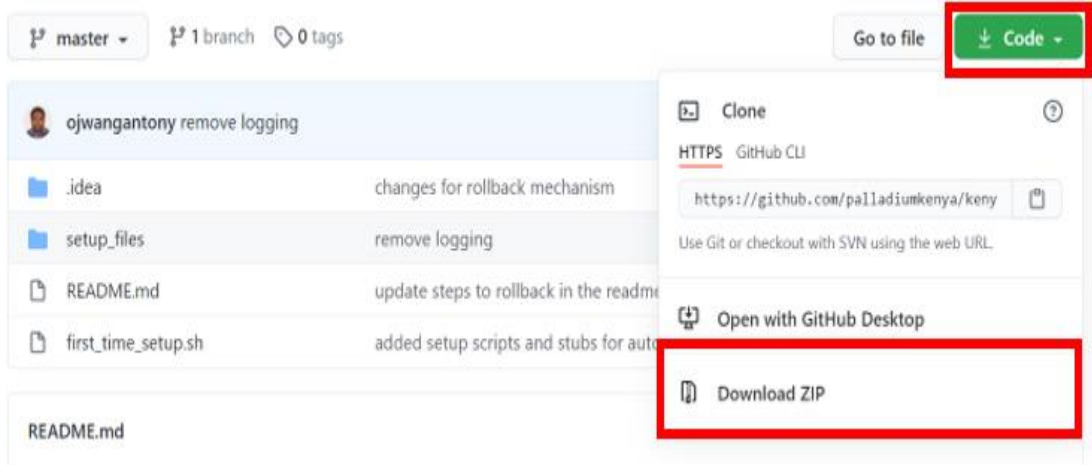


KenyaEMR Auto Update SOP (ver 1.0)

Tasks:	Conduct KenyaEMR upgrade using the Auto Upgrade Launcher
Objective:	To allow automated upgrade of KenyaEMR
Who:	Anyone upgrading KenyaEMR
Required Materials:	Functional EMR, Internet Connectivity (to download latest package)

Summary:

With the KenyaEMR Upgrade Launcher anyone upgrading KenyaEMR is guided through the upgrade process hence the hassle of using commands is eliminated. Also, Users can tell if they are using the current EMR upgrade or not through the Admin app

Action	Screenshot
<p>First time setup</p> <p>Step 1: Download the repository files as a zip Get the KenyaEMR-Auto Update Zip file here https://github.com/palladiumkenya/kenyaemr-autoupdate</p> <p>Step 2: Click on Code and select Download Zip.</p>	

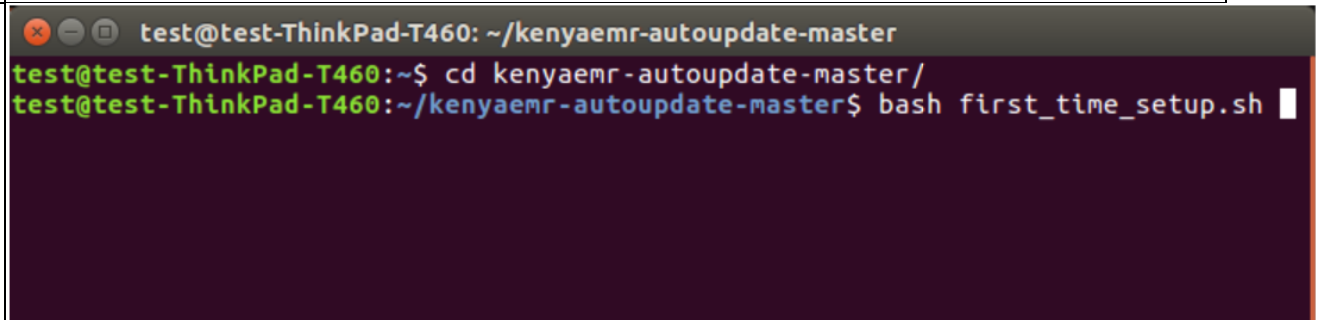
Step 3: Extract the content of the downloaded **Kenyaemr-autoupdate-master package** to the home directory, or any other preferred location.



