**Protocol applies to:**

Development Instance: <https://rcapdev.ouhsc.edu>

BBMC Instance: <https://bbmc.ouhsc.edu/>

**Upgrade file location:** <https://iwg.devguard.com/trac/redcap/wiki/RedcapDownloadArea>

**Frequency of upgrade:** Monthly

**Timing of upgrade:** Friday evening at 9:00

**Backups:**

Request VM snapshots on Monday before upgrade

Verify snapshot request on Thursday before upgrade

**Upgrade Version:**

Use the “Standard Release” upgrade version of REDCap that is two releases prior to the most current release.

**Running the upgrade:**

Before Starting Upgrade:

* Notify users that REDCap will be unavailable
* Take REDCap offline using the REDCap control panel

PHP Tasks:

* New PHP code replaces the old PHP code in the web server’s REDCap directory
* Navigate to the REDCap web site. It should automatically recognize that you’re in the upgrade module and provide SQL code that will modify/update the database schema.
* For more details see the following instructions within download zip file.

SQL Tasks:

* During the upgrade, copy and paste the sql update code into a text document to be archived. It will be saved at the following location on the file server:
* S:\CCAN\CCANResEval\MIECHV\RedCap\UpgradeDocumentationArchive
* Run sql from the MySQL workbench NOT from phpMyAdmin.
* All database messages are saved in a second text document, regardless if errors are present. It will be saved at the following location on the file server:
* S:\CCAN\CCANResEval\MIECHV\RedCap\UpgradeDocumentationArchive
* If any SQL errors occur, record error message, stop upgrade, and request the VM snapshot be reverted to the saved version.
* After successful completion of the upgrade process, go through the upgrade test scripts for REDCap.

**Testing:**

* If there are testing errors detected with REDCap during the testing scripts, request the VM snapshot be reverted to the saved version.
* If NO testing errors are detected:
  + Put REDCap back online using the REDCap control panel
  + Notify users that REDCap is available for use through the REDCap control panel.

# Checklist

**Instance**

X\_\_\_\_\_\_\_\_\_ Development: <https://rcapdev.ouhsc.edu>

\_\_\_\_\_\_\_\_\_\_ BBMC: <https://bbmc.ouhsc.edu/>

**REDCap Upgrade Version:**

6.0.2\_\_\_\_\_ <https://iwg.devguard.com/trac/redcap/wiki/RedcapDownloadArea>

**REDCap Upgrade Script**

20140915\_\_ Date of Upgrade

07:00\_\_\_\_\_ Upgrade Start Time

07:36\_\_\_\_\_ Upgrade End Time

20140909\_\_ Date that the BBMC requested the VM Snapshot was scheduled

20140912\_\_ Date that the BBMC verified the VM Snapshot was scheduled

\_\_\_\_\_\_\_\_\_\_ **PHP Version**

5.5\_\_\_\_\_\_\_ **MySQL Version**

**REDCap SQL Upgrade Code (copy the code and paste below):**

-- --- SQL to upgrade REDCap to version 6.0.2 from 5.11.3 --- --

USE ou\_rcap\_dev;

-- SQL for Version 5.11.4 (via SQL) --

-- Modify tables for upcoming reports functionality

SET FOREIGN\_KEY\_CHECKS=0;

DROP TABLE IF EXISTS redcap\_reports;

CREATE TABLE redcap\_reports (

report\_id int(10) NOT NULL AUTO\_INCREMENT,

project\_id int(10) NOT NULL,

title text COLLATE utf8\_unicode\_ci,

report\_order int(3) NOT NULL DEFAULT '1',

user\_access enum('ALL','SELECTED') COLLATE utf8\_unicode\_ci NOT NULL DEFAULT 'ALL',

orderby\_field1 varchar(100) COLLATE utf8\_unicode\_ci DEFAULT NULL,

orderby\_sort1 enum('ASC','DESC') COLLATE utf8\_unicode\_ci DEFAULT NULL,

orderby\_field2 varchar(100) COLLATE utf8\_unicode\_ci DEFAULT NULL,

orderby\_sort2 enum('ASC','DESC') COLLATE utf8\_unicode\_ci DEFAULT NULL,

preset\_export\_format varchar(10) COLLATE utf8\_unicode\_ci DEFAULT NULL,

preset\_archive\_files int(1) NOT NULL DEFAULT '0',

preset\_export\_dags int(1) NOT NULL DEFAULT '0',

preset\_export\_survey\_fields int(1) NOT NULL DEFAULT '0',

preset\_remove\_identifiers int(1) NOT NULL DEFAULT '0',

preset\_hash\_recordid int(1) NOT NULL DEFAULT '0',

preset\_remove\_unval\_text\_fields int(1) NOT NULL DEFAULT '0',

preset\_remove\_notes\_fields int(1) NOT NULL DEFAULT '0',

preset\_remove\_date\_fields int(1) NOT NULL DEFAULT '0',

preset\_shift\_dates int(1) NOT NULL DEFAULT '0',

preset\_shift\_survey\_timestamps int(1) NOT NULL DEFAULT '0',

PRIMARY KEY (report\_id),

UNIQUE KEY project\_report\_order (project\_id,report\_order),

KEY project\_id (project\_id)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci;

-- --------------------------------------------------------

--

-- Table structure for table 'redcap\_reports\_access\_dags'

--

DROP TABLE IF EXISTS redcap\_reports\_access\_dags;

CREATE TABLE redcap\_reports\_access\_dags (

report\_id int(10) NOT NULL AUTO\_INCREMENT,

group\_id int(10) NOT NULL DEFAULT '0',

PRIMARY KEY (report\_id,group\_id),

KEY group\_id (group\_id)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci;

-- --------------------------------------------------------

--

-- Table structure for table 'redcap\_reports\_access\_roles'

--

DROP TABLE IF EXISTS redcap\_reports\_access\_roles;

CREATE TABLE redcap\_reports\_access\_roles (

report\_id int(10) NOT NULL DEFAULT '0',

role\_id int(10) NOT NULL DEFAULT '0',

PRIMARY KEY (report\_id,role\_id),

KEY role\_id (role\_id)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci;

-- --------------------------------------------------------

--

-- Table structure for table 'redcap\_reports\_access\_users'

--

DROP TABLE IF EXISTS redcap\_reports\_access\_users;

CREATE TABLE redcap\_reports\_access\_users (

report\_id int(10) NOT NULL AUTO\_INCREMENT,

username varchar(255) COLLATE utf8\_unicode\_ci NOT NULL DEFAULT '',

PRIMARY KEY (report\_id,username),

KEY username (username)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci;

-- --------------------------------------------------------

--

-- Table structure for table 'redcap\_reports\_fields'

--

DROP TABLE IF EXISTS redcap\_reports\_fields;

