

# DigiVault

## DigiVault Online Backup Manager

### MySQL Backup/Restore Guide



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# 1 Backup/Restore MySQL Server

This guide will describe in details how to use DigiVault Backup Manager to backup your MySQL server and how you can restore your MySQL server from the database backup files.

## 1.1 Requirements

- i. DigiVault Backup Manager must be installed onto the computer running MySQL server.
- ii. Data from MySQL server will be backed up to a temporary directory before they are sent to Offsite Backup Server. Please make sure you have sufficient space on your computer to store these data when you run the backup job.
- iii. There must be a MySQL account can be used to connect from localhost.

Add two new MySQL accounts for DigiVault Backup Manager

```
mysql> GRANT ALL PRIVILEGES ON *.* TO 'root'@'localhost'-> IDENTIFIED BY 'some_pass';  
mysql> GRANT ALL PRIVILEGES ON *.* TO 'root'@'localhost.localdomain'-> IDENTIFIED BY 'some_pass';  
mysql> FLUSH PRIVILEGES;
```

They are superuser accounts with full privileges to do anything with a password of some\_pass.

## 1.2 Overview

DigiVault Backup Manager will backup your MySQL server by taking the following steps:

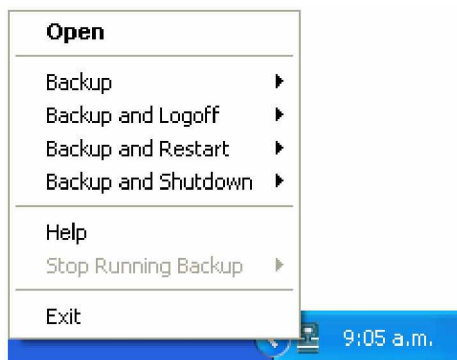
- i. Run all Pre-Commands of this backup set
- ii. All database(s) selected are backed up to a temporary directory specified in its backup set
- iii. Run all Post-Commands of this backup set
- iv. Upload all backup files from the temporary directory to an Offsite Backup Server

## 1.3 How to backup MySQL server

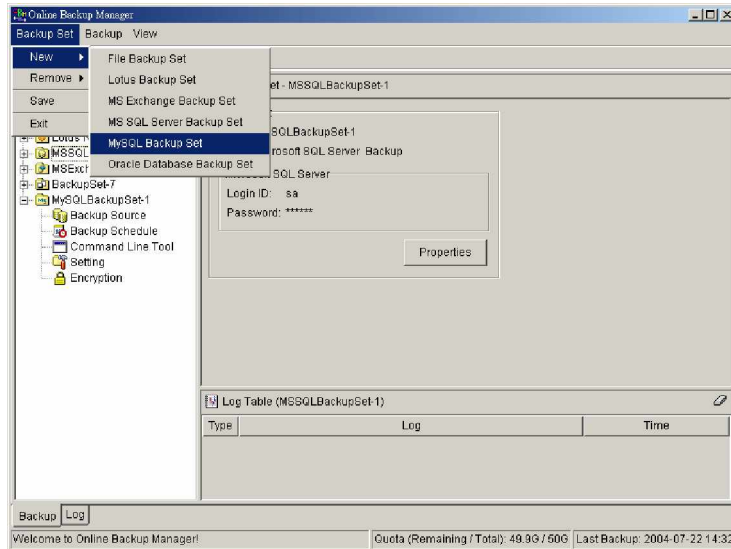
Please follow the instructions below to backup your MySQL server using DigiVault Backup Manager:

- i. Open DigiVault Backup Manager

Right click DigiVault Backup Manager icon available in the system tray and choose [Open]



- ii. From the Menu, Choose [Backup Set] -> [New] -> [MySQL Backup Set] Create a backup set
  - a. From the Menu, Choose [Backup Set] -> [New] -> [MySQL Backup Set]

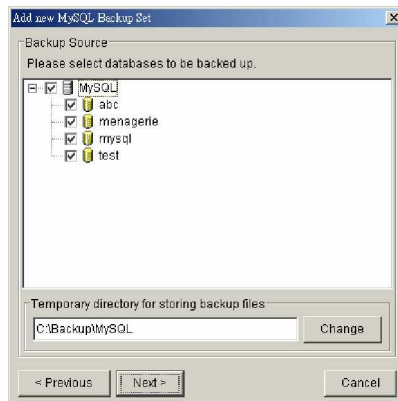


- b. Enter a name for your backup set

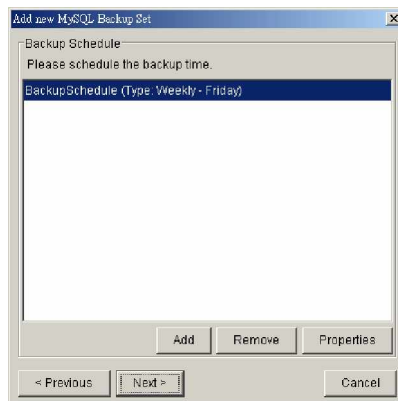


- c. Enter the root password, the MySQL server TCP/IP port number and the path to MySQL backup utility (mysqldump)

