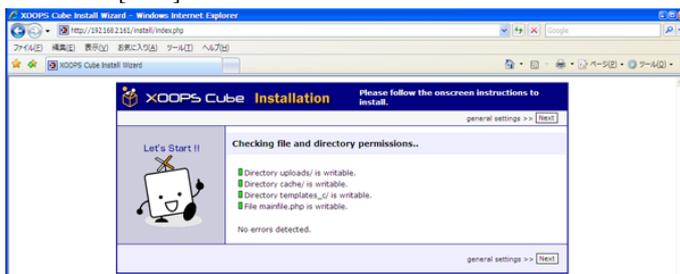
Access to `http://server name/`



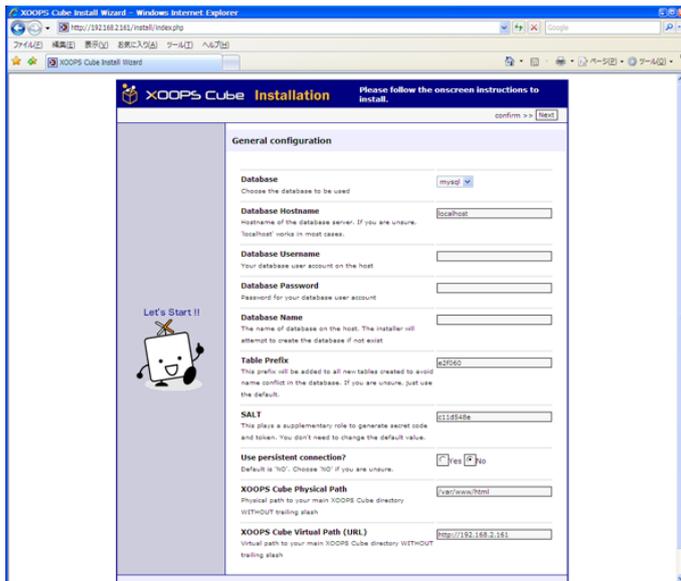
Choose a preferred language and click on [Next].



Click on [Next].



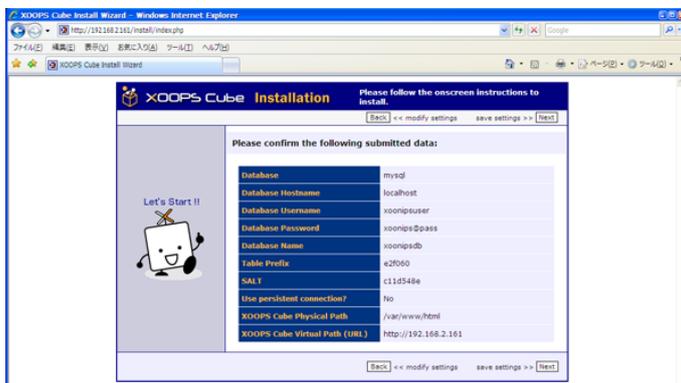
Click on [Next].



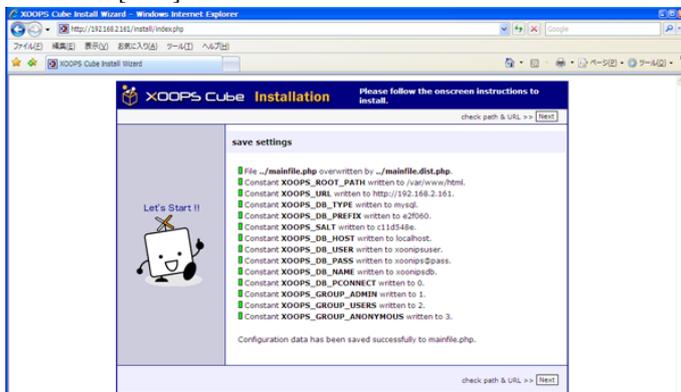
Enter the database user name, database password and database name which decided on MySQL setup.

Fill in the blanks with the following information and click on [Next].

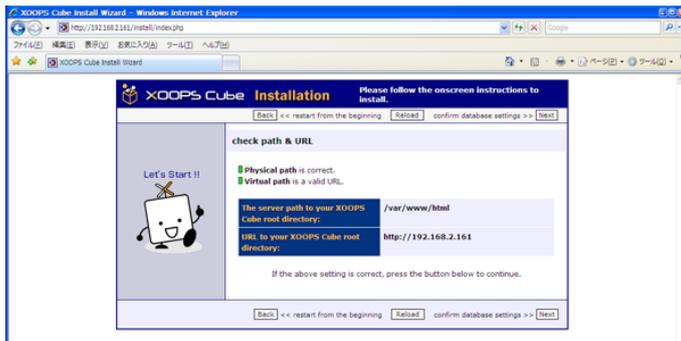
Database Username	xoonipsuser
Database Password	xoonips@pass
Database Name	xoonipsdb



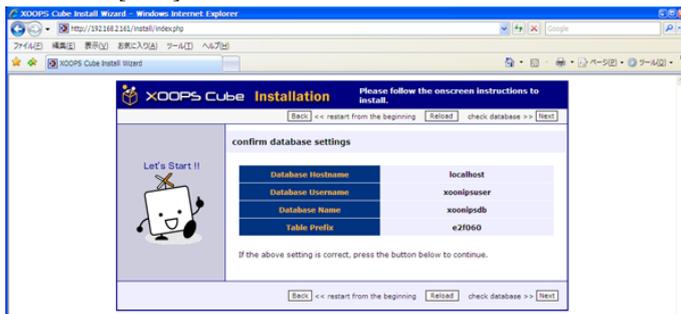
Click on [Next].



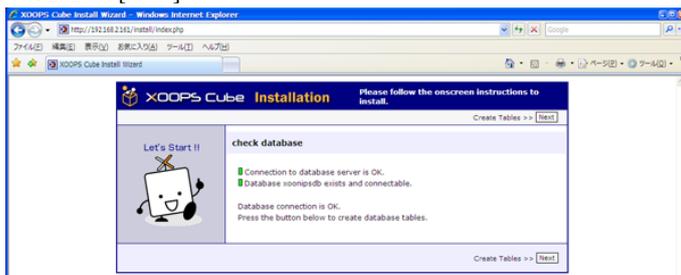
Click on [Next].



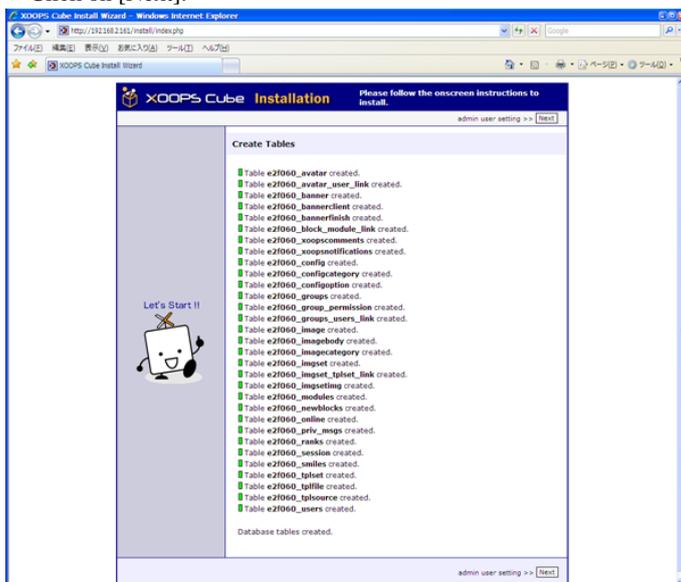
Click on [Next].



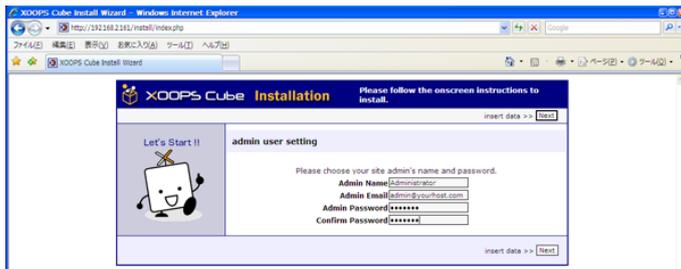
Click on [Next].



Click on [Next].



Click on [Next].

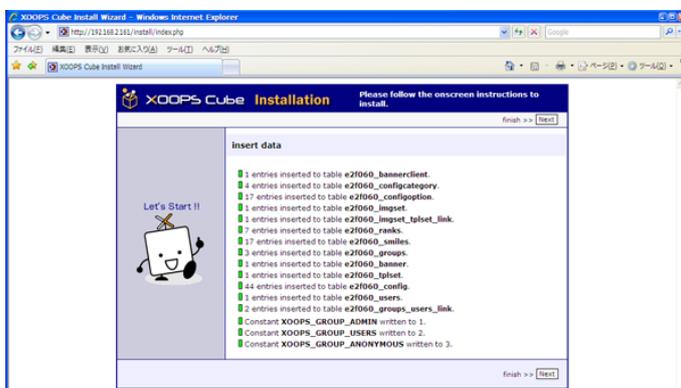


Enter the following information and click on [Next].

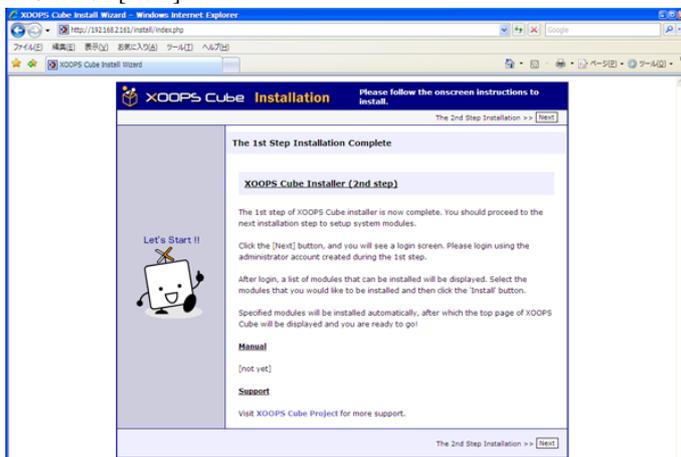
Note that this is for the administrator of XOOps.

It is different from the users of CentOS and MySQL.

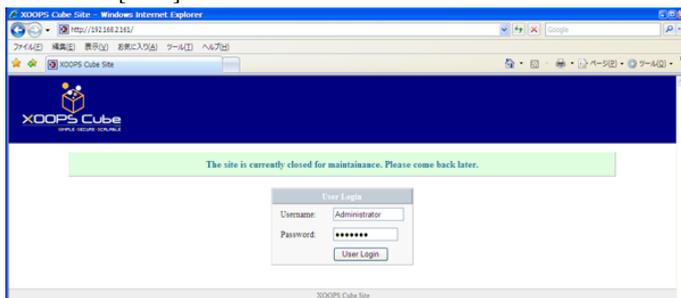
Admin Name	XOOps site administrator's user name (Example: Administrator)
Admin Email	XOOps site administrator's mail address (Example: admin@xoonips.jp)
Admin Password	Password
Confirm Password	Password



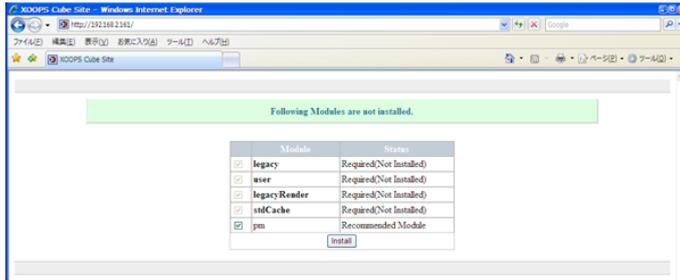
Click on [Next]



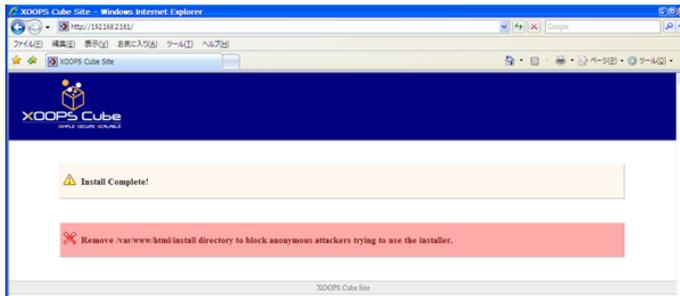
Click on [Next].



Enter the XOOPS admin name and click on [User Login].



Click on the "Install" button.



The installation has completed.

Close the web browser now.

### 3.5.2. Close the XOOPS installation.

```
[root@xoonips-server ~]# rm -rf /var/www/html/install/ ← Delete install directories.
```

```
[root@xoonips-server ~]# chmod 644 /var/www/html/mainfile.php ← Change permissions.
```

## 3.6. Install XooNips

Download the most updated XooNips.

Download the most updated XooNips.

```
[root@xoonips-server ~]# wget http://osdn.dl.sourceforge.jp/xoonips/30526/xoonips-3.4.tar.gz
```

Expand the downloaded files.

```
[root@xoonips-server ~]# tar -xzf xoonips-3.4.tar.gz
```

Copy the XooNips modules to the module directories.

```
[root@xoonips-server ~]# cp -R xoonips-3.4/xoonips/ /var/www/html/modules/
```

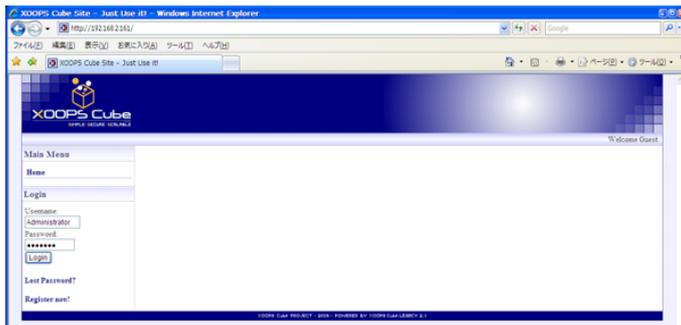
### Warning

The download URL is subject to be changed due to its mirror site.

Download page [<http://prdownloads.sourceforge.jp/xoonips/30526/xoonips-3.4.tar.gz>]

#### 3.6.1. Set up for XooNips

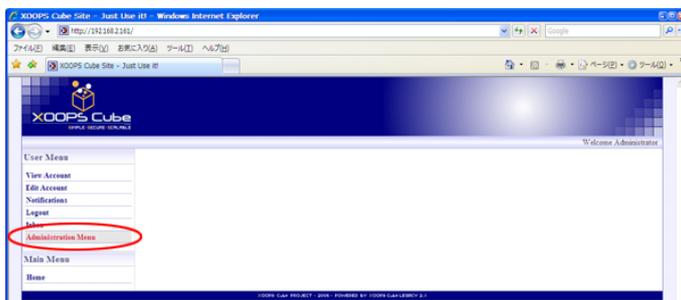
Access to <http://server name/>.



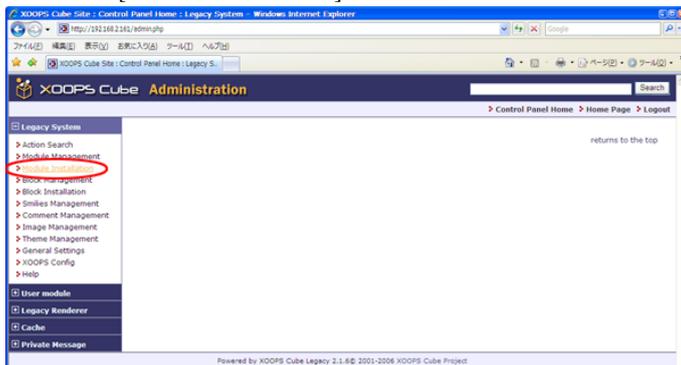
Enter the following information and click on the [Login] button.

Username Administrator's user name (Example: Administrator)

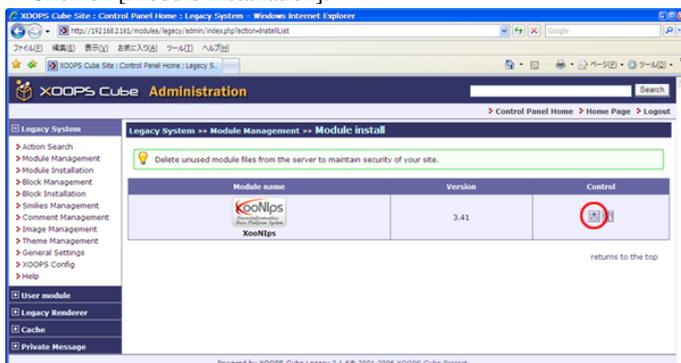
Password Administrator's password



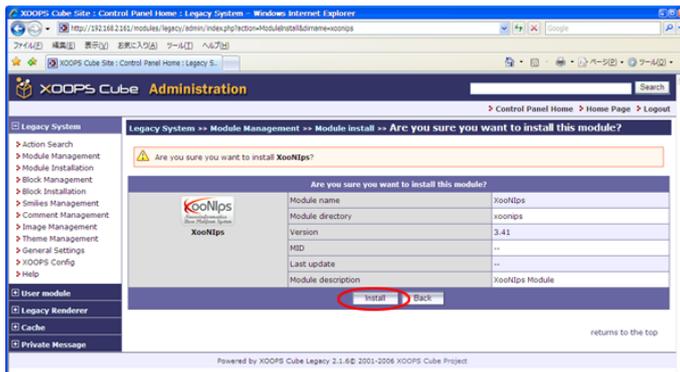
Click on [Administration Menu].



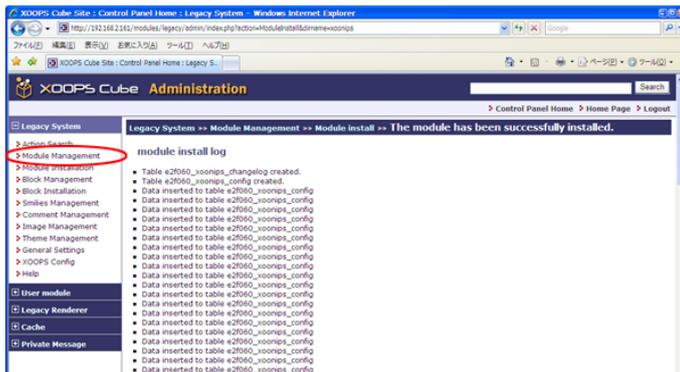
Click on [Module Installation].



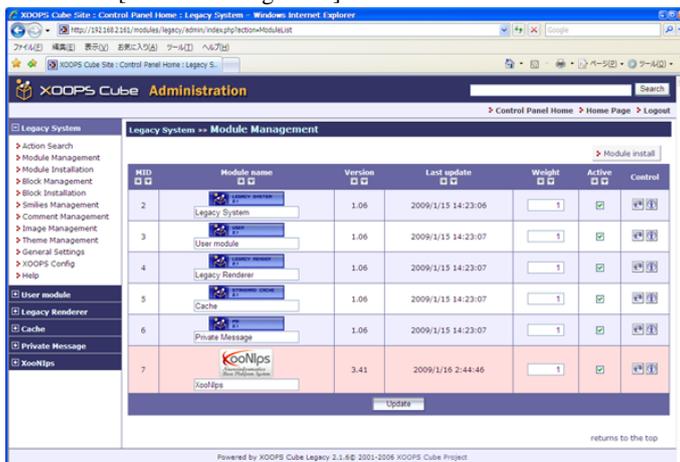
Click on the install icon at "Control".



Click on the "Install" button.



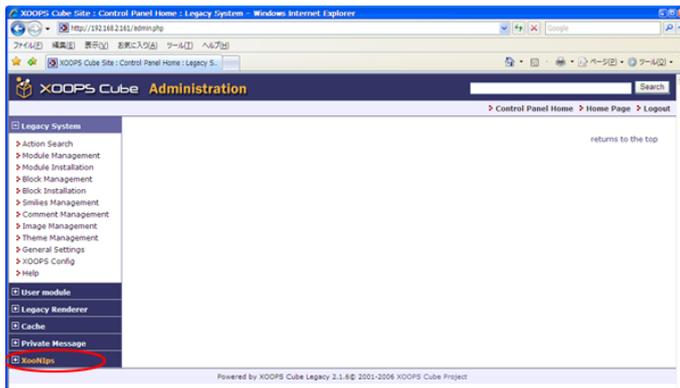
Click on [Module Management].



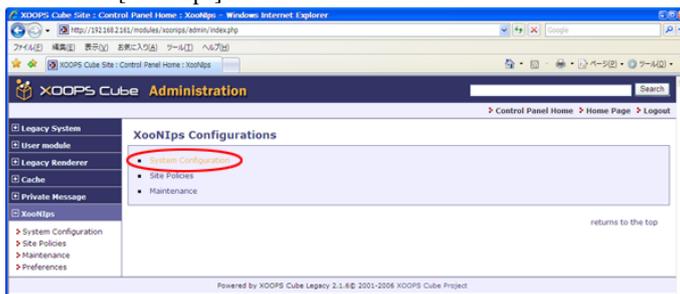
If the XooNips is successfully installed, the screen shows as above.

### 3.6.2. Initial setting and confirmation on XooNips

How to set up XooNips.



Click on [XooNips] on the Administration menu.



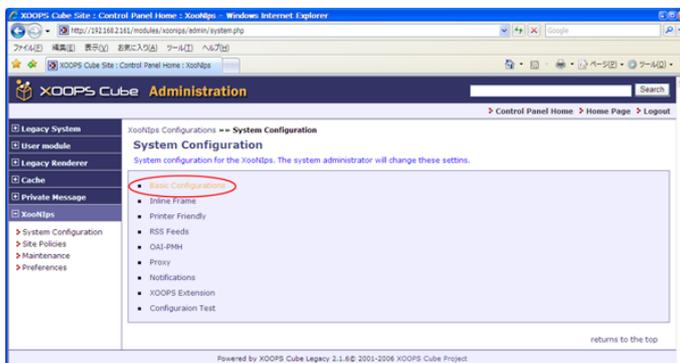
Click on [System Configuration].

### 3.6.2.1. Change the file upload directory.

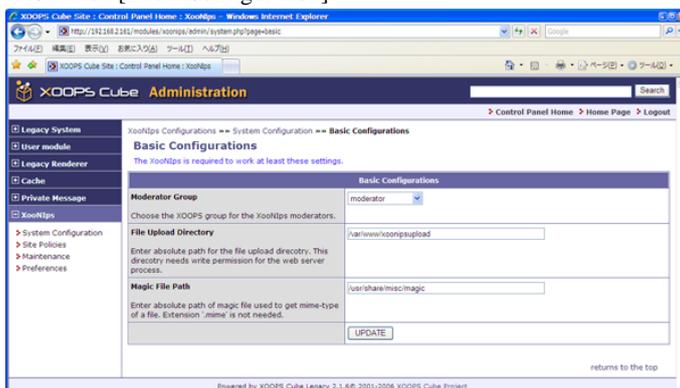
Assign a directory where the web server is authorized to write.