CREATE TABLE redcap\_reports\_fields (

rf\_id int(10) NOT NULL AUTO\_INCREMENT,

report\_id int(10) DEFAULT NULL,

field\_name varchar(100) COLLATE utf8\_unicode\_ci DEFAULT NULL,

field\_order int(3) DEFAULT NULL,

limiter\_event\_id int(10) DEFAULT NULL,

limiter\_operator enum('E','NE','GT','GTE','LT','LTE','CONTAINS','CHECKED','UNCHECKED') COLLATE utf8\_unicode\_ci DEFAULT NULL,

limiter\_value varchar(255) COLLATE utf8\_unicode\_ci DEFAULT NULL,

PRIMARY KEY (rf\_id),

UNIQUE KEY report\_id\_field\_name\_order (report\_id,field\_name,field\_order),

KEY field\_name (field\_name),

KEY limiter\_event\_id (limiter\_event\_id),

KEY report\_id\_field\_order (report\_id,field\_order)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci;

-- --------------------------------------------------------

--

-- Table structure for table 'redcap\_reports\_filter\_dags'

--

DROP TABLE IF EXISTS redcap\_reports\_filter\_dags;

CREATE TABLE redcap\_reports\_filter\_dags (

report\_id int(10) NOT NULL AUTO\_INCREMENT,

group\_id int(10) NOT NULL DEFAULT '0',

PRIMARY KEY (report\_id,group\_id),

KEY group\_id (group\_id)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci;

-- --------------------------------------------------------

--

-- Table structure for table 'redcap\_reports\_filter\_events'

--

DROP TABLE IF EXISTS redcap\_reports\_filter\_events;

CREATE TABLE redcap\_reports\_filter\_events (

report\_id int(10) NOT NULL AUTO\_INCREMENT,

event\_id int(10) NOT NULL DEFAULT '0',

PRIMARY KEY (report\_id,event\_id),

KEY event\_id (event\_id)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci;

-- --------------------------------------------------------

--

-- Table structure for table 'redcap\_reports\_filter\_records'

--

DROP TABLE IF EXISTS redcap\_reports\_filter\_records;

CREATE TABLE redcap\_reports\_filter\_records (

report\_id int(10) NOT NULL AUTO\_INCREMENT,

record varchar(100) COLLATE utf8\_unicode\_ci DEFAULT NULL,

UNIQUE KEY report\_record (report\_id,record)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci;

--

-- Constraints for dumped tables

--

--

-- Constraints for table `redcap\_reports`

--

ALTER TABLE `redcap\_reports`

ADD CONSTRAINT redcap\_reports\_ibfk\_1 FOREIGN KEY (project\_id) REFERENCES redcap\_projects (project\_id) ON DELETE CASCADE ON UPDATE CASCADE;

--

-- Constraints for table `redcap\_reports\_access\_dags`

--

ALTER TABLE `redcap\_reports\_access\_dags`

ADD CONSTRAINT redcap\_reports\_access\_dags\_ibfk\_1 FOREIGN KEY (group\_id) REFERENCES redcap\_data\_access\_groups (group\_id) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT redcap\_reports\_access\_dags\_ibfk\_2 FOREIGN KEY (report\_id) REFERENCES redcap\_reports (report\_id) ON DELETE CASCADE ON UPDATE CASCADE;

--

-- Constraints for table `redcap\_reports\_access\_roles`

--

ALTER TABLE `redcap\_reports\_access\_roles`

ADD CONSTRAINT redcap\_reports\_access\_roles\_ibfk\_1 FOREIGN KEY (report\_id) REFERENCES redcap\_reports (report\_id) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT redcap\_reports\_access\_roles\_ibfk\_2 FOREIGN KEY (role\_id) REFERENCES redcap\_user\_roles (role\_id) ON DELETE CASCADE ON UPDATE CASCADE;

--

-- Constraints for table `redcap\_reports\_access\_users`

--

ALTER TABLE `redcap\_reports\_access\_users`

ADD CONSTRAINT redcap\_reports\_access\_users\_ibfk\_1 FOREIGN KEY (report\_id) REFERENCES redcap\_reports (report\_id) ON DELETE CASCADE ON UPDATE CASCADE;

--

-- Constraints for table `redcap\_reports\_fields`

--

ALTER TABLE `redcap\_reports\_fields`

ADD CONSTRAINT redcap\_reports\_fields\_ibfk\_1 FOREIGN KEY (limiter\_event\_id) REFERENCES redcap\_events\_metadata (event\_id) ON DELETE SET NULL ON UPDATE CASCADE,

ADD CONSTRAINT redcap\_reports\_fields\_ibfk\_2 FOREIGN KEY (report\_id) REFERENCES redcap\_reports (report\_id) ON DELETE CASCADE ON UPDATE CASCADE;

--

-- Constraints for table `redcap\_reports\_filter\_dags`

--

ALTER TABLE `redcap\_reports\_filter\_dags`

ADD CONSTRAINT redcap\_reports\_filter\_dags\_ibfk\_1 FOREIGN KEY (report\_id) REFERENCES redcap\_reports (report\_id) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT redcap\_reports\_filter\_dags\_ibfk\_2 FOREIGN KEY (group\_id) REFERENCES redcap\_data\_access\_groups (group\_id) ON DELETE CASCADE ON UPDATE CASCADE;

--

-- Constraints for table `redcap\_reports\_filter\_events`

--

ALTER TABLE `redcap\_reports\_filter\_events`

ADD CONSTRAINT redcap\_reports\_filter\_events\_ibfk\_1 FOREIGN KEY (event\_id) REFERENCES redcap\_events\_metadata (event\_id) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT redcap\_reports\_filter\_events\_ibfk\_2 FOREIGN KEY (report\_id) REFERENCES redcap\_reports (report\_id) ON DELETE CASCADE ON UPDATE CASCADE;

--

-- Constraints for table `redcap\_reports\_filter\_records`

--

ALTER TABLE `redcap\_reports\_filter\_records`

ADD CONSTRAINT redcap\_reports\_filter\_records\_ibfk\_1 FOREIGN KEY (report\_id) REFERENCES redcap\_reports (report\_id) ON DELETE CASCADE ON UPDATE CASCADE;

SET FOREIGN\_KEY\_CHECKS=1;

ALTER TABLE `redcap\_reports\_fields` ADD `limiter\_group\_operator` ENUM( 'AND', 'OR' ) NULL DEFAULT NULL AFTER `field\_order`;

ALTER TABLE `redcap\_reports\_fields` DROP `rf\_id`;

ALTER TABLE `redcap\_reports` CHANGE `report\_order` `report\_order` INT( 3 ) NULL DEFAULT NULL;

-- SQL for Version 5.12.0 (via SQL) --

-- Set CATs server URL

UPDATE `redcap\_config` SET `value` = 'https://www.redcap-cats.org/promis\_api/' WHERE `field\_name` = 'promis\_api\_base\_url';

