**HQSync Setup Instructions**

1. Download code from: \_\_\_\_\_\_

2. Unzip code into an executable directory

3. Create the 'hqsync' database in mysql

4. Run the hqsync\_init.sql script in the newly created **hqsync** database

5. Update hqsync.hqsync to sync the desired reports (see <https://wiki.commcarehq.org/display/commcarepublic/Export+API> for documentation)

6. Create databases for each domain (e.g. pathfinder) - this is where the data for each domain will be stored; tables are created automatically

7. Update sync.php to use

**How to upgrade the sync.php:**

1) Backup existing data (use your'e own username, you will be prompted for password). From the command line, enter:

           mysql -u <username> -p pathfinder > pathfinder\_backup.sql

           mysql -u <username> -p hqsync > hqsync\_backup.sql

2) Drop all pathfinder tables that were created by hqsync - these should all be in the pathfinder database; you can see the list of tables to drop in hqsync.hqsync\_table. The sql command is:

           drop table `table\_name\_goes\_here`;

3) Purge the hqsync\_table and hqsync\_log tables

           truncate hqsync.hqsync\_table

           truncate hqsync.hqsync\_log

4) Replace sync.php with new version

           - Browse to location of the sync.php scripts (I think this is under the root user's home directory)

           - Rename existing sync.php (mv sync.php sync.php.backup)

           - Copy in the attached updated sync script

5) Execute the script (note that this might take 30+ min to finish since it is downloading all of the data)

           ./sync.sh

6) Confirm that it works - check the logs to confirm that the import was successful

           select \* from hqsync.hqsync\_log;

**How to add a domain to hqsync:**

1. Add your sync user to the domain inside CommCare HQ (take a look at the hqsync table to see which username I was using).

2. Go to the Reports -> Export Submissions to Excel section of HQ for the domain you would like to add.

3. Create a database in Mysql named after the domain to store the synced data

4. Add a record to the hqsync table for each form you want to sync. Records should follow this format:

a. **domain** - should match the domain name in HQ exactly

b. **dbname** - should match the database name that you created in step #3 exactly

c. **url** - should follow the format below (let's wait for Cory's response to finalize):

<https://www.commcarehq.org/a/pih-cholera/reports/export/?export_tag=%22http://openrosa.org/formdesigner/1679BE38-C8DD-4564-B34D-F706E43B0807%22&filename=Done%20Kolera&format=csv>

d. **form\_name** - should match the name of the form in HQ exactly

e. **uid** - this is the username used to login to HQ (NOTE: Don't use your personal account. Its better to use a separate sync account, such as the one I created to sync Pathfinder)

f. **pwd** - this is the password used to login to HQ

g. **active** - 0 to inactivate; 1 to activate

h. **use\_token** - this should be 1 for tables that store data sequentially and you don't want to download the entire dataset each time. basically, set this to 1 for all forms; set it to 0 for the user/referrals/case export

i. **purge\_before\_import** - this empties the table out before every import; generally only set this to 1 for the user/referrals/case export

Finally, you shouldn't need to access Dimagi's test/staging servers when adding new domains. Just go straight to production. I only did that previously so that we wouldn't stop any of the scripts that were running off the pathfinder data.