

Upgrade OpenEMR 2.8.3 Appliance To 3.0.1

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[LINK TO MANUAL IN PDF FORMAT](#)

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Discussion Board: https://sourceforge.net/forum/?group_id=60081

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Introduction

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This is an extensive upgrade. I have decided to move away from Mandriva's OS to the Ubuntu server edition OS (8.04). The reason I did this is simply the maintenance Ubuntu provides. Ubuntu maintains this server release for four more years, while Mandriva seems to only maintain releases for about a year. Because of this, I think the move will be well worth it.

For users whom require a GUI desktop, the Ubuntu Server edition OS (8.04) does not come with a desktop, however it is easy to install one and is described in the user manual. The administration in the Ubuntu Server can be mostly done via Webmin, so the interface is still graphical.

There have also been marked changes to OpenEMR, most importantly FreeB, Sql-Ledger, and php-GACL are no longer required separate installations.

So this upgrade will consist of several steps. First we will upgrade to OpenEMR version 3.0.0 on the Mandriva OS. Then we will migrate the medical billing (sql-ledger) and access controls (php-gacl) into OpenEMR. Then we will migrate the updated version of OpenEMR into the new appliance (with Ubuntu server edition OS – 8.04).

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

Step 1) Upgrade OpenEMR

[Main TOC Link](#)

1. Download openemr-3.0.1.tar.gz (version 3.0.1) 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
```

```
#make backup directories
```

```
mkdir /backupopenemrandfreeb/2_8_3
```

```
#move old OpenEMR 2.8.2 to the backup directory
```

```
mv /var/www/html/openemr  
/backupopenemrandfreeb/2_8_3/openemr
```

```
#put the new OpenEMR 3.0.1 program in its place
```

```
cd /var/www/html  
tar pxzvf /location/to/tar/openemr-3.0.1.tar.gz  
mv openemr-3.0.1 /var/www/html/openemr
```

```
#secure OpenEMR
```

```
chown -Rf root:root openemr
```

```
#Restore the original directories
```

```
cp -fr  
/backupopenemrandfreeb/2_8_3/openemr/documents /  
var/www/html/openemr/  
cp -fr /backupopenemrandfreeb/2_8_3/openemr/edi  
/var/www/html/openemr/
```

```
#Need to change some file/folder permissions
```

```
chown -R apache:apache
```

```

/var/www/html/openemr/interface/main/calendar/mod
ules/PostCalendar/pntemplates/cache
chown -R apache:apache
/var/www/html/openemr/interface/main/calendar/mod
ules/PostCalendar/pntemplates/compiled
chown -R apache:apache /var/www/html/openemr/edi
chown -R apache:apache /var/www/html/openemr/era
chown -R apache:apache
/var/www/html/openemr/documents
chown -R apache:apache /var/www/html/openemr/custom/
letter_templates
chown -R apache:apache
/var/www/html/openemr/gacl/admin/templates_c
chown -R apache:apache
/var/www/html/openemr/library/freeb

```

#Now need to edit the new config files. There are seven 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**, openemr/library/acl.inc, **openemr/gacl/gacl.ini.php**, and **openemr/gacl/gacl.class.php**. The below instructions are specific for the openemr 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 2.8.3 config file and will edit four of the new 3.0.1 config files.

```

#replace new /var/www/html/openemr/library/sqlconf.php file
with the old 2.8.3 file
cp -f
/backupopenemrandfreeb/2_8_3/openemr/library/sqlco
nf.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";
$ssl_dbname = 'openemr'; // sql-ledger database
name
$ssl_dbuser = 'sql-ledger'; // sql-ledger database login
name
$ssl_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']
= 1;
$GLOBALS['oer_config']['ws_accounting']['username']
= "openemr";
$GLOBALS['oer_config']['ws_accounting']['password']
= "openemrSqlLedgerpassword"; (click link for
default above password, which is sql-ledger
'openemr' user password, and should be
"openemr")
```

TEXT EDITOR SAVE AND EXIT

```
#edit file /var/www/html/openemr/gacl/gacl.ini.php:
mcedit /var/www/html/openemr/gacl/gacl.ini.php
#edit the following bolded variables :
db_host = "localhost"
db_user = "openemr"
db_password = "openemrMySQLpassword" (click
link for default above password, which is mysql
'openemr' user password, and should be
"openemr")
db_name = "openemr"
```

TEXT EDITOR SAVE AND EXIT

```
#edit file /var/www/html/openemr/gacl/gacl.class.php:
mcedit /var/www/html/openemr/gacl/gacl.class.php
#edit the following bolded variables :
var $_db_host = 'localhost';
var $_db_user = 'openemr';
var $_db_password = 'openemrMySQLpassword';
(click link for default above password, which is
mysql 'openemr' user password, and should be
"openemr")
var $_db_name = 'openemr';
```

TEXT EDITOR SAVE AND EXIT

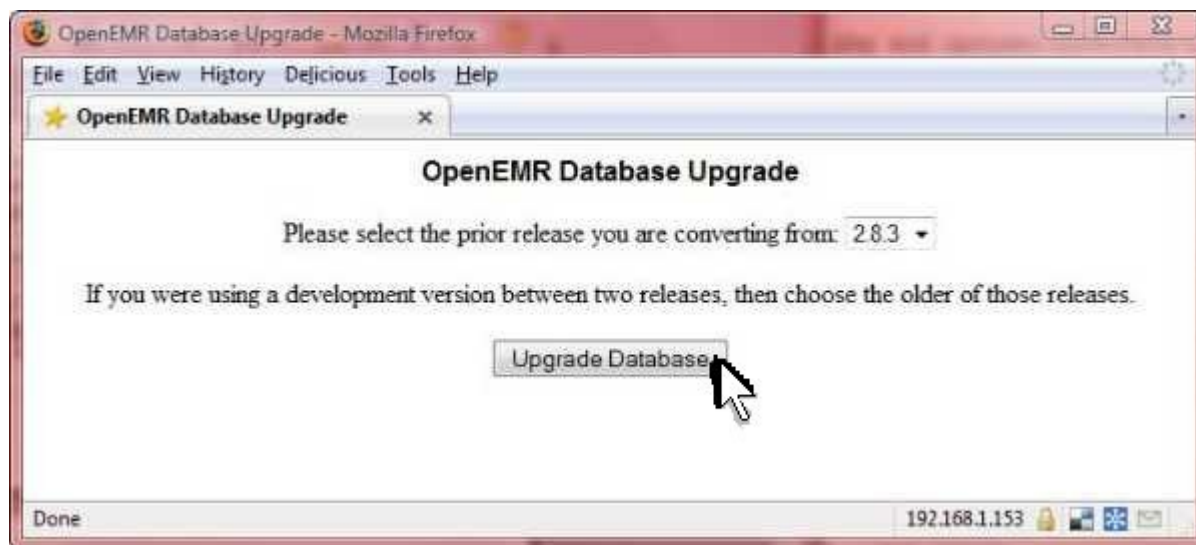
```
#Backup the mysql database into backup directory.
mkdir /backupopenemrandfreeb/2_8_3/mysqldatabase
mysqldump --opt --all-databases | gzip >
/backupopenemrandfreeb/2_8_3/mysqldatabase/mysql
_backup.gz
```

Step 2) Upgrade OpenEMR MySQL database

[Main TOC Link](#)

1. Run mysql upgrade script:

http://localhost/openemr/sql_upgrade.php



Select '2.8.3', then click 'Upgrade Database'.

```
OpenEMR Database Upgrade - Mozilla Firefox
File Edit View History Delicious Tools Help
OpenEMR Database Upgrade
INSERT INTO layout_options VALUES ('DEM','usertext8','6Misc','User Defined Text 8',
8,2,0,10,63,"1.1.",,"User Defined')
ALTER TABLE history_data ADD `userarea11` text NOT NULL DEFAULT "", ADD `userarea12` text
NOT NULL DEFAULT ""
INSERT INTO layout_options VALUES ('HIS','userarea11','5Other','User Defined Area
11','6,3,0,30,3,"1,3.",,"User Defined')
INSERT INTO layout_options VALUES ('HIS','userarea12','5Other','User Defined Area
12','7,3,0,30,3,"1,3.",,"User Defined')
Processing 2_9_0-to-3_0_0_upgrade.sql ...
ALTER TABLE form_misc_billing_options ADD replacement_claim tinyint(1) DEFAULT 0
ALTER TABLE insurance_data ADD accept_assignment varchar(5) NOT NULL DEFAULT 'TRUE'
ALTER TABLE forms ADD deleted TINYINT DEFAULT '0' NOT NULL COMMENT 'flag indicates
form has been deleted'
ALTER TABLE immunizations ADD `vis_date` date default NULL COMMENT 'Date of VIS Statement',
ADD `administered_by` VARCHAR( 255 ) default NULL COMMENT 'Alternative to administered_by id'
CREATE TABLE chart_tracker ( ct_pid int(11) NOT NULL, ct_when datetime NOT NULL, ct_userid
bigint(20) NOT NULL DEFAULT 0, ct_location varchar(31) NOT NULL DEFAULT "", PRIMARY KEY
(ct_pid, ct_when)) ENGINE=MyISAM
INSERT INTO list_options VALUES ('lists','chartloc','Chart Storage Locations',1,0,0)
INSERT INTO list_options VALUES ('chartloc','fileroom','File Room',1,0,0)
ALTER TABLE form_encounter ADD last_level_billed int NOT NULL DEFAULT 0 COMMENT
'0=none, 1=ins1, 2=ins2, etc', ADD last_level_closed int NOT NULL DEFAULT 0 COMMENT '0=none,
1=ins1, 2=ins2, etc', ADD last_stmt_date date DEFAULT NULL, ADD stmt_count int NOT NULL
DEFAULT 0
CREATE TABLE ar_session ( session_id int unsigned NOT NULL AUTO_INCREMENT, payer_id int(11)
NOT NULL COMMENT '0=pt else references insurance_companies.id', user_id int(11) NOT NULL
COMMENT 'references users.id for session owner', closed tinyint(1) NOT NULL DEFAULT 0
COMMENT '0=no, 1=yes', reference varchar(255) NOT NULL DEFAULT "" COMMENT 'check or EOB
number', check_date date DEFAULT NULL, deposit_date date DEFAULT NULL, pay_total decimal(12,2)
NOT NULL DEFAULT 0, PRIMARY KEY (session_id), KEY user_closed (user_id, closed), KEY
deposit_date (deposit_date)) ENGINE=MyISAM
CREATE TABLE ar_activity ( pid int(11) NOT NULL, encounter int(11) NOT NULL, sequence_no int
unsigned NOT NULL AUTO_INCREMENT, code varchar(9) NOT NULL COMMENT 'empty means
claim level', modifier varchar(5) NOT NULL DEFAULT "", payer_type int NOT NULL COMMENT '0=pt,
1=ins1, 2=ins2, etc', post_time datetime NOT NULL, post_user int(11) NOT NULL COMMENT
'references users.id', session_id int unsigned NOT NULL COMMENT 'references ar_session.session_id',
memo varchar(255) NOT NULL DEFAULT "" COMMENT 'adjustment reasons go here', pay_amount
decimal(12,2) NOT NULL DEFAULT 0 COMMENT 'either pay or adj will always be 0', adj_amount
decimal(12,2) NOT NULL DEFAULT 0, PRIMARY KEY (pid, encounter, sequence_no), KEY session_id
(session_id)) ENGINE=MyISAM
ALTER TABLE users ADD ssi_relayhealth varchar(64) NULL
update layout_options set group_name = concat('1', substring(group_name, 2)) where group_name like 'a%'
update layout_options set group_name = concat('2', substring(group_name, 2)) where group_name like 'b%'
update layout_options set group_name = concat('3', substring(group_name, 2)) where group_name like 'c%'
update layout_options set group_name = concat('4', substring(group_name, 2)) where group_name like 'd%'
update layout_options set group_name = concat('5', substring(group_name, 2)) where group_name like 'e%'
update layout_options set group_name = concat('6', substring(group_name, 2)) where group_name like 'f%'
update layout_options set group_name = concat('7', substring(group_name, 2)) where group_name like 'g%'