-- Modify tables for upcoming reports functionality

ALTER TABLE `redcap\_reports`

DROP `preset\_export\_format`,

DROP `preset\_archive\_files`,

DROP `preset\_export\_dags`,

DROP `preset\_export\_survey\_fields`,

DROP `preset\_remove\_identifiers`,

DROP `preset\_hash\_recordid`,

DROP `preset\_remove\_unval\_text\_fields`,

DROP `preset\_remove\_notes\_fields`,

DROP `preset\_remove\_date\_fields`,

DROP `preset\_shift\_dates`,

DROP `preset\_shift\_survey\_timestamps`;

ALTER TABLE `redcap\_reports\_fields` CHANGE `limiter\_operator` `limiter\_operator`

ENUM( 'E', 'NE', 'GT', 'GTE', 'LT', 'LTE', 'CHECKED', 'UNCHECKED', 'CONTAINS', 'NOT\_CONTAIN', 'STARTS\_WITH', 'ENDS\_WITH' )

CHARACTER SET utf8 COLLATE utf8\_unicode\_ci NULL DEFAULT NULL;

ALTER TABLE `redcap\_reports` ADD `orderby\_field3` VARCHAR( 100 ) NULL DEFAULT NULL ,

ADD `orderby\_sort3` ENUM( 'ASC', 'DESC' ) NULL DEFAULT NULL;

ALTER TABLE `redcap\_reports` ADD `output\_dags` INT( 1 ) NOT NULL AFTER `user\_access` ,

ADD `output\_survey\_fields` INT( 1 ) NOT NULL AFTER `output\_dags`;

-- Disable the rApache plot service, if enabled

update redcap\_config set value = '2' where field\_name = 'enable\_plotting' and value != '0';

-- SQL for Version 5.12.1 (via SQL) --

-- Fix leftover issues from previously fixed bug

update redcap\_user\_rights u, redcap\_user\_roles r set u.role\_id = null WHERE r.role\_id = u.role\_id AND u.project\_id != r.project\_id;

-- SQL for Version 5.12.2 (via PHP) --

-- Modify redcap\_docs table

ALTER TABLE `redcap\_docs`

CHANGE `docs\_name` `docs\_name` VARCHAR( 255 ) CHARACTER SET utf8 COLLATE utf8\_unicode\_ci NULL DEFAULT NULL,

DROP INDEX `docs\_name` ,

ADD INDEX `docs\_name` ( `docs\_name` ),

ADD `temp` INT( 1 ) NOT NULL DEFAULT '0' COMMENT 'Is file only a temp file?',

DROP INDEX `project\_id\_export\_file`,

ADD INDEX `project\_id\_export\_file\_temp` (`project\_id`, `export\_file`, `temp`),

DROP FOREIGN KEY `redcap\_docs\_ibfk\_2`,

DROP `edoc\_id`;

-- Add new field to redcap\_edocs\_metadata table

ALTER TABLE `redcap\_edocs\_metadata` ADD `gzipped` INT( 1 ) NOT NULL DEFAULT '0' COMMENT 'Is file gzip compressed?' AFTER `file\_extension`;

-- Add column to reports table

ALTER TABLE `redcap\_reports` ADD `advanced\_logic` TEXT NULL DEFAULT NULL;

-- Remove unnecessary reports table

delete from redcap\_reports\_filter\_records;

drop table if exists redcap\_reports\_filter\_records;

-- Fix reports table

ALTER TABLE `redcap\_reports` CHANGE `output\_dags` `output\_dags` INT( 1 ) NOT NULL DEFAULT '0',

CHANGE `output\_survey\_fields` `output\_survey\_fields` INT( 1 ) NOT NULL DEFAULT '0';

-- SQL for Version 6.0.0 (via PHP) --

-- Clear out reports table (just in case)

DELETE FROM redcap\_reports;

ALTER TABLE redcap\_reports AUTO\_INCREMENT = 1;

-- PID12 (1 reports)

-- ID1 (1/1)

insert into redcap\_reports (project\_id,title,report\_order,orderby\_field1,orderby\_sort1, orderby\_field2,orderby\_sort2,user\_access) values (12,'test',1,NULL,NULL,NULL,NULL,'SELECTED');

set @r=LAST\_INSERT\_ID();

insert into redcap\_reports\_access\_users select @r,u.username from redcap\_user\_rights u left join redcap\_user\_roles r on r.role\_id=u.role\_id where u.project\_id=12 and ((u.reports=1 and r.reports is null) or r.reports=1);

insert into redcap\_reports\_fields (report\_id,field\_name,field\_order) values (@r,'studyid',1),(@r,'social\_security',2);

insert into redcap\_reports\_fields (report\_id,field\_name,field\_order,limiter\_group\_operator,limiter\_operator,limiter\_value) values (@r,'studyid',3,'AND','E','asdf');

-- PID23 (1 reports)

-- ID2 (1/1)

insert into redcap\_reports (project\_id,title,report\_order,orderby\_field1,orderby\_sort1, orderby\_field2,orderby\_sort2,user\_access) values (23,'Test Report',1,NULL,NULL,NULL,NULL,'SELECTED');

set @r=LAST\_INSERT\_ID();

insert into redcap\_reports\_access\_users select @r,u.username from redcap\_user\_rights u left join redcap\_user\_roles r on r.role\_id=u.role\_id where u.project\_id=23 and ((u.reports=1 and r.reports is null) or r.reports=1);

insert into redcap\_reports\_fields (report\_id,field\_name,field\_order) values (@r,'participant\_id',1);

insert into redcap\_reports\_fields (report\_id,field\_name,field\_order,limiter\_group\_operator,limiter\_operator,limiter\_value) values (@r,'participant\_id',2,'AND','E','1');

-- PID29 (1 reports)

-- ID3 (1/1)

insert into redcap\_reports (project\_id,title,report\_order,orderby\_field1,orderby\_sort1, orderby\_field2,orderby\_sort2,user\_access) values (29,'Summary',1,'date','DESC',NULL,NULL,'SELECTED');

set @r=LAST\_INSERT\_ID();

insert into redcap\_reports\_access\_users select @r,u.username from redcap\_user\_rights u left join redcap\_user\_roles r on r.role\_id=u.role\_id where u.project\_id=29 and ((u.reports=1 and r.reports is null) or r.reports=1);

insert into redcap\_reports\_fields (report\_id,field\_name,field\_order) values (@r,'record\_id',1),(@r,'date',2),(@r,'status',3),(@r,'my\_first\_instrument\_complete',4);

-- Add new config options

INSERT INTO redcap\_config (field\_name, value) VALUES ('from\_email', '');

INSERT INTO redcap\_config (field\_name, value) VALUES ('field\_comment\_log\_enabled\_default', '1');

