

Exonmap installation instructions

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Contents

1	Installation of the XMAP database	1
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1 Installation of the XMAP database

The R package requires access to a MySQL database server running a current version of the X:MAP database. Database tables and installation instructions may be downloaded from <http://xmap.picr.man.ac.uk>.

exonmap also uses the *RMySQL* package, which must also be downloaded and installed.

Once the server is up and running, you must create the necessary configuration files to tell R how to connect to the database. The following explains how to do this for a linux system:

Firstly, create a directory called *.exonmap* in your top level user directory. Next create a config file for the human database, *human.mycnf*. In this you must specify the username and password to use to connect to the database along with the database name and the address of the server. For example, your *human.mycnf* file might look something like this:

```
user      <userid>
database  homo_sapiens_core_40_36b
password  <password>
host      <the>.<address>.<of the>.<database>
```

Now do similar for the mouse database. Example config files are available from xmap.picr.man.ac.uk.

Before first use of any of the database related functions, the connection function for Human or Mouse database must be called using, for example, *xmapDatabase("Human")*.

If all goes well, that should be it.