`[root@xoonips-server ~]# mkdir /var/www/xoonipsupload` ← Create a directory.

`[root@xoonips-server ~]# chmod a+w /var/www/xoonipsupload` ← Change permissions.



Click on [Basic Configuration].

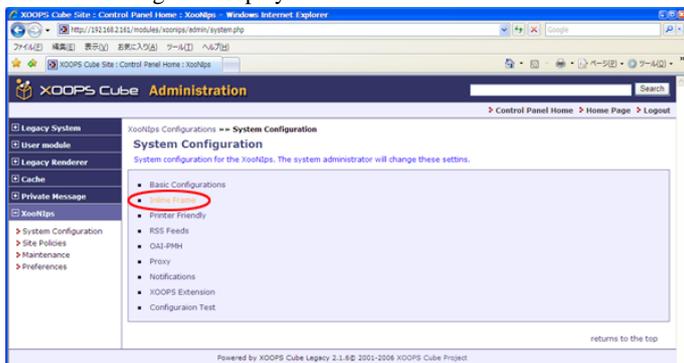


Enter /var/www/xoonipsupload at [File Upload Directory]

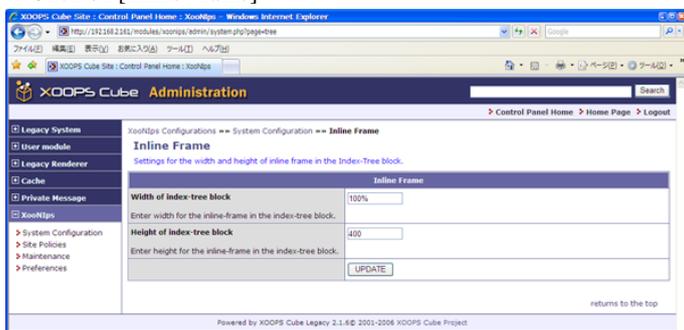
Click on [UPDATE].

### 3.6.2.2. Setup inline frame

How to change the display area of an index tree:



Click on [Inline Frame]



Enter the desired value of width and height of the index tree and click on the [UPDATE] button.

The size of display area within the block can be changed by indicating the width of the index tree in percentage (%).

Width indicated in 100%. | Width indicated in 50%.



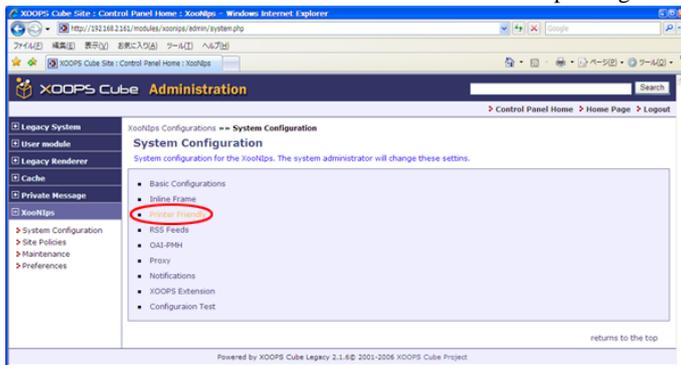
The range of display area can be changed by indicating the height of the index tree in pixels.

Height indicated in 400 pixels. | Height indicated in 200 pixels.

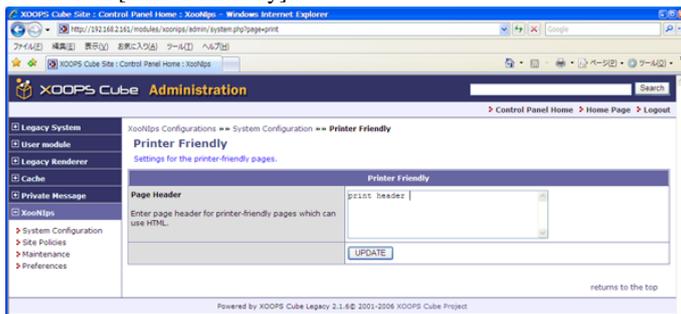


### 3.6.2.3. Setup print formats

How to set the information to be shown as headers on printing:



Click on [Printer Friendly].

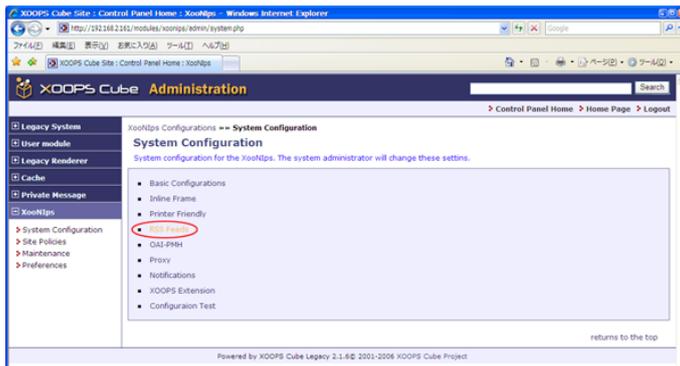


The entered information will be printed as a header.

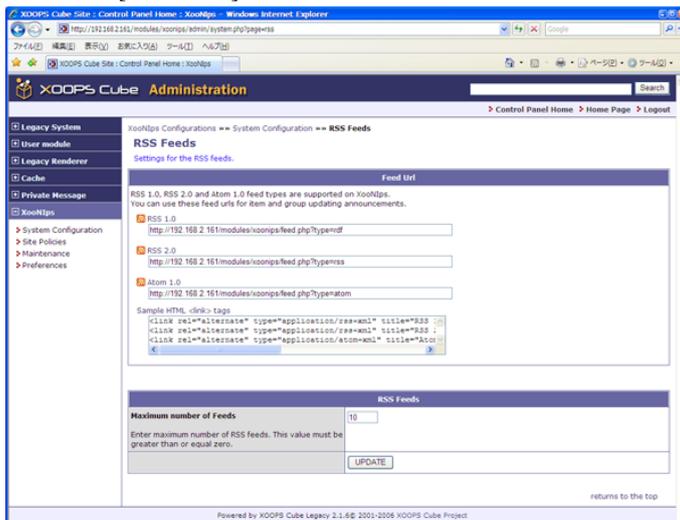
### 3.6.2.4. Set up for RSS distribution

XooNips supports three types of feed formats: RSS1.0(RDF), RSS2.0, Atom1.0

Announcements about newly registered items and the current status within a group can be made by publishing the URL indicated on the "RSS Feeds".



Click on [RSS Feeds]

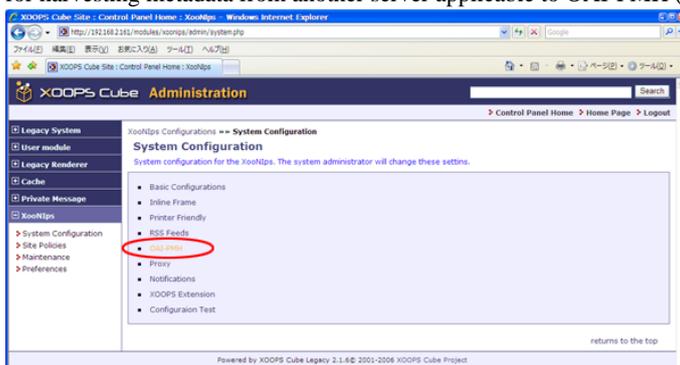


Choose a feed format and copy it to use for publication.

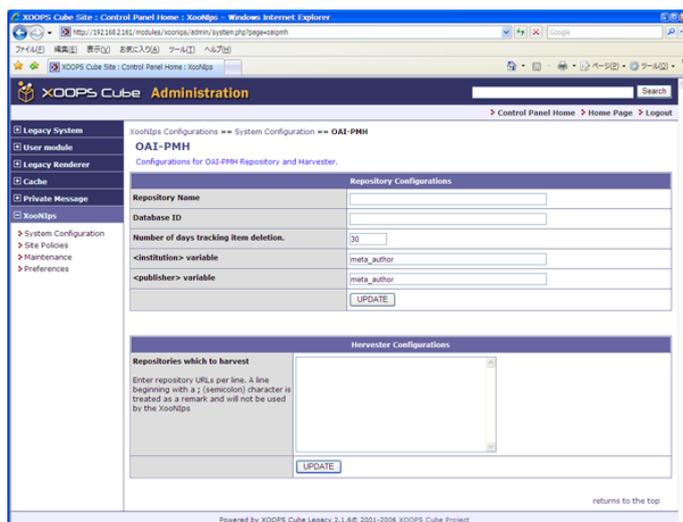
### 3.6.2.5. Set up OAI-PMH

XooNIPS adopts OAI-PMH as a structure to automatically collect metadata.

There are two ways: 1. setup for providing metadata to another server applicable to OAI-PMH. (Repository setup), 2. setup for harvesting metadata from another server applicable to OAI-PMH (Harvester setup) .



Click on [OAI-PMH].



- "Repository Configurations" is for providing metadata to another server.

Repository Name	Example : INCF Japan Node XooNips site
Database ID	Set identification data by using site name, etc. to distinguish sites. Example: www.neuroinf.jp
Number of days for tracking item deletion	Indicate the days for tracking the item deletion.
(institution) variable	Set the variable of institution for reply.
(publisher) variable	Set the variable of publisher for reply.

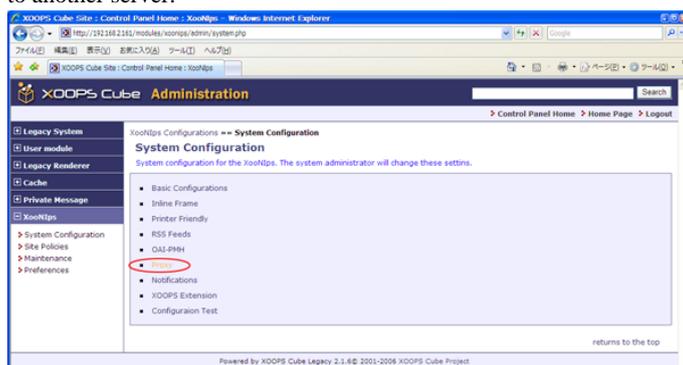
- The harvester setup is for collecting metadata from another server.

Enter the URLs of the servers for harvesting metadata one by one (press the enter key before entering another URL).

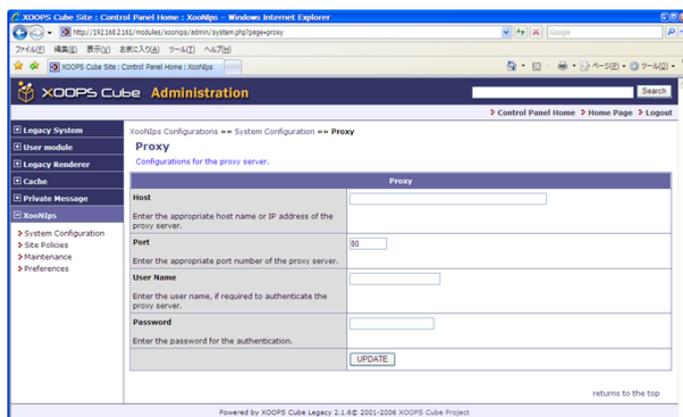
If the line begins with semicolon(;), it is identified as a comment.

### 3.6.2.6. Proxy Configuration

This section explains proxy configurations, which are required in the case of using proxy when accessing from XooNips to another server.



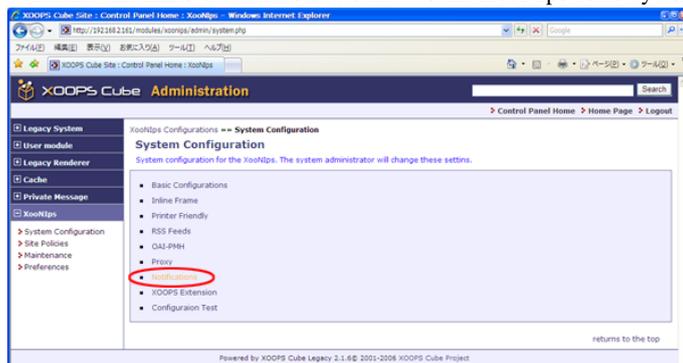
Click on [Proxy].



Host	Enter a host name or IP address of the proxy server.
Port	Enter the port number of the proxy server.
User Name	Enter the user name if required to authenticate the proxy server.
Password	Enter the password for authentication.

### 3.6.2.7. Setup for event notification

Decide the kinds of event to be notified to the XooNIPS users by using a XOOPS function.



Click on [Notifications].

Choose one from the following.

- Disable Notification (both styles)
- Enable only Block-style
- Enable only Inline-style
- Enable Notification (both styles)

"Enable Specific Events" accepts multiple choices.

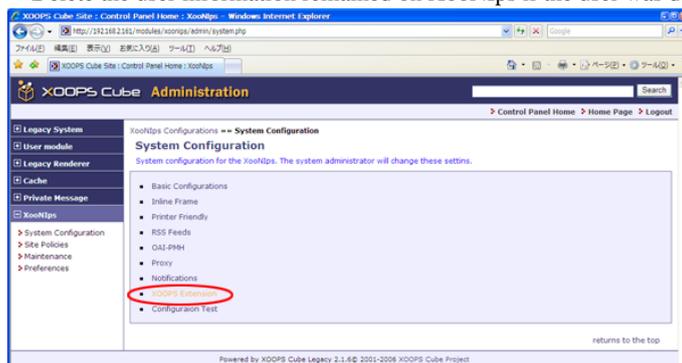
To whom	Indications at the pulldown menu	Purposes
Administrator	Administrator: Item transferred	Notify when an item has been transferred.
	Administrator: Account certified	Notify when an account has been certified.
	Administrator: Item certified	Notify when a publishing item has been certified.
	Administrator: Request for group item certification	Notify when there is a request for approval of transferring an item to a group area.
User	XooNIPS User: Item transferred	Notify when an item has been transferred.
	XooNIPS User: Item updated	Notify when an item has been updated.
	XooNIPS User: Item certified	Notify when a publishing item has been certified.

To whom	Indications at the pulldown menu	Purposes
	XooNIPS User: Item rejected	Notify when a publishing item has been rejected.
	XooNIPS User: File downloaded	Notify when a file has been downloaded.
	XooNIPS User: Group item certified	Notify when an item has been approved of being registered in a group area.
	XooNIPS User: Group item rejected	Notify when an item has been rejected to be registered in a group area.

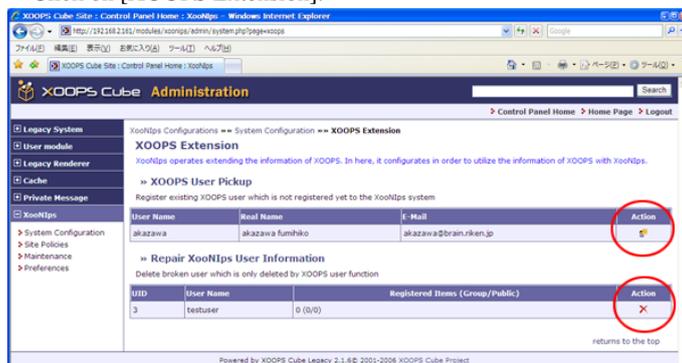
### 3.6.2.8. XOOPS Extension

Entitle a user to be able to use XooNIPS functions if he/she has been registered through the XOOPS user module.

Delete the user information remained on XooNIPS if the user was deleted by the XOOPS user module.



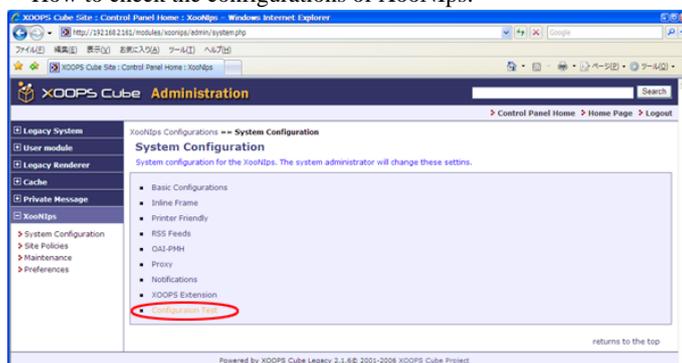
Click on [XOOPS Extension].



Delete or add users by clicking on the icon appeared at "Action".

### 3.6.2.9. Configuration Test

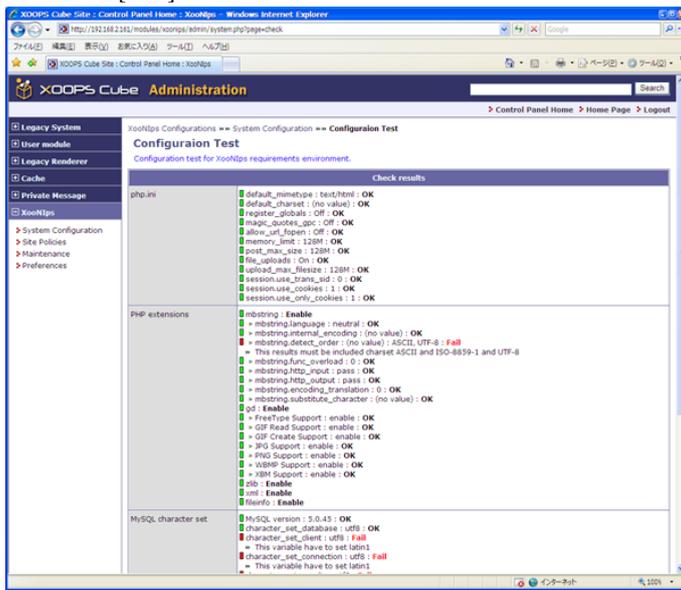
How to check the configurations of XooNIPS:



Click on [Configuration Test].



Click on [Test].



The results of XooNlps system configuration test will be displayed.

If the "Total Result" indicates "OK", the XooNlps system preparation is successfully completed.

If there are any items indicated in red, it has to be modified as the comment directs.

### 3.6.3. How to install item type modules:

Install item type modules.

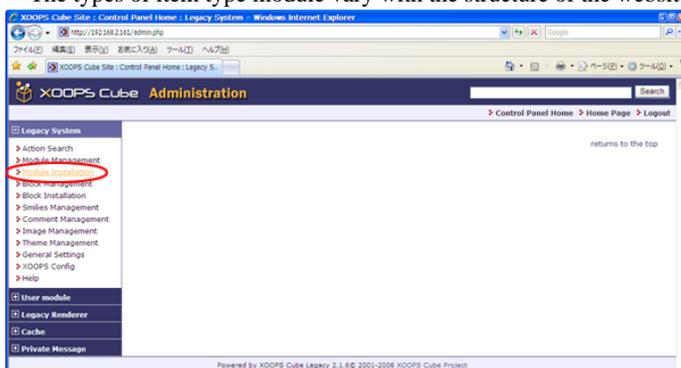
Copy the item type module to the module directory.

```
[root@xoonlps-server ~]# cp -R xoonlps-3.4/itemtypes/* /var/www/html/modules/
```

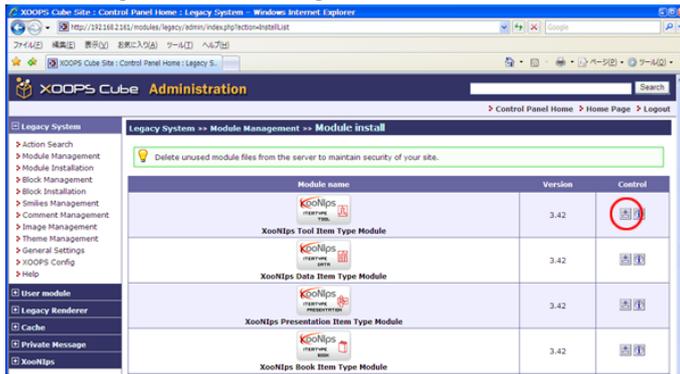
#### 3.6.3.1. Setup for item type modules

The procedure is the same as XooNlps module.

The types of item type module vary with the structure of the website.



Click on [Module Installation]



Click on the install icon at "Control". (same as XooNIps installation)

### 3.6.3.2. Close the XooNIps installation

```
[root@xoonips-server ~]# rm -f xoonips-3.4.tar.gz ← Delete downloaded files.
```

```
[root@xoonips-server ~]# rm -rf xoonips-3.4 ← Delete expanded directories.
```

### 3.6.4. Precautions on updating XooNIps

Make sure to overwrite the directories before updating XooNIps modules and item type modules.

Updating to the version XooNIps 3.30 or later is supported only if the original version is XooNIps 3.24 or later.

For updating the version from XooNIps 3.2x to XooNIps 3.4, make sure to install the Binder item type modules.

### 3.6.5. Support modules

Supporting modules are, for example, alternative modules for the system modules whose standard status can not satisfy by itself, and protector modules against malicious attacks.

For using the function to comment to the new functions on XooNIps 3.4, install an altsys module and a D3forum module.

The following briefly shows how to install an altsys module and a D3forum module, which are required for utilizing the comment functions on XooNIps.

For detailed information, check the website <http://xoops.peak.ne.jp/>

#### 3.6.5.1. Install an altsys module

How to install an altsys module, an alternative module for standard system modules:

Modify mainfile.php

```
[xoonips-server ~]# vi /var/www/html/mainfile.php ← mainfile.php file edition.
```

```
define('XOOPS_TRUST_PATH','');
```

↓

```
define('XOOPS_TRUST_PATH','/var/www/xoops_trust_path'); ← Set up for XOOPS_TRUST_PATH
```

Download the most updated module from the website.

```
[root@xoonips-server ~]# tar -xzf altsys-0.6.tar.gz ← Expand the obtained files.
```

```
[root@xoonips-server ~]# cp -R xoops_trust_path /var/www/ ← Copy the expanded files.
```

```
[root@xoonips-server ~]# cp -R html/modules/altsys /var/www/modules ← Copy the expanded files.
```

```
[root@xoonips-server ~]# cp html/preload /* /var/www/html/preload/ ← Copy the expanded files.
```

Perform installation from the "Module Installation" at "Legacy System" on the Administration menu (same as XooNIps and item type module).

### 3.6.5.2. Install D3forum

How to install d3 modules, which is required for using comment functions to the new function items on XooNIps 3.4.:

It is necessary to have completed installing an altsys module in advance.

Download the most updated module from the website.

```
[root@xoonips-server ~]# tar -xzf d3forum-0.8.tar.gz ← Expand the obtained files.  
[root@xoonips-server ~]# cp -R xoops_trust_path/modules /var/www/xoops_trust_path ← Copy the expanded files.  
[root@xoonips-server ~]# cp -R html/modules/d3forum /var/www/modules ← Copy the expanded files.  
[root@xoonips-server ~]# cp html/class/smarty/plugins/* var/www/html/class/smarty/  
plugins/ ← Copy the expanded files.
```

Perform installation from "Module Installation" at "Legacy System" on the Administration menu (same as XooNIps and item type module).