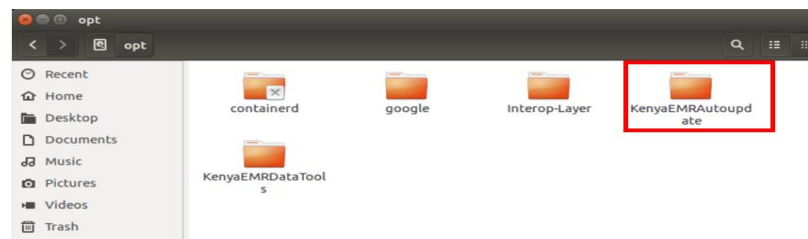
Step 4: Access the terminal and run the `first_time_setup.sh` script in the extracted directory using `bash first_time_setup.sh`

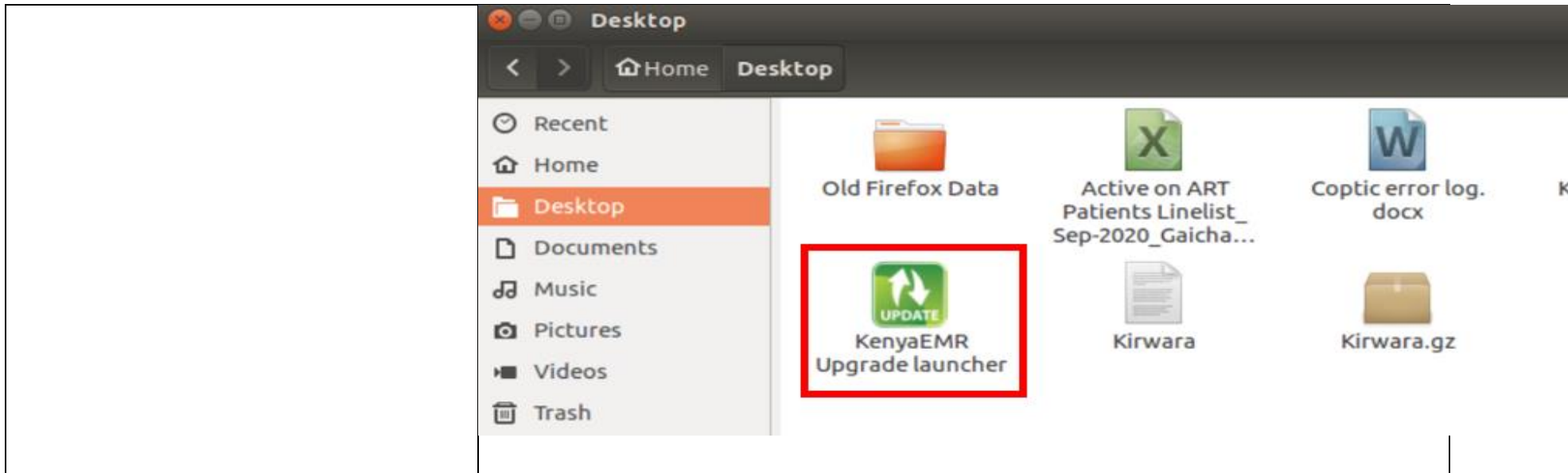
`cd kenyaemr-autoupdate-master/` and click **enter**

Type `bash first_time_setup.sh` then click **enter** (Refer to the screenshot)



NB: The above step will create **KenyaEMR Auto update directory in the opt folder** and copies all supporting files to the created directory. It also creates a **KenyaEMR upgrade launcher** on the desktop