-- SQL for Version 6.0.1 (via SQL) --

-- Add new fields for Survey Login functionality

ALTER TABLE `redcap\_projects`

ADD `survey\_auth\_field1` VARCHAR( 100 ) NULL DEFAULT NULL ,

ADD `survey\_auth\_event\_id1` INT( 10 ) NULL DEFAULT NULL ,

ADD `survey\_auth\_field2` VARCHAR( 100 ) NULL DEFAULT NULL ,

ADD `survey\_auth\_event\_id2` INT( 10 ) NULL DEFAULT NULL ,

ADD `survey\_auth\_field3` VARCHAR( 100 ) NULL DEFAULT NULL ,

ADD `survey\_auth\_event\_id3` INT( 10 ) NULL DEFAULT NULL ,

ADD `survey\_auth\_min\_fields` ENUM( '1', '2', '3' ) NULL,

ADD `survey\_auth\_apply\_all\_surveys` INT( 1 ) NOT NULL DEFAULT '1',

ADD `survey\_auth\_custom\_message` TEXT NULL DEFAULT NULL,

ADD `survey\_auth\_fail\_limit` INT( 2 ) NULL DEFAULT NULL ,

ADD `survey\_auth\_fail\_window` INT( 3 ) NULL DEFAULT NULL,

ADD INDEX ( `survey\_auth\_event\_id1` ),

ADD INDEX ( `survey\_auth\_event\_id2` ),

ADD INDEX ( `survey\_auth\_event\_id3` ),

ADD FOREIGN KEY ( `survey\_auth\_event\_id1` ) REFERENCES `redcap\_events\_metadata` (`event\_id`) ON DELETE SET NULL ON UPDATE CASCADE,

ADD FOREIGN KEY ( `survey\_auth\_event\_id2` ) REFERENCES `redcap\_events\_metadata` (`event\_id`) ON DELETE SET NULL ON UPDATE CASCADE,

ADD FOREIGN KEY ( `survey\_auth\_event\_id3` ) REFERENCES `redcap\_events\_metadata` (`event\_id`) ON DELETE SET NULL ON UPDATE CASCADE;

ALTER TABLE `redcap\_surveys`

ADD `display\_page\_number` INT( 1 ) NOT NULL DEFAULT '1' AFTER `question\_by\_section`,

ADD `edit\_completed\_response` INT( 1 ) NOT NULL DEFAULT '0' COMMENT 'Allow respondents to return and edit a completed response?';

-- SQL for Version 6.0.2 (via SQL) --

-- Add new table for Survey Login functionality

CREATE TABLE `redcap\_surveys\_login` (

`ts` datetime DEFAULT NULL,

`response\_id` int(10) DEFAULT NULL,

`login\_success` tinyint(1) NOT NULL DEFAULT '1',

KEY `response\_id` (`response\_id`),

KEY `ts\_response\_id\_success` (`ts`,`response\_id`,`login\_success`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci;

ALTER TABLE `redcap\_surveys\_login`

ADD FOREIGN KEY (`response\_id`) REFERENCES `redcap\_surveys\_response` (`response\_id`) ON DELETE CASCADE ON UPDATE CASCADE;

ALTER TABLE `redcap\_projects` ADD `survey\_auth\_enabled` INT( 1 ) NOT NULL DEFAULT '0' AFTER `survey\_queue\_custom\_text`;

ALTER TABLE `redcap\_surveys` ADD `survey\_auth\_enabled\_single` INT( 1 ) NOT NULL DEFAULT '0'

COMMENT 'Enable Survey Login for this single survey?' AFTER `promis\_skip\_question`;

ALTER TABLE `redcap\_surveys\_participants`

ADD `access\_code` VARCHAR( 9 ) NULL DEFAULT NULL AFTER `legacy\_hash` ,

ADD UNIQUE (`access\_code`);

-- Add new table for Survey Short Code functionality

CREATE TABLE `redcap\_surveys\_short\_codes` (

`ts` datetime DEFAULT NULL,

`participant\_id` int(10) DEFAULT NULL,

`code` varchar(6) COLLATE utf8\_unicode\_ci DEFAULT NULL,

UNIQUE KEY `code` (`code`),

KEY `participant\_id\_ts` (`participant\_id`,`ts`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci;

ALTER TABLE `redcap\_surveys\_short\_codes`

ADD FOREIGN KEY (`participant\_id`) REFERENCES `redcap\_surveys\_participants` (`participant\_id`) ON DELETE CASCADE ON UPDATE CASCADE;

-- Add new cron job

INSERT INTO redcap\_crons (cron\_name, cron\_description, cron\_enabled, cron\_frequency, cron\_max\_run\_time, cron\_instances\_max, cron\_instances\_current, cron\_last\_run\_end, cron\_times\_failed, cron\_external\_url) VALUES

('ClearSurveyShortCodes', 'Clear all survey short codes older than X minutes.', 'ENABLED', 300, 60, 1, 0, NULL , 0, NULL);

-- Remove the column end\_survey\_redirect\_url\_append\_id in redcap\_surveys table

update redcap\_surveys s set s.end\_survey\_redirect\_url\_append\_id = 0, s.end\_survey\_redirect\_url = concat(s.end\_survey\_redirect\_url, if(LOCATE('?', s.end\_survey\_redirect\_url)=0, '?', '&'),

'participant\_id=[', (select m.field\_name from redcap\_metadata m where m.project\_id = s.project\_id order by m.field\_order limit 1), ']')

where s.end\_survey\_redirect\_url\_append\_id = 1;

ALTER TABLE `redcap\_surveys` DROP `end\_survey\_redirect\_url\_append\_id`;

-- Set date of upgrade --

UPDATE redcap\_config SET value = '2014-09-15' WHERE field\_name = 'redcap\_last\_install\_date' LIMIT 1;

-- Set new version number --

UPDATE redcap\_config SET value = '6.0.2' WHERE field\_name = 'redcap\_version' LIMIT 1;

**REDCap SQL Error Log (copy and paste any SQL error messages that occur during the upgrade process):**

Time Action Message Duration / Fetch

3 1 07:14:24 USE ou\_rcap\_dev 0 row(s) affected 0.000 sec

3 2 07:14:24 SET FOREIGN\_KEY\_CHECKS=0 0 row(s) affected 0.016 sec

3 3 07:14:24 DROP TABLE IF EXISTS redcap\_reports 0 row(s) affected 0.343 sec

3 4 07:14:25 CREATE TABLE redcap\_reports (

report\_id int(10) NOT NULL AUTO\_INCREMENT,

project\_id int(10) NOT NULL,

title text COLLATE utf8\_unicode\_ci,

report\_order int(3) NOT NULL DEFAULT '1',

user\_access enum('ALL','SELECTED') COLLATE utf8\_unicode\_ci NOT NULL DEFAULT 'ALL',