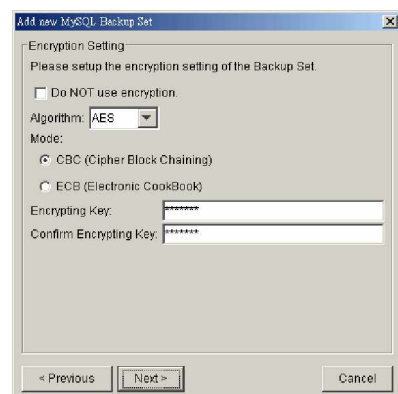
- d. Select the database(s) to be backed up



- e. Enter a temporary directory for storing the backup files before they are sent to an Offsite Backup Server, e.g. C:\Backup\MySQL
- f. Set the backup schedule for Database Backup



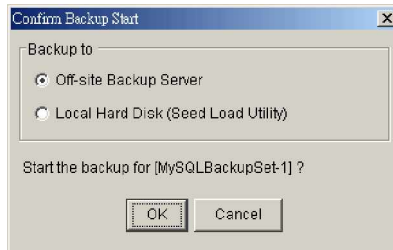
- g. Set the encryption algorithm, encryption mode and encrypting key for this backup set



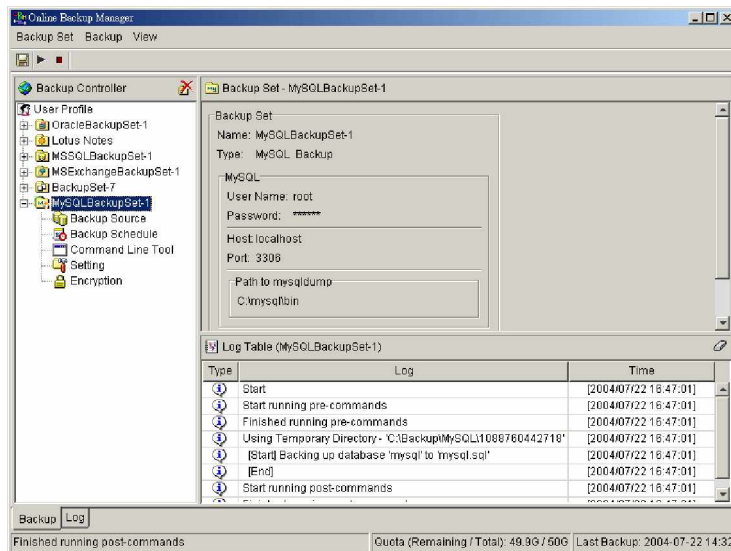
(Hint: For maximum security, please select AES (Advanced Encryption Standard) Algorithm, CBC (Cipher Block Chaining) mode and use an encrypting key with more than 8 characters.)

iii. Run Backup

- a. Select the backup set you want to run on the left panel and click the [Start Backup] button ( )
- b. Select [Off-site Backup Server] to start backing up your files to DigiVault’s Backup Servers and click the [OK] button



- c. You should get something similar to the screen shot below.



## 1.4 How to restore MySQL server

Please follow the instructions below to restore MySQL server from an Offsite Backup Server.

- i. Download the database backup files to be restored from the Offsite Backup Server. Please refer to the [How to restore file] section for information on how to download backup files from Offsite Backup Server.
- ii. Restore the database named [db\_name] from the database backup file [db\_name.sql]:
  - a. Connect to the MySQL server

```
shell> mysql
```
  - b. Create the database to be restored

```
mysql> CREATE DATABASE IF NOT EXISTS db_name
```
  - c. Restore the database backup file back into the MySQL server

```
shell> mysql db_name < db_name.sql
```
- iii. Repeat the same procedure for each database to be restored to the MySQL Server.
- iv. Completed

## 2 Further Information

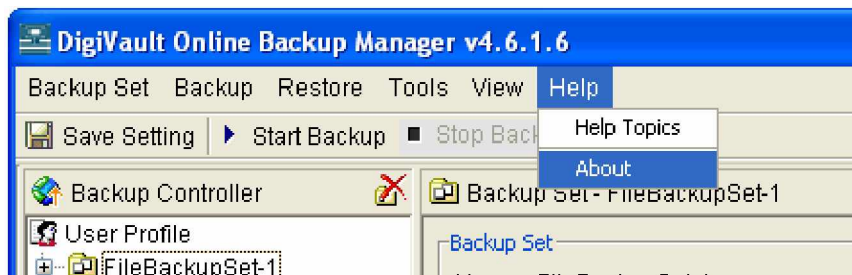
### 2.1 FAQ's

Please see if your question has already been answered in our FAQs available on our website.

### 2.2 Contact Us

Should you need to contact us, you can go to <http://www.digivault.co.nz> or, alternatively, follow the instructions below to find our contact details:

- i. Open DigiVault Backup Manager from the system tray
- ii. Choose [Help] -> [About] from the top menu



- iii. Contact DigiVault using the information shown in the [About] dialog box