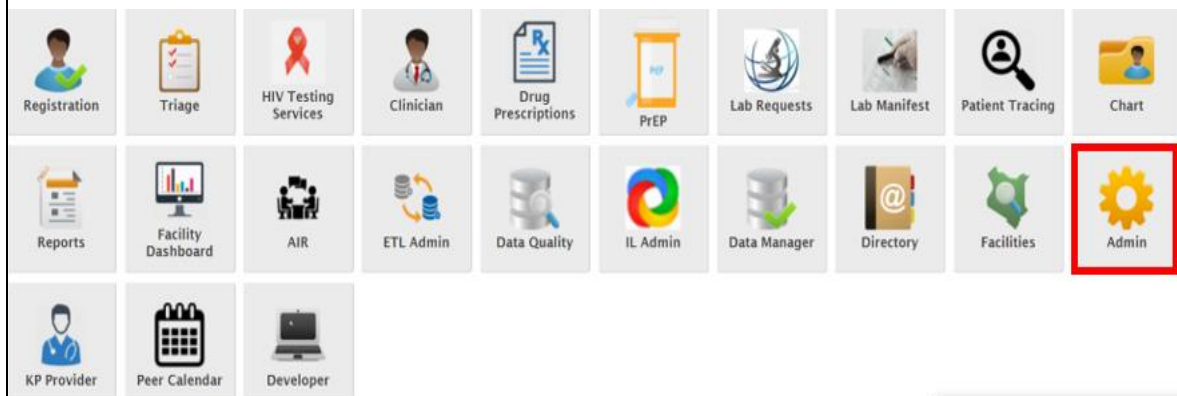




Usage of the created KenyaEMR Upgrade Launcher

When a new release is updated in github, an admin user in the EMR is notified and a downloadable package (zipped) is provided.

Step 1: On the homepage, click on **Admin** app then click on **check for updates**



The details on whether there's an update is provided as shown on the screenshot

The screenshot shows the 'Admin' section of the application. Under the 'Tasks' heading, there are four menu items: 'Manage accounts', 'Manage report queue', 'Redo first-time setup', and 'Check for updates'. The 'Check for updates' item is highlighted with a red rectangular border.

The screenshot shows the KenyaEMR interface for Thika Level 5 Hospital. The user is logged in as MARIETA MARIETA MARIETA. The 'Updates' section is active, and an 'Update Available' notification is displayed. The notification is highlighted with a red border and contains the following information:

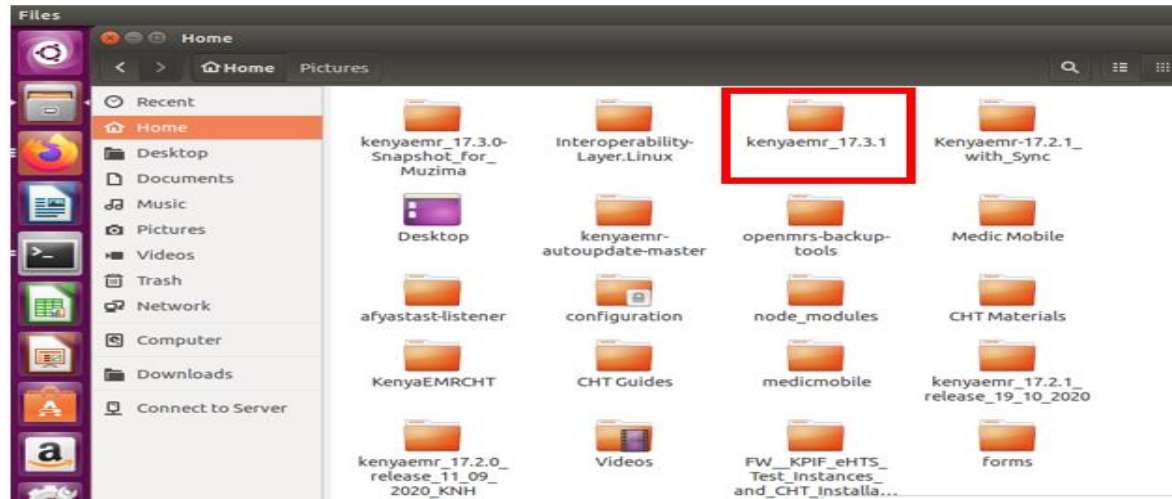
Version	Release Date	Release Notes	Action
17.3.1	07-12-2020	This release introduces KenyaEMR v17.3.1 NB: This is not an official release but a KenyaEMR Auto-update test release.	Download

Where an update is available, the download package is available to the user as shown on the screenshot.

