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Part I

Upgrade Procedure

0.1 Requirements

0.1.1 Version

You must be running Kronophobia 1.2. This is not a suggestion! The upgrade script is not tested nor made to upgrade 1.1.5 or earlier releases. You have been warned.

0.2 Preparing the Server

0.2.1 Backup

Use `pg_dump` and **BACKUP YOUR DATABASE!** You alone are responsible for making sure you have a backup just in case! You must be logged in as the `postgres` user on your system in order to run the backup. Here is the correct way to backup your database:

```
# su postgres
$ cd /tmp/
$ pg_dump -Ft -b database_name > filename.tar
```

The above commands will place a file called `filename.tar` into the `/tmp/` folder on your server. Replace `postgres` with your postgres username on your server and `/tmp/` with any folder where that user can write to. `/tmp/` is a fine location to temporarily place the db. Also, replace `database_name` with your kronophobia db name and you may call the output file whatever you like.

0.2.2 Restore

If something goes wrong, to restore the db run the following using the above name conventions:

```
# su postgres
$ cd /tmp/
$ psql template1
template1=# DROP DATABASE calendar;
template1=# CREATE DATABASE calendar OWNER=caluser;
template1=# \q
$ pg_restore -d calendar filename.tar
```

0.2.3 Disable Live Access

In preparation for the upgrade, it is recommended that no one be using the system while you update the database and copy in the new files. The simplest way to achieve this is to delete `index.php` in the `kronophobia` root directory.

0.2.4 Deleting Old Files

- Make backups of `c_db.php`, `c_security.php` and `c_config.php` which are located in your `config` subfolder.
- Delete the `db_tools`, `includes`, `jscript` and `images` folders completely.
- Delete the `index.php` and `default.css` file in the root of the `Kronophobia` folder if you haven't done so already.
- Delete the `emailer.sh` email script from wherever you placed it on your system and make a note of its location. This component is no longer optional so get it installed if you haven't already. See the Installation guide for more details.

0.3 Installation

0.3.1 Installing New Files

- Untar the new `Kronophobia` tar package to a temporary location and copy in the new `config`, `includes`, `jscript`, `documentation` and `images` folders. You no longer need to get the additional `jscript` package from sourceforge because this new release has it integrated into the base install.
- Open up each file in the `config` folder and update the settings with your personal settings from the 3 files that you backed up earlier (`c_db.php`, `c_security.php` and `c_config.php`). Have your old files open for handy reference.
- Copy in the new `upgrade` folder as well as it contains the upgrade script.

- Copy in the new *index.php* and *default.css* files to the root of your Kronophobia directory.
- Copy in the new *kronophobia_utility.sh* file from the scripts folder to wherever you placed the original *emailer.sh* cron script on your system. This is NOT an optional component anymore, see the Installation guide for more details. Please note that the name has changed from *emailer.sh* to *kronophobia_utility.sh*.

0.3.2 Updating the Database

To run the database upgrade script, first determine the type of upgrade you will be doing. If you have a slow system and more than 2000 events it is HIGHLY recommended that you do the upgrade via the commandline. Otherwise, you should do your upgrade via a web browser. Instructions for both are outlined below.

For a web browser upgrade, open up a web browser and type in this URL:

`http://www.mydomain.com/calendar/upgrade/upgrade.php`

For a commandline upgrade, open a command window and **cd** into the *upgrade* folder of your kronophobia installation directory and then type the following commands:

```
# /usr/local/bin/php upgrade.php
```

Replace the above path (`/usr/local/bin/php`) with your own path to the commandline version of your php interpreter.

The script will produce several lines of output that will tell you which parts of the upgrade have succeeded or failed. It is very unlikely that anything will fail as the script is very short but in the event it does, copy the text from your browser into an email and send it to Octavian Hornoiu. The email is on the Contacts page of the Kronophobia site.

0.3.3 Rebuilding the Search Index

The search index takes a lot of processing power and time to build. Unless you have a REALLY fast server you should not build it via the web interface but instead use the commandline php option. If you think your server can handle it, login to kronophobia as root user and go to the admin section. There you will find the section for rebuilding the index via the web. For most of us that do not have ungodly servers, the commandline option is best. Here is how to do it.

Open a command window and **cd** into the *includes* folder of your kronophobia installation directory and then type the following commands:

```
# /usr/local/bin/php search_index.php
```

Replace the above path (`/usr/local/bin/php`) with your own path to the commandline version of your php interpreter.

The script will produce several lines of output that will tell you what it is doing and how many events it has indexed. Once complete, you may close the command window. You should not have to do this index rebuild again unless instructed to do so in another upgrade or by a developer. The index maintains itself anytime you update, add or delete an event automatically.

0.3.4 Installing the new Utility Script

The last step is to schedule the new `kronophobia_utility` script to run from Cron. You should schedule this to run every 10 minutes (alarms are based on 10 minute intervals). Add the following line to the end of `/etc/crontab`:

```
*/10 * * * * root /root/bin/kronophobia_utility.sh
```

If you are using a cron implementation that doesn't support the above syntax you should check the documentation for how to do 10 minute intervals.

0.4 Post-Installation

0.4.1 Verify Functionality

Login to the system and make sure that everything is working fine. Test all your critical sections to make sure that data is working properly.

Last, but not least, make sure to DELETE the **upgrade** folder after finishing the upgrade or else anyone can potentially mess up your database!