orderby\_field1 varchar(100) COLLATE utf8\_unicode\_ci DEFAULT NULL,

orderby\_sort1 enum('ASC','DESC') COLLATE utf8\_unicode\_ci DEFAULT NULL,

orderby\_field2 varchar(100) COLLATE utf8\_unicode\_ci DEFAULT NULL,

orderby\_sort2 enum('ASC','DESC') COLLATE utf8\_unicode\_ci DEFAULT NULL,

preset\_export\_format varchar(10) COLLATE utf8\_unicode\_ci DEFAULT NULL,

preset\_archive\_files int(1) NOT NULL DEFAULT '0',

preset\_export\_dags int(1) NOT NULL DEFAULT '0',

preset\_export\_survey\_fields int(1) NOT NULL DEFAULT '0',

preset\_remove\_identifiers int(1) NOT NULL DEFAULT '0',

preset\_hash\_recordid int(1) NOT NULL DEFAULT '0',

preset\_remove\_unval\_text\_fields int(1) NOT NULL DEFAULT '0',

preset\_remove\_notes\_fields int(1) NOT NULL DEFAULT '0',

preset\_remove\_date\_fields int(1) NOT NULL DEFAULT '0',

preset\_shift\_dates int(1) NOT NULL DEFAULT '0',

preset\_shift\_survey\_timestamps int(1) NOT NULL DEFAULT '0',

PRIMARY KEY (report\_id),

UNIQUE KEY project\_report\_order (project\_id,report\_order),

KEY project\_id (project\_id)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci 0 row(s) affected 0.250 sec

3 5 07:14:25 DROP TABLE IF EXISTS redcap\_reports\_access\_dags 0 row(s) affected 0.046 sec

3 6 07:14:25 CREATE TABLE redcap\_reports\_access\_dags (

report\_id int(10) NOT NULL AUTO\_INCREMENT,

group\_id int(10) NOT NULL DEFAULT '0',

PRIMARY KEY (report\_id,group\_id),

KEY group\_id (group\_id)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci 0 row(s) affected 0.047 sec

3 7 07:14:25 DROP TABLE IF EXISTS redcap\_reports\_access\_roles 0 row(s) affected 0.031 sec

3 8 07:14:25 CREATE TABLE redcap\_reports\_access\_roles (

report\_id int(10) NOT NULL DEFAULT '0',

role\_id int(10) NOT NULL DEFAULT '0',

PRIMARY KEY (report\_id,role\_id),

KEY role\_id (role\_id)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci 0 row(s) affected 0.047 sec

3 9 07:14:25 DROP TABLE IF EXISTS redcap\_reports\_access\_users 0 row(s) affected 0.031 sec

3 10 07:14:25 CREATE TABLE redcap\_reports\_access\_users (

report\_id int(10) NOT NULL AUTO\_INCREMENT,

username varchar(255) COLLATE utf8\_unicode\_ci NOT NULL DEFAULT '',

PRIMARY KEY (report\_id,username),

KEY username (username)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci 0 row(s) affected 0.032 sec

3 11 07:14:25 DROP TABLE IF EXISTS redcap\_reports\_fields 0 row(s) affected 0.031 sec

3 12 07:14:25 CREATE TABLE redcap\_reports\_fields (

rf\_id int(10) NOT NULL AUTO\_INCREMENT,

report\_id int(10) DEFAULT NULL,

field\_name varchar(100) COLLATE utf8\_unicode\_ci DEFAULT NULL,

field\_order int(3) DEFAULT NULL,

limiter\_event\_id int(10) DEFAULT NULL,

limiter\_operator enum('E','NE','GT','GTE','LT','LTE','CONTAINS','CHECKED','UNCHECKED') COLLATE utf8\_unicode\_ci DEFAULT NULL,

limiter\_value varchar(255) COLLATE utf8\_unicode\_ci DEFAULT NULL,

PRIMARY KEY (rf\_id),

UNIQUE KEY report\_id\_field\_name\_order (report\_id,field\_name,field\_order),

KEY field\_name (field\_name),

KEY limiter\_event\_id (limiter\_event\_id),

KEY report\_id\_field\_order (report\_id,field\_order)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci 0 row(s) affected 0.047 sec

3 13 07:14:25 DROP TABLE IF EXISTS redcap\_reports\_filter\_dags 0 row(s) affected 0.015 sec

3 14 07:14:25 CREATE TABLE redcap\_reports\_filter\_dags (

report\_id int(10) NOT NULL AUTO\_INCREMENT,

group\_id int(10) NOT NULL DEFAULT '0',

PRIMARY KEY (report\_id,group\_id),

KEY group\_id (group\_id)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci 0 row(s) affected 0.031 sec

3 15 07:14:25 DROP TABLE IF EXISTS redcap\_reports\_filter\_events 0 row(s) affected 0.032 sec

3 16 07:14:25 CREATE TABLE redcap\_reports\_filter\_events (

report\_id int(10) NOT NULL AUTO\_INCREMENT,

event\_id int(10) NOT NULL DEFAULT '0',

PRIMARY KEY (report\_id,event\_id),

KEY event\_id (event\_id)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci 0 row(s) affected 0.015 sec

3 17 07:14:25 DROP TABLE IF EXISTS redcap\_reports\_filter\_records 0 row(s) affected 0.047 sec

3 18 07:14:25 CREATE TABLE redcap\_reports\_filter\_records (

report\_id int(10) NOT NULL AUTO\_INCREMENT,

record varchar(100) COLLATE utf8\_unicode\_ci DEFAULT NULL,

UNIQUE KEY report\_record (report\_id,record)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci 0 row(s) affected 0.016 sec

3 19 07:14:25 ALTER TABLE `redcap\_reports`

ADD CONSTRAINT redcap\_reports\_ibfk\_1 FOREIGN KEY (project\_id) REFERENCES redcap\_projects (project\_id) ON DELETE CASCADE ON UPDATE CASCADE 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.047 sec

3 20 07:14:25 ALTER TABLE `redcap\_reports\_access\_dags`

ADD CONSTRAINT redcap\_reports\_access\_dags\_ibfk\_1 FOREIGN KEY (group\_id) REFERENCES redcap\_data\_access\_groups (group\_id) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT redcap\_reports\_access\_dags\_ibfk\_2 FOREIGN KEY (report\_id) REFERENCES redcap\_reports (report\_id) ON DELETE CASCADE ON UPDATE CASCADE 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.000 sec

3 21 07:14:25 ALTER TABLE `redcap\_reports\_access\_roles`

ADD CONSTRAINT redcap\_reports\_access\_roles\_ibfk\_1 FOREIGN KEY (report\_id) REFERENCES redcap\_reports (report\_id) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT redcap\_reports\_access\_roles\_ibfk\_2 FOREIGN KEY (role\_id) REFERENCES redcap\_user\_roles (role\_id) ON DELETE CASCADE ON UPDATE CASCADE 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.015 sec

3 22 07:14:25 ALTER TABLE `redcap\_reports\_access\_users`

ADD CONSTRAINT redcap\_reports\_access\_users\_ibfk\_1 FOREIGN KEY (report\_id) REFERENCES redcap\_reports (report\_id) ON DELETE CASCADE ON UPDATE CASCADE 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.016 sec

