Installing Stand Alone SQL Database Admin Tools

This document uses PhpMyAdmin as an example of setting up an SQL Database administration tool outside of LibreEHR.   In versions before 4.2 phpMyAdmin was embedded inside LibreEHR, this was considered a security risk as well as hard to maintain. As there are many tools available for administration and reporting from MySQL database we modified LibreEHR to allow the user to install and configure a customer preference.
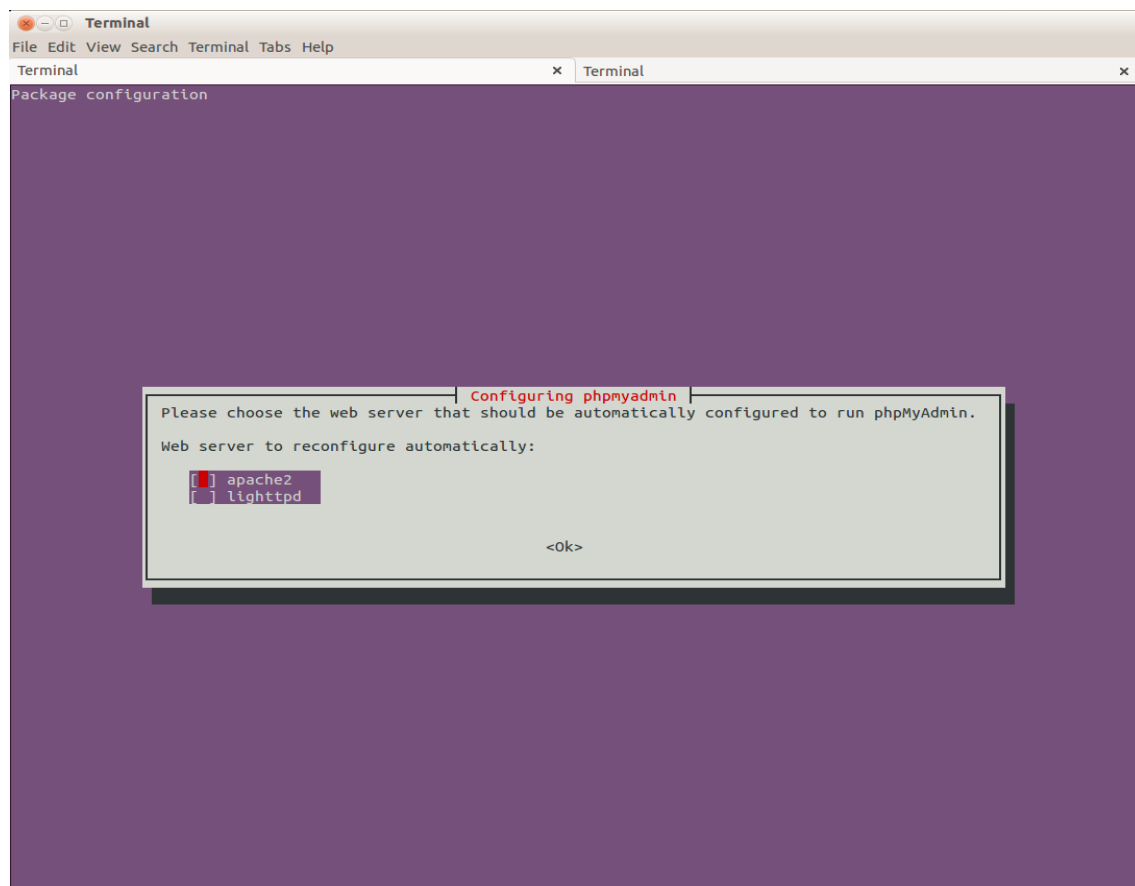
First, Install the tool of choice. Shown below are the steps for installing phpMyAdmin on an Ubuntu or other debian based Linux installation.