Database upgrade finished.
Done 192.168.1.153
```

This can take awhile. When 'Database upgrade finished' can be seen at bottom, then can close window.

Step 3) Migrate php-GACL into OpenEMR

[Main TOC Link](#)

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

```
#log into root  
su
```

```
#go to web directory and download the prefix script  
cd /var/www/html/  
wget http://bradymd.com/prefixMod.tar.gz  
tar -xzf prefixMod.tar.gz
```

```
#backup the gacl database before modifying it  
mysqldump gacl > gaclBackup.sql  
mv gaclBackup.sql  
/backupopenemrandfreeb/2_8_3/mysqldatabase/
```

2. Run the downloaded modify database prefix script:
<http://localhost/prefixMod.php>



- 1) 'Enter server address:' -> 'localhost'.
- 2) 'Enter database name:' -> 'gacl'.
- 3) 'Enter database user:' -> 'root'.
- 4) 'Enter database password' -> put your root mysql password here (the default appliance does not have password here so left it blank).
- 5) 'Enter New Prefix' -> 'gacl'.
- 6) Click 'Change Table Prefixes'.



Should see this, then can close window.

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

#log into root

su


```
#delete the php table changer script  
cd /var/www/html/  
rm -f prefixMod.php  
rm -f prefixMod.tar.gz
```

```
#place gacl database into file  
mysqldump gacl > gacl.sql
```

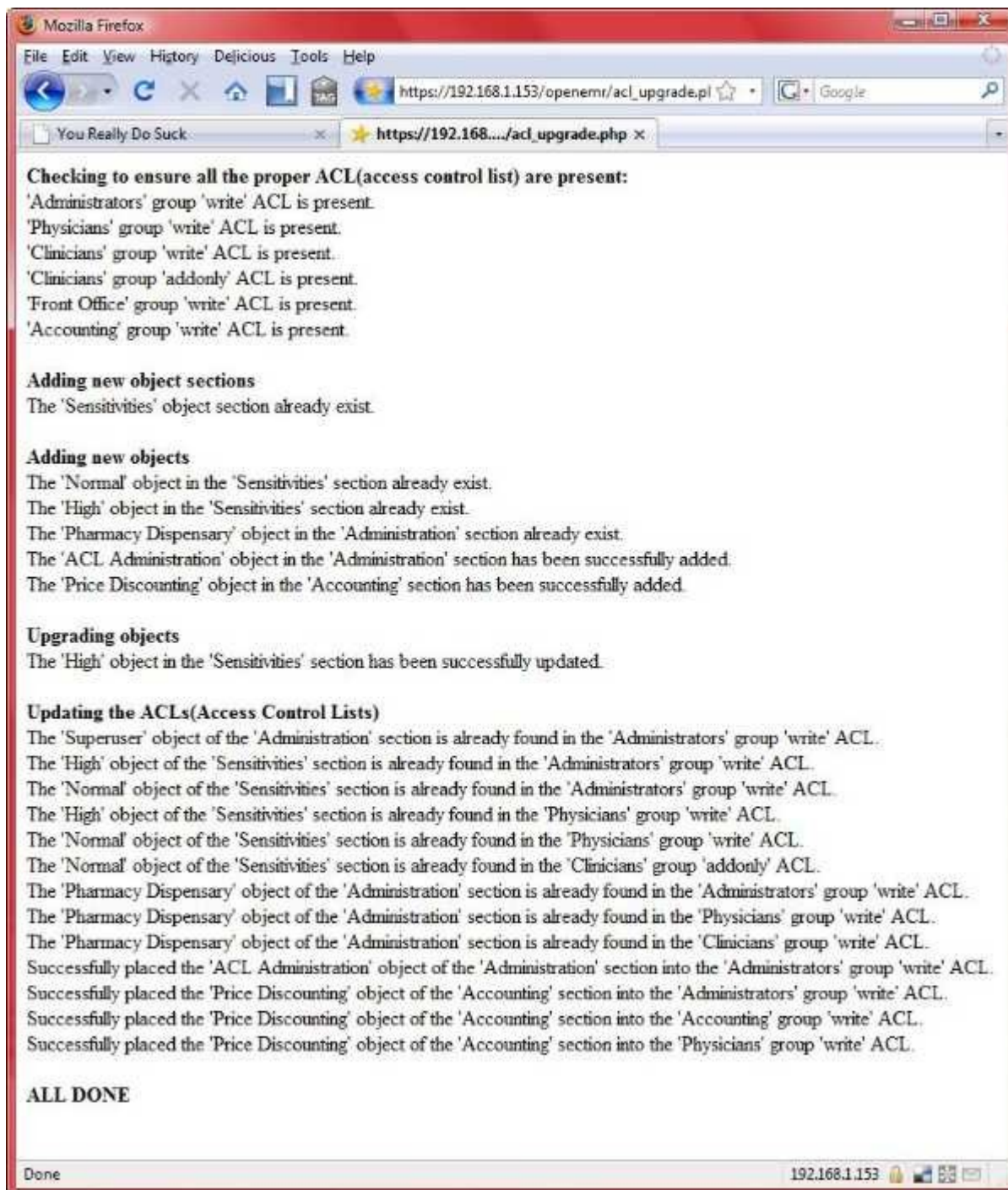
```
#migrate the gacl database into the openemr database  
mysql openemr < gacl.sql
```

```
#remove and drop the old database  
rm -f gacl.sql  
mysqladmin drop gacl  
-y' to confirm
```

Step 4) Upgrade access controls

[Main TOC Link](#)

1. Run access controls upgrade script:
http://localhost/openemr/acl_upgrade.php



Should see this, then can close window.

Step 5) Migrate Sql-Ledger into OpenEMR

[Main TOC Link](#)

1. Run Sql-Ledger migration script:
http://localhost/openemr/sl_convert.php



This can take awhile, can close when done. (note that zero records were processed in my example because I'm upgrading an empty openemr; if you have processed any billing then you will have records and it will take some time to finish).

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

```
#log into root
```

```
su
```

```
#edit file /var/www/html/openemr/includes/config.php:
```

```
mcedit /var/www/html/openemr/includes/config.php
```

```
#edit the following bolded variables :
```

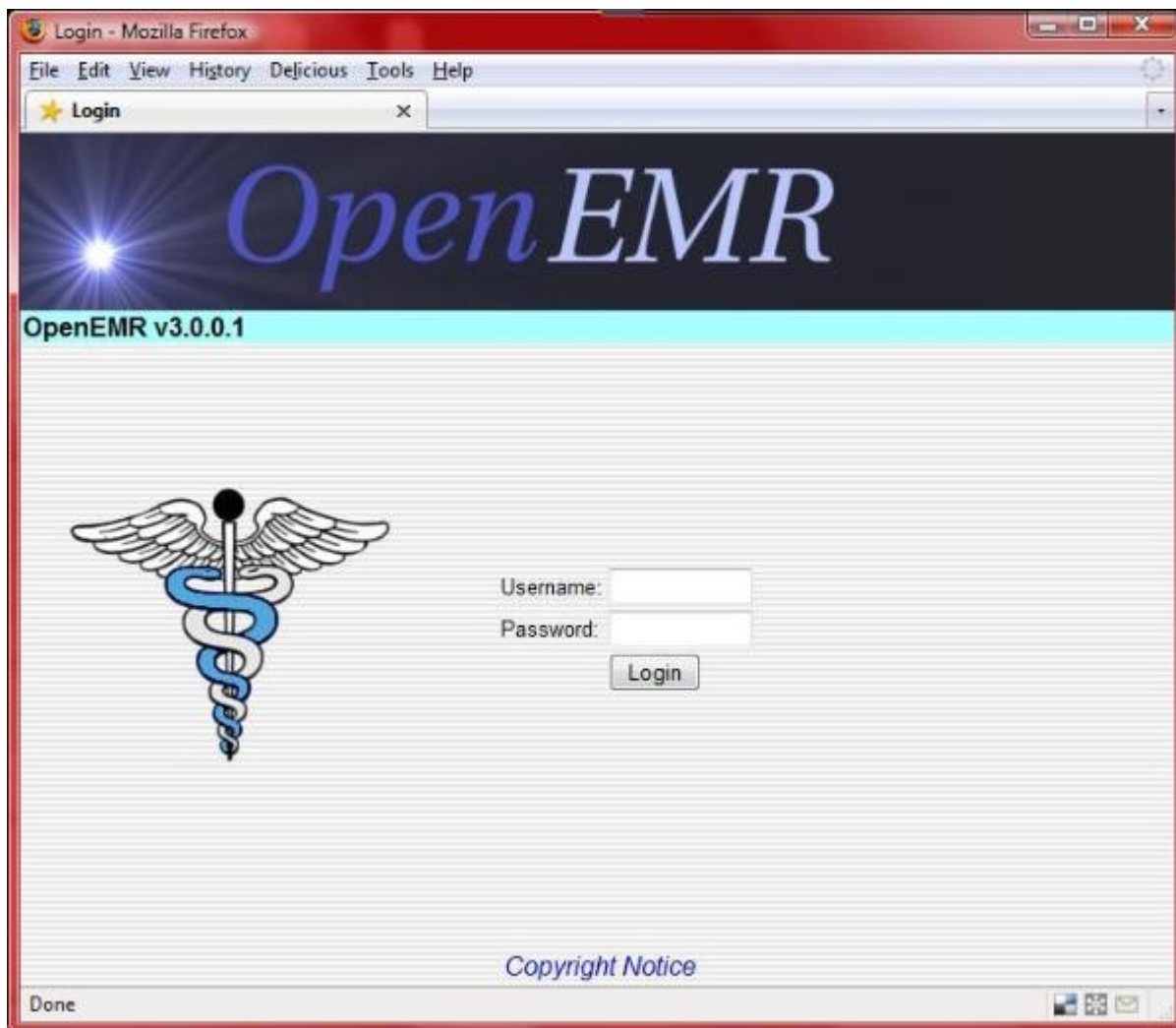
```
$GLOBALS['oer_config']['ws_accounting']['enabled'] = 2;
```