# Chapter 4. Site policy and maintenance

This chapter shows how to set up the site policies and maintenance to be completed before operating a XooNIps website. Go to the "Administration" screen (XOOPS Cube) to execute the following procedures.

## 4.1. "Site Policies"

This section shows how to set up the site policies (user registration, item publishing, etc.):

### 4.1.1. "Site Policies" (XooNIps >> Site Policies)



Figure 4.1. "Site Policies"

Click on [Site Policies].

### 4.1.2. "User information" (XooNIps>>Site Policies>>User Information)

Policy settings for the user information:

#### Tip

Click on the [UPDATE] buttons for each item.

- "User Registration Policies"

To use the XooNIps functions, new users require to be approved by the site's moderator to become a registered user.

To use a XooNIps website, it requires to make the user's information activated and be approved by the moderator.

- Account activation:

Define a manner of activating user information:

Table 4.1. Define a manner of user activation ("User Registration Policies").

"Action Type" (Pulldown menu)	Result
Requires activation by user (Recommended)	Email will be sent to the registered address to remind the user of activating the registered information. The directions (how to) will be given in the email.
Activate automatically	The registered user information will be automatically activated.
Activation by administrators	The user information will be activated by the XOOPS administrator.

- Account certification:

Decide either of manual (by moderator) or automatic certification.

**Table 4.2. Decide either of manual (by moderator) or automatic certification.**

"Certification type" (Pull-down menu)	Description
Certification by moderators	XooNIps moderators will perform the procedure of certifying users.
Certify automatically.	Users will be automatically certified.

- "Require fields in the profile editing form"

Choose "Optional" or "Required" for each of the given field (Real Name, Company Name, etc.).

- "Initial properties of newly registered users"

Define the maximum number of items to be registered in a private area and the limit of HDD area to be used.

**Table 4.3. "Initial properties of newly registered users"**

Category	Description
Maximum number of items	Set the maximum number of registration items in a private area. Default value: 500 at the maximum.
Maximum number of indexes	Set the maximum number of registration indexes in a private area. Default value: 200 at the maximum.
Maximum storage size (MB)	Set the maximum storage size in a private area. Default value: 500 (MB) allocated for a user.

XooNIps Configurations >>> Site Policies >>> User Information

**User Information**  
Policy settings for the user informations.

**User Registration Policies**

Activation type: Requires activation by user (recommended)

Certification type: Certification by moderators

**Require fields in the profile editing form**

Real Name:  Optional  Required

Company Name:  Optional  Required

Division:  Optional  Required

Country:  Optional  Required

Address:  Optional  Required

Zipcode:  Optional  Required

Phone Number:  Optional  Required

FAX Number:  Optional  Required

**Initial properties of newly registered users**

Maximum number of Items: 500

Maximum number of Indexes: 200

Maximum Storage size [MB]: 500

**Figure 4.2. "User Information"**

### 4.1.3. "Group information" (XooNIps>>Site Policies>>Group Information)

Policy settings for the group information (Define the maximum number of items to be registered in a group area and the limit of HDD area to be used by the group).

**Table 4.4. "Initial properties of newly created groups"**

Category	Description
Maximum number of items	Set the maximum number of items to be registered in a group area. Default value: 1000
Maximum number of indexes	Set the maximum number of indexes to be registered in a group area. Default value: 500
Maximum Storage size	Set the maximum storage size in a group area. Default value: 1000(MB)

**Figure 4.3. "Group Information"**

#### 4.1.4. "Item Information" (XooNips>>Site Policies>>Item Information)

Policy settings for the item information.

#### Tip

To update the registered information, click on the submit button for each time.

"Item Publication" (XooNips>>Site Policies>>Item Information>>Item Publication)

**Table 4.5. "Item Publication Policies"**

Category	Pull-down menu	Description
"Certification type"	Certified by moderators	The moderator will certify items. Without being certified, items can not be registered in the public area.
	Certify automatically	Items will be automatically registered in the public area.
"Who can access to the public area?"	All users (including the guest user)	Entitle all users including guest users to download the items.
	Registered user only	Entitle only registered users to download the items.

"Related Other Policies" (XooNips>>Site Policies>>Item Information>>Item Publication)

**Table 4.6. "Related Other Policies"**

Category	Pull-down menu	Description
"Download file type"	Zip with meta-information (Recommended)	Download the zipped files with metadata.
	Original file	Download files in the original format.
"Can users select the publication list from all public items?"	Yes	Allow to choose performance items from all the published items.
	No	Allow to choose performance items only from the items registered by the registered users.

XooNips Configurations >> Site Policies >> Item Information >> **Item Publication**

**Item Publication**  
Policy settings for the item publication.

Item Publication Policies	
<b>Certification type</b> The certification is necessary to open the item to the public. Select the certification type of the item publication.	Certification by moderators
<b>Who can access to the public area?</b> Select user type to access to the public area.	All users (including the guest user)
<input type="button" value="UPDATE"/>	

Related Other Policies	
<b>Download file type</b> Select the download file type of the attachments.	Zipped with meta-informations
<b>Can users select the publication list from all public items?</b> If chose "NO", they can select from their items only.	<input type="radio"/> YES <input checked="" type="radio"/> NO
<input type="button" value="UPDATE"/>	

Figure 4.4. "Item Publication"

### 4.1.5. "Item Types" (XooNips>Site Policies>Item Information>Item Types)

How to change the title and order of item types shown on the homepage:

Ex. Change a title Paper to English.

XooNips Configurations >> Site Policies >> Item Information >> **Item Types**

**Item Types**  
Policy settings for the item types.

>> Display Setting

Please input the integer of the one or more for the display order.

Item Type	Module Name	Weight	Action
Paper <input type="text" value="Paper"/>	XooNips Paper Item Type Module	<input type="text" value="1"/>	
Book <input type="text" value="Book"/>	XooNips Book Item Type Module	<input type="text" value="1"/>	

[returns to the top](#)

Figure 4.5. "Display Setting"

Change Paper to English on the "Display Setting" (XooNips>>Site Policies>>Item Information>>Item Types).

XOOOPS Cube Administration

XooNips Configurations >> Site Policies >> Item Information >> **Item Types**

**Item Types**  
Policy settings for the item types.

>> Display Setting

Please input the integer of the one or more for the display order.

Item Type	Module Name	Weight	Action
Paper <input type="text" value="English"/>	XooNips Paper Item Type Module	<input type="text" value="1"/>	
Book <input type="text" value="Book"/>	XooNips Book Item Type Module	<input type="text" value="1"/>	

[returns to the top](#)

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Figure 4.6. Display Setting 2

A title displayed on the homepage will be changed from Paper to English.

XOOOPS Cube

Welcome Administrator

Main Menu  
Home  
XooNips  
Forum

Registered Members  
**English** Book

Topics  
Forum Topics Register Users List  
Search in the forum Topic Index Category Index

Posts  
Forums  
XooNips Search

XooNips User Menu  
Add New Item  
User List  
Group List  
Notifications  
Index  
Listing Item  
Edit Private Tree  
Import  
Logout  
Administration Menu  
Switch User Account  
Request Item Transfer  
Accept Item Transfer  
OAI-PMH Metadata Search  
XooNips Moderator

Figure 4.7. Display Setting - 3

### 4.1.6. "Import/Export" (XooNIps>>Site Policies>>Item Information>>Import/Export)

Policy settings for the item importing and exporting.

- "Export"

Setup for exporting items:

**Table 4.7. Export**

Category	Description
"Export enabled"	Choose "Yes" or "No". If choose "Yes", the registered user can export self created items.  <b>Tip</b> Note: The moderators can always export all items regardless of this setting.
"Export attachments"	Choose "Yes" or "No". If choose "Yes", the user can export attachment files.

- "Import"

Setup for importing items:

If choose "Yes", the registered user can import data into private area.

#### Tip

Note: The moderators can always import data into all areas regardless of this setting.

XooNIps Configurations » Site Policies » Item Information » Import / Export

**Import / Export**  
Policy settings for the item importing and exporting.

**Export**

**Export enabled**  YES  NO  
If chose "YES", the registered user can export self created items.  
Note : The moderators can always export all items regardless of this setting.

**Export attachments**  YES  NO  
If chose "YES", the user can export attachment files.

UPDATE

**Import**

**Import enabled**  YES  NO  
If chose "YES", the registered user can import data into private area.  
Note : The moderators can always import data into all areas regardless of this setting.

UPDATE

**Figure 4.8. "Import/Export"**

### 4.1.7. "Item Comment" (XooNIps>>Site Policies>>Item Information>>Item Comment)

Comment settings for the item. This function depends on d3forum module.

It has to be installed d3forum module and create forum before setting these options.

- "Directory setting"

Set the directory name of d3forum used by comment function.

- "Forum ID setting"

Set the forum ID made with d3forum.

XoonIps Configurations >>> Site Policies >>> Item Information >>> **Item Comment**

**Item Comment**  
 Comment settings for the item.  
 This function depends on d3forum module. You have to install d3forum module and create forum before setting these options.

Item Comment	
<b>Directory setting</b> Set the directory name of d3forum used by comment function.	d3forum
<b>Forum ID setting</b> Set the forum ID made with d3forum.	0
UPDATE	

[returns to the top](#)

**Figure 4.9. "Item Comment"**

Other settings:

Modify the last line of "xoonips\_detail.html" by using the template editing function of altsys module.

Delete <{\* 3 letters and the last 3 letters}\*> at the beginning.

Custom Blocks (new) | Module Blocks | Templates | Advanced Templates | Languages | ALTSYS Preferences |

**Editing the template : module : xoonips\_detail.html (default)**

diff from file

```

@@ -209,6 +209,8 @@
<#download_confirmation>
<{* Comment out this line if you want to use comment function. *}>
<{* <#d3forum_comment dirname=#dir_name forum_id=#forum_id itemname=item_id subject=#title> *}>
- <#d3forum_comment dirname=#dir_name forum_id=#forum_id itemname=item_id subject=#title>
</#d3forum_comment dirname=#dir_name forum_id=#forum_id itemname=item_id subject=#title>

<#body>
<#if #modify_button_visible==1>
<#smarty.const._MD_XOONIPS_ADD_TO_PUBLIC_EXPLANATION>
<select id="add_to_index_id_sel">
<#foreach item=v from=#index_tree>
  <option value="#{$to.item_id}"><#to.indent_html><#to.select_label>
</#foreach>
</select>
<input class="formButton" type="button" value="#{$smarty.const._MD_XOONIP}
</#if>
<br /><br />
<#foreach key=k item=v from=#http_vars>
<input type="hidden" name="#{$k}" value="#{$v}" />
</#foreach>
<input type="hidden" name="item_id" value="#{$item_id}" />
<#download_confirmation>
<{* Comment out this line if you want to use comment function. *}>
<#d3forum_comment dirname=#dir_name forum_id=#forum_id itemname=item_id subject=#title>
  
```

Reflect Save and Finish Reset

**Figure 4.10. Item Comment (Setting 2)**

Item comment > Forum Manager

**Forum Manager**

Set permissions for this forum

Create a forum

Forum title	item comment
Forum desc	XoonIps comment item
Category	Item comment
Forum weight	0
Format for comment-integration	{XOOPS_URL}/modules/xoonips/detail.php?item_id=%s
Forum options	<input type="checkbox"/> ON/OFF

Submit

**Figure 4.11. Item Comment (Setting - 3)**

Enter the line below at the "Format for comment-integration" field (Item comment>>Forum Manager).

{XOOPS\_URL}/modules/xoonips/detail.php?item\_id=%s

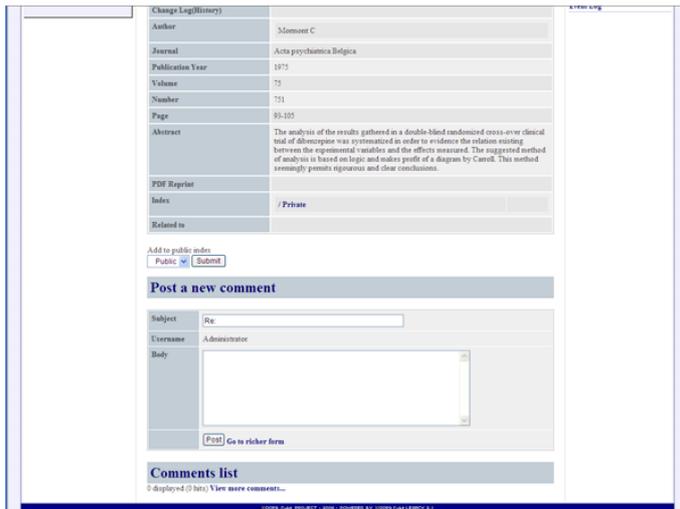


Figure 4.12. Item Comment (Setting - 4)

Now, comments can be added to an item on its "Detail" screen.

#### 4.1.8. "Moderators Privileges" (XooNips>>Site Policies>>Moderators Privileges)

Policy settings for the moderators privileges.

If choose yes, the moderators can modify any user's items.

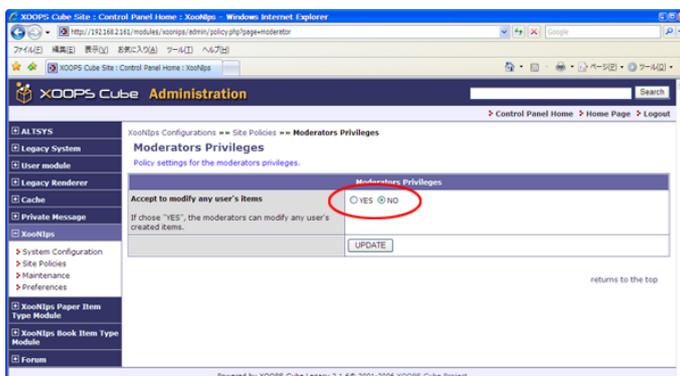


Figure 4.13. "Moderators Privileges"

#### 4.1.9. "Positions" (XooNips>>Site Policies>>Positions)

Configuration for the member's positions (display order and new entries, etc).

List possible job titles as user information.

- "Modify Positions"

For changing job titles and their orders, enter the information in the textbox and click on the [UPDATE] button.

The result will be displayed on a user list by the indicated order.

By clicking on the icon at "Action", the indicated field will be deleted.

- "Add New Position"

Add a new job title. Enter a new job title in the field and click on [Add].

XooNips Configurations >>> Site Policies >>> Positions

### Positions

Configuration for the member's positions. If negative value is entered in 'Weight' field then the position will disappear from the 'User List' view.

**» Modify Positions**

Position	Weight	Action
Professor Professor	10	X
Associate Professor Associate Professor	20	X
Assistant Professor Assistant Professor	30	X
Lecturer Lecturer	40	X
Instructor Instructor	50	X
Research Associate Research Associate	60	X
Research Assistant Research Assistant	70	X
Assistant Assistant	80	X
Secretary Secretary	90	X
Others Others	100	X
Moderator Moderator	500	X
Registered Users Registered Users	510	X

UPDATE

**» Add New Position**

Position	Weight
<input type="text"/>	<input type="text" value="0"/>

ADD

returns to the top

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Figure 4.14. "Positions"

#### 4.1.10. "Rankings" (XooNips>>Site Policies>>Rankings)

Policy settings for the access rankings.

- "Block: XooNips Ranking"

Check the checkbox of the items to be displayed.

The display order can be changed by choosing either of the icons up or down at "Sort". The pulldown list can indicate the stages either up/downward by 1-4 levels.

*If choose 2 and click on the upward triangle, the item will be shifted 2 levels upward.*

Define the range of ranking (top 10, 20 or 30 ...)

- "Block: XooNips Update"

Setup for newly arrived items setting:

Define the range of ranking for newly arrived items.

- "Calculation Days"

Duration for displaying the ranking.

If the checkbox is checked, the sum-file does not affect to access ranking.

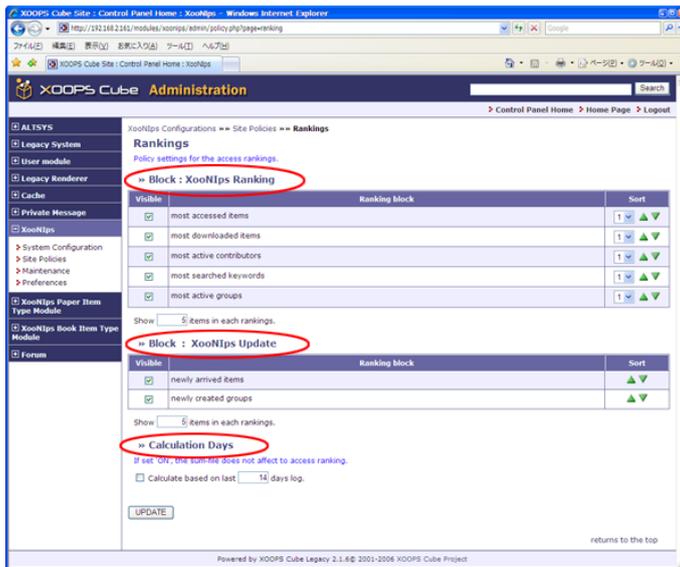


Figure 4.15. "Rankings"

## 4.2. "Maintenance"

This section shows how to perform the routine operations such as adding users, harvesting metadata, etc.

### 4.2.1. "Maintenance" (XooNIPS>>Maintenance)

There are various operations to manage a XooNIPS website.

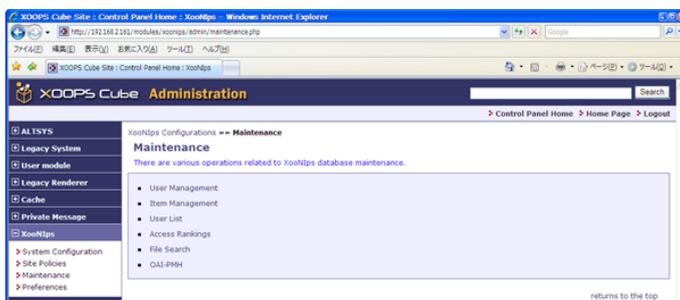


Figure 4.16. "Maintenance"

### 4.2.2. "User Management" (XooNIPS>>Maintenance>>User Management)

How to manage user information (editing/deleting user information, registering new users, etc.).



Figure 4.17. "User Management"

Click on a pen-icon to edit user information.

Click on a X-icon to delete user information.

#### 4.2.2.1. "Register New user" (click on [Register New User], upper right of the "User Management" screen).

Edit the new user's information. The required fields are indicated by "\*". Fill out the fields and click on [UPDATE] below.

Use this screen for changing passwords.

The required fields vary with the setups made on (XooNIps - Site Policies -) User Information.

- Username

Enter a handle (online name) of the user to be displayed on XooNIps

- Real Name

Enter the user's real name

- Email

Enter email address. Check the checkbox if allow other users to view the email address.

- Website

Enter the URL to be published.

- User's Groups

Choose a XOOPS group which the user belongs to.

**Table 4.8. "User's Groups"**

Pulldown menu	Description
Webmasters	Make the user belong to the webmasters group as XOOPS indicates.
Registered User	Make the user belong to the registered users group as XOOPS indicates. General-registered users should belong only to this group.
Moderator	Make the user belong to the moderator group of XooNIps. If a new registered user is to play the role of moderator, he/she has to belong to the moderator group (not registered user group).

- Position

Choose the user's position from the pulldown list.

- Division

Enter the division the user belongs to.

- Company Name

Enter the company/university/institution name the user belongs to.

- Phone Number

Enter the telephone number if wish to publish it.

- FAX Number

Enter the fax number if wish to publish it.

- Address

Enter the address if wish to publish it.

- Country

Enter the country where the user live.

- Zipcode

Enter the ZIP code, if wish to publish it.

- Time zone

Choose a time zone according to the user's country.

- Interests

Enter the user's interests, if wish to publish it.

- Free Description

Describe anything you want.

- Signature

Enter the user's signature. Check/uncheck the checkbox "Always attach my signature".

- Password

Register a password.

- Verify Password

Enter the password again to confirm it.

- New Item Mail Notification [per day]

Set the frequency of email notification by the day.:" (Listed later in this section).

This is applicable only if it's been set as "Email (Pulldown menu)" at "Notification Method:" (Listed later in this section).

- Maximum Private Items

Enter the maximum number of items to be registered in a private area.

Default value: 500

- Maximum Private Indexes

Enter the maximum number of indexes for a private area.

Default value: 200

- Maximum Disk Space for Private Items [MB]

Enter the maximum disk capacity for a private area by the MB.

Default value: 500

- Comment Display Mode

Choose a comment display mode from the pulldown menu.

This is for XOOPS standard comment function. Note that this is not for adding comments to the items on XooNIps3.4.

**Table 4.9. Comment Display Mode**

<b>Comment Display Mode (Pull-down)</b>	<b>Description</b>
Nested	Comments will be nest-displayed. Comments will be indented according to the tree.
Flat	Comments will be flat-displayed. Comments will be displayed in the order of being posted.
Threaded	Comments will be sorted by groups according to the title. The first posting of all in a thread will be displayed with the full text, but the others will follow with each title underneath.

- Comments Sort Order

Choose either of "Oldest First" or "Newest First" from the pulldown menu.

**Table 4.10. Comments Sort Order**

<b>Pulldown menu</b>	<b>Description</b>
Oldest First	Comments will be sorted out from the oldest to the newest.
Newest First	Comments will be sorted out from the newest to the oldest.

- Rank

Setup for ranking

Leave it as it is.

- Notification Method: When you monitor e.g. a forum, how would you like to receive notifications of updates?

Define a manner of receiving notification messages of updated events.

**Table 4.11. Notification Method**

<b>Pulldown menu</b>	<b>Comment</b>
Temporarily Disable	Temporarily stop receiving the messages.
Private Message	via PM function of XOOPS.
Email (use address in my profile)	via the registered email address.

- Default Notification Mode

Define the timing for being notified.

**Table 4.12. Default Notification**

<b>Pulldown menu</b>	<b>Comment</b>
Notify me of all selected updates	To be notified every time events are updated.
Notice me only once	To be notified only once
Notify me once then disable until I log in again.	Once it notifies, it won't notify until it is logged in again.

- Receive occasional email notices from administrators and moderators?

Choose "Yes", if wish to receive email messages about news update on XooNIps.