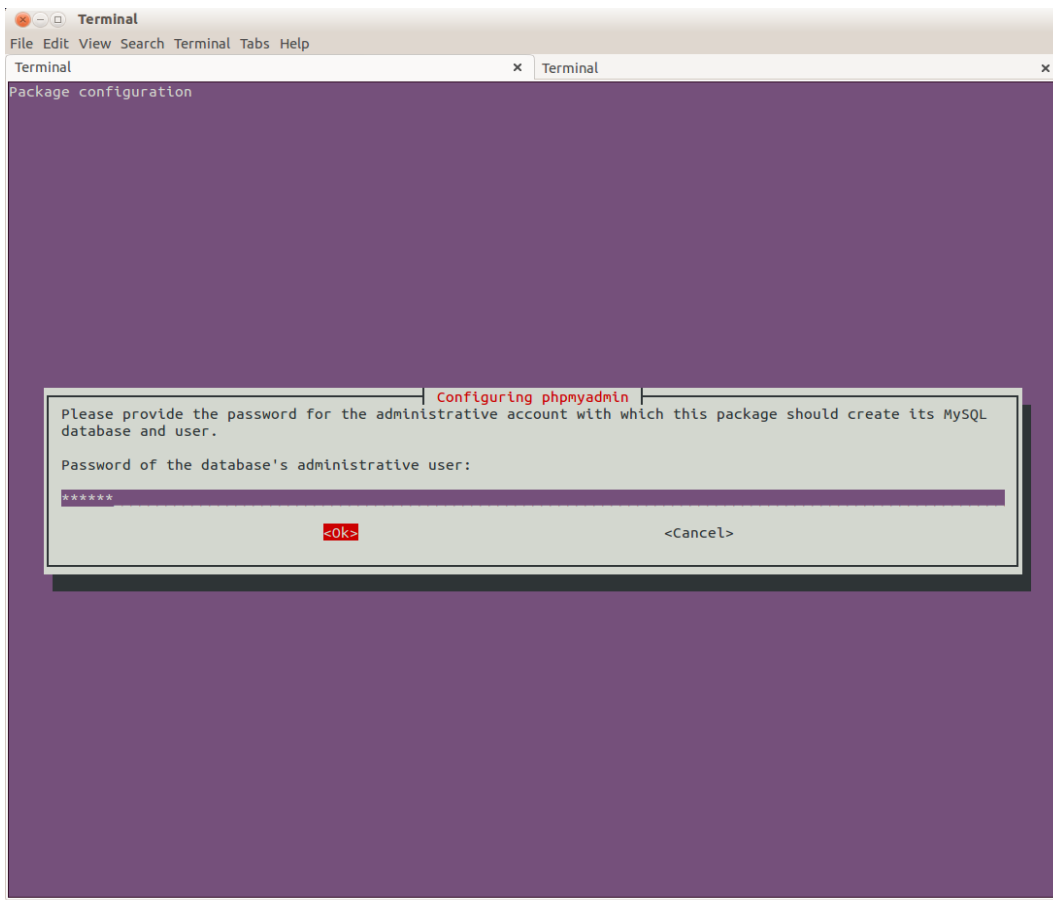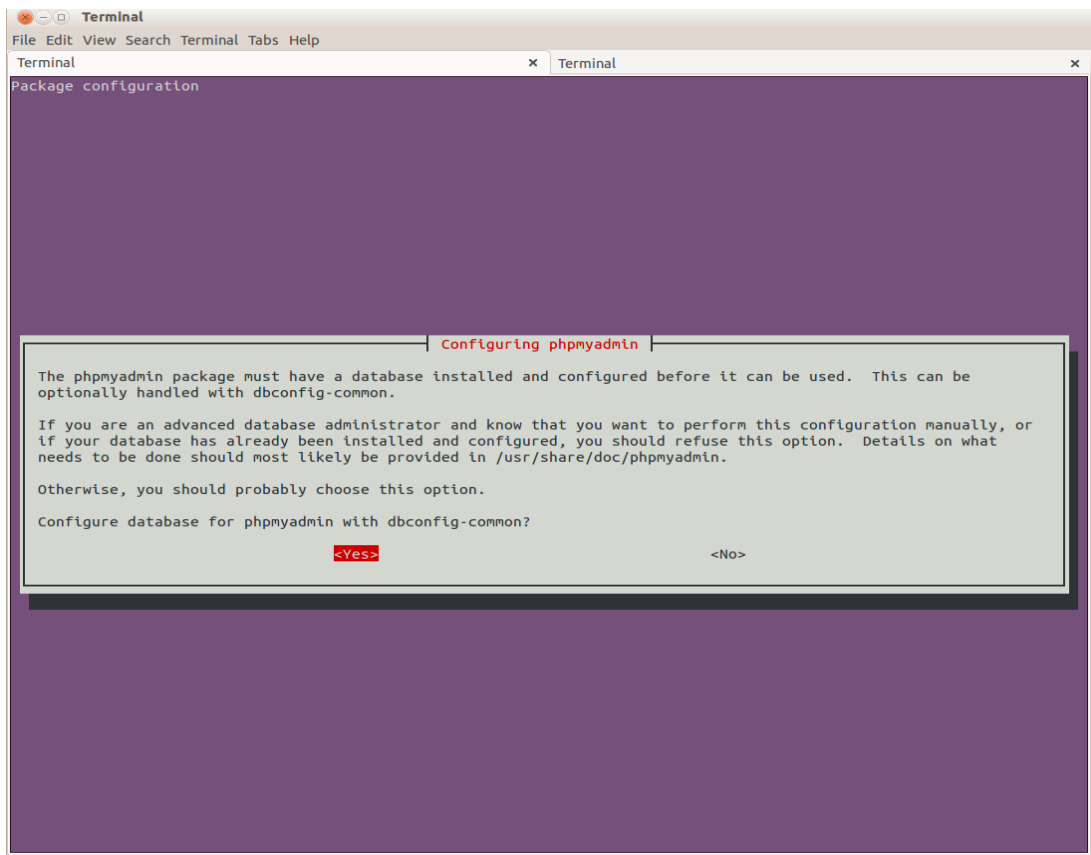You will need to know the root password for your