```
TEXT EDITOR SAVE AND EXIT
```

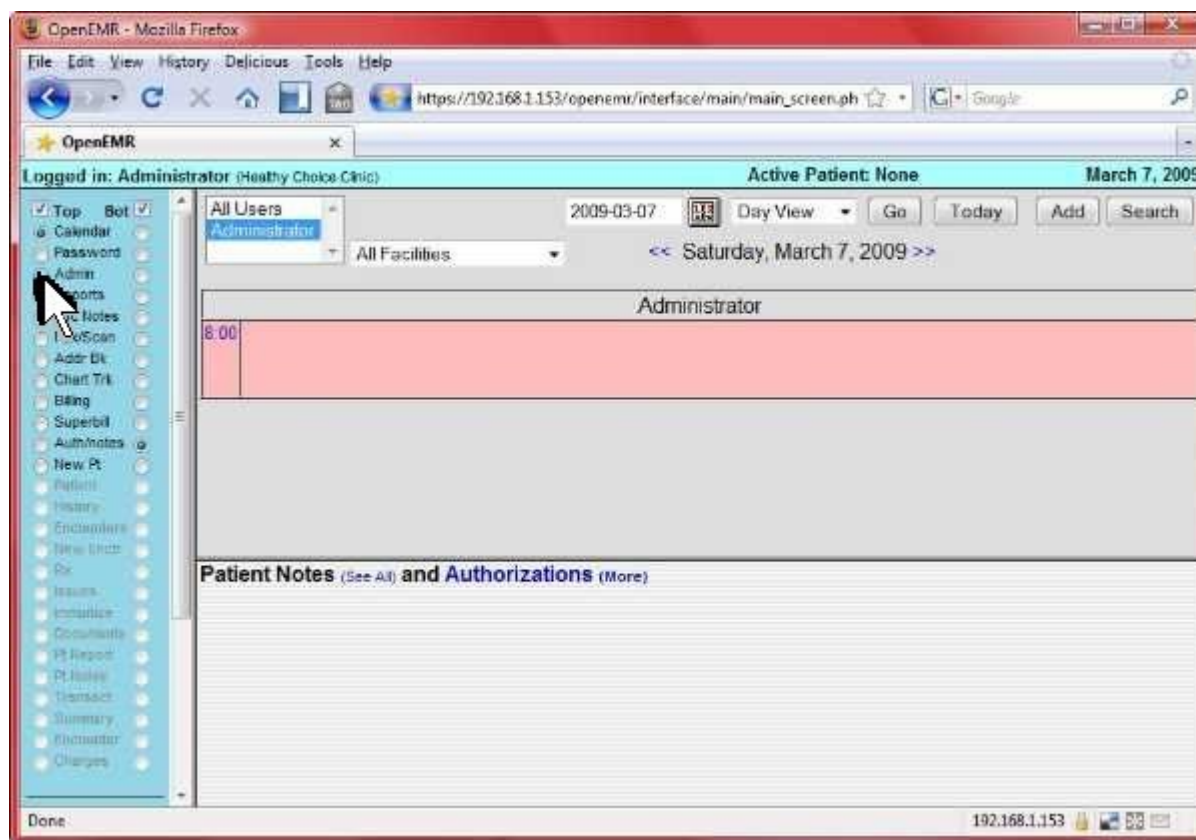
Step 6) Migrate data out of the mandriva appliance

[Main TOC Link](#)

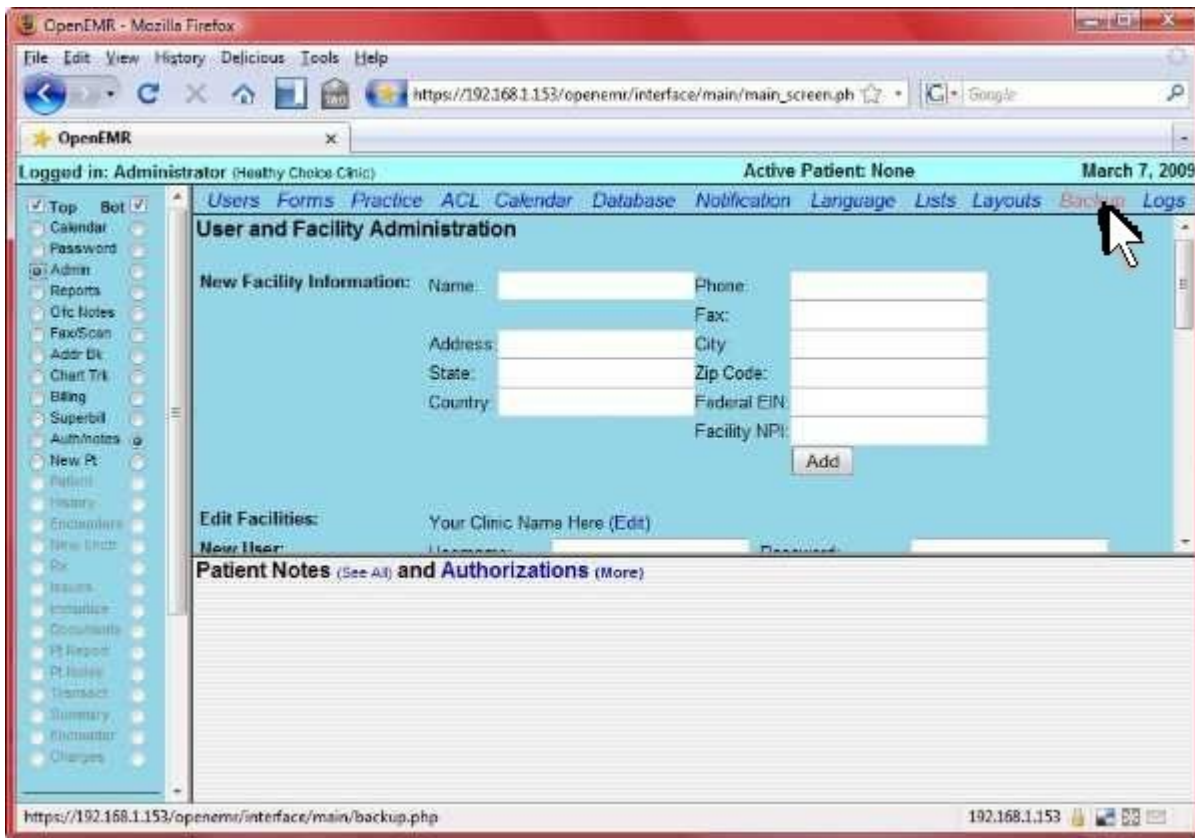
1. Get backup through openemr and save it outside your appliance. Open a browser outside your appliance and go into openemr: <https://ApplianceIPAddress/openemr>



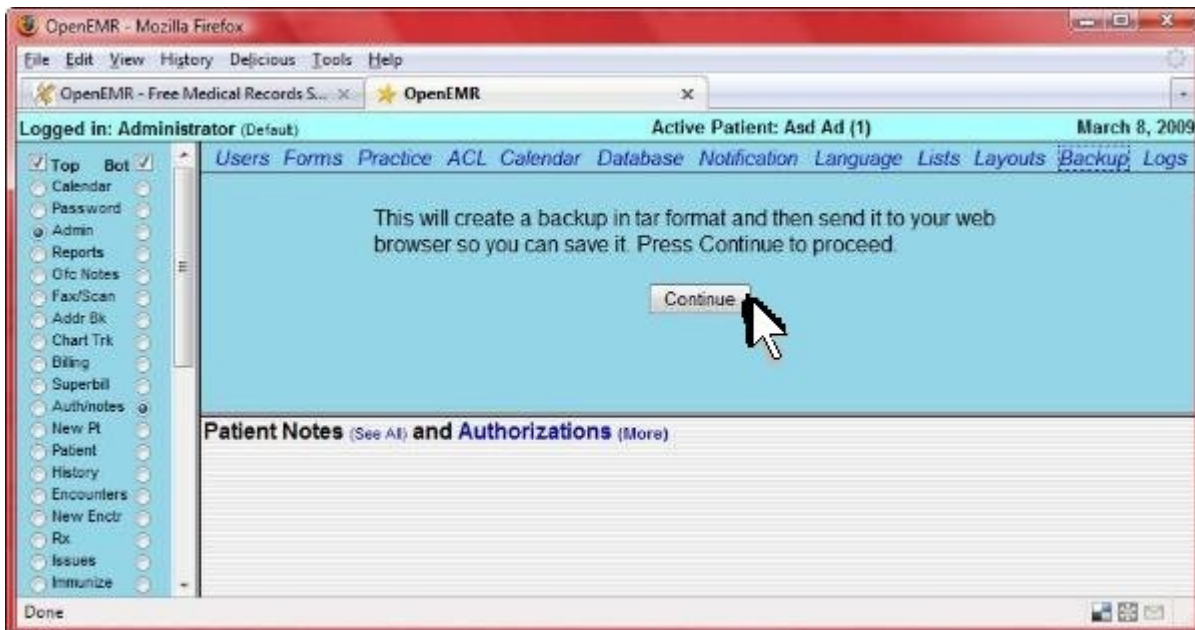
Login to openemr with 'admin' user.



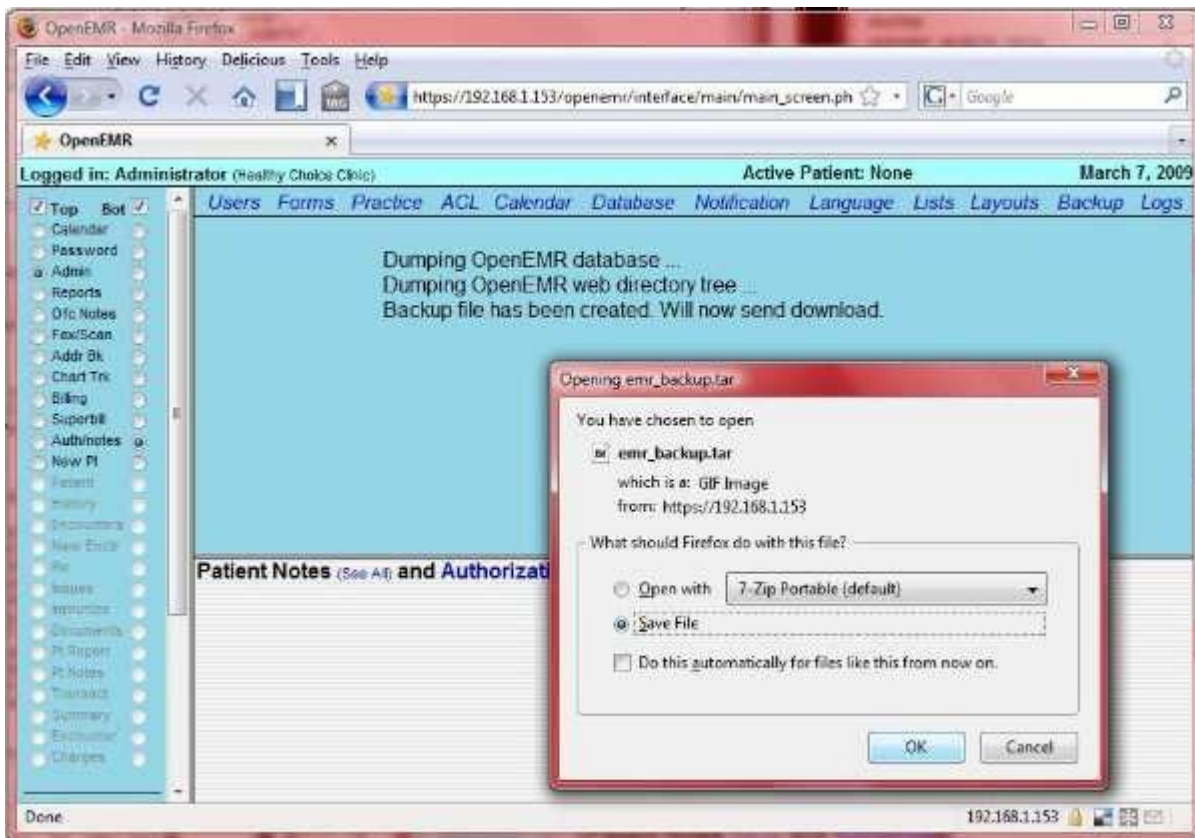
Click radio button to left of 'Admin'.



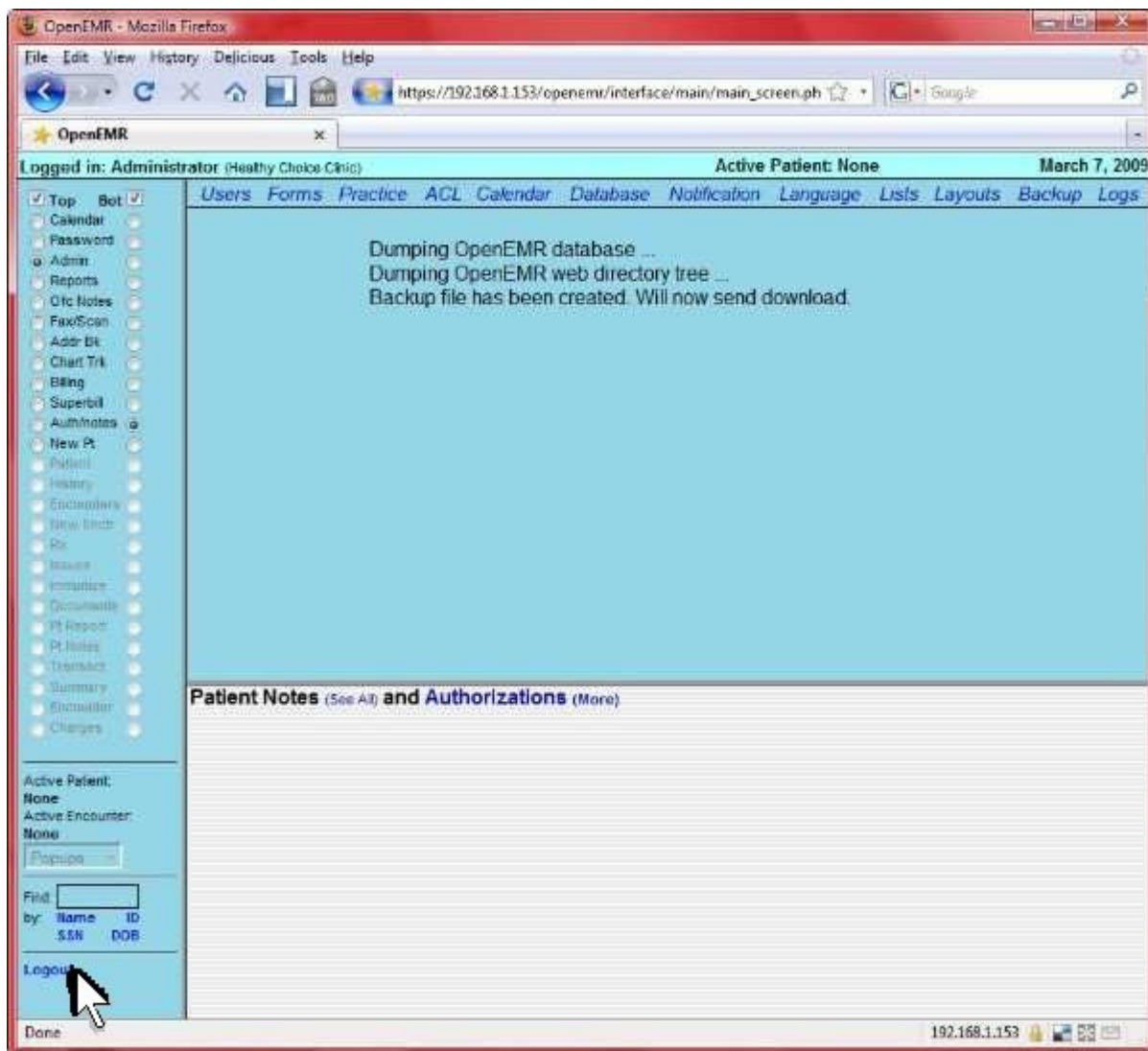
Click 'Backup'.



Click 'Continue'.



Toggle 'Save File', and click 'OK' to save on your computer (note you are not saving this on your appliance; you are saving it on your main computer).



You can now 'Logout', and close the window.

2. Shutdown your mandriva appliance for the last time!! (keep it around in case you left something on it). Enter below **bolded** instructions on command line as root user:

