Upgrade OpenEMR 2.8.2 Appliance To 2.8.3

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[LINK TO MANUAL IN PDF FORMAT](#)

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Please, back up all of your data, and use these instructions at your own risk.

First, upgrade OpenEMR:

1. Download openemr-2.8.3.tar.gz (version 2.8.3) from sourceforge at:
   http://sourceforge.net/project/showfiles.php?group_id=60081

2. Enter below **bolded** instructions on command line as root user:

   > #log into root
   > **su**
   >
   > #Ensure the following lines are included at the end of the /etc/httpd/conf/httpd.conf file (this has been listed as a security patch in previous versions, and is required to not allow unauthorized viewing of patient's medical records).
   > **mcedit /etc/httpd/conf/httpd.conf**
   > > **#Ensure below is included at end of file (if not found, then paste below into end of file)**
   > > <Directory "/var/www/html/openemr/documents">
   > > order deny,allow
   > > Deny from all
   > > </Directory>
   > > <Directory "/var/www/html/openemr/edi">
   > > order deny,allow
   > > Deny from all
   > > </Directory>
   >
   > **TEXT EDITOR SAVE AND EXIT**
   >
   > #restart apache
   > **service httpd restart**

#make backup directories
mkdir /backupopenemrandfreeb/2_8_2

#move old OpenEMR 2.8.2 to the backup directory
**mv /var/www/html/openemr
/backupopenemrandfreeb/2_8_2/openemr**

#put the new OpenEMR 2.8.3 program in its place
cd /var/www/html
tar pxzvf /location/to/tar/openemr-2.8.3.tar.gz
mv openemr-2.8.3 /var/www/html/openemr

#secure OpenEMR
chown -Rf root:root openemr

#Need to change some file/folder permissions
**chown apache:apache -R
/var/www/html/openemr/interface/main/calendar/mod
ules/PostCalendar/pntemplates/cache**
**chown apache:apache -R
/var/www/html/openemr/interface/main/calendar/mod
ules/PostCalendar/pntemplates/compiled**
**chown apache:apache -R
/var/www/html/openemr/library/freeb**
chown apache:apache -R /var/www/html/openemr/edi

#secure the /var/www/html/openemr/edi directory
chmod -R 700 /var/www/html/openemr/edi

#Restore the original scanned documents directory
**cp -fr
/backupopenemrandfreeb/2_8_2/openemr/documents
/var/www/html/openemr/**

#Change file-folder permissions of documents directory
**chown apache:apache -R
/var/www/html/openemr/documents**

#Now for the hardest part of the upgrade; editing the new
config files. There are five files that need to be compared to
your old config files: **openemr/interface/globals.php**,
openemr/library/sqlconf.php, openemr/library/sql-
ledger.inc, **openemr/includes/config.php**, and
openemr/library/acl.inc . The below instructions are
specific for the openemr 2.8.2 appliance(only the **bolded**
files above require changing or copying). If you have made
your own changes to the config files, then I'd recommend
comparing them to ensure no other changes are needed.

We will replace one file with the previous 2.8.2 config file and will edit three of the new 2.8.3 config files.

#replace new /var/www/html/openemr/library/sqlconf.php file with the old 2.8.2 file
cp -f /backupopenemrandfreeb/2_8_2/openemr/library/sqlconf.php /var/www/html/openemr/library/sqlconf.php

#edit file /var/www/html/openemr/interface/globals.php:
mcedit /var/www/html/openemr/interface/globals.php
#edit the following **bolded** variables :
$webserver_root = "**/var/www/html/openemr**";
$GLOBALS['concurrent_layout'] = **false**;
$sl_dbname   = '**openemr**'; // sql-ledger database name
$sl_dbpass   = '***sql-ledger-password***'; // sql-ledger database login password (click link for default above password, which is the PostgreSQL database password, and should be 'sqlledger')
TEXT EDITOR SAVE AND EXIT

#edit file /var/www/html/openemr/includes/config.php:
mcedit /var/www/html/openemr/includes/config.php
#edit the following **bolded** variables :
$GLOBALS['oer_config']['ws_accounting']['enabled'] = **true**;
$GLOBALS['oer_config']['ws_accounting']['username'] = "**openemr**";
$GLOBALS['oer_config']['ws_accounting']['password'] = "***openemrpassword***"; (click link for default above password, which is sql-ledger 'openemr' user password, and should be "openemr")
$GLOBALS['oer_config']['ws_accounting']['url_path'] = "**https://**" .
  $_SERVER["SERVER_NAME"] . "/sql-ledger/login.pl";
TEXT EDITOR SAVE AND EXIT

