

**Monitor Host Install Guide**

**June 01 2009**

**0.1**

**Revision History**

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# Introduction

## Document Purpose

This document describes the necessary steps involved in installing Monitor Host application.

## Audience

Intended audience – the users installing Monitor Host application.

## Abbreviations and Acronyms

MH –Monitor Host application

DB -database

# DB system install guide

If Monitor Host application uses MySQL DB then MySQL DB system must be installed. When Monitor Host uses SQLite DB then there shouldn’t be installed SQLite DB system because there is no such system.

## Installing MySQL DB system

You must have a MySQL Server instance installed on a machine from internet (can be on the same machine as Monitor Host application) with a Monitor Host database. For more information about installation of MySQL Server

### MySQL install steps

MySQL install steps are:

Sudo apt-get install<module name from below>

1. Apache2
2. Mysql-server
3. Libapache2-mod-auth-mysql

### MySQL restart

After everything is setup, restart Apache:

/usr/local/bin/apachectl stop (or /usr/sbin/apache2ctl stop)

/usr/local/bin/apachectl start (or /usr/sbin/apache2ctl start)

Alternatively, simply enter:

/usr/local/bin/apachectl restart (or /usr/bin/apache2ctl restart)

Secondly, start MySql

/etc/init.d/mysql start (when stopping it -> /etc/init.d/mysql stop)

## Configuring MySQL DB system

A user must be created in order to be used for DB connection. This is done as follow:

* Type in the shell console the command -> mysql –u root
* Now you will be in the mysql console mode. In this mode type: *GRANT ALL PRIVILEGES ON \*.\* TO '<username>'@'<machine\_IP>' IDENTIFIED BY '<password>' WITH GRANT OPTION*; (recommended : grant all privileges on \*.\* to 'nisa100'@'%' identified by 'demo' with grant option)
  + *<username>* - is the username that will be used for connecting to db
  + *<machine\_IP> -* is the IP of the machine from where you will connect to the database server (ex. For the website will be the IP of the webserver, because from there you will connect to the database server)
  + *<password> -*  is the password to be used when connecting to the database

More information regarding the proper setting of the mysql server can be found at this link: <https://help.ubuntu.com/community/ApacheMySQLPHP#After%20installing%20MySQL>

# Create Monitor Host DB

## Creating MH MySQL DB

In order to create and pre-populate the database you will use 2 script files: *CreateSchema.sql*, *CreateDefaultData\_full\_ISA.sql* (enabling full ISA interface) or *CreateDefaultData\_simple\_ISA.sql (*enabling simple ISA interface*)*. These scripts will be executed from shell, in the order above, using this command:

*mysql –u root < scriptfile.sql*

The scripts are found in the archive file in the folder called *‘DBscripts\_MySQL’.*

## Creating MH SQLite DB

In order to create the database (Monitor\_Host.db3 – default name in Monitor\_Host.conf file) the following command should be provided at command line:

# sqlite3 Monitor\_Host.db3

To pre-populate the database you will use 2 script files: *CreateSchema.sql*, *CreateDefaultData\_full\_ISA.sql* (enabling full ISA interface) or *CreateDefaultData\_simple\_ISA.sql (*enabling simple ISA interface*)*. These scripts will be executed from shell, in the order above, using this command:

sqlite3> .read *scriptfile.sql*

The scripts are found in the archive file in the folder called *‘DBscripts\_SQLite’.*

# MH install guide

The application is provided as tar.gz file: untar the application (tar –xzf <file>.tar.gz).

## Files structure for MH application

You should have the following directories structure:

* ‘etc’ directory
* ‘Monitor\_Host.conf’ – MH application configuration file
* ‘Monitor\_Host\_Log.ini’ –configuration for logging
* ‘Monitor\_Host\_Publishers.conf’ –configuration for publishing devices
* ‘stop.sh’ file
* ‘start.sh’ file
* ‘run.sh’ file
* ‘log.sh’ file
* Monitor\_Host.o file

## Running MH application

To start the application run: etc/start.sh.

To stop the application run: etc/stop.