XooNips Configurations >> Maintenance >> User Management >> Register New User

### Register New User

Register New User	
Username*	<input type="text"/>
Real Name	<input type="text"/>
Email*	<input type="text"/> <input type="checkbox"/> Allow other users to view my email address
Website	<input type="text"/>
User's Groups	<input type="text"/> <ul style="list-style-type: none"> <li>Webmasters</li> <li><b>Registered Users</b></li> <li>moderator</li> </ul>
Position	<input type="text"/>
Division	<input type="text"/>
Company Name	<input type="text"/>
Phone Number	<input type="text"/>
FAX Number	<input type="text"/>
Address	<input type="text"/>
Country	<input type="text"/>
Zipcode	<input type="text"/>
Time Zone	(GMT) Greenwich Mean Time, London, Dublin, Lisbon, Casablanca, Monrovia
Interest	<input type="text"/>
Free Description	<input type="text"/>
Signature	<input type="text"/> <input type="checkbox"/> Always attach my signature
Password*	<input type="text"/>
Verify Password*	<input type="text"/>
New Item Mail Notification (par days)	<input type="text" value="0"/>
Maximum Private Items*	<input type="text" value="500"/>
Maximum Private Indexes*	<input type="text" value="200"/>
Maximum Disk Space for Private Items [MB]*	<input type="text" value="500"/>
Comments Display Mode*	Nested
Comments Sort Order*	Oldest First
Rank*	<input type="text"/>
Notification Method: When you monitor e.g. a forum, how would you like to receive notifications of updates?*	Private Message
Default Notification Mode*	Notify me of all selected updates
Receive occasional email notices from administrators and moderators?*	<input type="radio"/> YES <input checked="" type="radio"/> NO
<input type="button" value="UPDATE"/>	

**Figure 4.18. "Register New User"**

The entered information can be viewed at the "User Information" (on a XooNips website, User Menu >> User List).

### 4.2.3. "Item Management" (Maintenance>>Item Management)

Operations for item management (to withdraw, delete and transfer items).

- "Withdraw Items"

Cancel the published items.

- "Delete Items"

Delete the published items.

- "Transfer items"

Transfer a resigned user's items to another existing user.

#### 4.2.3.1. "Withdraw Items" (XooNips>>Maintenance>>Item Management>>Withdraw Items)

Withdraw the items registered in the public area by each index.

#### Tip

The item will be withdrawn from the public area, but not be deleted.

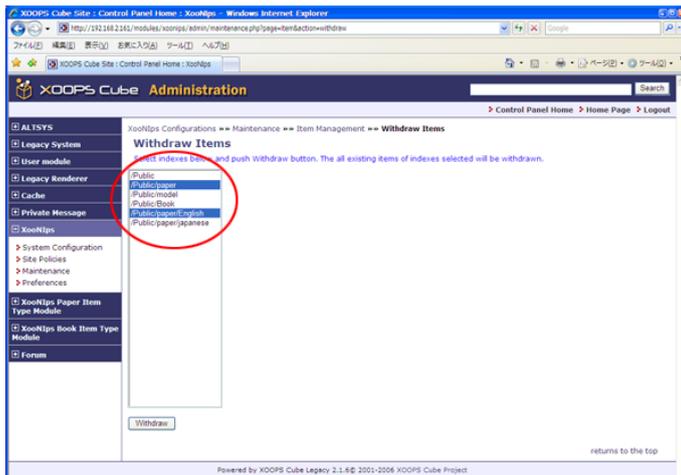


Figure 4.19. "Withdraw Items"

#### 4.2.3.2. "Delete Items" (XooNips>>Maintenance>>Item Management>>Delete Items)

Delete a user's items by each index.

Choose a user from the pulldown list and click on [Next].

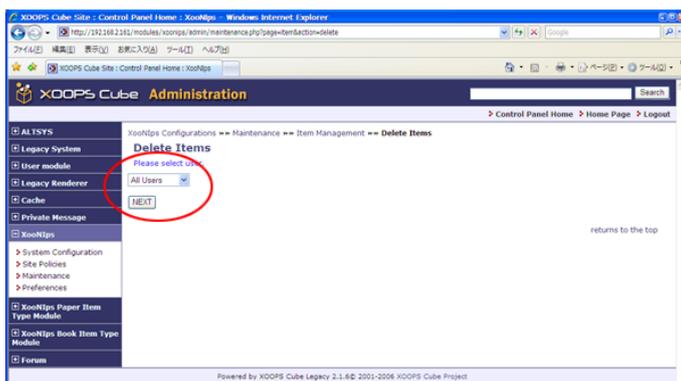


Figure 4.20. "Delete Items"

Choose an index to be deleted from the pulldown list and click on [DELETE].

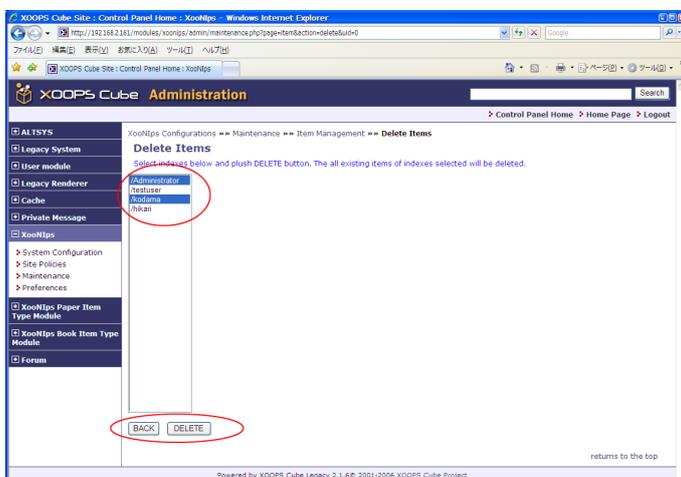


Figure 4.21. Delete Items 2

### 4.2.3.3. "Transfer Items" (XooNlps>>Maintenance>>Item Management>>Transfer items)

The registered items can be modified or deleted by the user who has originally registered them.

If the original user resigns from the site, his/her items can be transferred to another user.

Choose users from the pulldown menu: "From" (the one who transfers the item), "To" (the other who is transferred the item).

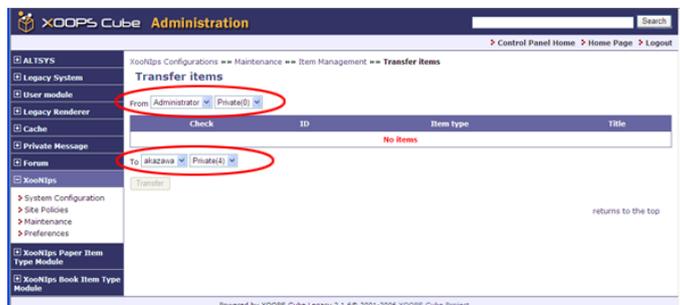


Figure 4.22. "Transfer Items"

Check the item to be transferred and click on the [Transfer] button.

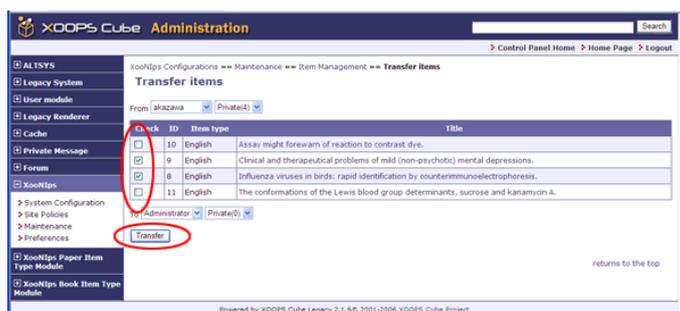


Figure 4.23. "Transfer Items - 2"

A confirmation screen will appear. Click on [Transfer] button on the screen.

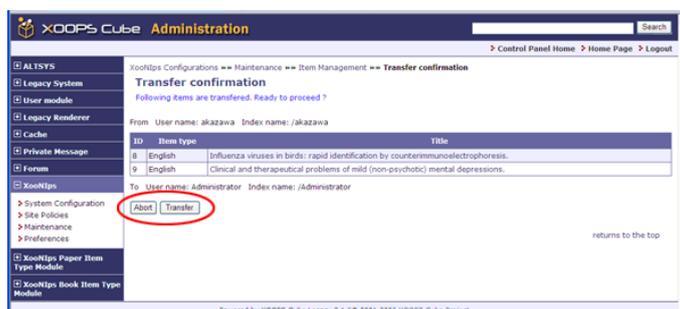


Figure 4.24. "Transfer Item- 3"

### 4.2.4. "User List" (XooNlps>>Maintenance>>User List)

Order each of the user by entering numbers at the "Weight" field and click on the [UPDATE] button.

If the user is set as 0 or less, it will not be displayed.

"Position" is the only to be applied for reorganizing the User List.

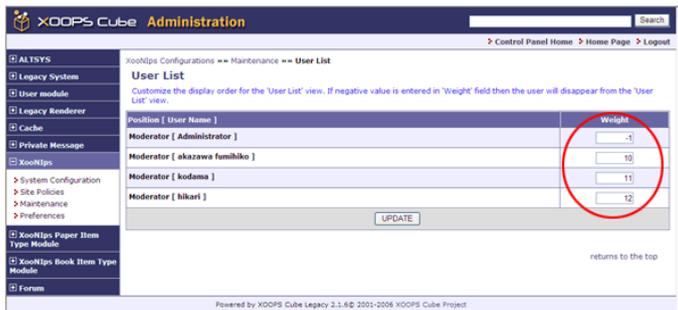


Figure 4.25. "User List"

The result can be found at the "User List" of the intended XooNips website.

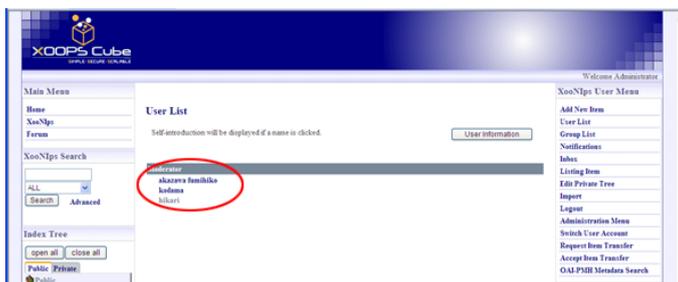


Figure 4.26. User List - 2

### 4.2.5. "Access Rankings" (XooNips>>Maintenance>>Access Rankings)

The sum of access ranking will automatically be generated from the event-log.

This function allows to perform "Download", "Upload", "Clear SUM (reset the value)".

By uploading the ranking files, the sum of access rankings can be taken over even if the site will be moved.

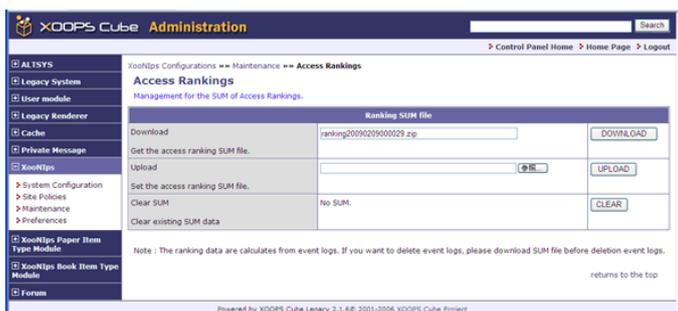


Figure 4.27. "Access Rankings"

### 4.2.6. "File Search" (XooNips>>Maintenance>>File Search)

Management for the file search indexes:

- "File Search Plugins"

Display the list of available file search plugins.

- "Rescan All Files"

Click on [Rescan] when the version of a plugin is updated and it is necessary to rebuild the file search indexes.



Figure 4.28. "File Search"

## 4.2.7. "OAI-PMH" (XooNIps>>Maintenance>>OAI-PMH)

Management for the harvest results and harvester execution.

### Tip

It is necessary to conduct the following manual operations whenever metadata is to be harvested.

- "Repository URLs"  
Move to the screen of the repository URL for editing it.
- "Recent Results"  
Display the latest result.
- "Harvest"  
Start harvesting by clicking on the [Harvest Now] button.

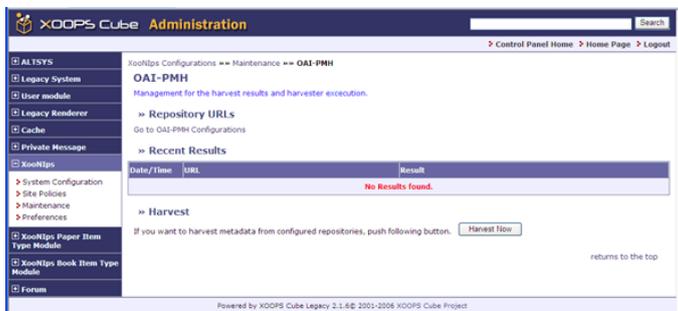


Figure 4.29. "OAI-PMH"

# Chapter 5. How to operate a XooNips database website

This chapter shows the basic operations of a XooNips database site.

Note: as a feature of XooNips, screen designs can be easily changed by using XOOPS templates (themes). Therefore, the site (screen) design shown in this chapter is an example; it may not be applied to the site you have built or are going to access.

## 5.1. Guest

This section shows the operations that the guest users are entitled to perform on XooNips.

### 5.1.1. How to search and browse the published items (information):

The guest users are permitted to search and browse the registered items in the public area.

A list will be displayed by clicking on an item type (ex. "Binders", "model" as described) at the "Index Tree".

"XooNips Search" is for searching items by item type or metadata.

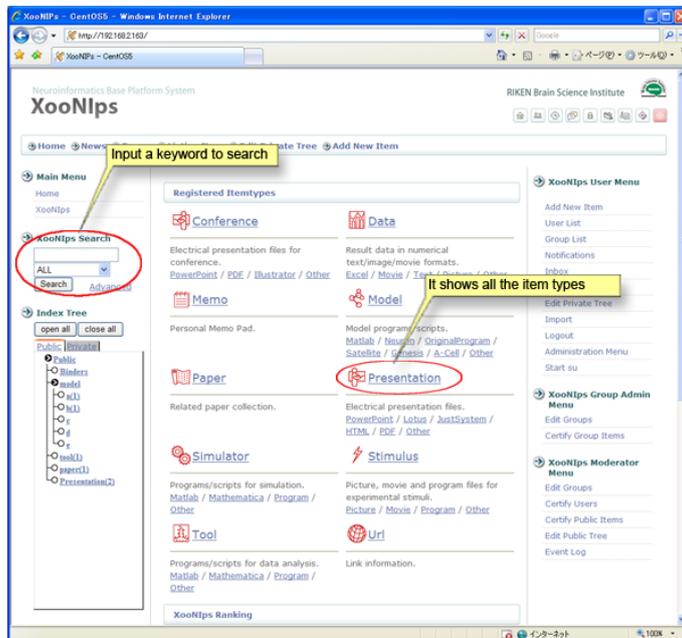


Figure 5.1. Home page

On a "Listing item" screen, the order of the listed items can be changed by the pulldown menu at "Order by". The conditions vary with the item types.

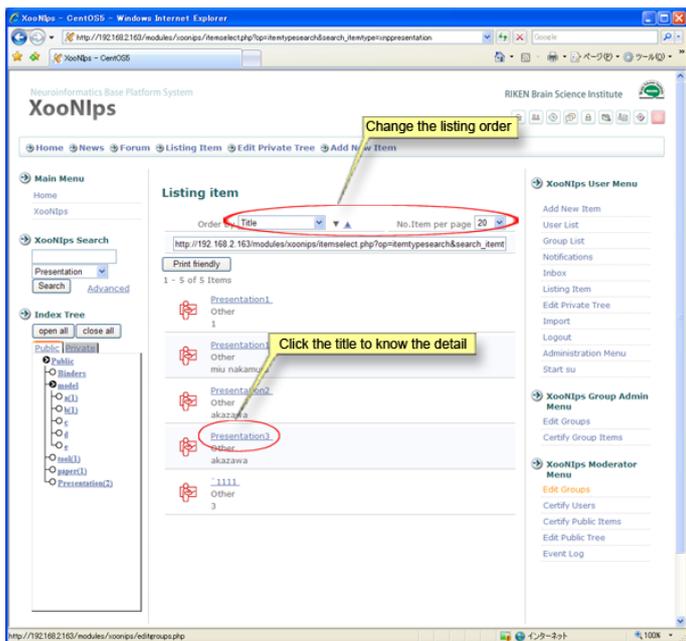


Figure 5.2. "Listing item" (search result)

On a "Detail" screen, [Download] button will appear only if the item is permitted to be downloaded by guest users.

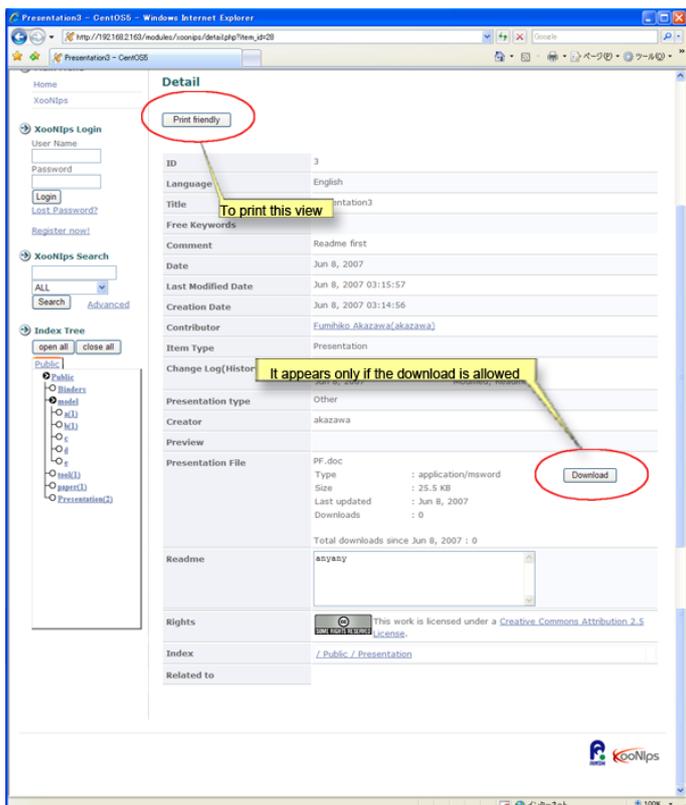


Figure 5.3. "Detail"

Downloading will be permitted only if the user agrees with the license condition.

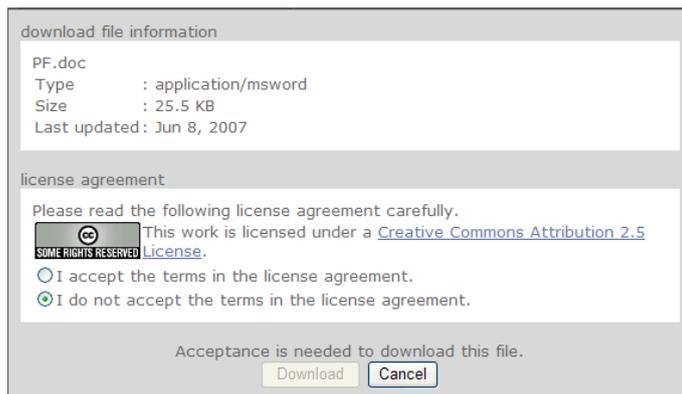


Figure 5.4. "License agreement"

## 5.1.2. Advanced search

Each item can be searched by detailed conditions.

Click on the link [Advanced].

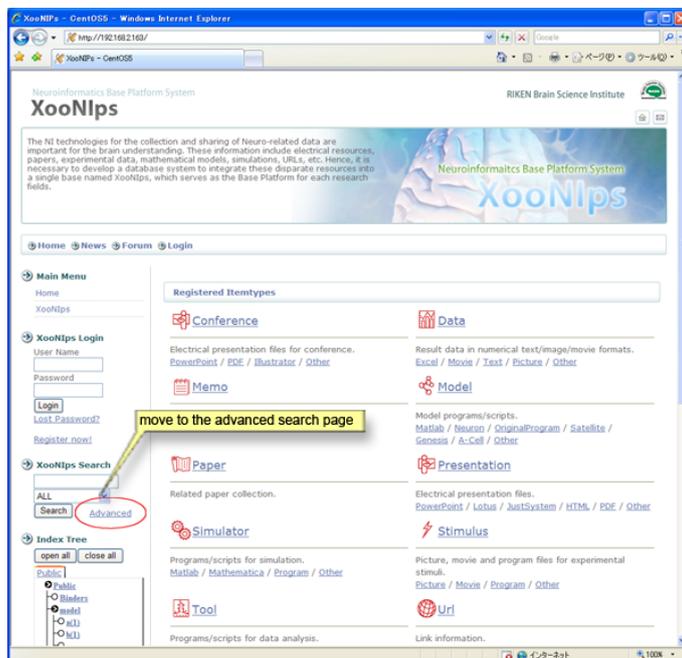


Figure 5.5. Advanced search

On a "Search Items" screen, check an item type (ex. "Title", "Presentation Type", etc.) to open entry fields will appear. Fill in the fields and click on the [Search] button to start searching.

Item types can be chosen more than one.

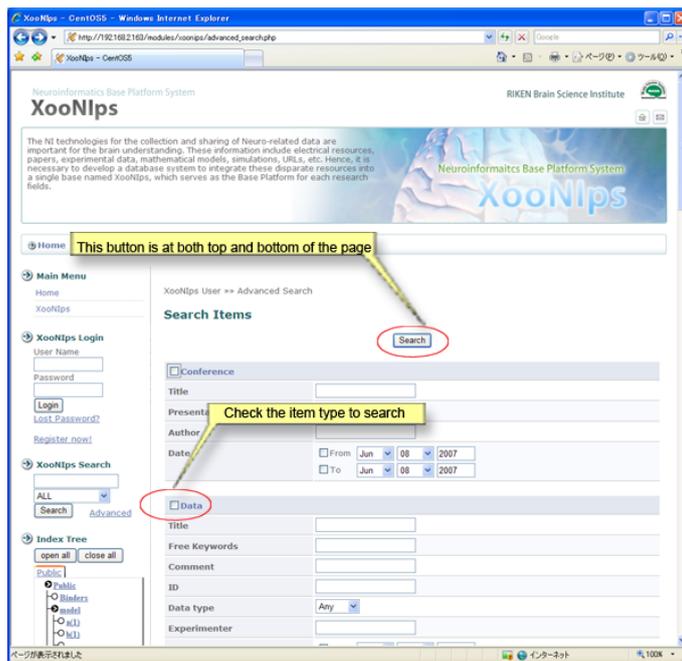


Figure 5.6. Advanced search 2

### 5.1.3. XooNips Ranking

"XooNips Ranking" lists the titles of most accessed items. Click on a link to go to its detailed information.

"XooNips Ranking" will not be shown if it is not permitted for guest users to view.

