

# Moving the MI Database to a Remote DB Server (prior to v6.2)

This article provides a step-by-step guide on how to move the Metric Insights **dashboard** database from the application server to a remote database server.

## PREREQUISITES

There are a few things you must have ready before migrating the Metric Insights database to a new remote DB server:

- MySQL 5.5+ with root username and password with root username and password:
- Root username and password for host
- Open port 3306 for SQL connections
- Remote DB server specs
- MySQL parameters that are appropriate for the remote DB server based on those specs (Refer to [Fine Tuning MySQL Parameters](#) for more information)

Once you have the information above, you are ready to proceed with moving the database.

## 1. Stop Cron Service on the Application Server

## 2. Create a Backup of Metric Insights prior to Moving the Database

```
mi-app-backup -v
```

## 3. Move Local DB on the Application Server to the Remote DB Server

**⚠ Important:** If you are moving the database to Amazon RDS, you must set the following first before moving the DB:

```
log_bin_trust_function_creators = 1
```

 For additional migration options please see [mi-db-move options](#).

### 3.1. Prior to Metric Insights v5.1

```
mi-db-move -v <remote host> <remote db admin> <remote db password>
```

### 3.2. Metric Insights v5.1+

1. 

```
mi-db-move -v -t default <remote db host> <remote db root user> <remote db root password>
```
2. 

```
mi-db-move -v -t dataset <remote db host> <remote db root user> <remote db root password>
```

## 4. (Optional) Rename Database on Remote DB Server to Some Other Desired Name

```
mi-db-rename -v -d <dashboard db name> -D <old dashboard db name> -U <remote db admin> -P <remote db password>
```

## 5. Fine-Tune MySQL Parameters

Once the move is complete on the remote DB server, follow the instructions [in this article](#) to update the MySQL parameters.

## 6. Set the Timezone on the Remote Database Server

## 7. Start Cron Service on the Application Server

## 8. Confirm the Database Move is Successful by Checking the following:

- Homepage loads properly
- Status Monitor page shows the correct server time

- Dashboard DB data source profile shows host is set to remote DB; use *test connection* to confirm
- Data Collection Triggers are running without errors
- Elements sourced against Existing Metrics/Reports validate without error


## mi-db-move Options

```
# mi-db-move -h
```

USAGE:

```
mi-db-move [-hvnxlN -f FILE -p PORT] <DB_HOST> <ADMIN_USERNAME> <ADMIN_PASSWORD>
```

Move the MI instance database configured in /opt/mi/config/insight.conf to another database server.

 The current machine's MI instance will be updated to point to the new database server unless the you explicitly request no config updates with the -N option.

OPTIONS	
-h	This screen.
-v	Be verbose.
-n	Dry run.
-N	Don't update local config files to point to new database.
-f FILE	Backup file to create (or reuse).
-x	Prune unnecessary log files from database in DB dump.
-l	Restrict database users to only allow them to connect from localhost.
-p PORT	Destination DB port (default: 3306).