3 23 07:14:25 ALTER TABLE `redcap\_reports\_fields`

ADD CONSTRAINT redcap\_reports\_fields\_ibfk\_1 FOREIGN KEY (limiter\_event\_id) REFERENCES redcap\_events\_metadata (event\_id) ON DELETE SET NULL ON UPDATE CASCADE,

ADD CONSTRAINT redcap\_reports\_fields\_ibfk\_2 FOREIGN KEY (report\_id) REFERENCES redcap\_reports (report\_id) ON DELETE CASCADE ON UPDATE CASCADE 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.015 sec

3 24 07:14:25 ALTER TABLE `redcap\_reports\_filter\_dags`

ADD CONSTRAINT redcap\_reports\_filter\_dags\_ibfk\_1 FOREIGN KEY (report\_id) REFERENCES redcap\_reports (report\_id) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT redcap\_reports\_filter\_dags\_ibfk\_2 FOREIGN KEY (group\_id) REFERENCES redcap\_data\_access\_groups (group\_id) ON DELETE CASCADE ON UPDATE CASCADE 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.016 sec

3 25 07:14:25 ALTER TABLE `redcap\_reports\_filter\_events`

ADD CONSTRAINT redcap\_reports\_filter\_events\_ibfk\_1 FOREIGN KEY (event\_id) REFERENCES redcap\_events\_metadata (event\_id) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT redcap\_reports\_filter\_events\_ibfk\_2 FOREIGN KEY (report\_id) REFERENCES redcap\_reports (report\_id) ON DELETE CASCADE ON UPDATE CASCADE 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.016 sec

3 26 07:14:25 ALTER TABLE `redcap\_reports\_filter\_records`

ADD CONSTRAINT redcap\_reports\_filter\_records\_ibfk\_1 FOREIGN KEY (report\_id) REFERENCES redcap\_reports (report\_id) ON DELETE CASCADE ON UPDATE CASCADE 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.015 sec

3 27 07:14:25 SET FOREIGN\_KEY\_CHECKS=1 0 row(s) affected 0.000 sec

3 28 07:14:25 ALTER TABLE `redcap\_reports\_fields` ADD `limiter\_group\_operator` ENUM( 'AND', 'OR' ) NULL DEFAULT NULL AFTER `field\_order` 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.125 sec

3 29 07:14:26 ALTER TABLE `redcap\_reports\_fields` DROP `rf\_id` 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.062 sec

3 30 07:14:26 ALTER TABLE `redcap\_reports` CHANGE `report\_order` `report\_order` INT( 3 ) NULL DEFAULT NULL 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.094 sec

3 31 07:14:26 UPDATE `redcap\_config` SET `value` = 'https://www.redcap-cats.org/promis\_api/' WHERE `field\_name` = 'promis\_api\_base\_url' 1 row(s) affected

Rows matched: 1 Changed: 1 Warnings: 0 0.000 sec

3 32 07:14:26 ALTER TABLE `redcap\_reports`

DROP `preset\_export\_format`,

DROP `preset\_archive\_files`,

DROP `preset\_export\_dags`,

DROP `preset\_export\_survey\_fields`,

DROP `preset\_remove\_identifiers`,

DROP `preset\_hash\_recordid`,

DROP `preset\_remove\_unval\_text\_fields`,

DROP `preset\_remove\_notes\_fields`,

DROP `preset\_remove\_date\_fields`,

DROP `preset\_shift\_dates`,

DROP `preset\_shift\_survey\_timestamps` 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.062 sec

3 33 07:14:26 ALTER TABLE `redcap\_reports\_fields` CHANGE `limiter\_operator` `limiter\_operator`

ENUM( 'E', 'NE', 'GT', 'GTE', 'LT', 'LTE', 'CHECKED', 'UNCHECKED', 'CONTAINS', 'NOT\_CONTAIN', 'STARTS\_WITH', 'ENDS\_WITH' )

CHARACTER SET utf8 COLLATE utf8\_unicode\_ci NULL DEFAULT NULL 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.063 sec

3 34 07:14:26 ALTER TABLE `redcap\_reports` ADD `orderby\_field3` VARCHAR( 100 ) NULL DEFAULT NULL ,

ADD `orderby\_sort3` ENUM( 'ASC', 'DESC' ) NULL DEFAULT NULL 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.047 sec

3 35 07:14:26 ALTER TABLE `redcap\_reports` ADD `output\_dags` INT( 1 ) NOT NULL AFTER `user\_access` ,

ADD `output\_survey\_fields` INT( 1 ) NOT NULL AFTER `output\_dags` 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.062 sec

3 36 07:14:26 update redcap\_config set value = '2' where field\_name = 'enable\_plotting' and value != '0' 0 row(s) affected

Rows matched: 1 Changed: 0 Warnings: 0 0.000 sec

0 37 07:14:26 update redcap\_user\_rights u, redcap\_user\_roles r set u.role\_id = null WHERE r.role\_id = u.role\_id AND u.project\_id != r.project\_id Error Code: 1175. You are using safe update mode and you tried to update a table without a WHERE that uses a KEY column

To disable safe mode, toggle the option in Preferences -> SQL Queries and reconnect. 0.000 sec

Time Action Message Duration / Fetch

3 1 07:20:44 USE ou\_rcap\_dev 0 row(s) affected 0.000 sec

3 2 07:21:35 update redcap\_user\_rights u, redcap\_user\_roles r set u.role\_id = null WHERE r.role\_id = u.role\_id AND u.project\_id != r.project\_id 0 row(s) affected

Rows matched: 0 Changed: 0 Warnings: 0 0.031 sec

3 3 07:21:52 ALTER TABLE `redcap\_docs`

CHANGE `docs\_name` `docs\_name` VARCHAR( 255 ) CHARACTER SET utf8 COLLATE utf8\_unicode\_ci NULL DEFAULT NULL,

DROP INDEX `docs\_name` ,

ADD INDEX `docs\_name` ( `docs\_name` ),

ADD `temp` INT( 1 ) NOT NULL DEFAULT '0' COMMENT 'Is file only a temp file?',

DROP INDEX `project\_id\_export\_file`,

ADD INDEX `project\_id\_export\_file\_temp` (`project\_id`, `export\_file`, `temp`),

DROP FOREIGN KEY `redcap\_docs\_ibfk\_2`,

DROP `edoc\_id` 105 row(s) affected

Records: 105 Duplicates: 0 Warnings: 0 0.218 sec

1 4 07:21:53 ALTER TABLE `redcap\_edocs\_metadata` ADD `gzipped` INT( 1 ) NOT NULL DEFAULT '0' COMMENT 'Is file gzip compressed?' AFTER `file\_extension` 146 row(s) affected, 1 warning(s):