MySQL installation and the super-user password of the account you use to install from
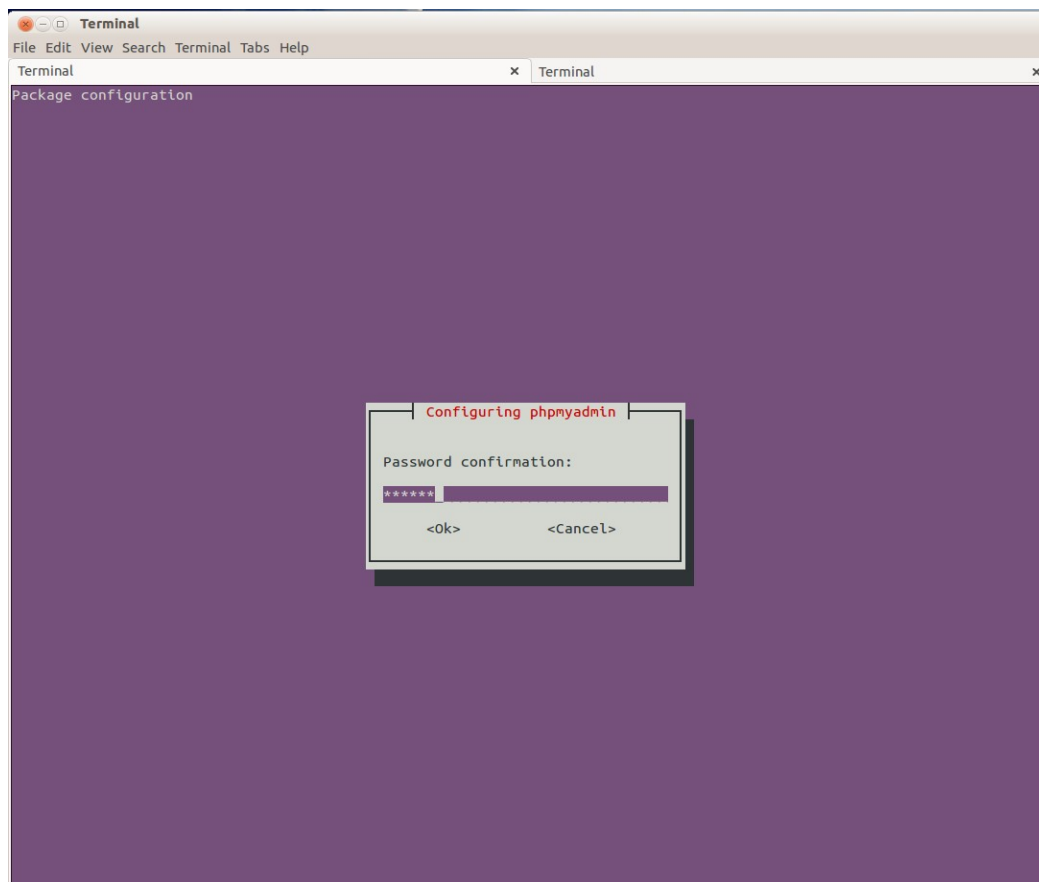