```
#log into root and then shutdown  
su  
shutdown -h now
```

Step 7) Download the OpenEMR 3.0.1 Appliance

[Main TOC Link](#)

1. You can download Appliance via Direct Download or Torrent (file is 760 MB, which extracts to 2GB):

1. Direct Download from Sourceforge:
http://sourceforge.net/project/showfiles.php?group_id=167832
2. Torrent file link: <http://www.bradynd.com/OpenEMR-3-0-1-appliance-1.torrent> (If you need a torrent software client, then try: <http://azureus.sourceforge.net/>)

Step 8) Start the OpenEMR 3.0.1 Appliance

[Main TOC Link](#)

1. There are directions here for both [Windows](#) and [Linux](#).

Windows

[Main TOC Link](#)

1. Unpackage the OpenEMR-3-0-1-appliance-1.zip file.
2. Run VMware Player (screenshot below).



3. Start up the OpenEMR Appliance by opening the OpenEMR-3-0-1-appliance-1.vmx file in the VMware Player.
4. If this is your first time starting the OpenEMR Appliance, then a window will pop up (see screenshot below). Select 'I copied it' and click the 'OK' button.



5. Several windows may also pop up explaining that certain drives or sound drivers are not gonna work. Just click 'ok' and continue.
6. Ubuntu will now boot up, just give it some time. After boot up you will see the following introduction screen:

```
OpenEMR-3-0-0-appliance-1 VMware Player ▾ Devices ▾
* Running local boot scripts (/etc/rc.local) [ OK ]

Welcome to the OpenEMR Appliance!!

Most Recent User Manual can be found at http://bradynd.com/appliance

The IP address of this appliance is: 192.168.1.144
OpenEMR -> https://192.168.1.144/openemr user: admin pass: pass
Webmin -> https://192.168.1.144:10000/ user: openemr pass: openemrcool

The HTTPS(443), SSH(22), and Webmin(10000) ports are open.

Appliance login name is openemr with password openemrcool
To run a command as administrator (user "root"), use "sudo <command>".
sudo command password is openemrcool

MySQL user is openemr with password openemr
MySQL root user has an empty password
(Note that the above passwords are from initial configuration)

Software version information: Ubuntu Server Edition 8.04, OpenEMR 3.0.0, Webmin
1.450, Apache 2.2.8, MySQL 5.0.51a, and PHP 5.2.4.

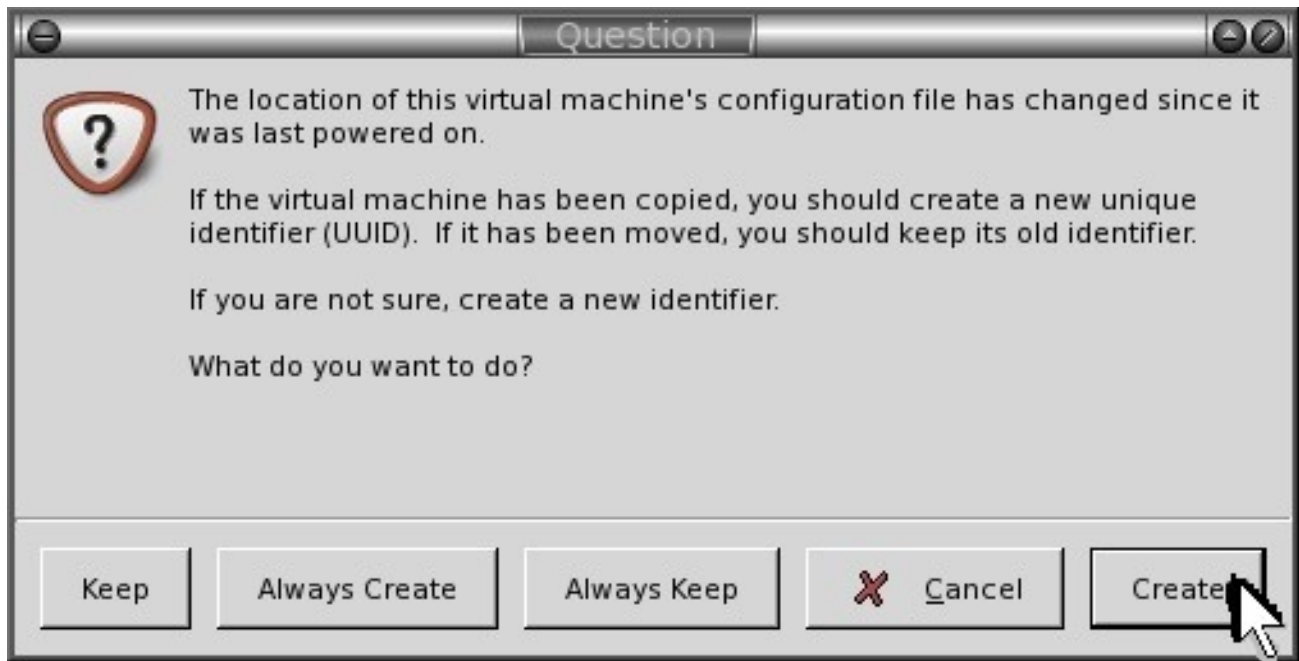
openemr login: _
```

This is the introduction screen. Note that it automatically displays the IP address of your appliance, along with links to OpenEMR and Webmin. These links are customized for you depending on your IP address. The initial important user names and passwords are also displayed.

Linux

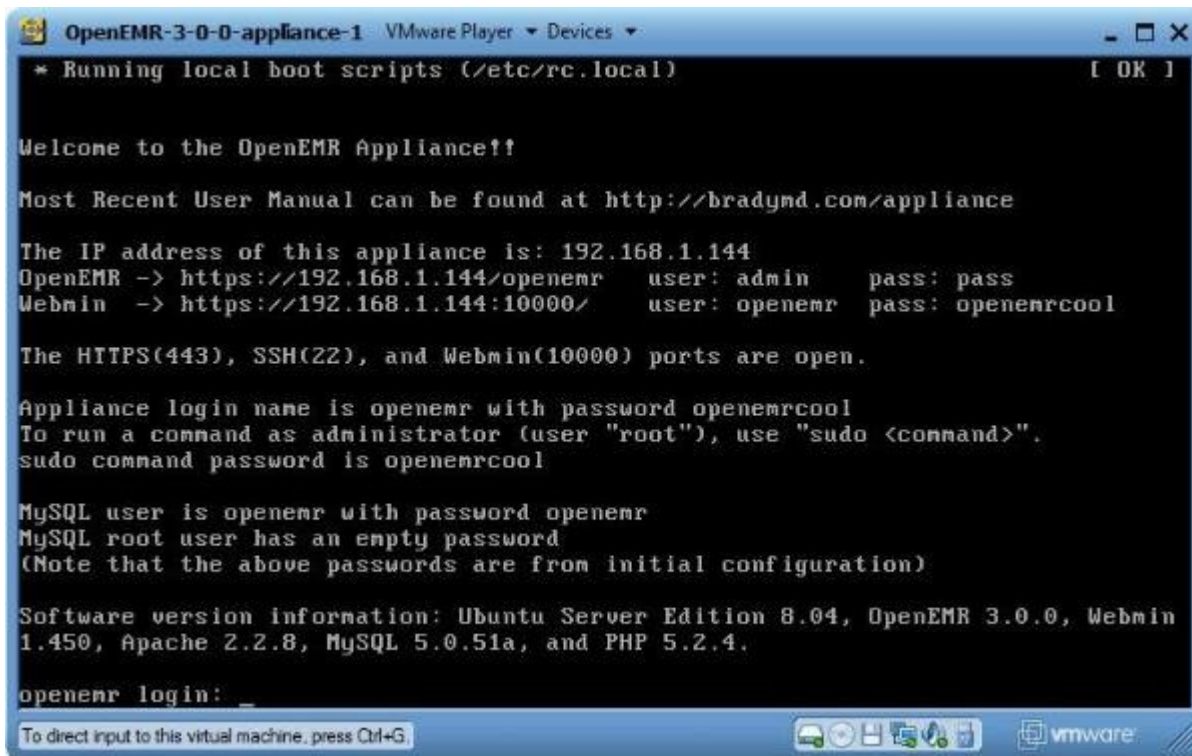
[Main TOC Link](#)

1. Unpackage the OpenEMR-3-0-1-appliance-1.zip file (use the 'unzip OpenEMR-3-0-1-appliance-1.zip' command).
2. Run VMware Player.
3. Start the OpenEMR appliance by opening the OpenEMR-3-0-1-appliance-1.vmx file in the VMware Player.
4. If this is your first time starting the OpenEMR Appliance, then the below window will pop up:



You will only see this window the first time you start the appliance. Click 'Create'.

5. Several windows may also pop up explaining that certain drives or sound drivers are not gonna work. Just click 'ok' and continue.
6. Ubuntu will now boot up, just give it some time. After boot up you will see the following introduction screen:



```
OpenEMR-3-0-0-appliance-1 VMware Player ▾ Devices ▾
* Running local boot scripts (/etc/rc.local) [ OK ]

Welcome to the OpenEMR Appliance!!

Most Recent User Manual can be found at http://bradynd.com/appliance

The IP address of this appliance is: 192.168.1.144
OpenEMR -> https://192.168.1.144/openemr user: admin pass: pass
Webmin -> https://192.168.1.144:10000/ user: openemr pass: openemrcool

The HTTPS(443), SSH(22), and Webmin(10000) ports are open.