Step 2: Click on **download**, to download the upgrade package

This screenshot is identical to the one above, showing the 'Update Available' notification. In this version, the 'Download' button is highlighted with a red rectangular border.

Step 3: After downloading the zipped upgrade package, extract it on home folder or any other location.



Step 4: Double click on the extracted upgrade package then copy and paste its content to the /opt/KenyaEMRAutoupdate/.

To Copy – press **Ctrl+A** to select all then **Ctrl+C** or **right click** and select **copy**

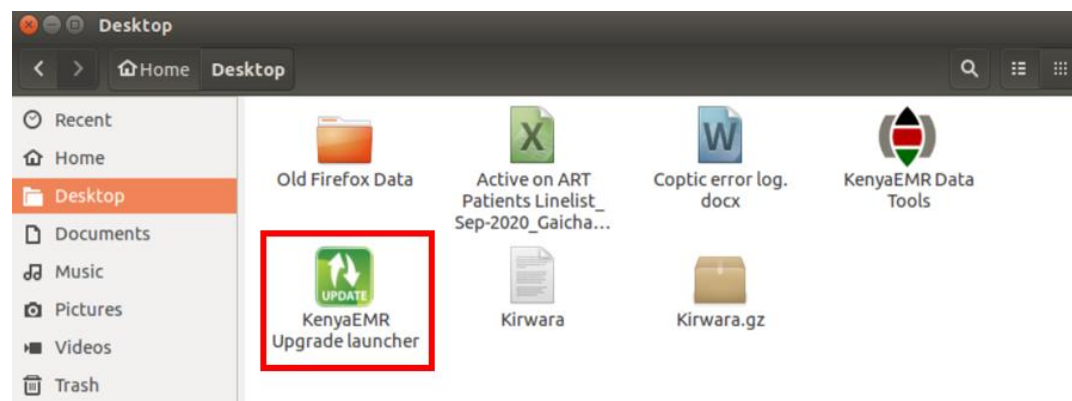
To paste - **Ctrl+V** or **right click** then select **Paste**



To access the **/opt/KenyaEMRAutoupdate/** folder; click on home folder – computer – Double click on Opt folder and inside it you will find the KenyaEMR Autoupdate folder



Step 5: To initiate the Upgrade process, double-click the KenyaEMR upgrade launcher located at the desktop



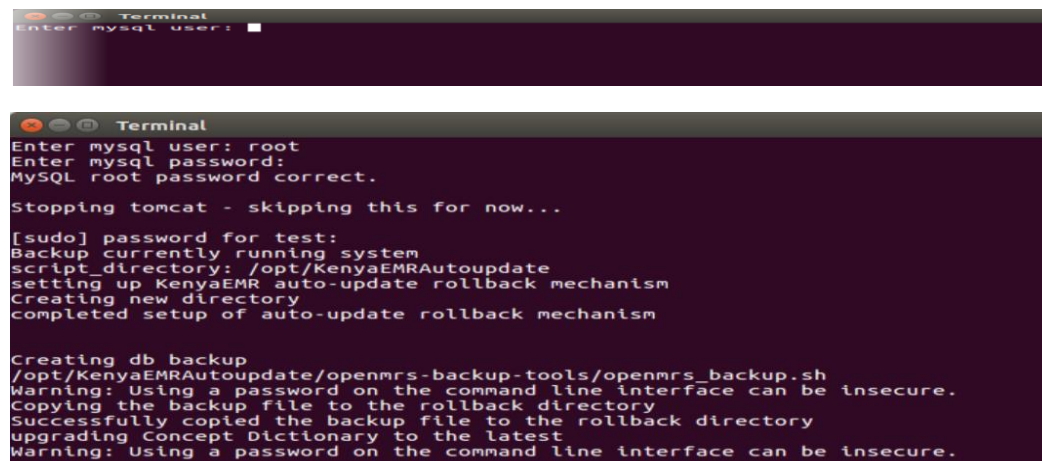
Step 6: The launcher opens a terminal window where the user is guided through the upgrade process.