1880 TIME/TIMESTAMP/DATETIME columns of old format have been upgraded to the new format.

Records: 146 Duplicates: 0 Warnings: 1 0.140 sec

3 5 07:21:53 ALTER TABLE `redcap\_reports` ADD `advanced\_logic` TEXT NULL DEFAULT NULL 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.094 sec

3 6 07:21:53 delete from redcap\_reports\_filter\_records 0 row(s) affected 0.000 sec

3 7 07:21:53 drop table if exists redcap\_reports\_filter\_records 0 row(s) affected 0.000 sec

3 8 07:21:53 ALTER TABLE `redcap\_reports` CHANGE `output\_dags` `output\_dags` INT( 1 ) NOT NULL DEFAULT '0',

CHANGE `output\_survey\_fields` `output\_survey\_fields` INT( 1 ) NOT NULL DEFAULT '0' 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.031 sec

3 9 07:21:53 DELETE FROM redcap\_reports 0 row(s) affected 0.000 sec

3 10 07:21:53 ALTER TABLE redcap\_reports AUTO\_INCREMENT = 1 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.000 sec

3 11 07:21:53 insert into redcap\_reports (project\_id,title,report\_order,orderby\_field1,orderby\_sort1, orderby\_field2,orderby\_sort2,user\_access) values (12,'test',1,NULL,NULL,NULL,NULL,'SELECTED') 1 row(s) affected 0.015 sec

3 12 07:21:53 set @r=LAST\_INSERT\_ID() 0 row(s) affected 0.047 sec

1 13 07:21:53 insert into redcap\_reports\_access\_users select @r,u.username from redcap\_user\_rights u left join redcap\_user\_roles r on r.role\_id=u.role\_id where u.project\_id=12 and ((u.reports=1 and r.reports is null) or r.reports=1) 2 row(s) affected, 1 warning(s):

1592 Unsafe statement written to the binary log using statement format since BINLOG\_FORMAT = STATEMENT. Statements writing to a table with an auto-increment column after selecting from another table are unsafe because the order in which rows are retrieved determines what (if any) rows will be written. This order cannot be predicted and may differ on master and the slave.

Records: 2 Duplicates: 0 Warnings: 1 0.047 sec

3 14 07:21:53 insert into redcap\_reports\_fields (report\_id,field\_name,field\_order) values (@r,'studyid',1),(@r,'social\_security',2) 2 row(s) affected

Records: 2 Duplicates: 0 Warnings: 0 0.016 sec

3 15 07:21:53 insert into redcap\_reports\_fields (report\_id,field\_name,field\_order,limiter\_group\_operator,limiter\_operator,limiter\_value) values (@r,'studyid',3,'AND','E','asdf') 1 row(s) affected 0.000 sec

3 16 07:21:53 insert into redcap\_reports (project\_id,title,report\_order,orderby\_field1,orderby\_sort1, orderby\_field2,orderby\_sort2,user\_access) values (23,'Test Report',1,NULL,NULL,NULL,NULL,'SELECTED') 1 row(s) affected 0.015 sec

3 17 07:21:53 set @r=LAST\_INSERT\_ID() 0 row(s) affected 0.000 sec

1 18 07:21:53 insert into redcap\_reports\_access\_users select @r,u.username from redcap\_user\_rights u left join redcap\_user\_roles r on r.role\_id=u.role\_id where u.project\_id=23 and ((u.reports=1 and r.reports is null) or r.reports=1) 2 row(s) affected, 1 warning(s):

1592 Unsafe statement written to the binary log using statement format since BINLOG\_FORMAT = STATEMENT. Statements writing to a table with an auto-increment column after selecting from another table are unsafe because the order in which rows are retrieved determines what (if any) rows will be written. This order cannot be predicted and may differ on master and the slave.

Records: 2 Duplicates: 0 Warnings: 1 0.031 sec

3 19 07:21:53 insert into redcap\_reports\_fields (report\_id,field\_name,field\_order) values (@r,'participant\_id',1) 1 row(s) affected 0.016 sec

3 20 07:21:53 insert into redcap\_reports\_fields (report\_id,field\_name,field\_order,limiter\_group\_operator,limiter\_operator,limiter\_value) values (@r,'participant\_id',2,'AND','E','1') 1 row(s) affected 0.000 sec

3 21 07:21:53 insert into redcap\_reports (project\_id,title,report\_order,orderby\_field1,orderby\_sort1, orderby\_field2,orderby\_sort2,user\_access) values (29,'Summary',1,'date','DESC',NULL,NULL,'SELECTED') 1 row(s) affected 0.000 sec

3 22 07:21:53 set @r=LAST\_INSERT\_ID() 0 row(s) affected 0.000 sec

1 23 07:21:53 insert into redcap\_reports\_access\_users select @r,u.username from redcap\_user\_rights u left join redcap\_user\_roles r on r.role\_id=u.role\_id where u.project\_id=29 and ((u.reports=1 and r.reports is null) or r.reports=1) 1 row(s) affected, 1 warning(s):

1592 Unsafe statement written to the binary log using statement format since BINLOG\_FORMAT = STATEMENT. Statements writing to a table with an auto-increment column after selecting from another table are unsafe because the order in which rows are retrieved determines what (if any) rows will be written. This order cannot be predicted and may differ on master and the slave.

Records: 1 Duplicates: 0 Warnings: 1 0.016 sec

3 24 07:21:53 insert into redcap\_reports\_fields (report\_id,field\_name,field\_order) values (@r,'record\_id',1),(@r,'date',2),(@r,'status',3),(@r,'my\_first\_instrument\_complete',4) 4 row(s) affected

Records: 4 Duplicates: 0 Warnings: 0 0.000 sec

3 25 07:21:53 INSERT INTO redcap\_config (field\_name, value) VALUES ('from\_email', '') 1 row(s) affected 0.000 sec

3 26 07:21:53 INSERT INTO redcap\_config (field\_name, value) VALUES ('field\_comment\_log\_enabled\_default', '1') 1 row(s) affected 0.000 sec

3 27 07:21:53 ALTER TABLE `redcap\_projects`

ADD `survey\_auth\_field1` VARCHAR( 100 ) NULL DEFAULT NULL ,

ADD `survey\_auth\_event\_id1` INT( 10 ) NULL DEFAULT NULL ,

ADD `survey\_auth\_field2` VARCHAR( 100 ) NULL DEFAULT NULL ,

ADD `survey\_auth\_event\_id2` INT( 10 ) NULL DEFAULT NULL ,

ADD `survey\_auth\_field3` VARCHAR( 100 ) NULL DEFAULT NULL ,

ADD `survey\_auth\_event\_id3` INT( 10 ) NULL DEFAULT NULL ,

ADD `survey\_auth\_min\_fields` ENUM( '1', '2', '3' ) NULL,

ADD `survey\_auth\_apply\_all\_surveys` INT( 1 ) NOT NULL DEFAULT '1',

ADD `survey\_auth\_custom\_message` TEXT NULL DEFAULT NULL,

ADD `survey\_auth\_fail\_limit` INT( 2 ) NULL DEFAULT NULL ,

ADD `survey\_auth\_fail\_window` INT( 3 ) NULL DEFAULT NULL,

ADD INDEX ( `survey\_auth\_event\_id1` ),

ADD INDEX ( `survey\_auth\_event\_id2` ),

ADD INDEX ( `survey\_auth\_event\_id3` ),

ADD FOREIGN KEY ( `survey\_auth\_event\_id1` ) REFERENCES `redcap\_events\_metadata` (`event\_id`) ON DELETE SET NULL ON UPDATE CASCADE,