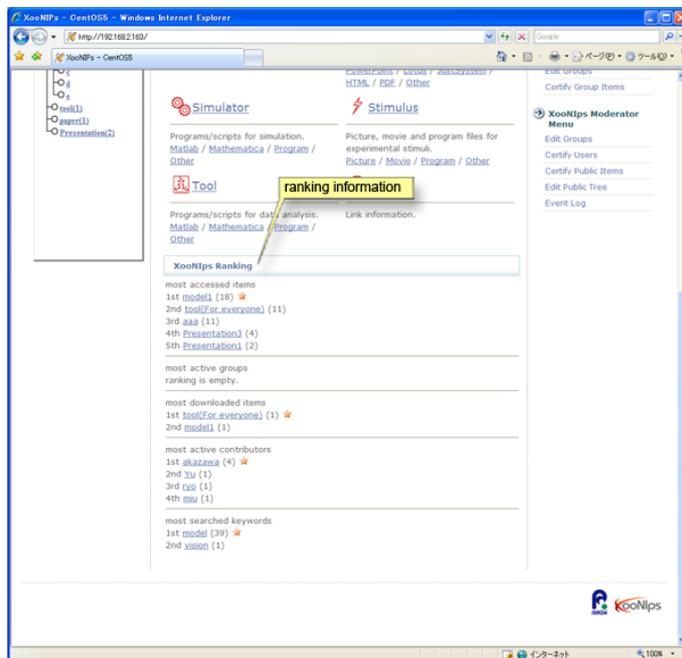


Figure 5.7. "XooNips Ranking"

### 5.1.4. Admission/registration

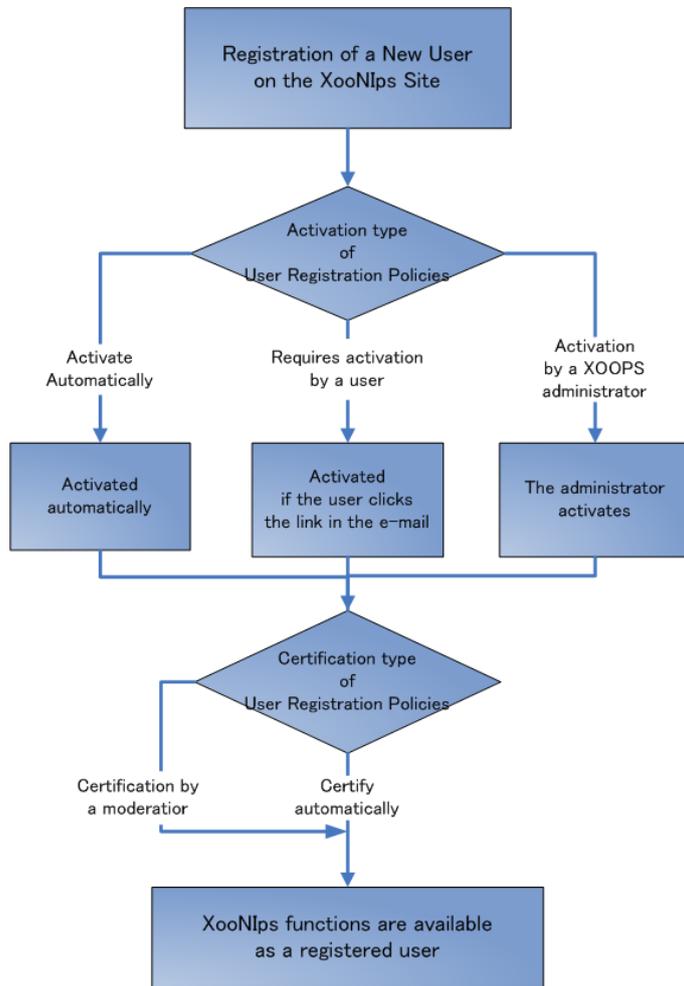
Outline of new user registrations.

#### 5.1.4.1. Registration flowchart

To use the XooNIps functions, the user has to be approved by a moderator to become a registered user.

**Tip**

It may automatically be approved, depending on the condition set on the site policy (XOOPS).



**Figure 5.8. Registration flowchart**

**5.1.4.2. How to register**

Click on the link [Register now!]

**Tip**

The location of the link on the screen varies with the site designs.

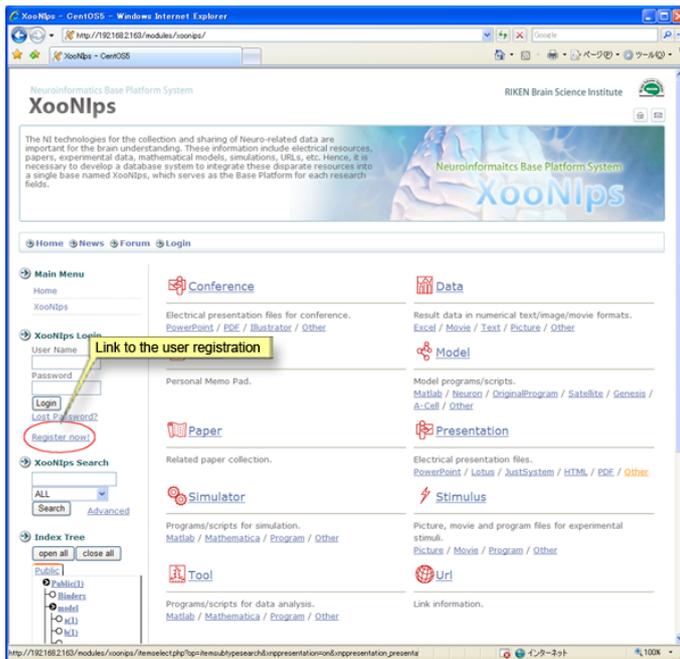


Figure 5.9. Admission

Fill in the entry fields at "User Registration".

The fields indicated "\*" are essentials designed by the site policy. Click on the [Submit].

After submitting the registration, it may require a moderator's approval according to the site policy.

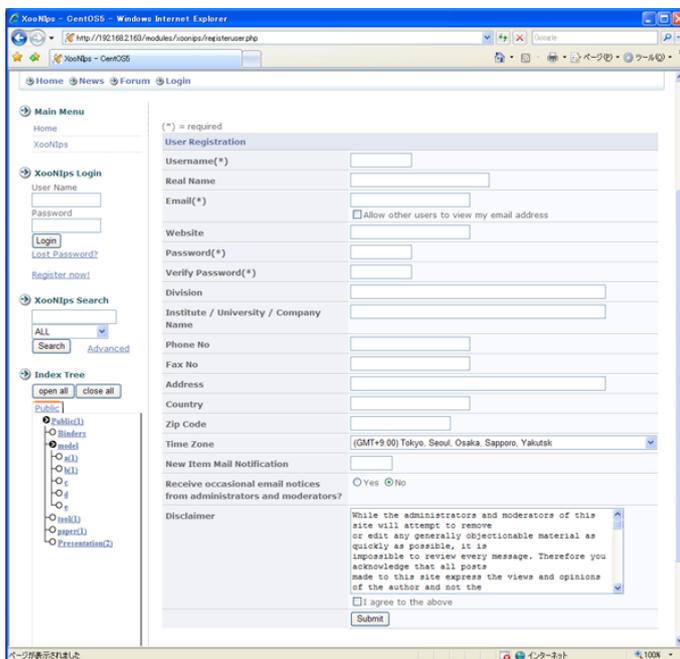


Figure 5.10. Admission

## 5.2. Registered user

This section shows the operations that the registered users are entitled to perform on XooNips.

### 5.2.1. Login

Enter the user name and password to login.

## Tip

Login field is not always located as shown in this manual due to the variety of site designs.

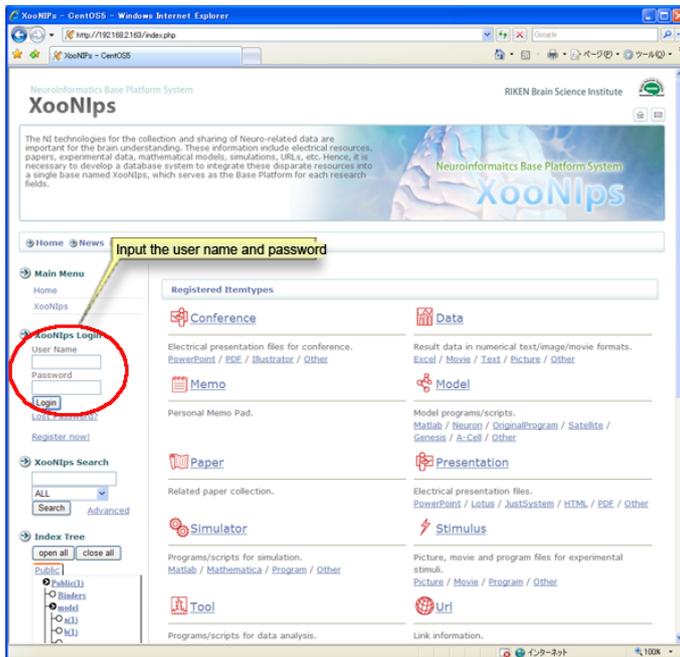


Figure 5.11. Login

## 5.2.2. Logout

Click on the [logout] (a link or button).

## Tip

[Logout] is not always located as shown in this manual due to the variety of site designs.

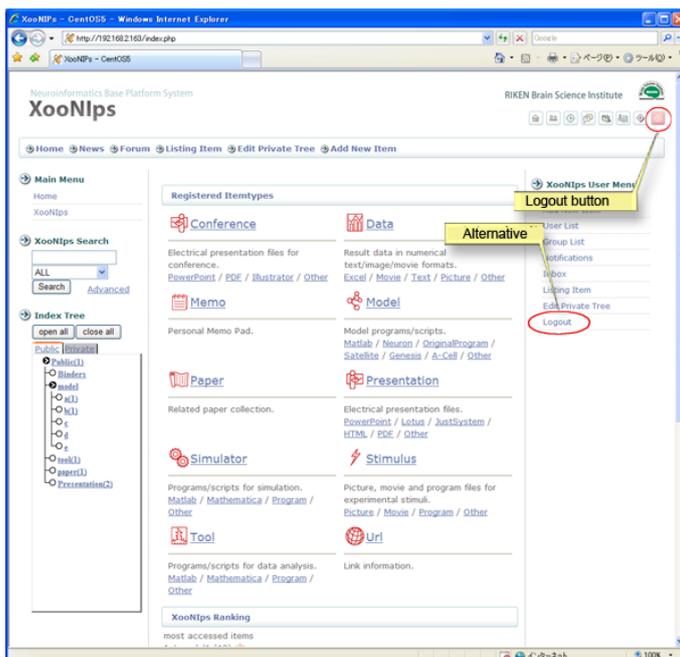


Figure 5.12. Logout

### 5.2.3. Edit private (index) trees

How to organize and manage the items in a private area:

Click on the link [Edit Private Tree] at "XooNips User Menu".

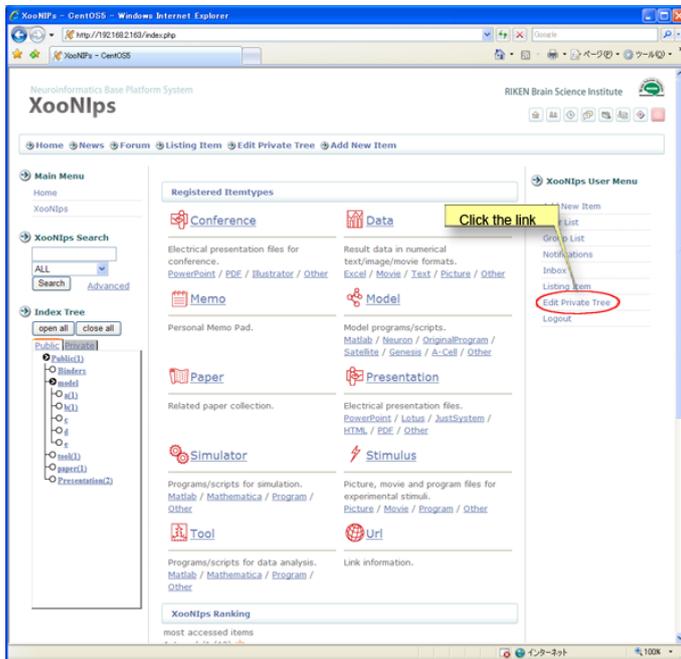


Figure 5.13. Edit private trees.

1. How to register a new keyword:

Enter a new keyword in the field "New Index Keyword", and click on the [register] button.



Figure 5.14. Edit private trees

A new index keyword will be registered underneath the private tree

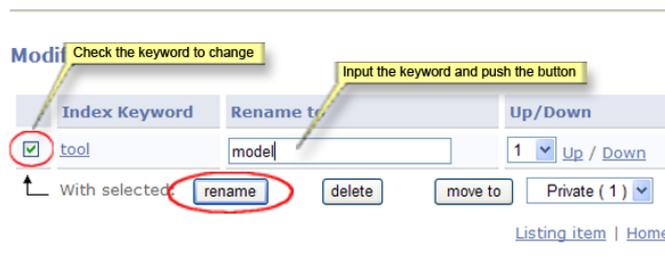


Figure 5.15. Register a new keyword to the private index.

2. How to change keywords:

Registered keywords can be modified.

Check the keyword to be modified and enter a new keyword in the field "Rename to", then click on the [rename] button.



**Figure 5.16. Change keywords**

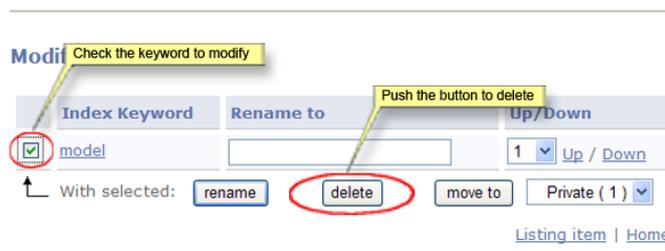
The keyword "tool" has been changed to "model".



**Figure 5.17. Index Tree with a changed keyword.**

3. How to delete a keyword:

Check the checkbox of the keyword to be deleted and click on the [delete] button.



**Figure 5.18. Delete a keyword**



**Figure 5.19. Index (the keyword has been deleted)**

4. Change the order of keywords:

How to change the order of Keywords:

Indicate a number from 1 to 10 from the dropdown list at "up/down".

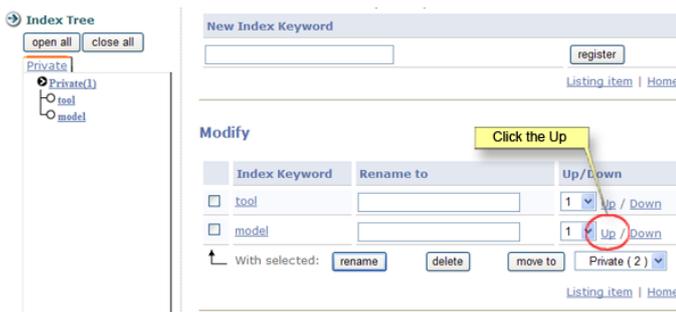


Figure 5.20. Change the order of keywords



Figure 5.21. Index (the order of keywords has been changed)

5. Shift keywords

How to shift keywords:

Choose one from the dropdown list next to the [move to] button and click on it.

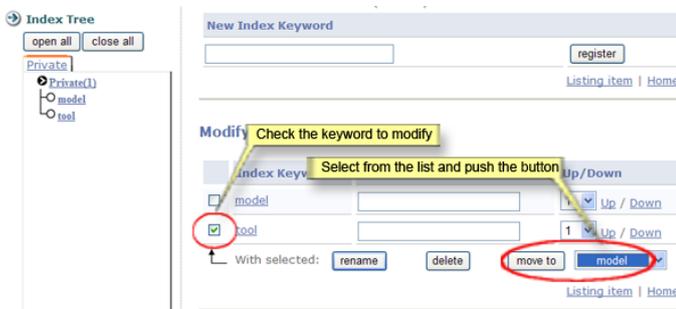


Figure 5.22. Shift keywords

To show the result, click on the [open all] button at the "Index Tree".



Figure 5.23. Show the shifted keyword

The keyword [tool] has been shifted underneath [model].



Figure 5.24. Index (the keyword has been shifted)

## 5.2.4. Item management

### 5.2.4.1. Item management

How to register new items:

Click on the link [Add New Item] at "XooNIps User Menu".

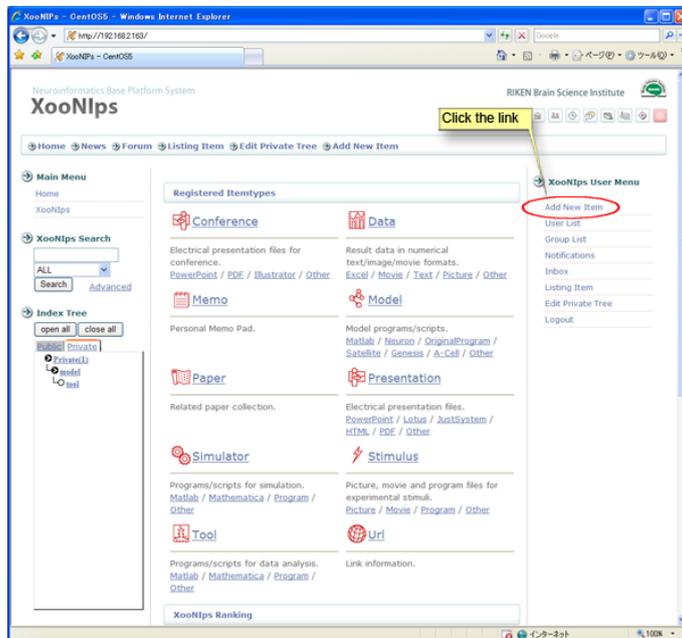
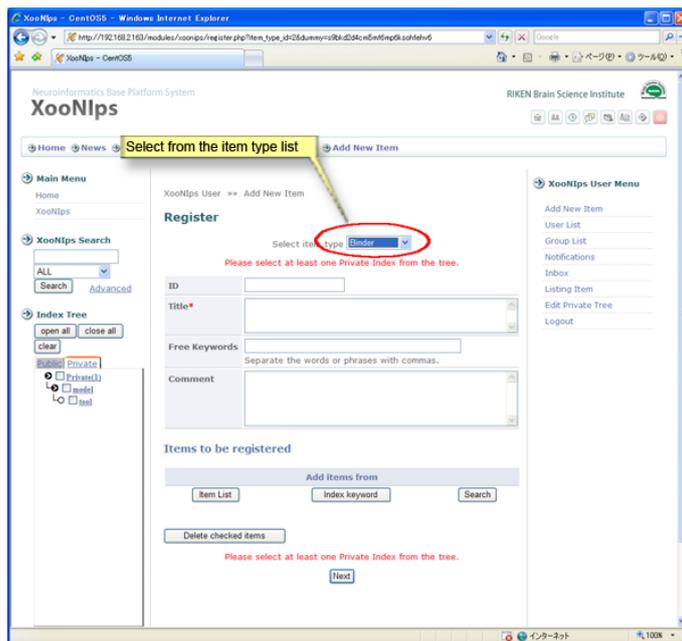


Figure 5.25. New item registration

Choose an item type from the dropdown list.



**Figure 5.26.** Choose a new register item type.

After choosing an item type, a "Register" screen appears.

Check at least one checkbox of a keyword at "Private" index to which the item belongs.

The items with "\*" are required.

For the "ID" field, always enter the same value. If the ID is duplicated, it will be regarded as an error.

**Register**

Select item type **Tool**

ID: 123

Language: English

Title\*: tool for XooNIps

Free Keywords: XooNIps tools  
Separate the words or phrases with commas.

Comment: for XooNIps user

Date: Jun 10 2007

Tool type: Program

ryo shihono

Preview: File: [ ] [Upload] [参観...]  
Caption: [ ]

Tool file\*: C:\sourceforge\JP\XooNIps\themes\XooNIps\theme\_block: [参観...]

Download Limitation:  Login User  Everyone

Download Notification:  Yes  No  
This option is effective only if download limitation option is "login user" and event "notify when item is downloaded" is "on"

Readme: [Edit]

Rights:  Some rights reserved

- Allow commercial uses of your resource?
  - Yes
  - No
- Allow modifications of your resource?
  - Yes
  - Yes, as long as o
  - No

 All rights reserved [Edit]

Index\*: [ ]

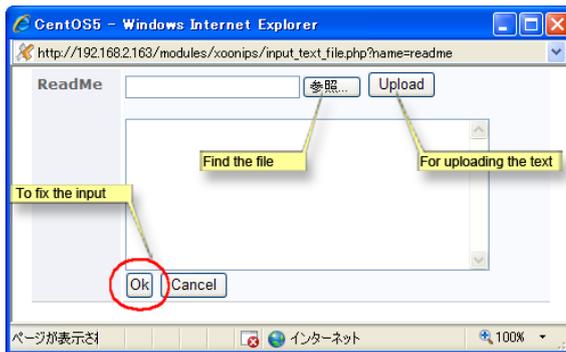
Related to: Please write a related item: [ ] [Search items(new window)]

[Next]

Annotations:  
- Check the keyword to register (points to Index Tree)  
- To open another window (points to Search items(new window))  
- Input the itemID searched on another window (points to Related to field)  
- Move to the Confirmation Step (points to Next button)

**Figure 5.27. Register items (TOOL)**

- "Download Limitation":  
Decide whom to be permitted to download the items (ex. login users only or all the users including guests).
- "Download Notification":  
An option available only if login users are set to be permitted to download the items.  
It depends on the system configuration of the site.
- "Readme":  
Click on the link [Edit], and a window will open. Indicate a file and click on the [upload] button; or, directly edit in the textbox and click on the [OK] button.



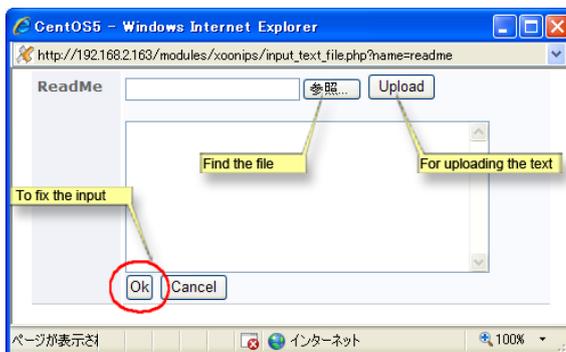
**Figure 5.28. Edit Readme**

- "Rights":

To set the Creative Commons license. Or, edit an original license, click on the link [edit] to open an edit window.

Rights edit window:

Click on the link [Edit] to open an edit window. Indicate a file and click on the [upload] button. Or edit an original text in the textbox and click on the [upload] button.



**Figure 5.29. Edit Rights**

- "Related to":

To indicate other related items.

### Tip

Identify related items by item IDs. The item IDs are the values automatically numbered, which are not the same as the other "ID" entered on the "Register" screen.

Click on the [Search items (new window)] button to open another window.

"Listing item" window:

Click on the [Search] button to open another window for searching items.

To inquire the item ID of related items by using "Index Tree" or "XooNIps Search".

### Tip

This screen allows only to inquire item IDs. For registering item IDs, return to the "Register" screen.