Appliance login name is openemr with password openemrcool
To run a command as administrator (user "root"), use "sudo <command>".
sudo command password is openemrcool

MySQL user is openemr with password openemr
MySQL root user has an empty password
(Note that the above passwords are from initial configuration)

Software version information: Ubuntu Server Edition 8.04, OpenEMR 3.0.0, Webmin
1.450, Apache 2.2.8, MySQL 5.0.51a, and PHP 5.2.4.

openemr login: _

To direct input to this virtual machine, press Ctrl+G.
```

This is the introduction screen. Note that it automatically displays the IP address of your appliance, along with links to OpenEMR and Webmin.

These links are customized for you depending on your IP address. The initial important user names and passwords are also displayed.

Step 9) Configure OpenEMR 3.0.1 Appliance with your OpenEMR data

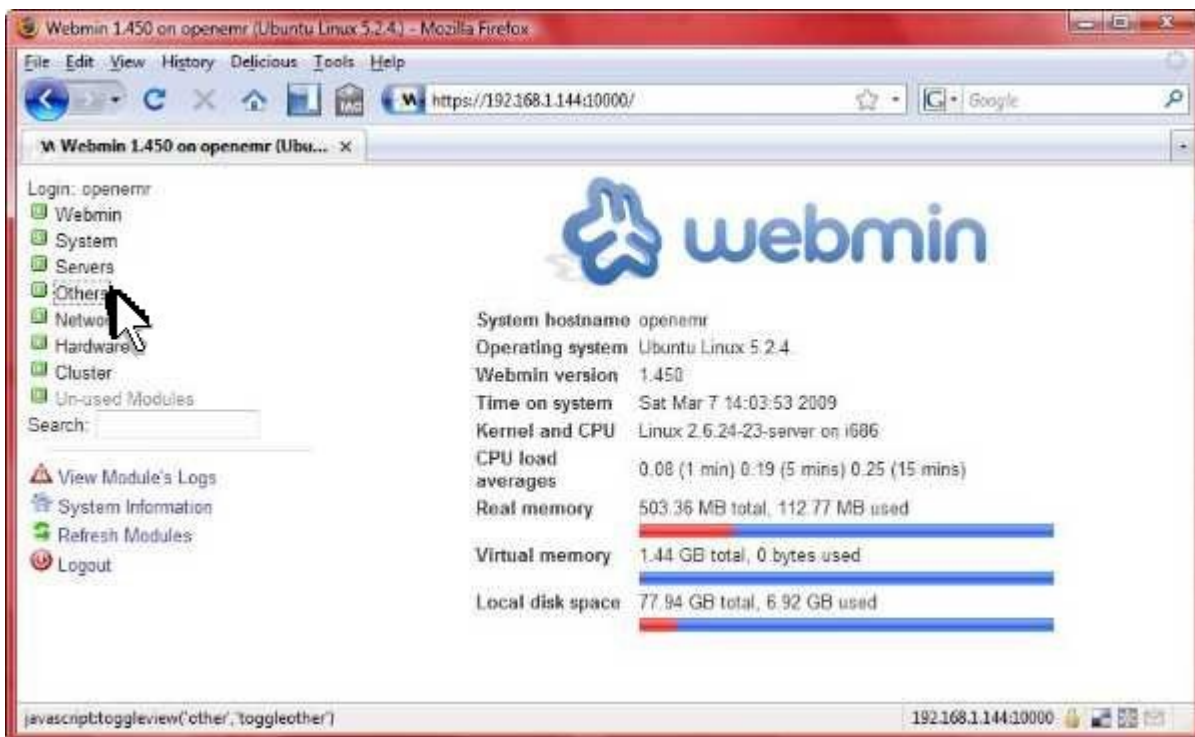
[Main TOC Link](#)

1. Upload backup file to your new appliance via webmin. Point a web browser outside your appliance to the Webmin link reported above in your appliance [introduction](#) screen.

(If you are getting a certificate security error, then first follow the instructions in below appendix section '[Configuring client web browser for https](#)' to configure your web browser.)



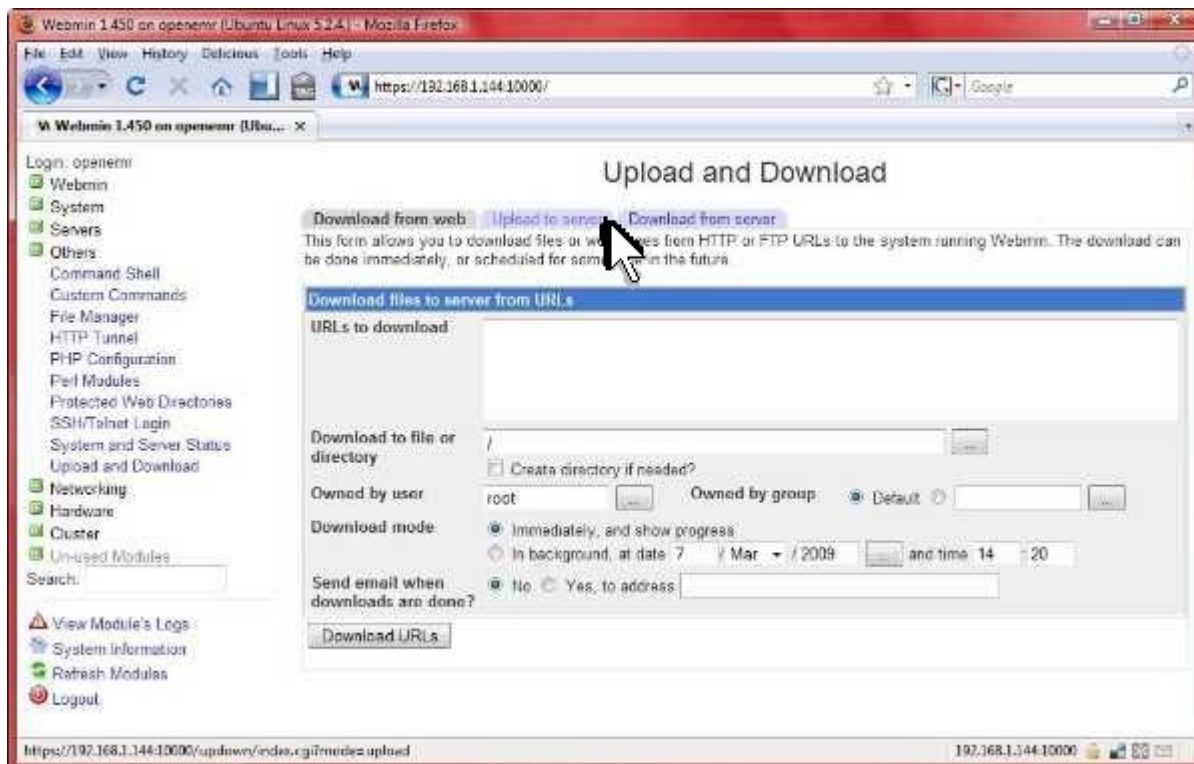
Login with Username -> 'openemr' and Password -> 'openemrcool'.



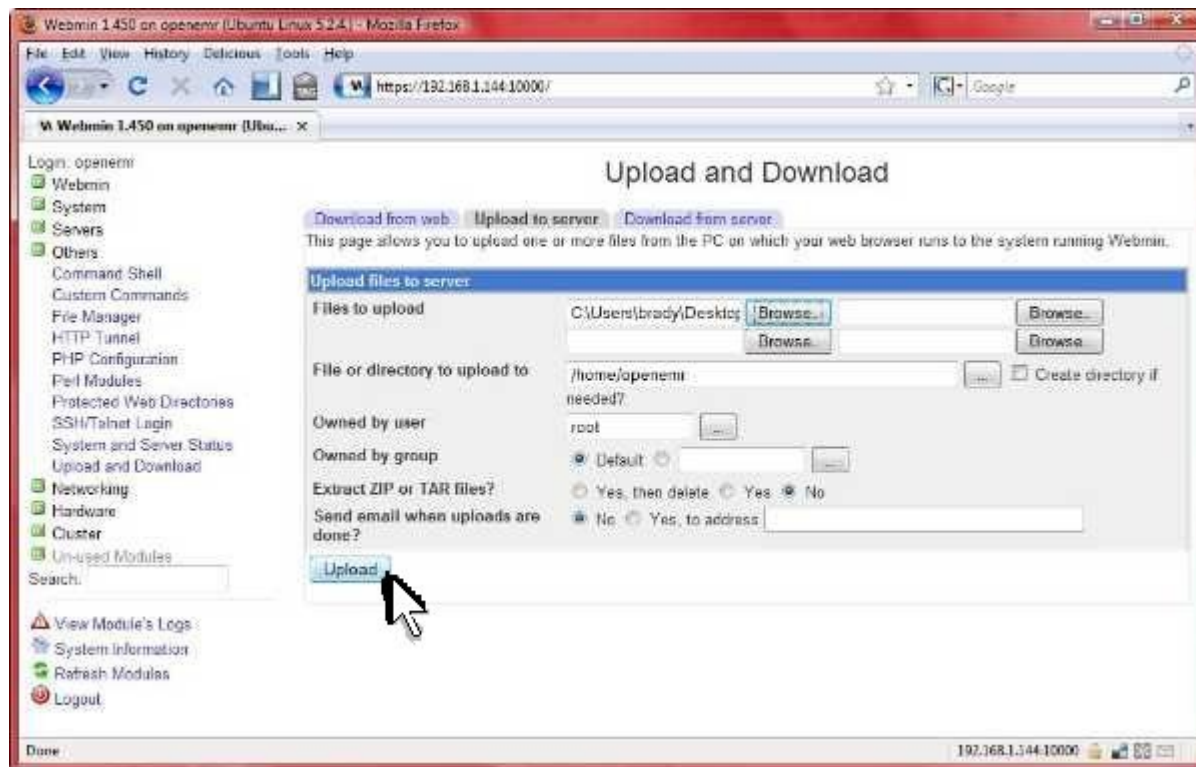
Click 'Others'.



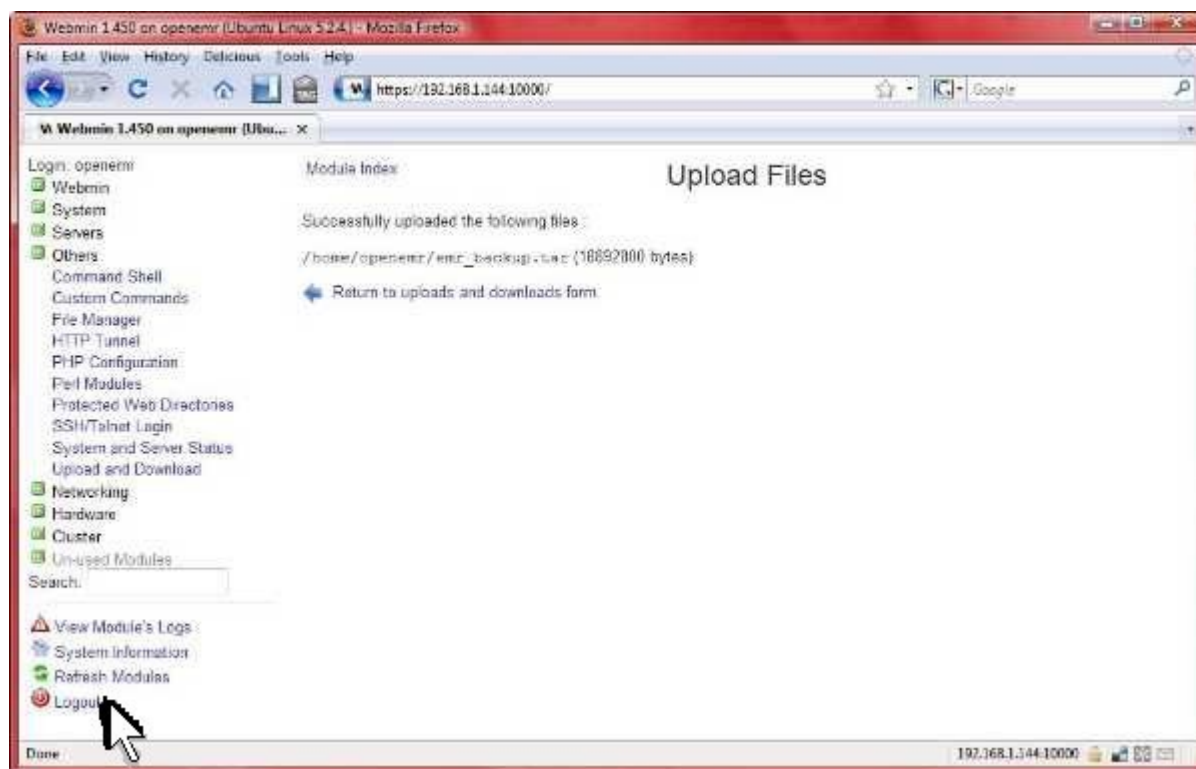
Click 'Upload and Download'.



Click 'Upload to server' tab.



- 1) 'Files to upload' -> browse and select your openemr backup file
- 2) 'File or directory to upload to' -> '/home/openemr'
- 3) Click 'Upload'.



Ensure successful. Then can 'Logout'.

2. Restore your openemr data. Go into the Vmware console and log into appliance user:'openemr' password:'openemrcool'. Enter below **bolded** instructions on command line (if prompted to give password during the sudo command, then use 'openemrcool'):