#edit file /var/www/html/openemr/library/acl.inc:
mcedit /var/www/html/openemr/library/acl.inc
#uncomment below line and edit the **bolded** variable:
$phpgacl_location = "**/var/www/html/phpgacl**";
TEXT EDITOR SAVE AND EXIT

#Backup the mysql database into backup directory.
mkdir /backupopenemrandfreeb/2_8_2/mysqldatabase
mysqldump --opt --all-databases | gzip >

/backupopenemrandfreeb/2_8_2/mysqldatabase/mysql_backup.gz

#Fix a bug in the mysql upgrade script
mcedit /var/www/html/openemr/sql/2_8_2-to-2_8_3_upgrade.sql
   #Delete below two lines
   ALTER TABLE form_football_injury_audit
    ADD `fimatchtype` int(11) NOT NULL DEFAULT 0;
TEXT EDITOR SAVE AND EXIT

#Upgrade the mysql database
mysql openemr < /var/www/html/openemr/sql/2_8_2-to-2_8_3_upgrade.sql

3. Next, need to fix the calendar bug with a patch. Download CalendarPatchMonth283.txt file, which can be found at: http://www.bradymd.com/CalendarPatchMonth283.txt (to download file, you may need to Right-Click the link and select 'Save Link As...')

   1. Enter below **bolded** instructions on command line as root user:

      #log into root
      su

      #apply the patch (note that the 'CalendarPatchMonth283.txt' file is being copied to file named 'default.html'))
      cp -f /location/to/file/CalendarPatchMonth283.txt /var/www/html/openemr/interface/main/calendar/modules/PostCalendar/pntemplates/default/views/month/default.html

3. Next, need to upgrade the php-GACL access controls. Download acl_upgrade_1.txt file, which is a php script. I wrote this script, and it seems to work alright. File can be found at: http://bradymd.com/acl_upgrade_1.txt (to download file, you may need to Right-Click the link and select 'Save Link As...')

   1. Enter below **bolded** instructions on command line as root user:

      #log into root
      su

      #copy upgrade script to openemr directory (note that the '.txt' is being changed to '.php')
      mv /location/to/file/acl_upgrade_1.txt /var/www/html/openemr/acl_upgrade_1.php

