

IR-Wire: Gnutella Data Crawler And Analyzer



Database and Information Retrieval Lab
Illinois Institute of Technology
10 W 31st St,
Chicago, IL 60616

Website: <http://ir.iit.edu/~waigen/proj/pirs/>

Wai Gen Yee waigen@ir.iit.edu
Ophir Frieder ophir@ir.iit.edu
Linh Thai Nguyen nguylin@iit.edu
Dongmei Jia jiadong@iit.edu

INSTALLATION

I. Install MySQL, MySQL GUI Tools, and Eclipse

1. To download and install MySQL and MySQL GUI Tools, please go to www.mysql.com and <http://dev.mysql.com/downloads/gui-tools/5.0.html>
2. To download and install Eclipse, please follow instructions from <http://www.limewire.org/wiki/index.php?title=Program.Guide.GetEclipse>

II. Installation using Eclipse:

1. Downloading IRWire:

- Downloads the IRWire-0.0.0.zip file from <http://ir.iit.edu/~waigen/proj/pirs/>
- Creates a folder, say *IRWire* and unzip IRWire-0.0.0.zip to that folder. After unzipping, the folder should contain two subfolders:
 - analyzer: contains files for the data analyzer project
 - crawler: contains files for the LimeWire crawler project
- Creates a subfolder of *IRWire* folder, names it *workspace*. This folder will be used as the workspace folder for Eclipse.

2. Database setup:

- Start MySQL Query Browser tool
- From “File” menu, select “Open Script...”, select the script file *irwirescript.sql* in the directory created above. Executing the script will create a database named *IRWire_test*, a user named *irwire_test* with password *test*. The database name, user name and password can be changed by editing the first and the last two lines

of the script file before executing it. However, if the script file is changed, it is necessary to modify log-in information (server name, database name, user and password) in MySQLMediator.java to match with new names.

- Run the script using the green “Execute” button at the top right corner of MySQL Browser.

3. Building IRWire Data Analyzer using Eclipse:

- Run Eclipse. From the **File** menu, choose **New, Project...** Select **Java Project from Existing Ant Buildfile** and click **Next >**.
- It is not necessary to specify the project name. For **Ant Buildfile**, click the **Browse...** button and select the file **build.xml** under the folder **analyzer** and click **OK**. The project name will appear as LimeWireDataAnalyzer. Click **Finish**.
- From the **Project** menu, select **Properties**, choose **Java Compiler**. On the right, check **Enable project specific settings**, for **Compiler compliance level**, choose **5.0** then click **OK**. Click **Yes** when Eclipse asks for your confirmation.

4. Running LimeWire Data Analyzer:

- From the **Run** menu, choose **Run, Java Application**. Click **New** to create a new configuration. Beside **Name**: type LimeWireDataAnalyzer. For **Main class**, type in **gui.MainWind** then click **Run**.

5. Building LimeWire Crawler using Eclipse:

- Run Eclipse. From the **File** menu, choose **New, Project...** Select **Java Project from Existing Ant Buildfile** and click **Next >**.
- It is not necessary to specify the project name. For **Ant Buildfile**, click the **Browse...** button and select the file **build.xml** under the folder **crawler** and click **OK**. The project name will appear as LimeWireCrawler. Click **Finish**.
- From the **Project** menu, select **Properties**, choose **Java Compiler**. On the right, check **Enable project specific settings**, for **Compiler compliance level**, choose **5.0** then click **OK**. Click **Yes** when Eclipse asks for your confirmation.

6. Running LimeWire Crawler:

- From the **Run** menu, choose **Run, Java Application**. Click **New** to create a new configuration. Beside **Name**: type LimeWireCrawler. For **Main class**, type in **com.limegroup.gnutella.gui.Main**.
- Click the **Arguments** tab, for **Working directory**: uncheck **Use default working directory** and specify this instead: `${workspace_loc:LimeWireCrawler/gui}`
- Click the **Classpath** tab, click **User entries**, click **Advanced**, select **Add External Folder**, then click **OK**. Select the folder `.\crawler\lib\messagebundles`, then click **OK**.
- Click **Run**.