```
#unpackage your openemr data  
cd /home/openemr  
sudo tar -pxvf emr_backup.tar
```

```
#re-install openemr directory  
sudo rm -fr /var/www/openemr  
sudo mkdir /var/www/openemr  
cd /var/www/openemr  
sudo tar -pxzvf /home/openemr/openemr.tar.gz
```

```
#secure openemr directory  
sudo chown -R root:root /var/www/openemr
```

```
#make selected directories apache writable  
sudo chown -R www-data:www-data  
    /var/www/openemr/documents  
sudo chown -R www-data:www-data /var/www/openemr/edi  
sudo chown -R www-data:www-data /var/www/openemr/era
```

```
sudo chown -R www-data:www-data  
  /var/www/openemr/custom/letter_templates  
sudo chown -R www-data:www-data  
  /var/www/openemr/gacl/admin/templates_c  
sudo chown -R www-data:www-data  
  /var/www/openemr/library/freeb  
sudo chown -R www-data:www-data  
  /var/www/openemr/interface/main/calendar/modules/PostC  
  alendar/pntemplates/cache  
sudo chown -R www-data:www-data  
  /var/www/openemr/interface/main/calendar/modules/PostC  
  alendar/pntemplates/compiled
```

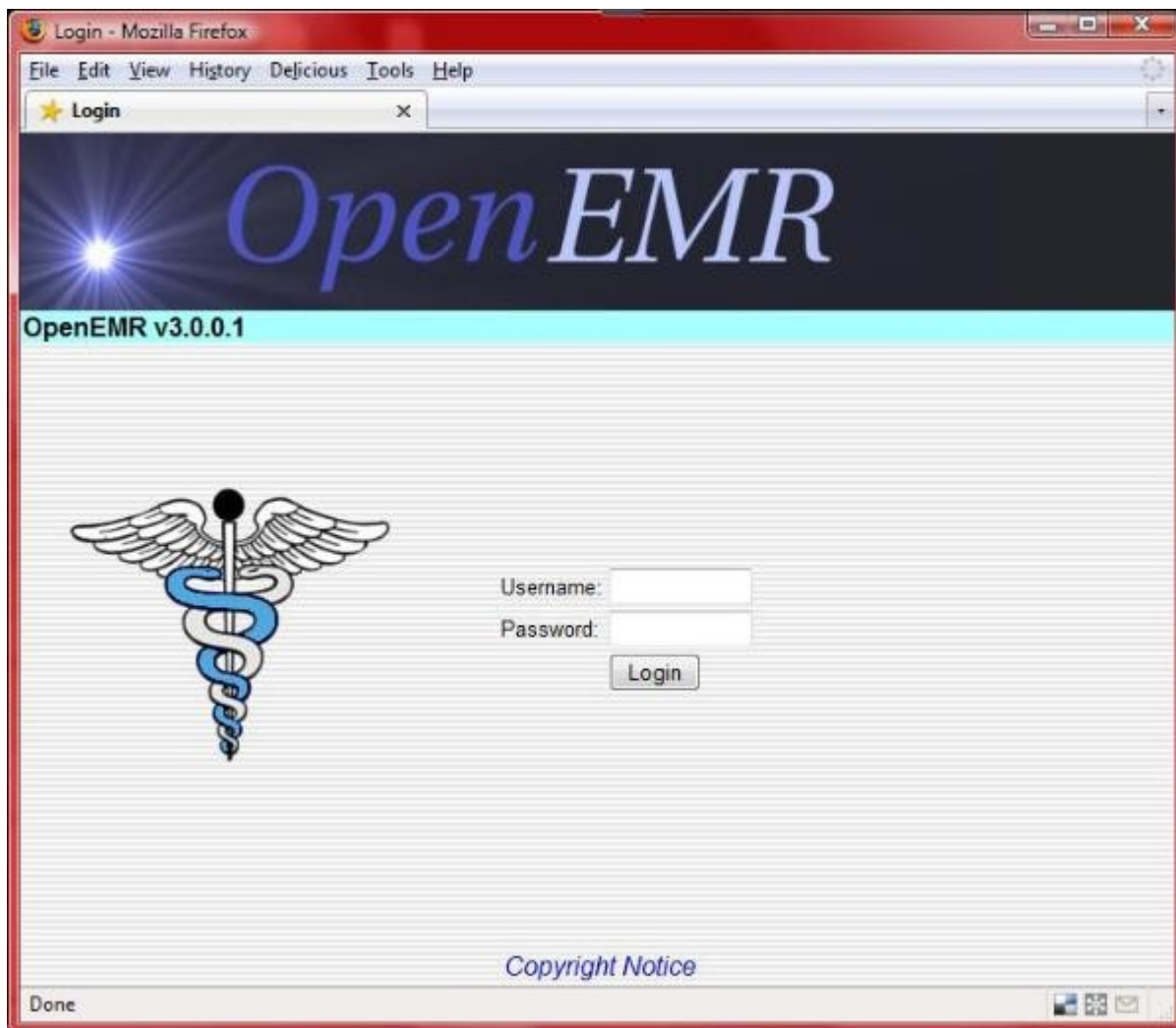
```
#edit file /var/www/openemr/interface/globals.php:  
sudo jed /var/www/openemr/interface/globals.php  
  #edit the following bolded variables :  
  $webserver_root = "/var/www/openemr";  
TEXT EDITOR SAVE AND EXIT
```