Input the correct **mysql user** then click **enter**

Input the correct **mysql password** then click **enter**

Input the **server password** and then click **enter**

After entering the three correctly, the

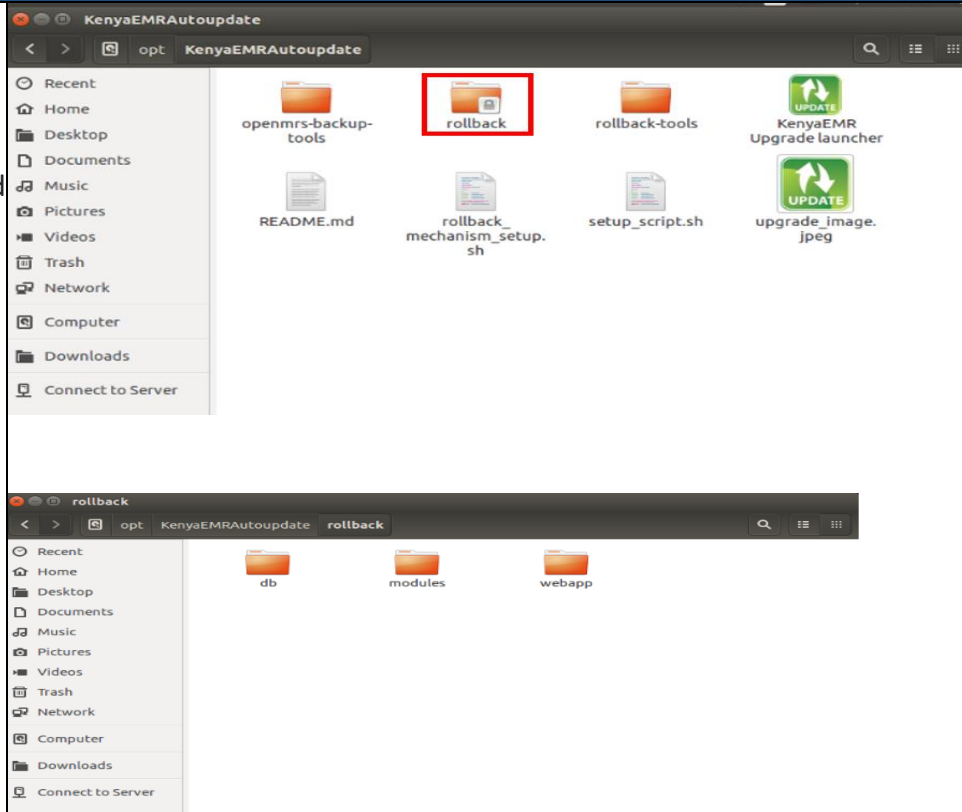


upgrade script will run, and database backup will be created

Rollback Process (Where necessary)

In the event a rollback is required after an upgrade process,

All rollback materials created during the step above are saved in the rollback folder located in /opt/KenyaEMRAutoupdate/ folder



To revert to previous version

Step 1: Navigate to the /opt/KenyaEMRAutoupdate/rollback-tools directory on a terminal using the command

cd /opt/KenyaEMRAutoupdate/rollback-tools then click **enter**

Step 2: Execute/run the setup using the command **sh setup_script.sh**. then click **enter**

Step 3: Input the mysql user and password when prompted and the rollback process will be initiated, and system restored back to the previous version

```
test@test-ThinkPad-T460: /opt/KenyaEMRAutoupdate/rollback-tools
test@test-ThinkPad-T460:~$ cd /opt/KenyaEMRAutoupdate/rollback-tools/
test@test-ThinkPad-T460:/opt/KenyaEMRAutoupdate/rollback-tools$ sh setup_script.
sh
script_directory: /opt/KenyaEMRAutoupdate/rollback-tools
Enter mysql user: root
Enter mysql password:
MySQL root password correct.

[sudo] password for test:
Restore the rollback database
Warning: Using a password on the command line interface can be insecure.
```

The end