ADD FOREIGN KEY ( `survey\_auth\_event\_id2` ) REFERENCES `redcap\_events\_metadata` (`event\_id`) ON DELETE SET NULL ON UPDATE CASCADE,

ADD FOREIGN KEY ( `survey\_auth\_event\_id3` ) REFERENCES `redcap\_events\_metadata` (`event\_id`) ON DELETE SET NULL ON UPDATE CASCADE 29 row(s) affected

Records: 29 Duplicates: 0 Warnings: 0 0.171 sec

3 28 07:21:53 ALTER TABLE `redcap\_surveys`

ADD `display\_page\_number` INT( 1 ) NOT NULL DEFAULT '1' AFTER `question\_by\_section`,

ADD `edit\_completed\_response` INT( 1 ) NOT NULL DEFAULT '0' COMMENT 'Allow respondents to return and edit a completed response?' 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.109 sec

3 29 07:21:53 CREATE TABLE `redcap\_surveys\_login` (

`ts` datetime DEFAULT NULL,

`response\_id` int(10) DEFAULT NULL,

`login\_success` tinyint(1) NOT NULL DEFAULT '1',

KEY `response\_id` (`response\_id`),

KEY `ts\_response\_id\_success` (`ts`,`response\_id`,`login\_success`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci 0 row(s) affected 0.063 sec

3 30 07:21:53 ALTER TABLE `redcap\_surveys\_login`

ADD FOREIGN KEY (`response\_id`) REFERENCES `redcap\_surveys\_response` (`response\_id`) ON DELETE CASCADE ON UPDATE CASCADE 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.078 sec

3 31 07:21:54 ALTER TABLE `redcap\_projects` ADD `survey\_auth\_enabled` INT( 1 ) NOT NULL DEFAULT '0' AFTER `survey\_queue\_custom\_text` 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.125 sec

3 32 07:21:54 ALTER TABLE `redcap\_surveys` ADD `survey\_auth\_enabled\_single` INT( 1 ) NOT NULL DEFAULT '0'

COMMENT 'Enable Survey Login for this single survey?' AFTER `promis\_skip\_question` 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.078 sec

3 33 07:21:54 ALTER TABLE `redcap\_surveys\_participants`

ADD `access\_code` VARCHAR( 9 ) NULL DEFAULT NULL AFTER `legacy\_hash` ,

ADD UNIQUE (`access\_code`) 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.171 sec

3 34 07:21:54 CREATE TABLE `redcap\_surveys\_short\_codes` (

`ts` datetime DEFAULT NULL,

`participant\_id` int(10) DEFAULT NULL,

`code` varchar(6) COLLATE utf8\_unicode\_ci DEFAULT NULL,

UNIQUE KEY `code` (`code`),

KEY `participant\_id\_ts` (`participant\_id`,`ts`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8\_unicode\_ci 0 row(s) affected 0.109 sec

3 35 07:21:54 ALTER TABLE `redcap\_surveys\_short\_codes`

ADD FOREIGN KEY (`participant\_id`) REFERENCES `redcap\_surveys\_participants` (`participant\_id`) ON DELETE CASCADE ON UPDATE CASCADE 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.188 sec

3 36 07:21:54 INSERT INTO redcap\_crons (cron\_name, cron\_description, cron\_enabled, cron\_frequency, cron\_max\_run\_time, cron\_instances\_max, cron\_instances\_current, cron\_last\_run\_end, cron\_times\_failed, cron\_external\_url) VALUES

('ClearSurveyShortCodes', 'Clear all survey short codes older than X minutes.', 'ENABLED', 300, 60, 1, 0, NULL , 0, NULL) 1 row(s) affected 0.000 sec

1 37 07:21:54 update redcap\_surveys s set s.end\_survey\_redirect\_url\_append\_id = 0, s.end\_survey\_redirect\_url = concat(s.end\_survey\_redirect\_url, if(LOCATE('?', s.end\_survey\_redirect\_url)=0, '?', '&'),

'participant\_id=[', (select m.field\_name from redcap\_metadata m where m.project\_id = s.project\_id order by m.field\_order limit 1), ']')

where s.end\_survey\_redirect\_url\_append\_id = 1 0 row(s) affected, 2 warning(s):

1592 Unsafe statement written to the binary log using statement format since BINLOG\_FORMAT = STATEMENT. The statement is unsafe because it uses a LIMIT clause. This is unsafe because the set of rows included cannot be predicted.

1592 Unsafe statement written to the binary log using statement format since BINLOG\_FORMAT = STATEMENT. Statements writing to a table with an auto-increment column after selecting from another table are unsafe because the order in which rows are retrieved determines what (if any) rows will be written. This order cannot be predicted and may differ on master and the slave.

Rows matched: 0 Changed: 0 Warnings: 2 0.031 sec

3 38 07:21:54 ALTER TABLE `redcap\_surveys` DROP `end\_survey\_redirect\_url\_append\_id` 0 row(s) affected

Records: 0 Duplicates: 0 Warnings: 0 0.078 sec

1 39 07:21:54 UPDATE redcap\_config SET value = '2014-09-15' WHERE field\_name = 'redcap\_last\_install\_date' LIMIT 1 1 row(s) affected, 1 warning(s):

1592 Unsafe statement written to the binary log using statement format since BINLOG\_FORMAT = STATEMENT. The statement is unsafe because it uses a LIMIT clause. This is unsafe because the set of rows included cannot be predicted.

Rows matched: 1 Changed: 1 Warnings: 1 0.015 sec

1 40 07:21:54 UPDATE redcap\_config SET value = '6.0.2' WHERE field\_name = 'redcap\_version' LIMIT 1 1 row(s) affected, 1 warning(s):

1592 Unsafe statement written to the binary log using statement format since BINLOG\_FORMAT = STATEMENT. The statement is unsafe because it uses a LIMIT clause. This is unsafe because the set of rows included cannot be predicted.

Rows matched: 1 Changed: 1 Warnings: 1 0.000 sec

**REDCap Testing Scripts:**

X\_\_\_\_\_\_\_\_\_ Baseline Test Script

X\_\_\_\_\_\_\_\_\_ Basic Functionality Script

X\_\_\_\_\_\_\_\_\_ Control Panel System Configuration Script

X\_\_\_\_\_\_\_\_\_ User Acceptance Testing Script