```
#Remove, then install-configure your openemr mysql database  
cd /home/openemr  
sudo gunzip openemr.sql.gz  
sudo mysqladmin drop openemr  
  -'y' to confirm  
sudo mysqladmin create openemr  
sudo mysql openemr < openemr.sql
```

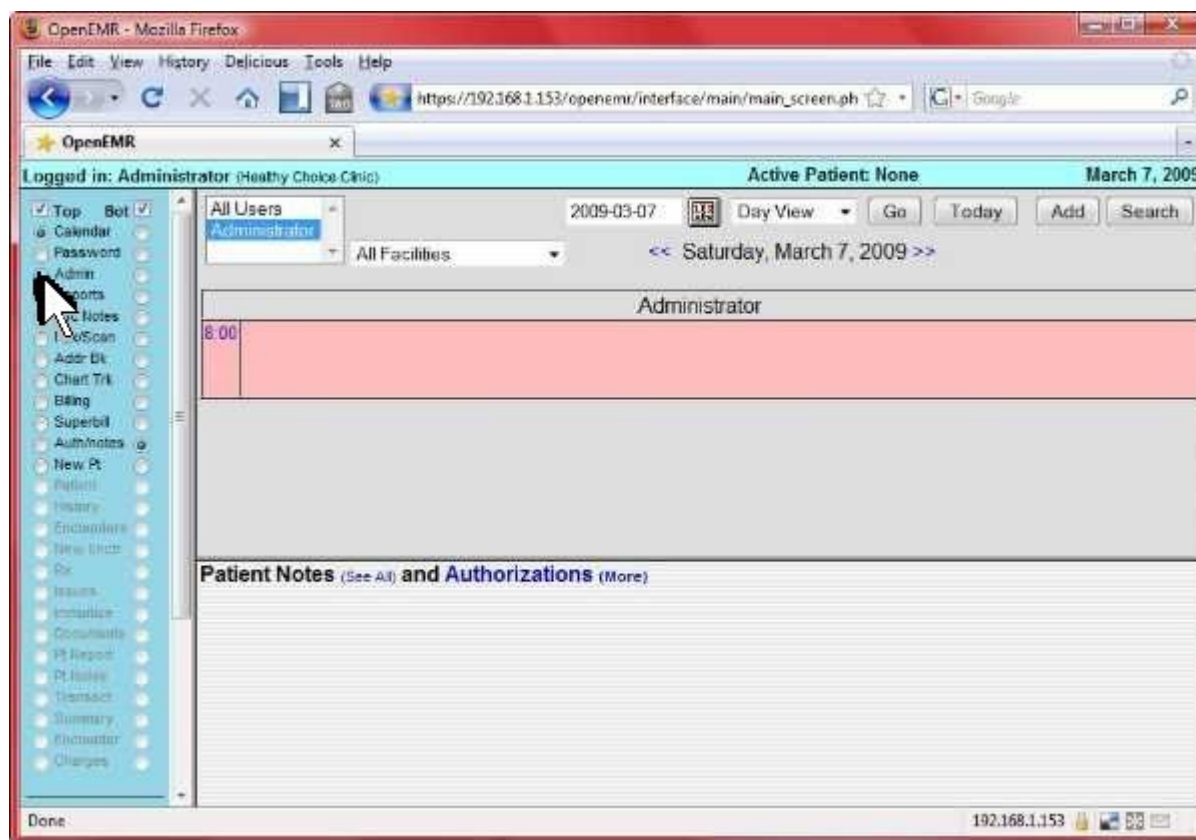
```
# If your MySQL openemr user password is NOT 'openemr'  
# (which is the default) then type below statement with  
# your password to replace openemrMysqlPassword.  
# Otherwise, skip below statement.  
sudo mysql -e "grant all privileges on openemr.* to  
  openemr@localhost identified by 'openemrMysqlPassword';"
```

1. Finally, just need to add two forms in OpenEMR to get your appliance up to date. Point a web browser outside your appliance to the OpenEMR link reported above in your appliance [introduction](#) screen.

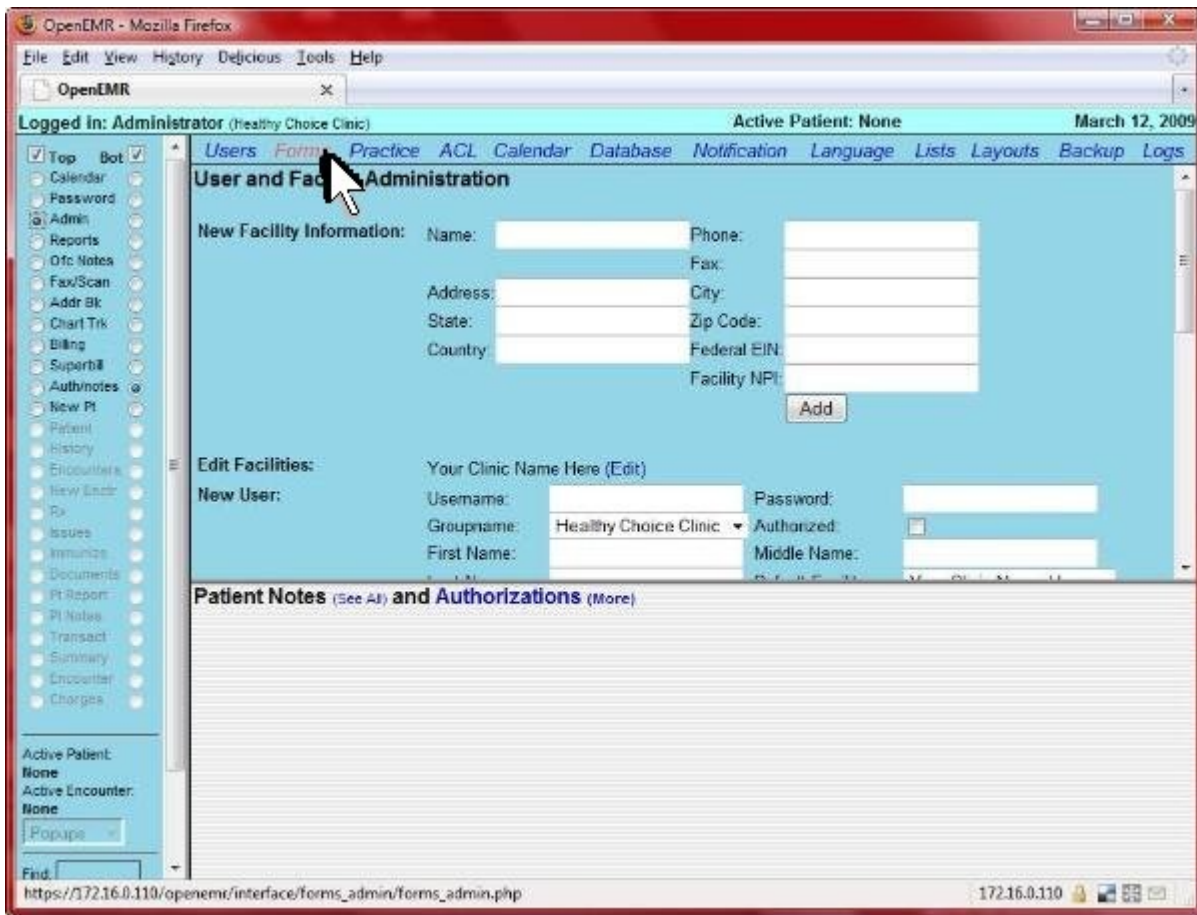
(If you are getting a certificate security error, then first follow the instructions in below appendix section '[Configuring client web browser for https](#)' to configure your web browser.)



Login to openemr with 'admin' user.



Click radio button to left of 'Admin'.



Click 'Forms'.

OpenEMR - Mozilla Firefox

File Edit View History Delicious Tools Help

OpenEMR

Logged in: Administrator (Healthy Choice Clinic) Active Patient: None March 12, 2009

Users Forms Practice ACL Calendar Database Notification Language Lists Layouts Backup Logs

Forms Administration

Registered [click here to update priority, category and nickname settings](#)

	Priority	Category	Nickname
New			
1 Encounter Form	enabled	PHP extracted	DB installed
14 Prior Authorization Form	disabled	PHP extracted	DB installed
13 Review Of Systems	enabled	PHP extracted	DB installed
9 Review of Systems Checks	enabled	PHP extracted	DB installed
11 SOAP	enabled	PHP extracted	DB installed
10 Speech Dictation	enabled	PHP extracted	DB installed
12 Vitals	enabled	PHP extracted	DB installed

Unregistered

fee_sheet	register	PHP extracted	n/a
ankleinjury	register	PHP extracted	n/a
bronchitis	register	PHP extracted	n/a
brief aan verwijzer	register	PHP extracted	n/a
physical_exam	register	PHP extracted	n/a
psychiatrisch onderzoek	register	PHP extracted	n/a
intakeverslag	register	PHP extracted	n/a
vitalsM	register	PHP extracted	n/a
CAMOS	register	PHP extracted	n/a
note	register	PHP extracted	n/a
misc_billing_options	register	PHP extracted	n/a

Active Patient: None
Active Encounter: None
Popups

Find:
by: Name ID
SSN DOB

Logout

Patient Notes (See All) and Authorizations (More)

https://172.16.0.110/openemr/interface/forms_admin/forms_admin.php?name=fee_sheet&method=register 172.16.0.110

Click 'register' in the 'fee_sheet' row.

OpenEMR - Mozilla Firefox

File Edit View History Delicious Tools Help

OpenEMR

Logged in: Administrator (Healthy Choice Clinic) Active Patient: None March 12, 2009

Users Forms Practice ACL Calendar Database Notification Language Lists Layouts Backup Logs

Forms Administration

Registered [click here to update priority, category and nickname settings](#)

				Priority	Category	Nickname
15 Fee Sheet	registered	PHP extracted	install DB	0	category	
New Encounter Form	enabled	PHP extracted	DB installed	0	category	
14 Prior Authorization Form	disabled	PHP extracted	DB installed	0	category	
13 Review Of Systems	enabled	PHP extracted	DB installed	0	category	
9 Review of Systems Checks	enabled	PHP extracted	DB installed	0	category	
11 SOAP	enabled	PHP extracted	DB installed	0	category	
10 Speech Dictation	enabled	PHP extracted	DB installed	0	category	
12 Vitals	enabled	PHP extracted	DB installed	0	category	

Unregistered

ankleinjury	register	PHP extracted	n/a
bronchitis	register	PHP extracted	n/a
brief_aan_verwijzer	register	PHP extracted	n/a
physical_exam	register	PHP extracted	n/a
psychiatrisch_onderzoek	register	PHP extracted	n/a
intakeverslag	register	PHP extracted	n/a
vitalsM	register	PHP extracted	n/a
CAMOS	register	PHP extracted	n/a
note	register	PHP extracted	n/a
misc_billing_options	register	PHP extracted	n/a

Active Patient: None
Active Encounter: None
Popups

Find:
by: Name ID
SSN DOB

Logout

Done 172.16.0.110

Click 'install DB' in the 'Fee Sheet' row.

OpenEMR - Mozilla Firefox

File Edit View History Delicious Tools Help

OpenEMR

Logged in: Administrator (Healthy Choice Clinic) Active Patient: None March 12, 2009

Users Forms Practice ACL Calendar Database Notification Language Lists Layouts Backup Logs

Forms Administration

Registered

[click here to update priority, category and nickname settings](#)

	Priority	Category	Nickname
15 Fee Sheet disabled PHP extracted installed	0	category	
New 1 Encounter Form enabled PHP extracted installed	0	category	
14 Prior Authorization Form disabled PHP extracted installed	0	category	
13 Review Of Systems enabled PHP extracted installed	0	category	
9 Review of Systems Checks enabled PHP extracted installed	0	category	
11 SOAP enabled PHP extracted installed	0	category	
10 Speech Dictation enabled PHP extracted installed	0	category	
12 Vitals enabled PHP extracted installed	0	category	

Unregistered

ankleinjury	register	PHP extracted	n/a
bronchitis	register	PHP extracted	n/a
brief_aan_verwijzer	register	PHP extracted	n/a
physical_exam	register	PHP extracted	n/a
psychiatrisch_onderzoek	register	PHP extracted	n/a
intakeverslag	register	PHP extracted	n/a
vitalsM	register	PHP extracted	n/a
CAMOS	register	PHP extracted	n/a
note	register	PHP extracted	n/a
misc_billing_options	register	PHP extracted	n/a

Active Patient: None

Active Encounter: None

Find:

by: Name ID
SSN DOB

Logout

Patent Notes (See All) and Authorizations (More)

https://172.16.0.110/openemr/interface/forms_admin/forms_admin.php?id=15&method=enable 172.16.0.110

Click 'disabled' in the 'Fee Sheet' row.

OpenEMR - Mozilla Firefox

File Edit View History Delicious Tools Help

OpenEMR

Logged in: Administrator (Healthy Choice Clinic) Active Patient: None March 12, 2009

Users Forms Practice ACL Calendar Database Notification Language Lists Layouts Backup Logs

Forms Administration

Registered