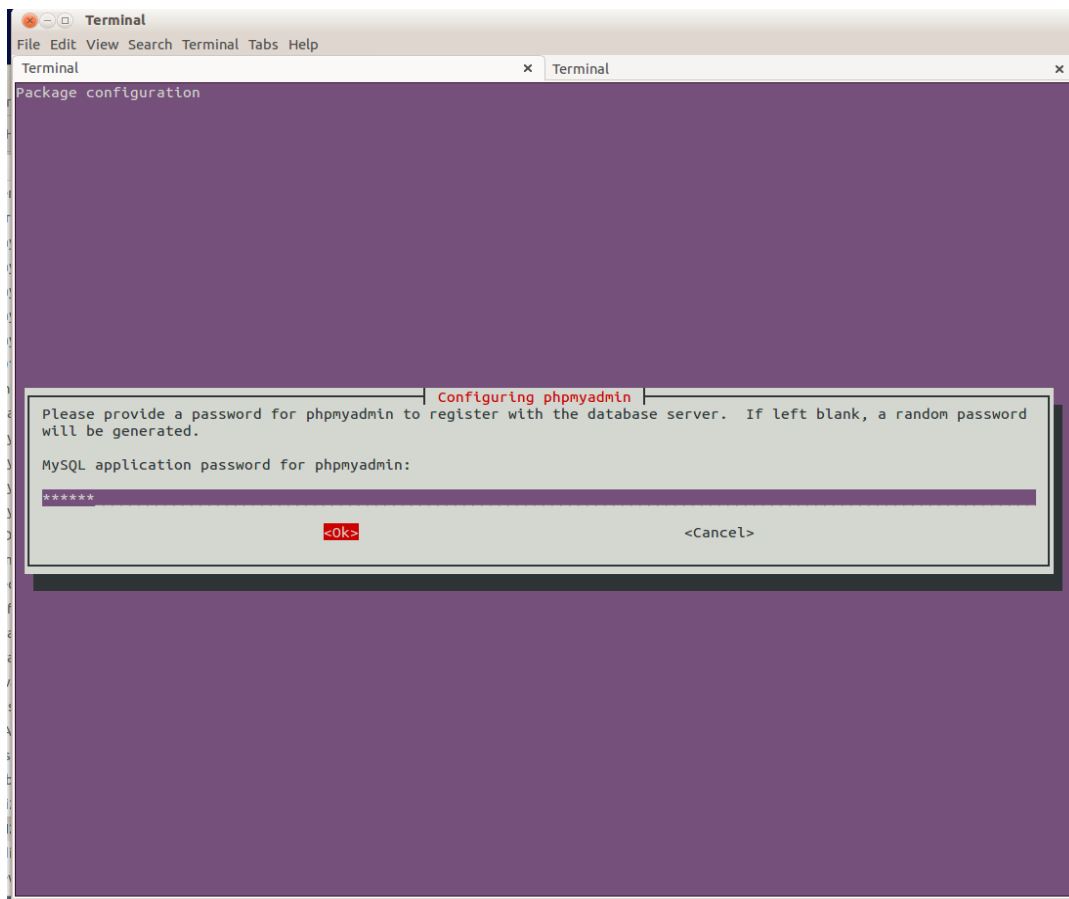
From the command (or from the graphical Ubuntu Software Center) install the phpmyadmin package