2. Run php-gacl upgrade script via :
http://localhost/openemr/acl_upgrade_1.php
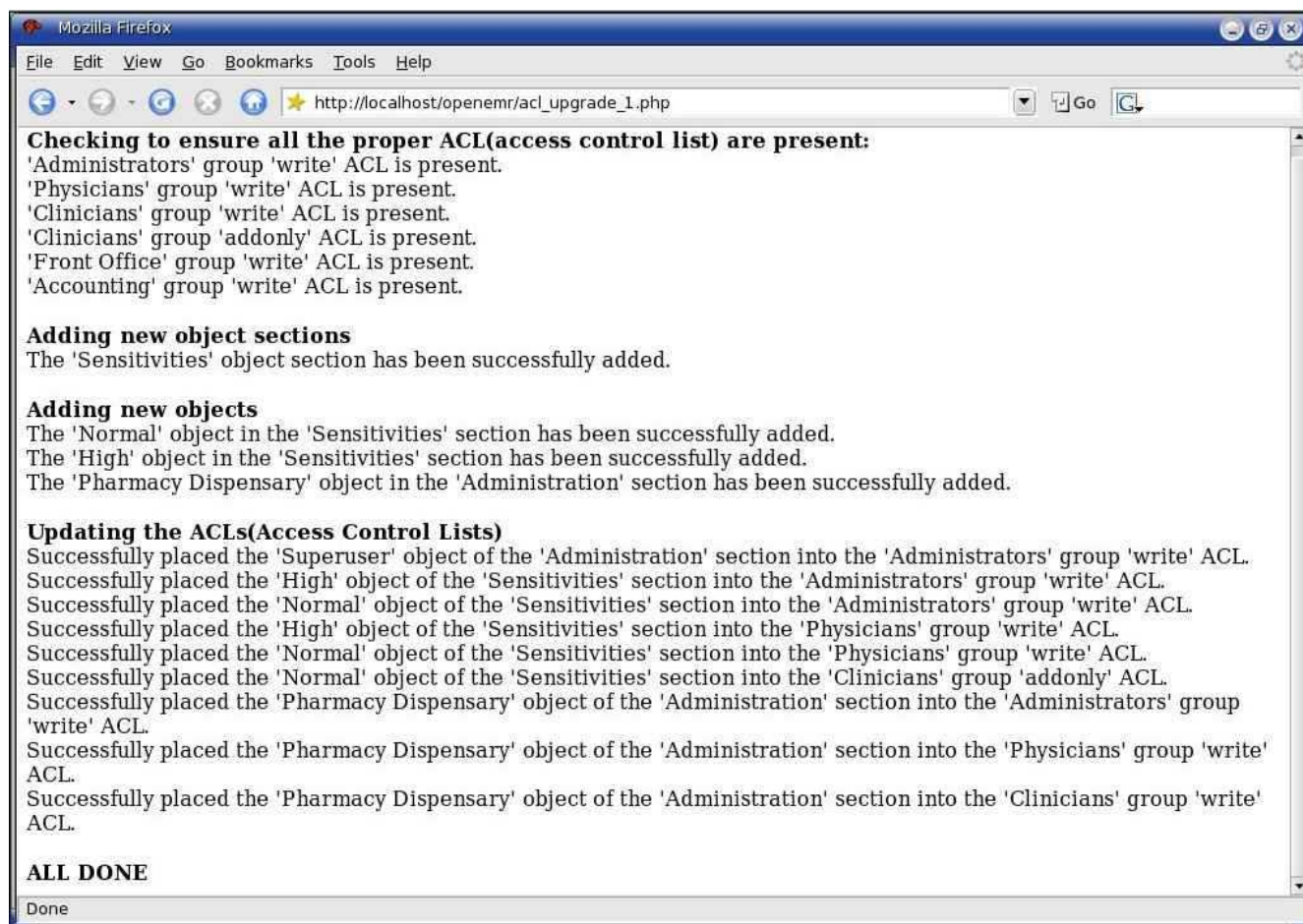
Ensure you got no 'ERRORS'. Close the window.

3. **OPTIONAL** In the appliance, I left the traditional look of OpenEMR as the default. If you want to change to the new frames look(check out the demos to decide), then you will need to follow below instructions.

> #log into root
> **su**
>
> #**OPTIONAL** If you want to change to the new frames look(check out the demos to decide), then you will need to edit the file /var/www/html/openemr/interface/globals.php:
> **mcedit /var/www/html/openemr/interface/globals.php**
> > #edit the below **bolded** variable :
> > $GLOBALS['concurrent_layout'] = **true**;
> **TEXT EDITOR SAVE AND EXIT**

Second, upgrade FreeB:

3. Download freeb-0.13.tar.gz (version 0.13) from sourceforge:
   http://sourceforge.net/project/showfiles.php?group_id=60081

4. Enter below **bolded** instructions on command line as root user:

> #log into root
> **su**
>
> #move old FreeB 0.12 to the backup directory
> **mv /usr/share/freeb**
> **/backupopenemrandfreeb/2_8_2/freeb**
>
> #put the new FreeB 0.13 program in its place
> **cd /usr/share**
> **tar xzvf /location/to/tar/freeb-0.13.tar.gz**
> **mv freeb-* /usr/share/freeb**
>
> #secure FreeB directory
> **chown root:root -R /usr/share/freeb**
>
> #fix a bug with Freeb permissions, and allow execution of the
>   /usr/share/freeb/formatbin/ub92.pl file
> **chmod +x /usr/share/freeb/formatbin/ub92.pl**
>
> #create a directory that apache can write to
> **mkdir /usr/share/freeb/public**
>
> #restore original billing files(if they exist)
> **cp -fr /backupopenemrandfreeb/2_8_2/freeb/public**
> **/usr/share/freeb/**
>
> #Allow apache access to public directory
> **chown apache:apache -R /usr/share/freeb/public**
>
> #restart the freeb service
> **service freeb stop**
> **service freeb start**

YOU ARE DONE