

Installing Newscoop v4.0



This page is for developers who are interested in making changes to the Newscoop code. The development environment is not only good for developing Newscoop; it can also be used by people interested in testing the latest builds hot off the Git repository. Once the development environment is installed, users can easily pull down the very latest code from the Git server and run it with minimal effort.

The following steps set up a development environment on a clean Ubuntu installation (version 11.04 and newer).

1. Overview

There are currently two different ways of installing Newscoop and setting up the development environment. It depends on how you get the sources, so:

First option, and most recommended for developers, is by fetching from Git. You get all Newscoop files but you don't get any dependencies, you have to install the dependencies by yourself, making sure you have all those before installing Newscoop.

Second option is to download either the tarball or zip file from Sourceforge. This package does include all required dependencies.

We will try to explain in this guide what to do in both cases to get Newscoop running...

2. Developer Tools (optional - only for developers)

See [this page](#) for a number of developer tools you need to get.

3. Getting Newscoop

From the Git repository (*Recommended for developers*).

Install GIT if you dont have it yet:

```
sudo apt-get install git-core
```

You can get the development sources from our public repository at github by doing only this:

```
git clone git://github.com/sourcefabric/Newscoop.git
cd Newscoop
git checkout next
cd ..
```

Now copy the files to the web root like so

```
sudo cp -r Newscoop/newscoop /var/www/newscoop-4.0
sudo cp -r Newscoop/plugins /var/www/newscoop-4.0/plugins
sudo chown -R www-data /var/www/newscoop-4.0
```

From Sourceforge (*Recommended for regular users*).

We use [Sourceforge](#) to distribute Newscoop files. Find the latest version here: <http://sourceforge.net/projects/newscoop/>

After you download, type the following into your command line:

```
tar -xvzf newscoop-4.0-RC2.tar.gz
sudo mv newscoop-4.0-RC2 /var/www/newscoop-4.0
sudo chown -R www-data /var/www/newscoop-4.0
```

4. Install Dependencies

For those installing Newscoop from Git.

Open a terminal, and copy and paste the following command into it.

A few of these packages are in the "universe" and "multiverse" repository. If either of these is disabled, then you can enable it either in Synaptic, or by manually editing the file `/etc/apt/sources.list` (as root).

Updated package list for **Ubuntu 11.04 (and up)**:

```
sudo apt-get install php5 libapache2-mod-php5 apache2 mysql-client mysql-server \  
php5-cli php5-mysql php5-gd php5-curl php5-odbc php5-json php5-intl libphp-odbc \  
smarty php-pear php-date php-event-dispatcher php-mail php-mail-mime \  
php-xml-serializer php-xml-parser php-file php-db php-html-common javascript-common \  
zend-framework-bin subversion curl
```

Ubuntu 10.04

The version of Zend framework required by Newscoop is 1.11.5 or newer. This version is not available on Ubuntu 10.04, so to get Newscoop running on it you have two options.

1. Download from Sourceforge the latest release file. A proper version of Zend is already included there, so Newscoop will install without any problem.
2. Download Zend (1.11.5 or newer) from <http://framework.zend.com/download/latest> (The *Minimal Package* is the right one) and install it under the *library* directory in your Newscoop installation.

Be Aware

You might face conflicts if you have some of these dependencies installed in your system. If you get a blank white screen, check `/var/log/apache2/error.log` for redeclare errors.

In this case you need to remove(or tweak the path of) the conflicting packages from your system or the newscoop directory. We will deal with this in a smarter way soon so that you do not have to worry about it 😊

For those installing Newscoop tarball or zip files.

```
sudo apt-get install php5 libapache2-mod-php5 apache2 mysql-client mysql-client-5.1 mysql-server \  
mysql-server-5.1 mysql-server-core-5.1 php5-cli php5-mysql php5-gd php5-curl
```

5. Configure Apache and PHP

Go to `/etc/php5/apache2`, and edit `php.ini` as root.

```
sudo gedit /etc/php5/apache2/php.ini
```

5.1) PHP "tmp" directory

Find the line:

```
upload_tmp_dir =
```

and set it to:

```
upload_tmp_dir = /tmp
```

5.2) Setting the timezone

We also need to set the timezone that the apache webserver is in. Find the line `date.timezone`, remove the semi-colon in front, and add your timezone to the end. For example:

```
date.timezone = "America/Toronto"
```

You can find the correct timezone value for your location by clicking [here](#).

6. Apache Config File

Create the file `/etc/apache2/sites-available/newscoop-4.0`,

```
sudo gedit /etc/apache2/sites-available/newscoop-4.0
```

and copy in the information below.

```
<VirtualHost *:80>
  DocumentRoot /var/www/newscoop-4.0/newscoop
  ServerName localhost
  ServerAdmin foo@bar.org

  <Directory /var/www/newscoop-4.0/newscoop>
    DirectoryIndex index.php
    AllowOverride all
    Order allow,deny
    Allow from all
  </Directory>
</VirtualHost>
```

and then from the command line:

```
sudo a2dissite 000-default
sudo a2ensite newscoop-4.0
sudo a2enmod rewrite php5
sudo service apache2 restart
```

Newscoop installer needs permissions for some directories, you can easily fix this with:

```
sudo setfacl -R -m u:www-data:rwX -m u:`whoami`:rwX /var/www/newscoop-4.0/newscoop/
sudo setfacl -dR -m u:www-data:rwX -m u:`whoami`:rwX /var/www/newscoop-4.0/newscoop/
```

Installing Symfony with Composer

```
cd /var/www/newscoop-4.0/newscoop/
sudo curl -s https://getcomposer.org/installer | php
php composer.phar install --no-dev
```

Directories permissions

7. Using the Application

Open a web browser and navigate to "http://localhost". If you see the Newscoop installer page, you are ready to proceed through the installation steps.



Newscoop Manual has a detailed guide on Installation that you can also check out in case you get into issues you can't resolve with this guide. This is the URL http://en.flossmanuals.net/newscoop3journalists_en/command-line-installation/.

Upgrading

If you are upgrading your Newscoop installation, please refer to the UPGRADE.txt file in the Newscoop sources for more info about this.

Troubleshooting

Some common issues with Newscoop Installation:

- The web server user must be able to write to these directories:
 - `/var/www/newscoop`
 - `/var/www/newscoop/cache`
 - `/var/www/newscoop/conf`

- /var/www/newscoop/files
- /var/www/newscoop/images
- /var/www/newscoop/videos
- /var/www/newscoop/themes