sudo apt-get install phpmyadmin

You will see a series of screens, it is safe to take the defaults, use the tab key to move in the text boxes and the space bar to select [OK] or to change a value.

Terminal

File Edit View Search Terminal Tabs Help

Terminal × | Terminal ×

Package configuration

```
                    ┤ Configuring phpmyadmin ├
  The phpmyadmin package must have a database installed and configured before it can be used.  This can be
  optionally handled with dbconfig-common.

  If you are an advanced database administrator and know that you want to perform this configuration manually, or
  if your database has already been installed and configured, you should refuse this option.  Details on what
  needs to be done should most likely be provided in /usr/share/doc/phpmyadmin.

  Otherwise, you should probably choose this option.

  Configure database for phpmyadmin with dbconfig-common?

                           <Yes>                                          <No>
```


Terminal

File Edit View Search Terminal Tabs Help

Terminal × | Terminal ×

Package configuration

```
                    ┤ Configuring phpmyadmin ├
  Please provide the password for the administrative account with which this package should create its MySQL
  database and user.

  Password of the database's administrative user:

  ******

                      <Ok>                                       <Cancel>
```

Terminal

File Edit View Search Terminal Tabs Help

Terminal   ×   Terminal   ×

Package configuration

┌──────────────────── Configuring phpmyadmin ────────────────────┐
│ Please provide a password for phpmyadmin to register with the database server. If left blank, a random password │
│ will be generated.   │
│   │
│ MySQL application password for phpmyadmin: │
│   │
│ ******   │
│   │
│   <Ok>   <Cancel>   │
│   │
└──┘

Terminal

File Edit View Search Terminal Tabs Help

Terminal   ×   Terminal   ×

Package configuration

┌──── Configuring phpmyadmin ────┐
│   │
│ Password confirmation: │
│   │
│ ******   │
│   │
│   <Ok>   <Cancel>   │
│   │
└────────────────────────────────┘

When installation is complete test your access. The usual local access URL for this will be http://localhost/phpmyadmin if you are accessing it from a designated LibreEHR server then test using that servers IP address or DNS name.

You may need to enable the installed config file in apache.

cd /etc/apache2/sites-enabled

sudo ln -s /etc/phpmyadmin/apache.conf 001-phpmyadmin.conf

sudo service apache2 restart

If you are using Chrome browser you may need to enable XFRAME access by creating the following configuration file as follows:

/etc/phpmyadmin/conf.d/allow-framing.inc.php

Containing

$cfg['AllowThirdPartyFraming'] = true;

Now login to you LibreEHR instance and go to the Administration->Globals:Miscellaneous TAB and change the URL Path to SQL Admin Tool to the URL you tested above.

Edit Global Settings

| Appearance | Locale | Features | Documents | Calendar | Security | Notifications | CDR | Logging | **Miscellaneous** | Po |

Path to MySQL Binaries	/usr/bin
Path to Perl Binaries	/usr/bin
Path to Temporary Files	/tmp
Path for Event Log Backup	/tmp
URL Path to SQL Admin Tool	https://localhost/phymyadmin
State Data Type	Single-selection list with ability to add to the list ▼
State list	state

Now when you select Adminstration->Other->Database phpMyAdmin will open in a new tab or browser window. Login with either your root MySql user and password or better, with the LibreEHR user and password you created for this installation.