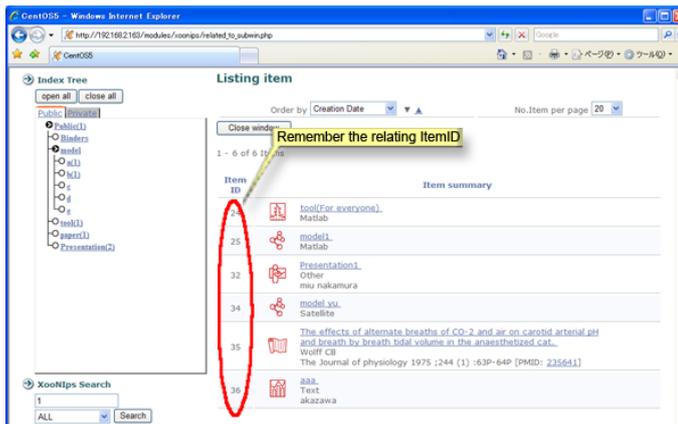


Figure 5.30. "Listing item" window

Click on the [Next] button on the "Register" screen to open a confirmation screen. Click on the [update] button to confirm the registration.

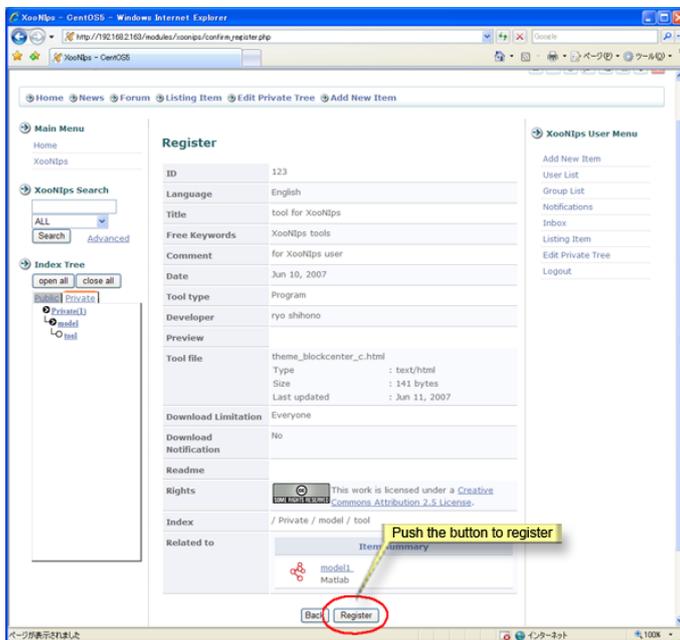


Figure 5.31. Confirm the registration

### 5.2.4.2. Edit items

Go to the "Detail" screen of the intended item. Use "Index Tree" or "XooNIps Search" to search for it.

**Detail**

<b>ID</b>	123
<b>Language</b>	English
<b>Title</b>	tool for XooNIps
<b>Free Keywords</b>	XooNIps tools
<b>Comment</b>	for XooNIps user
<b>Date</b>	Jun 10, 2007
<b>Last Modified Date</b>	Jun 11, 2007 01:09:21
<b>Creation Date</b>	Jun 11, 2007 01:09:21
<b>Contributor</b>	<a href="#">ryo shihono(ryo)</a>
<b>Item Type</b>	Tool
<b>Change Log(History)</b>	
<b>Tool type</b>	Program
<b>Developer</b>	ryo shihono
<b>Preview</b>	
<b>Tool file</b>	theme_blockcenter_c.html Type : text/html <input type="button" value="Download"/> Size : 141 bytes Last updated : Jun 11, 2007 Downloads : 0 Total downloads since Jun 11, 2007 : 0
<b>Readme</b>	<div style="border: 1px solid #ccc; height: 40px;"></div>
<b>Rights</b>	 This work is licensed under a <a href="#">Creative Commons Attribution 2.5 License</a> .
<b>Index</b>	<input type="text" value="/ Private / model / tool"/>
<b>Related to</b>	<div style="border: 1px solid #ccc; padding: 5px;"> <p style="text-align: center;"><b>Item summary</b></p> <p> <a href="#">model1</a> Matlab</p> </div>

Add to public index

**Figure 5.32. Detail of an item**

Click on [Modify] button, and a "Modify" screen will appear. Make modifications as necessary and click on [Next] button.

**Modify**

Number of Items: 1 / 100  
Storage of Items: 0.00MB / 1000.00MB

ID	123	To modify the title
Language	English	
Title*	common tools for XooNIps	
Free Keywords	XooNIps tools Separate the words or phrases with commas.	
Comment	for XooNIps user	
Date	Jun 10 2007	
Last Modified Date	Jun 11, 2007 01:09:21	

Cut

Cut

To the next confirmation step

Next

**Figure 5.33. Modify details of an item**

On the "Detail" screen, modification history will be shown.

#### Detail

Modify Delete Print friendly

ID	123	Title has changed
Language	English	
Title	common tools for XooNIps	
Free Keywords	XooNIps tools	
Comment	for XooNIps user	
Date	Jun 10, 2007	
Last Modified Date	Jun 11, 2007 02:25:32	
Creation Date	Jun 11, 2007 01:09:21	

**Figure 5.34. Item modification history**

### 5.2.4.3. How to delete items:

Delete items

Go to the "Detail" screen of the item to be deleted. Use "Index Tree" or "XooNIps Search" for search the intended item.

Click on the [Delete] button to open a dialog box and choose [OK].

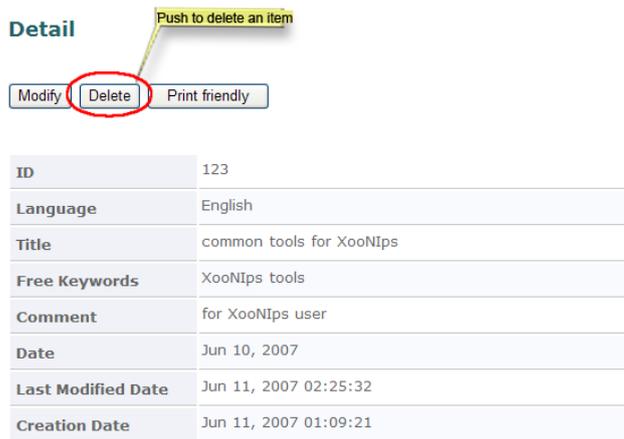


Figure 5.35. Delete items

#### 5.2.4.4. Binder item type

"Binder" is an item type, by which items can be collectively managed.

To identify the items to be registered in a Binder, use either of the following 3 commands on the "Register" screen.

- [Item list]  
Choose items from the item list.
- [Index keyword]  
Choose the item to be registered in a Binder by using Index Tree.
- [Search]  
Choose the item to be registered in a Binder by using detail search.

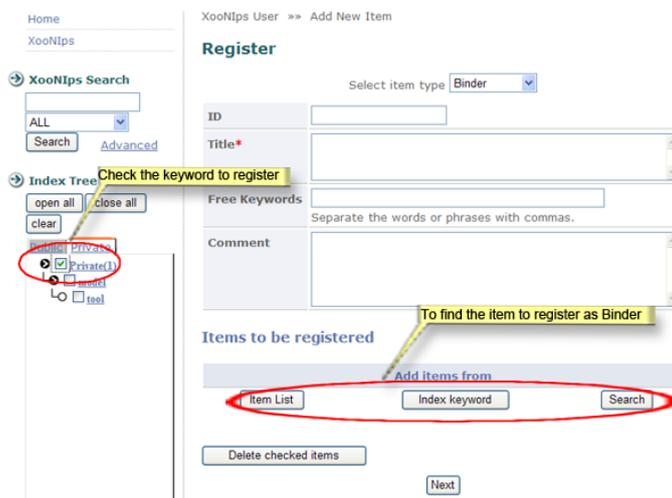


Figure 5.36. Binder registration screen

##### 1. How to choose by [Item list]

Click on [Item list]. Choose items from the list showing the applicable items (registered in the Public Index and the user's private index.)

Check the checkbox of the item to be registered and click on the [Select] button to confirm.

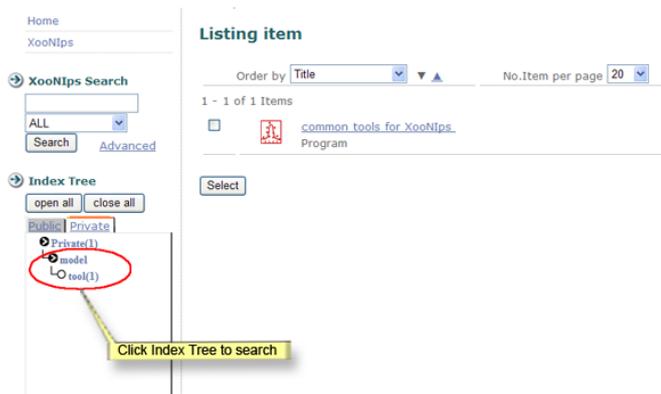


**Figure 5.37. Binder registration by [Item list]**

2. How to choose by an index keyword:

Click on an intended keyword at "Private" index.

Check the checkbox of the item to be registered in a Binder and click on the [Select] button to confirm the registration.



**Figure 5.38. Binder registration by [Index Keyword]**

3. How to choose by [Search]

Click on [Search], and a "Detail" search screen will appear. Search the item to be registered in a Binder in the same manner as normal search.

Check the checkbox of the intended item and click on the [Select] button.

Click on the [Next] button to confirm the registration.

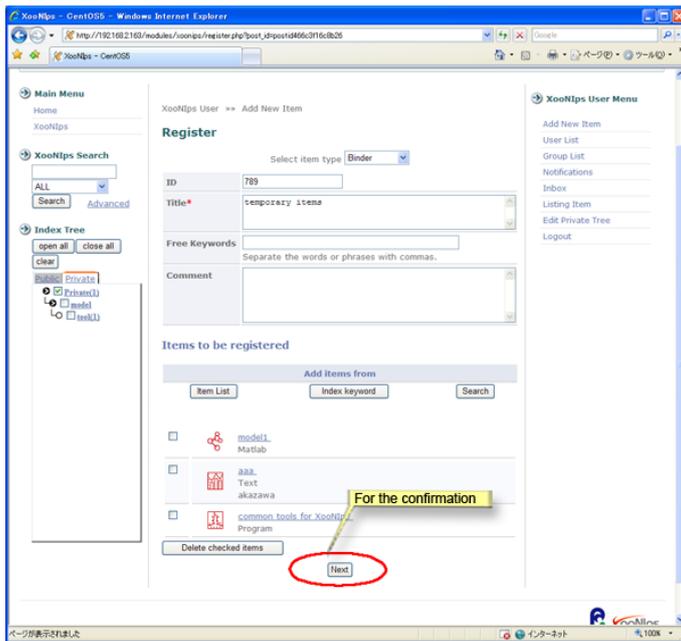


Figure 5.39. Binder registration confirmation screen

### 5.2.4.5. Register items (paper type)

On the "Register" screen for Paper items (XooNips User Menu>>Add New Item; pulldown menu "Paper" at "Select item type"), there is "PubMedID" field. If a PubMedID is given, enter the ID and click on the [Complete] button, then the other following related information will be automatically filled out.

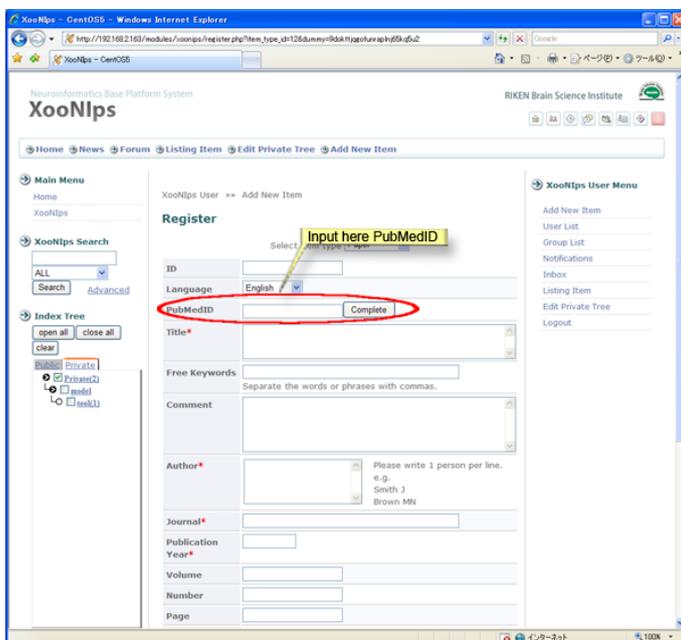


Figure 5.40. "Register" screen for Paper items

### 5.2.4.6. Register items (Book type)

On the "Register" screen for Book item, there is ISBN code field. If the code is identified, enter it (10 or 13 digits) and click on the "Complete" button, then the other related information will be automatically filled out. In this case, the URL field will be filled with the detailed information provided by Amazon.

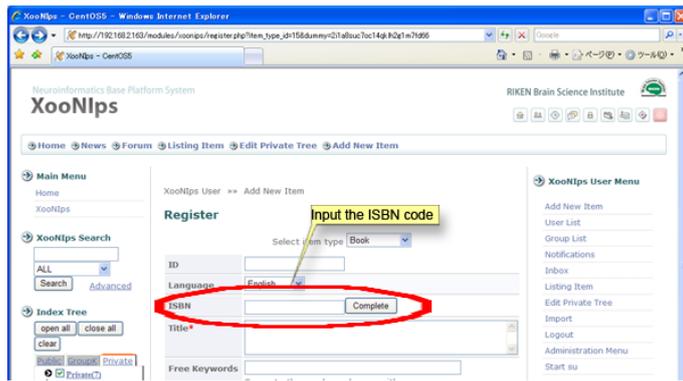


Figure 5.41. Registration screen for Book items

### 5.2.5. Item publication

To register an item in the public area, it may require to be reviewed by the moderator for approval according to the site policy.

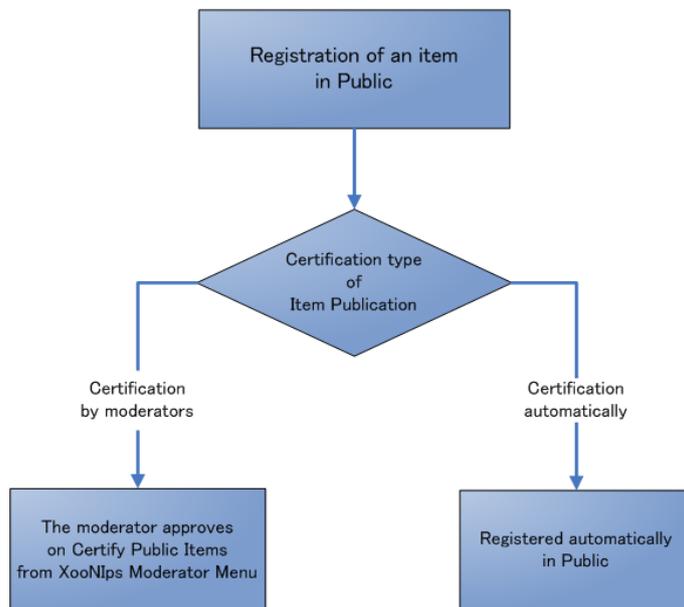


Figure 5.42. Publishing item flowchart

#### 5.2.5.1. Publish items

Go to the "Detail" screen of the item to be published in the Public area, by using "Index Tree" or "XooNIps Search".

Choose an index keyword of the Public area from the "Add to public index" dropdown list at the bottom and click on the [Submit].

**Detail**

Modify Delete Print friendly

ID	256
Language	English
Title	common tools for xooNIps
Rights	 This work is licensed under a <a href="#">Creative Commons Attribution 2.5 License</a> .
Index	/ Private / model / tool
Related to	
Add to public index	<input type="text" value="tool"/> Submit

**Figure 5.43. Publishing item registration screen**

Item publishing may be controlled by the site policy. Therefore, it may require a review to be approved by the moderator.

**Listing item**

/ Public / tool Add item Print friendly

Order by Title No.Item per page 20

1 - 2 of 2 Items

	<a href="#">common tools for XooNIps</a> Program	(Pending)
	<a href="#">tool(For everyone)</a> Matlab	

*means the item is waiting for the approval*

**Figure 5.44. Publishing item confirmation screen**

## 5.2.6. Group

XooNIps allows to make a group among the registered users.

The group will be given a specific area where information can be shared with the members.

### 5.2.6.1. Join a group

Search a group registered on XooNIps.

Contact the group administrator via email or private message to ask for group admission.

The group administrator or moderator will perform the operations for adding members to the group.

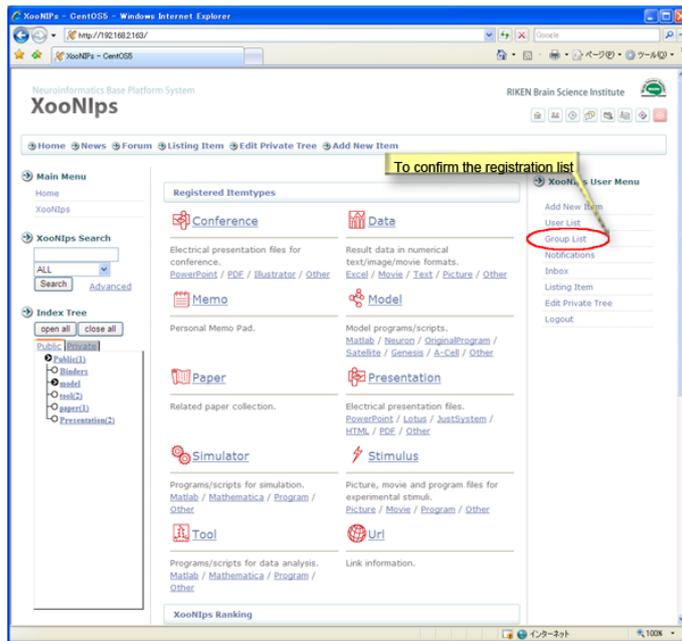


Figure 5.45. Inquire registered groups

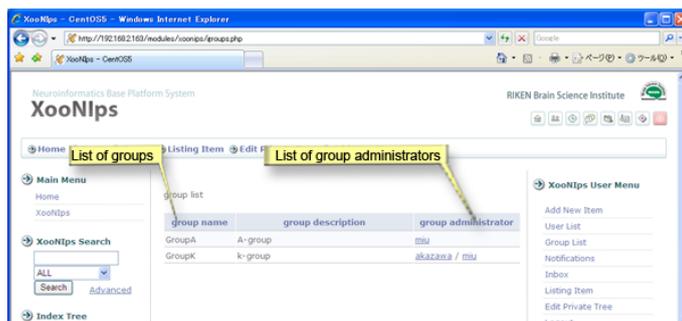


Figure 5.46. Inquire registered groups 2

When a user joins a group, a group tab will be added in the Index Tree.

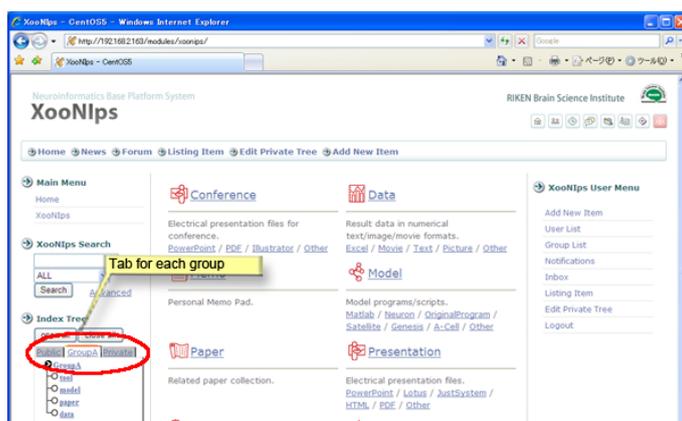


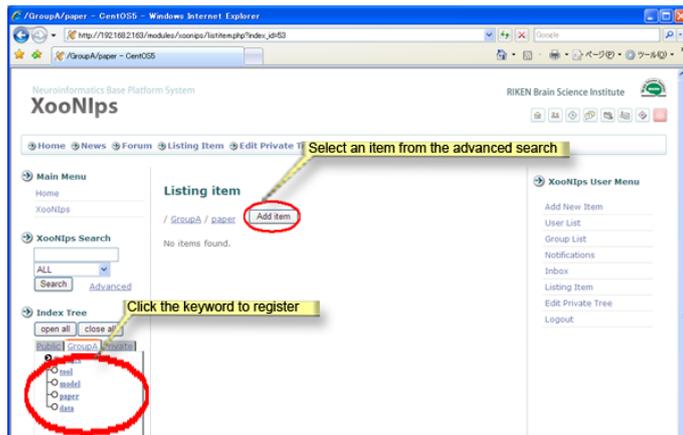
Figure 5.47. Group tab

### 5.2.6.2. Item registration to a group index

How to register items in a user's private area to a group area:

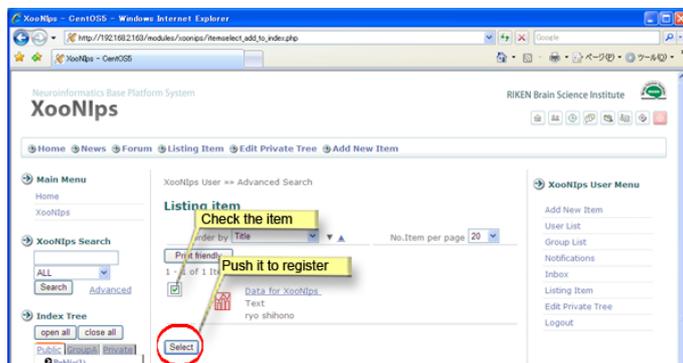
Click on the index keyword to be registered at the intended group tab.

A "Listing Item" screen will appear. Search the intended item.



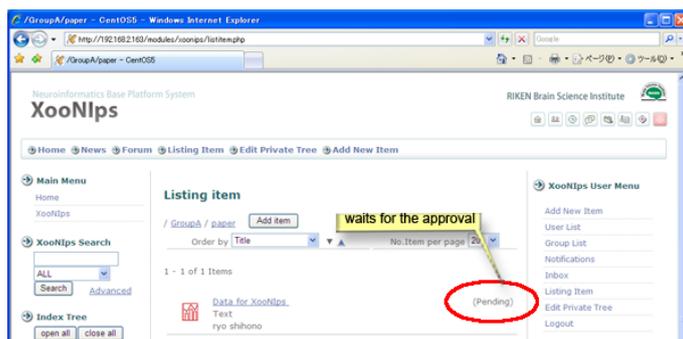
**Figure 5.48. Register to a group index.**

Check the checkbox of the item to be registered to the group index.



**Figure 5.49. Registration to a group index 2**

The other group members can not view the registered item until the group administrator or moderator completes the review and approval.



**Figure 5.50. Registration to a group index - 3**

### 5.2.6.3. Resign from a group

Contact the group administrator or moderator in the same manner as the group admission.

The group administrator or moderator perform the procedure for membership cancellation.

### 5.2.7. Item transfer

Basically, an item's edit authority is given only to the user who originally registered/requested to register the item.