[click here to update priority, category and nickname settings](#)

	Priority	Category	Nickname
15 Fee Sheet	enabled	PHP extracted	DB installed
1 New Encounter Form	enabled	PHP extracted	DB installed
14 Prior Authorization Form	disabled	PHP extracted	DB installed
13 Review Of Systems	enabled	PHP extracted	DB installed
9 Review of Systems Checks	enabled	PHP extracted	DB installed
11 SOAP	enabled	PHP extracted	DB installed
10 Speech Dictation	enabled	PHP extracted	DB installed
12 Vitals	enabled	PHP extracted	DB installed

Unregistered

ankleinjury	register	PHP extracted	n/a
bronchitis	register	PHP extracted	n/a
brief_aan_verwijzer	register	PHP extracted	n/a
physical_exam	register	PHP extracted	n/a
psychiatrisch_onderzoek	register	PHP extracted	n/a
intakeverslag	register	PHP extracted	n/a
vitalsM	register	PHP extracted	n/a
CAMOS	register	PHP extracted	n/a
note	register	PHP extracted	n/a
misc_billing_options	register	PHP extracted	n/a

Active Patient: None

Active Encounter: None

Find:

by: Name ID
SSN DOB

Logout

Patient Notes (See All) and Authorizations (More)

https://172.16.0.110/openemr/interface/forms_admin/forms_admin.php?name=misc_billing_options&method=register 172.16.0.110

Click 'register' in the 'misc_billing_options' row.

OpenEMR - Mozilla Firefox

File Edit View History Delicious Tools Help

OpenEMR

Logged in: Administrator (Healthy Choice Clinic) Active Patient: None March 12, 2009

Users Forms Practice ACL Calendar Database Notification Language Lists Layouts Backup Logs

Forms Administration

Registered [click here to update priority, category and nickname settings](#)

				Priority	Category	Nickname
15 Fee Sheet	enabled	PHP extracted	DB installed	0	category	
Misc Billing Options HCFA	registered	PHP extracted	DB installed	0	category	
1 New Encounter Form	enabled	PHP extracted	DB installed	0	category	
14 Prior Authorization Form	disabled	PHP extracted	DB installed	0	category	
13 Review Of Systems	enabled	PHP extracted	DB installed	0	category	
9 Review of Systems Checks	enabled	PHP extracted	DB installed	0	category	
11 SOAP	enabled	PHP extracted	DB installed	0	category	
10 Speech Dictation	enabled	PHP extracted	DB installed	0	category	
12 Vitals	enabled	PHP extracted	DB installed	0	category	

Unregistered

ankleinjury	register	PHP extracted	n/a
bronchitis	register	PHP extracted	n/a
brief_aan_verwijzer	register	PHP extracted	n/a
physical_exam	register	PHP extracted	n/a
psychiatrisch_onderzoek	register	PHP extracted	n/a
intakeverslag	register	PHP extracted	n/a
vitalsM	register	PHP extracted	n/a
CAMOS	register	PHP extracted	n/a

Patient Notes (See All) and Authorizations (More)

Active Patient: None
Active Encounter: None
Popups

Find:
by: Name ID
SSN DOB

Logout

https://172.16.0.110/openemr/interface/forms_admin/forms_admin.php?id=16&method=install_db 172.16.0.110

Click 'install DB' in the 'Misc Billing Options HFCA' row.

OpenEMR - Mozilla Firefox

File Edit View History Delicious Tools Help

OpenEMR

Logged in: Administrator (Healthy Choice Clinic) Active Patient: None March 12, 2009

Users Forms Practice ACL Calendar Database Notification Language Lists Layouts Backup Logs

Forms Administration

Registered [click here to update priority, category and nickname settings](#)

	Priority	Category	Nickname
15 Fee Sheet	enabled	PHP extracted installed	0 category
16 Misc Billing Options HCFA	disabled	PHP extracted installed	0 category
New Encounter Form	enabled	PHP extracted installed	0 category
Prior Authorization Form	disabled	PHP extracted installed	0 category
13 Review Of Systems	enabled	PHP extracted installed	0 category
9 Review of Systems Checks	enabled	PHP extracted installed	0 category
11 SOAP	enabled	PHP extracted installed	0 category
10 Speech Dictation	enabled	PHP extracted installed	0 category
12 Vitals	enabled	PHP extracted installed	0 category

Unregistered

ankleinjury	register	PHP extracted	n/a
bronchitis	register	PHP extracted	n/a
brief_aan_verwijzer	register	PHP extracted	n/a
physical_exam	register	PHP extracted	n/a
psychiatrisch_onderzoek	register	PHP extracted	n/a
intakeverslag	register	PHP extracted	n/a
vitalsM	register	PHP extracted	n/a
CAMOS	register	PHP extracted	n/a
note	register	PHP extracted	n/a

Patient Notes (See All) and Authorizations (More)

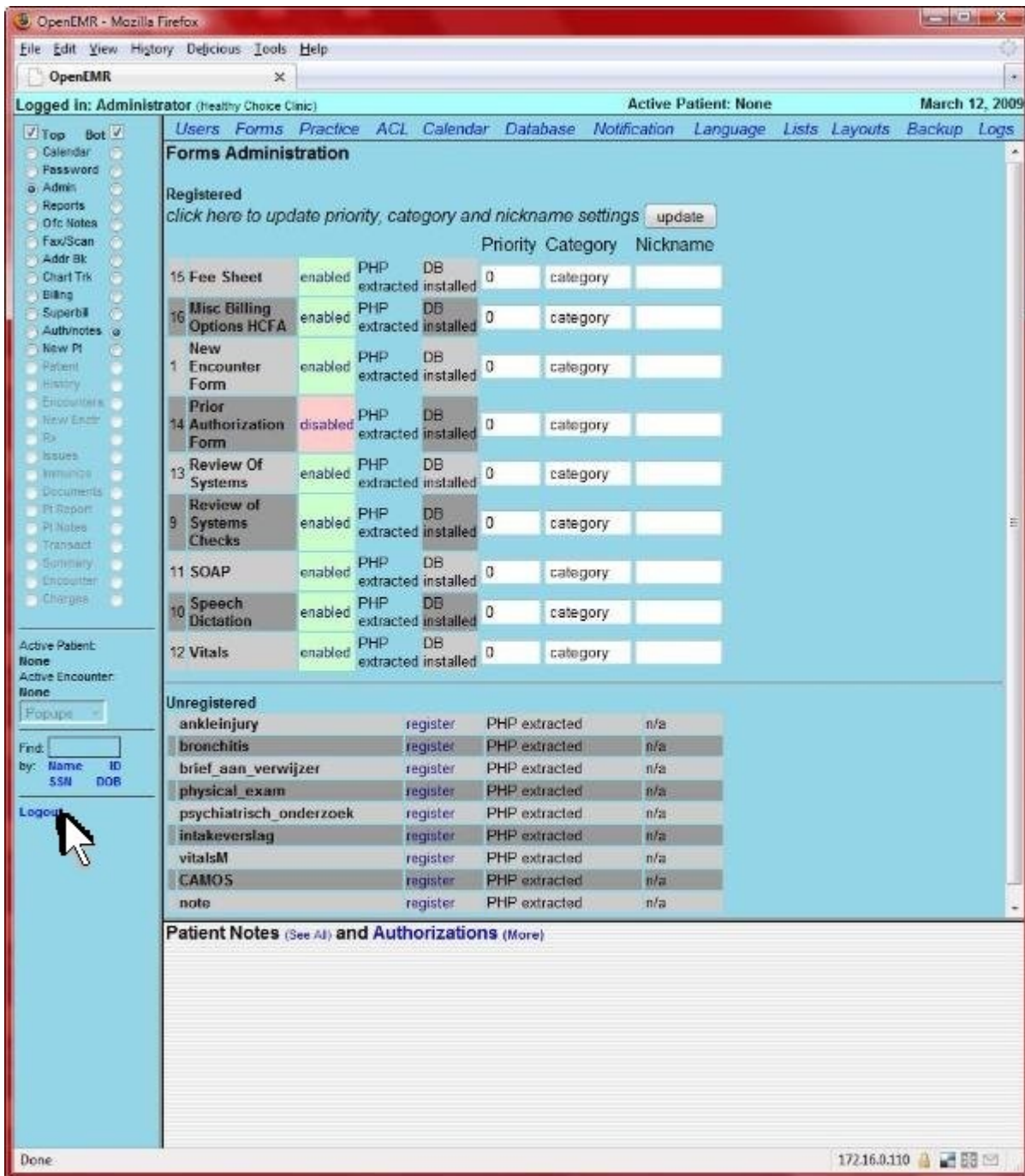
Active Patient: None
Active Encounter: None
#Popups

Find:
by: Name ID
SSN DOB

Logout

https://172.16.0.110/openemr/interface/forms_admin/forms_admin.php?id=16&method=enable 172.16.0.110

Click 'disabled' in the 'Misc Billing Options HFCA' row.



Click 'Logout'.

YOU ARE DONE

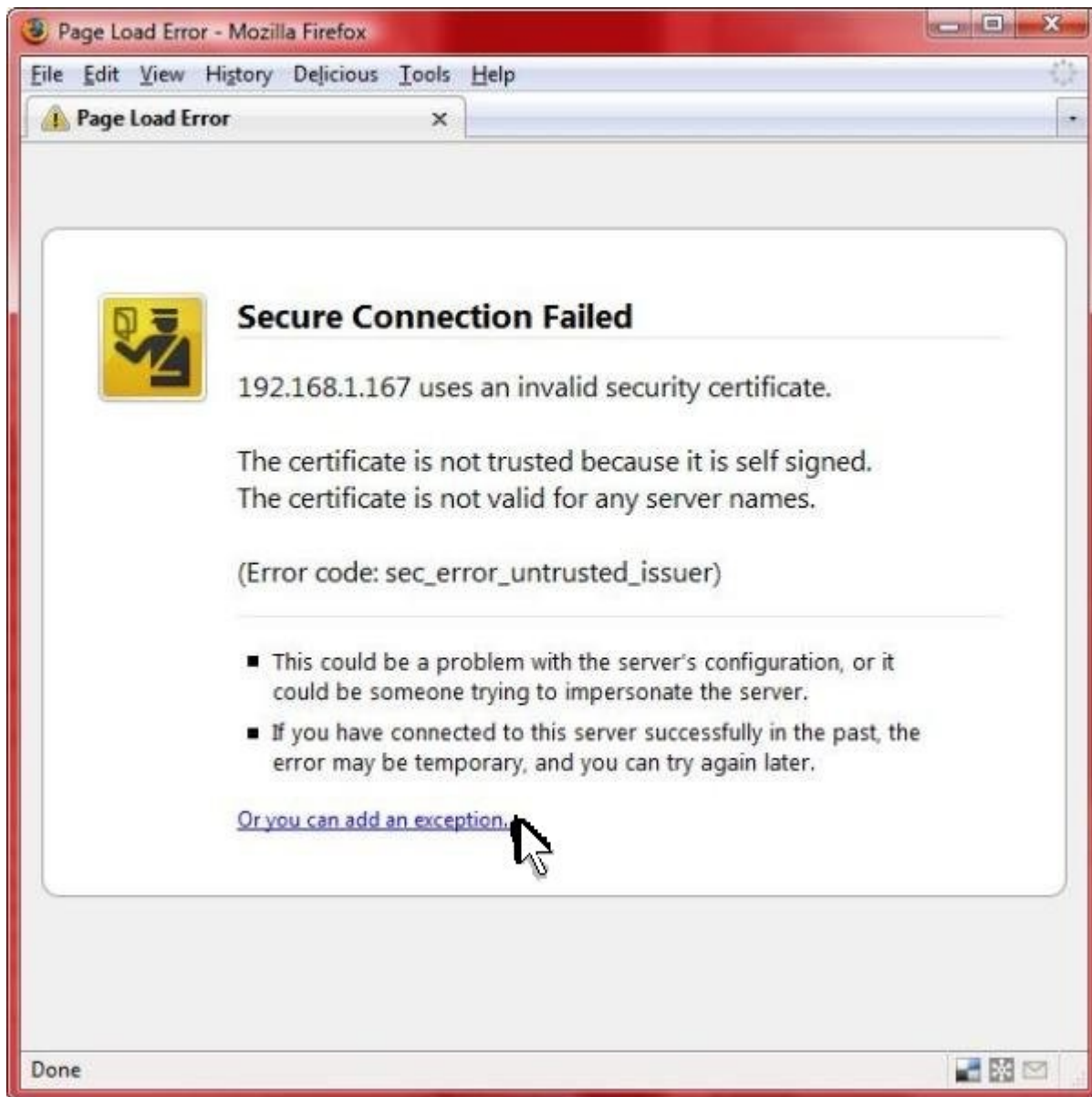
Appendix

A. Configuring client web browser for https

[Main TOC Link](#)

1. For security, this appliance forces users to use https (encrypted) over a web browser. Because we are using a homemade security certificate (real certificates cost money), most new web browsers will give a security error. This can easily be dealt with by following the browser instructions to create an exception. I have posted steps for both [Firefox](#) and [Internet Explorer](#).

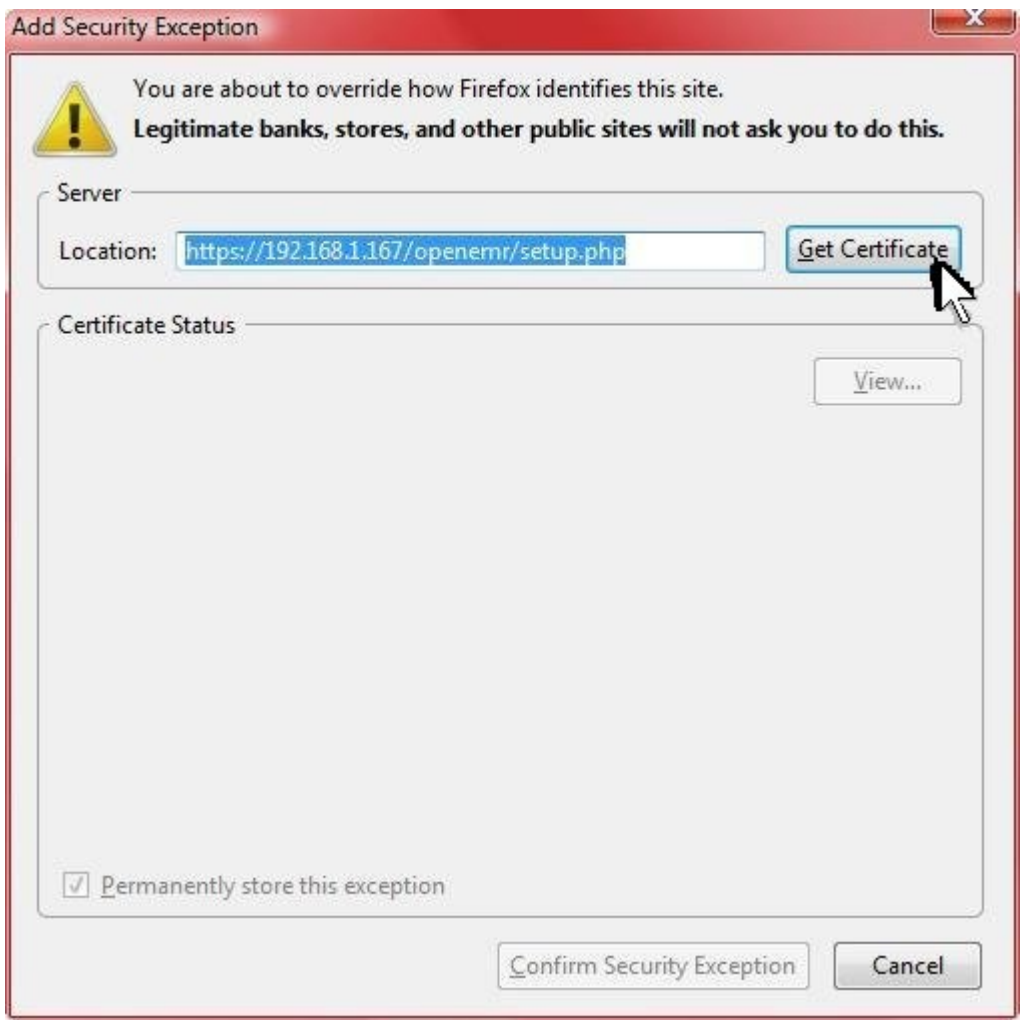
2. Firefox:



Click 'Or you can add an exception...!'.



Click the 'Add Exception...' button.



Click the 'Get Certificate' button. (DO NOT edit the 'Location:')



Click 'Confirm Security Exception'. Ensure 'Permanently store this exception' is checked, so you don't have to go through this every time. Also, DO NOT change 'Location:'.

ALL DONE, go back and continue your previous instructions.

3. Internet Explorer:



Click 'Continue to this website'.

ALL DONE, go back and continue your previous instructions.

B. Author Email and License/Disclaimer

[Main TOC Link](#)

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Email: brady@sparmy.com

www.bradynd.com

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Also add information on how to contact you by electronic and paper mail.

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```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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