When the user resigns from the membership, he/she can transfer their items to another user.

- How to transfer an item:

Click on the link [Request Item Transfer] on XooNIps user menu.



**Figure 5.51. "Request Item Transfer"**

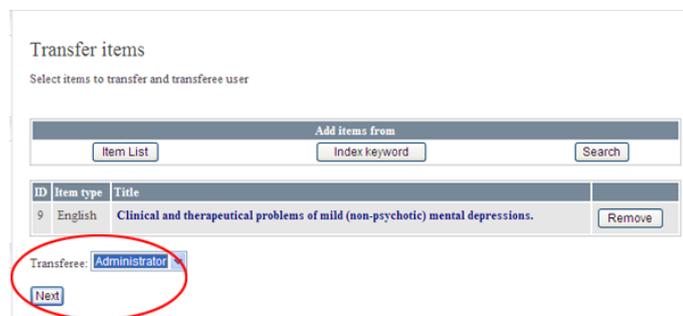
Identify the item to be transferred. Use either of [Item List], [Index keyword], [Search] at "Add items from" for searching it.

**Listing item**



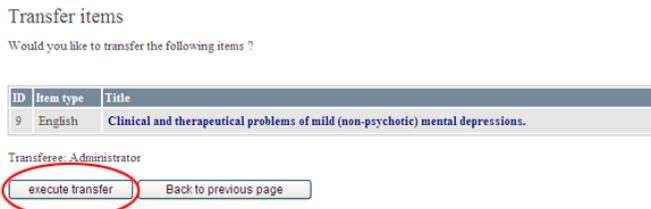
**Figure 5.52. Request Item Transfer 2**

Choose the user who transfers his/her authority (transferee) by the dropdown list and click on the [Next] button.



**Figure 5.53. Request Item Transfer 3**

A confirmation screen will appear. Click on the [execute transfer] button.

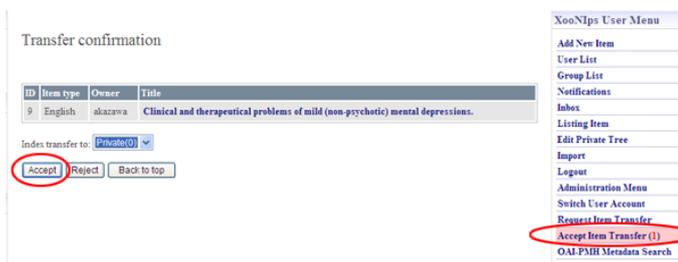


**Figure 5.54. Request Item transfer 4**

- How to transfer a user's editing authority to another user:

Click on the link of "Accept Item Transfer".

Choose an index tree keyword to register the transferred item and click on the [Accept] button.



**Figure 5.55. Accept Item Transfer**

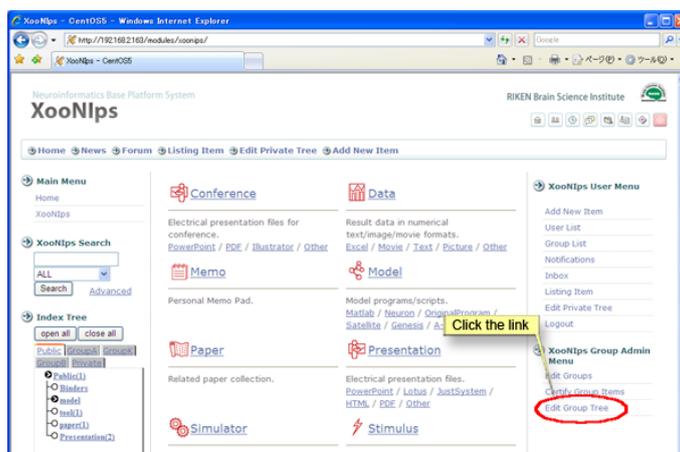
## 5.3. Group administrator

This section shows the operations that the group administrators are entitled to perform an XooNips.

### 5.3.1. Manage group members:

Click on the link [Edit Group Tree] on the XooNips Group Admin menu.

The link is not always located as shown due to the variety of site designs.



**Figure 5.56. Add/delete group a member.**

How to add/delete a group member: click on the group name. If you are an administrator managing more than one group, choose the intended group name and click on it.



Figure 5.57. Add/delete group members 2

### 5.3.1.1. Add a member

How to add a member: choose a user listed at "Non-members" and click on the [Add] button.

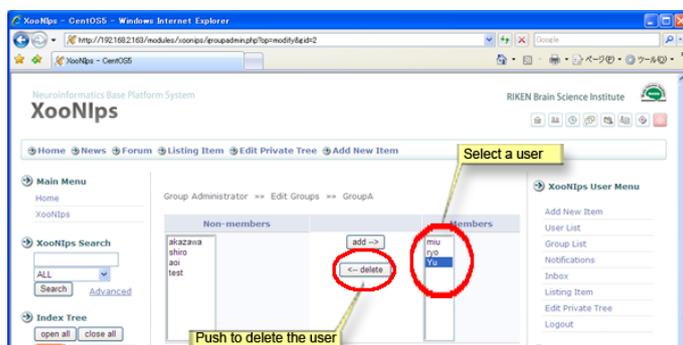


Figure 5.58. Add a group member

### 5.3.1.2. Delete a member

How to delete a member: choose a user listed at "Members" and click on [delete] button.

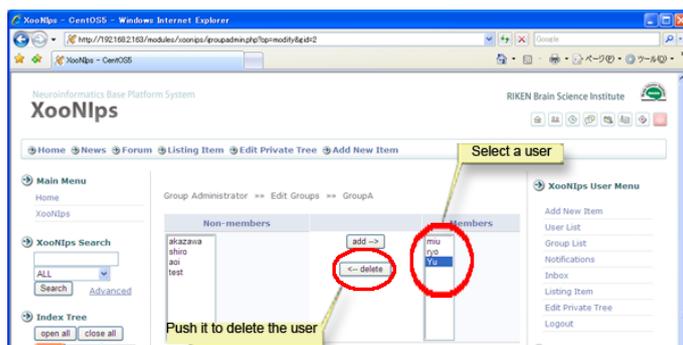


Figure 5.59. Delete a group member

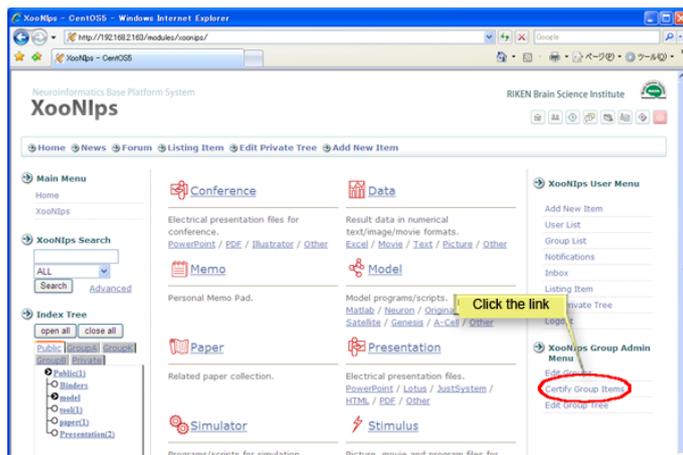
## 5.3.2. Review and certify shared items

How to review and certify an item requested to register in a group area:

Click on the [Certify Group Items] at the "XooNlps Group Admin menu".

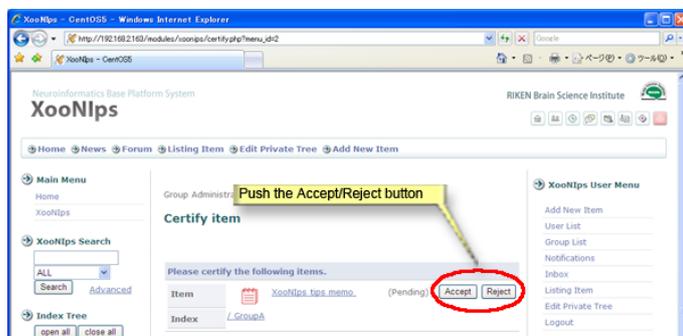
### Tip

The item can also be reviewed and certified on its "Detail" screen/ Use "Index Tree" or "XooNlps Search" to get to the screen.



**Figure 5.60. Review and certify the items to be registered in a group area**

Check the "Index" field on the "Certify item" screen. Click on either of [Accept] or [Reject] button to decide whether or not to publish the item in the group area.



**Figure 5.61. Review and certify the items to be registered in a group area 2**

### 5.3.3. Withdraw shared items in a group index

How to withdraw a registered item:

Go to the "Detail" screen of the intended item. Use the "Index Tree" or "XooNIps Search" to search for the item.

Click on the [Withdraw] button at the "Index" field, and a confirmation dialog box will appear, then click on [OK].

## Detail

<a href="#">Modify</a> <a href="#">Delete</a> <a href="#">Print friendly</a> <a href="#">Export</a>	
Views:0	
<b>ID</b>	
<b>Language</b>	English
<b>Title</b>	XooNIps tips memo
<b>Free Keywords</b>	
<b>Description</b>	
<b>Last Modified Date</b>	Feb 18, 2009 22:31:33
<b>Created Date</b>	Feb 18, 2009 22:31:33
<b>Contributor</b>	<a href="#">Administrator</a>
<b>Item Type</b>	Memo
<b>Change Log(History)</b>	
<b>Item Link</b>	
<b>Memo File</b>	README.TXT Type : text/plain Size : 6.8 KB Last updated : Feb 18, 2009 Downloads : 0 <a href="#">Download</a> Total downloads since Feb 18, 2009 : 0
<b>Index</b>	<a href="#">/ Public / paper</a> <a href="#">/ Private</a> <a href="#">Withdraw</a>
<b>Related to</b>	

Figure 5.62. Withdraw shared items in a group index

### 5.3.4. Edit group indexes

Keywords at a group index can be added, deleted and edited in the same manner as Private.

Click on the [Edit Group Tree] on the "XooNIps Group Admin Menu".

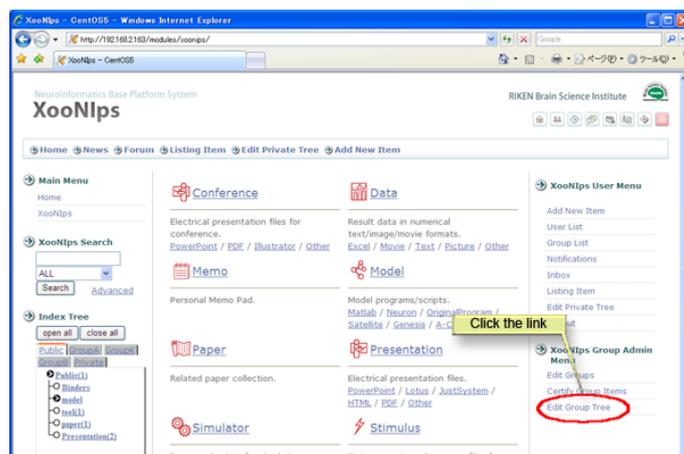


Figure 5.63. Edit a group index.

How to edit group indexes: (If you are an administrator managing more than one group, choose an intended group index tab.)

1. Click on the group index tab.
2. Click on a keyword to be edited.
3. Continue to edit the group index.

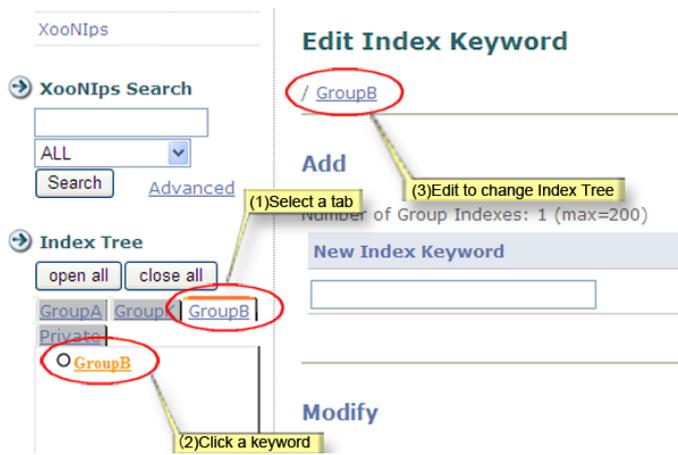


Figure 5.64. Edit a group index 2

### 5.3.5. Publish a group index

The items registered in a group index can be collectively transferred to the public index by each keyword:

- Group administrator

Click on the [Edit Group Tree] at "XooNips Group Admin menu".

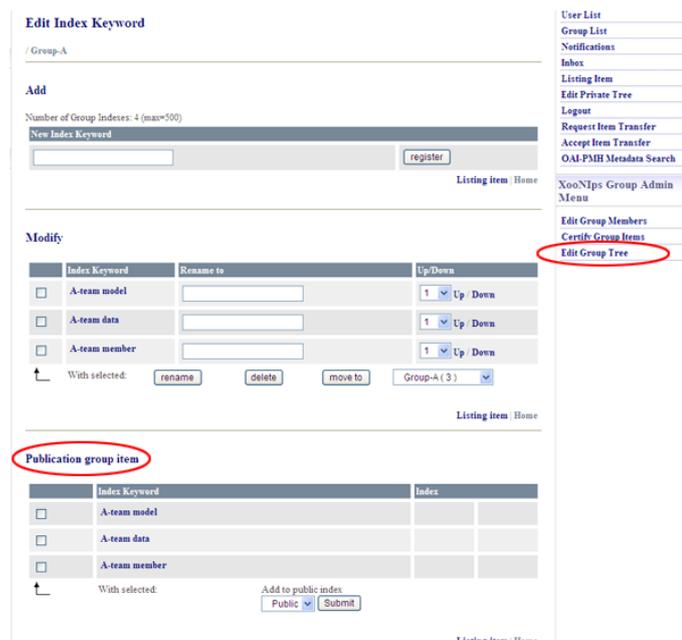


Figure 5.65. Block publishing of group indexes

At the "Publication group item" check the checkboxes of the keywords to be published.

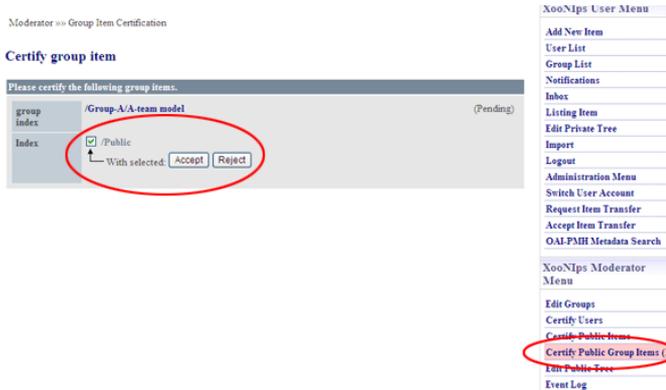
By the dropdown list, choose a public index keyword to which the checked index keywords are to be added. Click on the [Submit] button.



**Figure 5.66. Block publishing of group indexes 2**

- Moderator

Click on the link [Certify Public Group Items] at the "XooNIps Moderator menu".



**Figure 5.67. Block publishing of group indexes 3**

Check the checkbox either of [Approve] or [Reject].

Decide whether or not to publish the item by clicking on [Accept] or [Reject].

### 5.3.6. Transfer a group administrator's authority

Moderators are permitted to transfer group administrators' authority. Contact the site's moderator if necessary.

### 5.3.7. Change the disk capacity

Moderators are permitted to cancel groups. Contact the site's moderator if necessary.

### 5.3.8. Cancel a group

Moderators are permitted to cancel groups. Contact the site's moderator if necessary.

## 5.4. Moderator

This section shows the operations that the moderators are entitled to perform on XooNIps.

### 5.4.1. Edit Public Index Trees

Edit index trees in the public area.

Click on the link [Edit Public Tree] at the "XooNIps Moderator menu".

#### Tip

The layout varies with the site designs.

The basic operations are same as the private area.

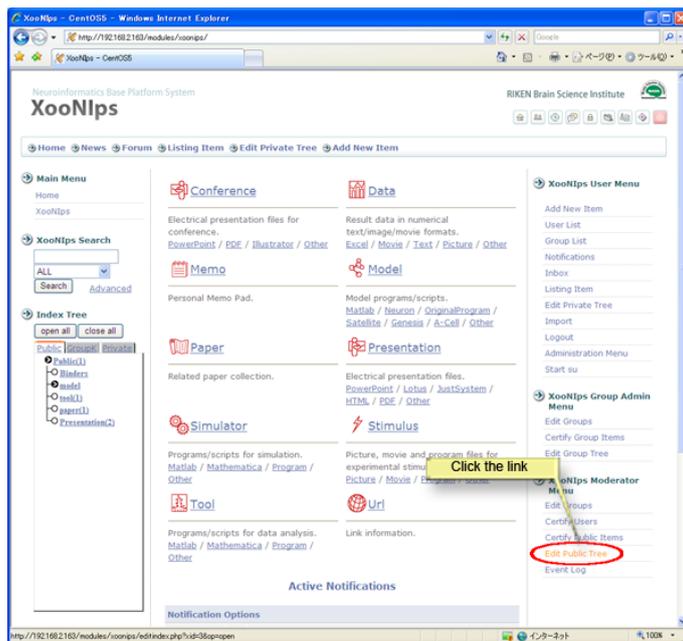


Figure 5.68. Edit Public Index Trees

### 5.4.2. Certify users

To entitle non-registered users (new users/guests) to use the XooNIps functions, the moderator may have to perform the following procedure. Refer back to the Table 4.2. (Chapter 4) "User Registration Policies". If your site's site policy has been set as "Certify automatically", the moderator can skip the following procedure.

Click on the link [Certify Users] at "XooNIps Moderator menu".

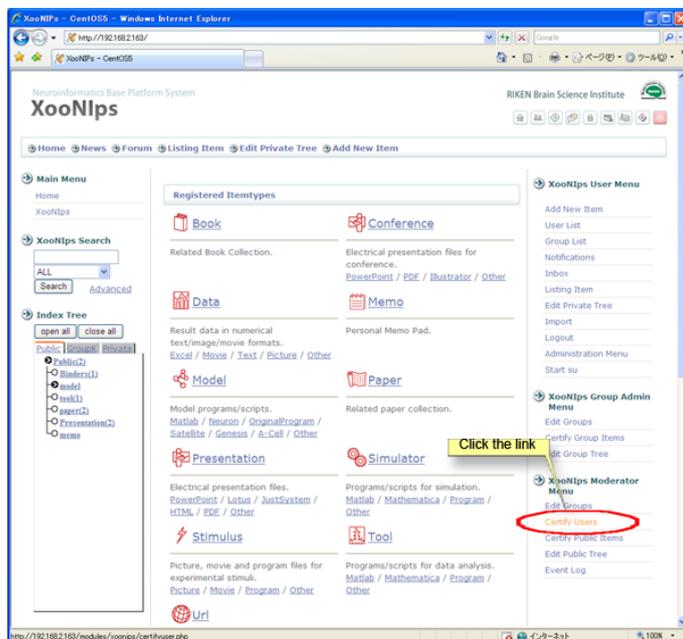


Figure 5.69. Certify users

The following functions will be active by clicking on the following links: Email, detail, certify.

- Email

A mailer comes out with the email address of the user.

- Detail  
Show the "Detail" screen of the user's items.
- Certify  
Decide whether or not to certify non-registered users. (Users can not use the XooNIps functions without being certified.)

Moderator >>> Certify Users

**Certify Users**

Click the link to approve

Username	Real Name	Email	detail	certify
rara	Rara Mizuhoshi	<a href="#">mail</a>	<a href="#">detail</a>	<a href="#">certify</a>
riri	Riri Kinboshi	<a href="#">mail</a>	<a href="#">detail</a>	<a href="#">certify</a>

Figure 5.70. Certify users 2

### 5.4.3. Review and certify items

How to review and decide whether or not to certify the item as a publishing item for the public area:

Click on the link [Certify Public Items] at the "XooNIps Moderator menu".

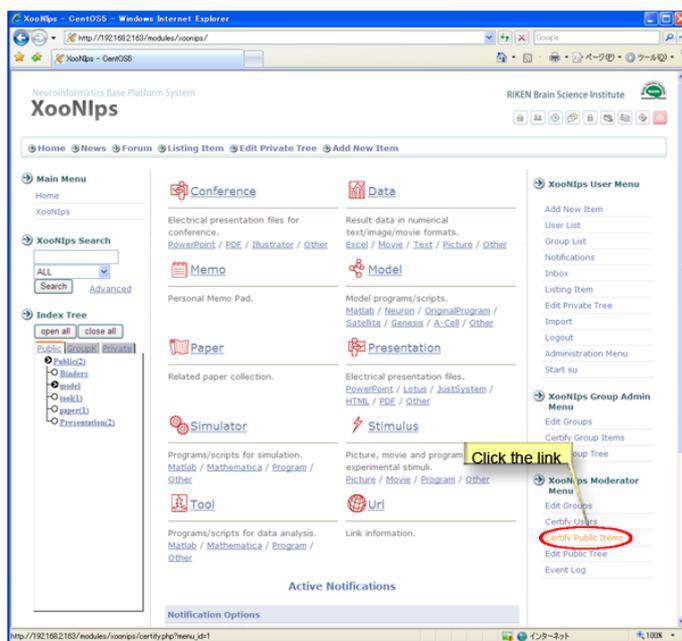


Figure 5.71. Review and certify items

Click on either of [Accept] or [Reject] button.

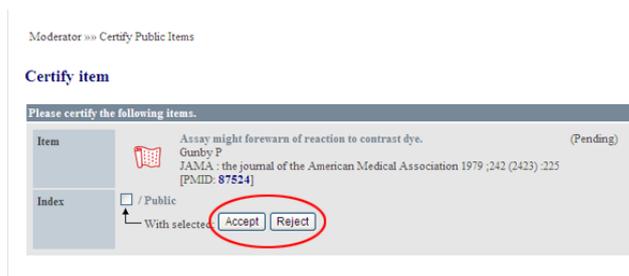


Figure 5.72. Review and certify items 2

### 5.4.4. Withdraw items in public area

How to withdraw the items in public area:

Go to the "Detail" screen of the intended item. Use "Index Tree" or "XooNIps Search" to search for it.

Click on the [Withdraw] button at the "Index" field, and a dialog box will appear. Click on [OK].

**Detail**

Modify Delete Print friendly Export

Views:0

ID	
Language	English
Title	XooNIps tips memo
Free Keywords	
Description	
Last Modified Date	Feb 18, 2009 22:31:33
Created Date	Feb 18, 2009 22:31:33
Contributor	<a href="#">Administrator</a>
Item Type	Memo
Change Log(History)	
Item Link	
Memo File	README.TXT Type : text/plain Size : 6.8 KB Last updated : Feb 18, 2009 Downloads : 0 Total downloads since Feb 18, 2009 : 0
Index	<a href="#">/ Public / paper</a> <a href="#">/ Private</a>
Related to	

The "Withdraw" button in the "Index" field is circled in red.

Figure 5.73. Withdraw items in public area

### 5.4.5. Create/delete a group

How to create/delete a group:

Click on the link [Edit Groups] at the "XooNIps Moderator menu".

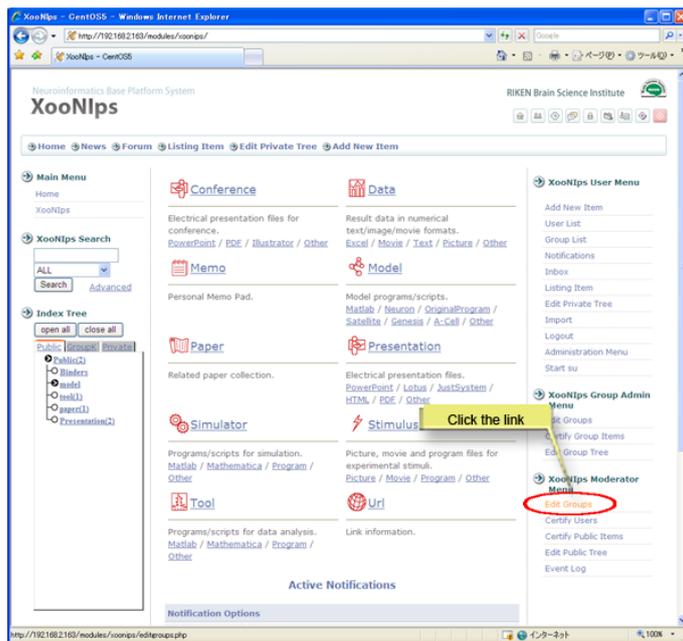


Figure 5.74. Create/delete a group

#### 5.4.5.1. Create/delete a new group

1. Create a new group: enter the required information in each field and click on [Submit] button.
  2. Delete a group: click on the link [Delete], and a dialog box will appear. Click on [OK].
- "Group Name"  
Enter the group's name.
  - "Group Description"  
Edit the group's description.
  - "Group Administrators"  
Choose a user as a group administrator (Multiple choice is acceptable).
  - "Maximum number of items"  
Enter the maximum number of the item to be registered in the group area.
  - "Maximum number of indexes"  
Enter the maximum number of the keywords for the group index.
  - "Maximum size of items [MB]"  
Enter the maximum value of data for the group area.

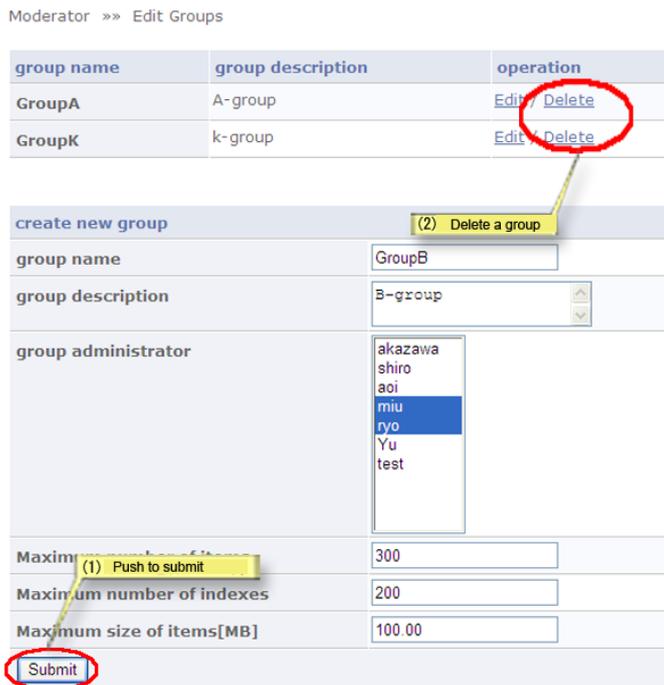


Figure 5.75. Create/delete a group

### 5.4.5.2. Edit group information

Click on the pen-icon (or [edit] link) on the right side of the intended group.

Click on the [Submit] button to update the information.

### 5.4.6. Access log analysis

How to download event logs on XooNIps in a CSV formatted file or transform the data into a graphic chart:

Click on the link [Event Log] at the "XooNIps Moderator's menu".

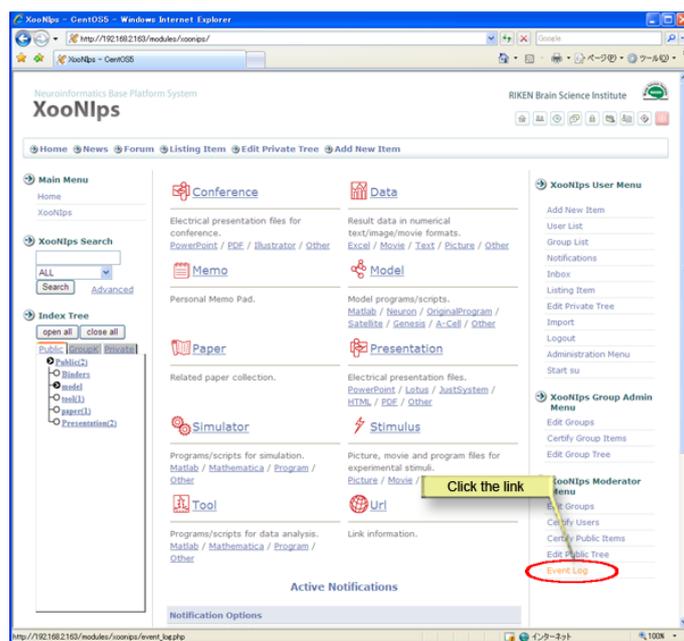


Figure 5.76. Even log analysis

- Download event logs

How to download event logs:

Indicate a period for the intended event logs. The data will be downloaded in CSV formatted file.



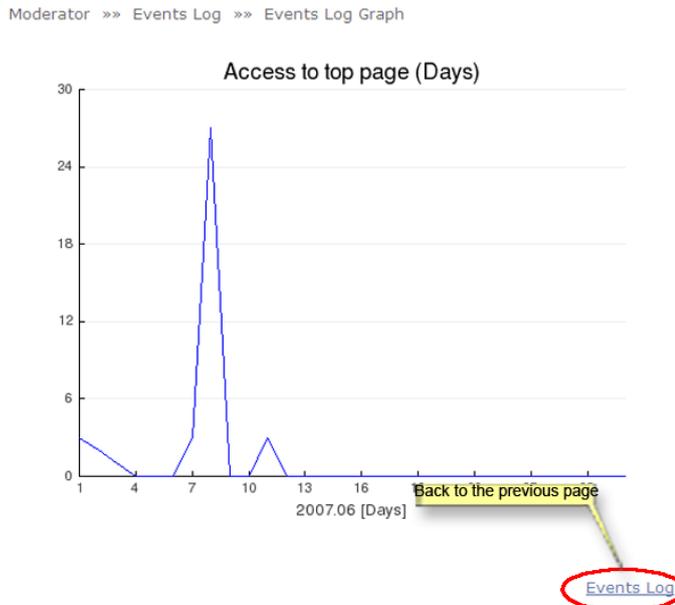
**Figure 5.77. Download event logs by indicating a period**

- By the event

Indicate a specific period. Choose "Download" or "Graph" for each category: "Access to top page", "Access to item", "Download of item" and "New users and items".



**Figure 5.78. Download and graphic chart**



**Figure 5.79. Event log graphic chart**

- "Registered Information"

List the status of registered users and items.

### 5.4.7. Transfer the moderator's authority

Contact the system administrator to request for transferring the moderator's authority to another user.

## 5.5. System administrator

This section shows the operations that the system administrators are entitled to perform on XooNIps.

### 5.5.1. Change the site policy

Go to "Change Panel Home" (upper right on XOOPS Administration screen).

Refer to the following sections in this manual: "3.6. Installation of XooNIps", "4.1. Site policy", "4.2. Maintenance".

### 5.5.2. Switch User Accounts

Basically on XooNIps, the items can be modified only by the user who has originally registered them.

However, system administrators are exclusively entitled to change/modify all the items.

Click on the link [Switch User Account] at "XooNIps User Menu".



**Figure 5.80. Switch User Accounts**

Choose a user from the dropdown list and enter the password.

**Switch User Account**

You can switch to another account temporary.

Switch to	hikari
Your Password	
OK	

**Figure 5.81. Switch User Accounts 2**

After completing the procedure, click on the link [End Switch User (user name)] at the XooNIps User Menu.

<p><b>Registered Itemtypes</b></p> <p>English      Book</p> <p>Related paper collection.      Related Book Collection.</p> <p>Tool</p> <p>Programs scripts for data analysis. Mathlab / Mathematics / Program / Other</p>	<p><b>XooNIps User Menu</b></p> <p>Add New Item</p> <p>User List</p> <p>Group List</p> <p>Notifications</p> <p>Inbox</p> <p>Listing Item</p> <p>Edit Private Page</p> <p><b>End Switch User (hikari)</b></p> <p>Request Item Transfer</p> <p>Accept Item Transfer</p> <p>OAI-PMH Metadata Search</p>
---	--

**Figure 5.82. Switch User Accounts 3**

### 5.5.3. Export

How to export the items and index tree structures on XooNIps to other sites:

#### Tip

If the "enabled" field at "Import/Export" (ref. 4.1.6.) has been set as "Yes", the registered users can also import/export items.

Export objects:

- Items

More than one items can be exported simultaneously if they are registered in the same index keyword.

#### Tip

It depends on the site policy (ref. 4.1.6. "Import/Export") whether attached files will be exported.

- Index Tree keyword

Export index structures.

The following shows the procedure.

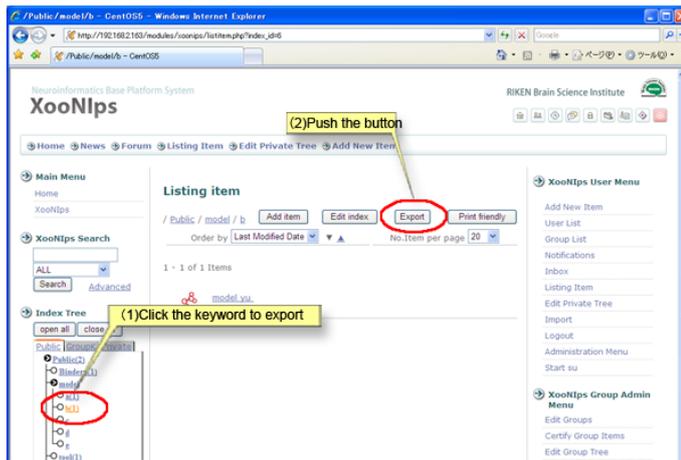
1. How to export Index Tree keywords:

#### Tip

Index keywords containing no items belonging to can not be exported.

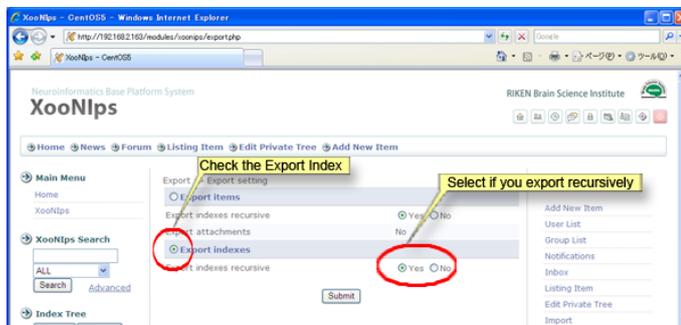
Click on the intended index keyword to show the item list.

Click on the keyword to be exported and click on [Export] button.



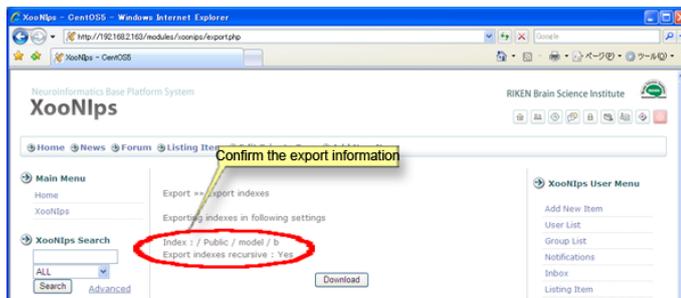
**Figure 5.83. Export Indexes**

Check the [Export indexes]. If it should be exported recursively, choose "Yes" at the field "Export indexes recursive".



**Figure 5.84. Export indexes 2**

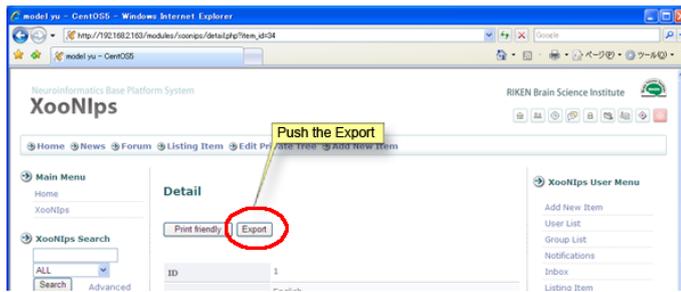
The information to be exported will be displayed. Check the information, and if it is ok, click on the [Download] button.



**Figure 5.85. Export indexes 3**

2. Export items

Go to the "Detail" screen of the item to be exported and click on the [Export] button.

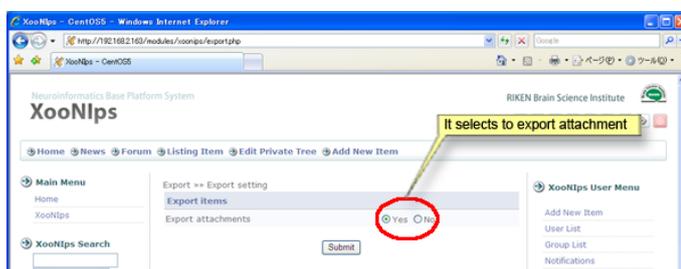


**Figure 5.86. Export items**

Define whether or not to export attached files.

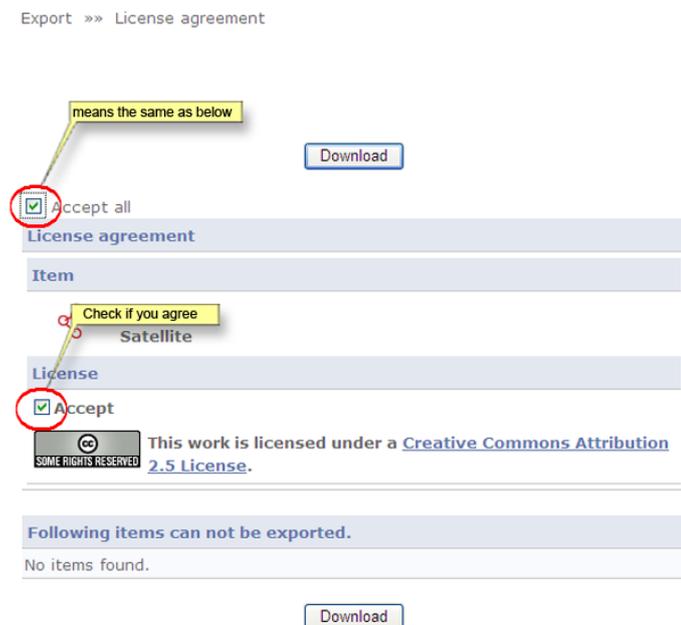
### Tip

The choices ("Yes" / "No") will not appear if "No" has been chosen at the export field of the site policy.



**Figure 5.87. Export items 2**

Read through the license agreement, check the checkbox "Agree" if you agree, and click on the [download] button. It will start downloading.



**Figure 5.88. Export items - 3**

## 5.5.4. Import

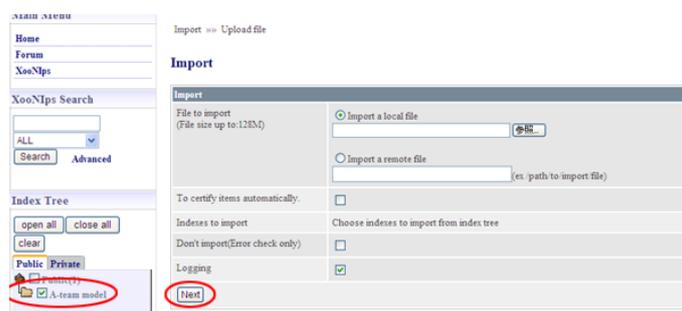
How to load the items and index keywords imported from other XooNIps sites:

Click on the [Import] button at the XooNips User menu.

**Table 5.1. Import functions**

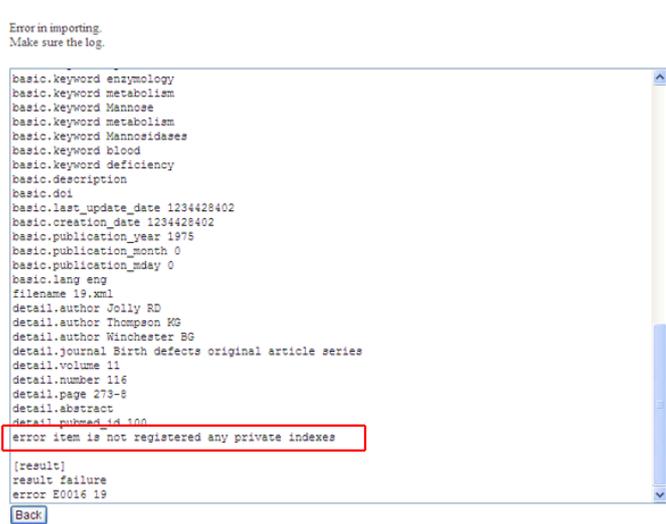
	Description
"File to import"	Select the file to be imported.
"To certify items automatically"	If the item is to be imported to the public area, it will be automatically certified publishing.
"Don't import (Error check only)"	Perform error check but do not import.
"Logging"	Show the importing logs. (default)

Check the checkbox of the index keyword to which an intended file will be imported. Choose the file to be imported and click on the [Next] button.



**Figure 5.89. Import**

If "logging" is checked and any errors occur, error descriptions will be displayed. Return to the previous screen and modify them.



**Figure 5.90. Import error log**

If there is no error, click on the import button.

Refrain from unwanted overwriting:

It is subject to confirm whether or not to overwrite the file if it is found to include duplicated keywords or items.

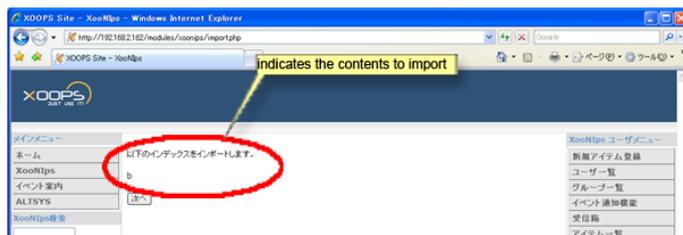


Figure 5.91. Refrain from unwanted overwriting

### 5.5.5. Harvest metadata

Harvesting metadata requires manual operations.

Please refer to 4.2.7. "OAI-PMH".

### 5.5.6. Change the moderator

Go to the "User Management" ("Administration Menu" at "XooNIps User Menu; "XOOPS>>XooNIps>>Maintenance>>User Management). Click on the pen-icon of the intended user to go to the "Modify User Information". Choose "moderator" at the "User's Groups" field.

Note: the pulldown menu derives from the "Moderator Group" ("XOOPS>>XooNIps>>System Configuration>>Basic Configurations>>Moderator Group).

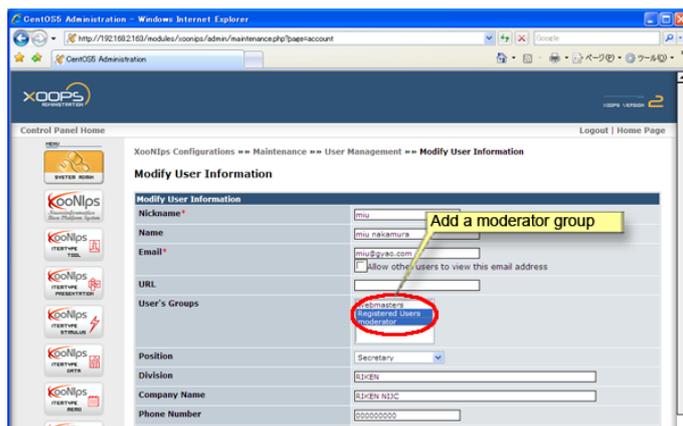


Figure 5.92. Change the moderator

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# Appendix A.

## A.1. Organizations

- The Laboratory of Neuroinformatics, RIKEN BSI

<http://www.ni.brain.riken.jp/>

The developer of XooNIps, conducting neuroinformatics studies including: database tool development for resource sharing, tool development for data analysis and visualization, computational neuroscience in vision.

- INCF (International Neuroinformatics Coordinating Facility)

<http://www.incf.org/>

Established via the OECD Global Science Forum, the International Neuroinformatics Coordinating Facility (INCF) facilitates worldwide cooperation of activities and infrastructures in neuroinformatics-related fields.

- NIJC (J-Node)

<http://nijc.brain.riken.jp/>

As the host institution of the INCF Japan Node, the NIJC serves as a gateway between Japan and the world. The NIJC has eight neuroscience databases open to the public under the J-Node portal site.

- J-Node portal

<http://www.neuroinf.jp/>

## A.2. XooNIps based Online Databases

Under the J-Node Portal(Neuroinformatics databases):

- Visiome Platform

<http://platform.visiome.neuroinf.jp/>

- Neuron Glia Platform

<http://platform.neuron-glia.neuroinf.jp/>

- Invertebrate Brain Platform

<http://platform.invbrain.neuroinf.jp/>

- Cerebellar Development Transcriptome Database

<http://www.cdtdb.brain.riken.jp/CDT/top.jsp>

- Integrative Brain Research

<http://sns.ibr.neuroinf.jp/modules/xoonips/>

- Cerebellar Platform

<http://platform.cerebellum.neuroinf.jp/>

Institutional Repository Systems:

- Asahikawa Medical College, AMCoR

<http://amcor.asahikawa-med.ac.jp/modules/xoonips/>

- Keio University, KOARA

<http://koara.lib.keio.ac.jp/xoonips/modules/news/>

(Language: Japanese)

- Nara Prefectural Library Information Center, NLMC  
<http://www2.library.pref.nara.jp/nlmc/modules/xoonips/>  
(Language: Japanese)
- Nara National Institute for Cultural Properties, RIR  
<http://repository.nabunken.go.jp/modules/xoonips/>  
(Language: Japanese)
- Kinki University Academic Resource Repository, KURep  
<http://kurepo.clib.kindai.ac.jp/modules/news/>
- Saitama University Cyber Repository of Academic Resources, SUCRA  
<http://sucra.saitama-u.ac.jp/modules/xoonips/>  
(Language: Japanese)