

Restore With mysql

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Outline

- **Introduction**
- **Scenario Setup**
- **Restoring a Single Database Backup**
- **Restoring a Multiple Database Backup**
- **Summary**

Introduction

- **A successful restore is equally valuable as a successful backup.**
- **A disaster recovery strategy is never complete without a test of a database restore.**
- **Always test your backup by restoring it on a test server.**

Script for Backup and Restore

```
-- creating backup
mysqldump options > backupfile.sql

-- restoring backup
mysql options < backupfile.sql
```

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Scenario Setup

- Name of Company – SQL Authority
- Company HQ – USA
- Business – Movie Rental



USA



India



Database Administrators

Rahul



Mike



Scenario Setup

- **Name of Company – SQL Authority**
- **Company HQ – USA**
- **Business – Movie Database**
- **2 Offices**
 - US
 - India
- **2 Database Admins**
 - US – Mike
 - India – Rahul
- **Samples Database – sakila, test, world**
 - <https://dev.mysql.com/downloads/>
- **India and US run different business units**

Scenario 1: Business Needs

India and US run separate business units and maintain their own databases.

Every month end India and US have to take the inventory of all the movies rented and pay the royalty to film studios in the USA.



Scenario 1: Backup Single Database

Mike requests Rahul to take backup of sakila database containing film rental activities and send it from India to USA.

Upon receiving the backup file Mike restores the database on server.

Action: Restore Single Database



Scenario 2: Business Needs

India and US run separate business units and maintain their own databases.

Every month end India and US have to take the inventory of all the movies rented and pay the royalty to film studios in the USA.

For audit purposes, it is important to take backup of all the databases on India and USA server and keep at a central location in the USA.

EVERYTHING

Scenario 2: Backup All Databases

Mike requests Rahul to take a backup of all the databases of the server and send it from India to USA.

Upon receiving the backup file Mike restores the database on server.

Action: Restore Multiple Databases



Summary in Sixty Seconds

#1 mssql is a client utility that restores a logical backup

#2 mysqldump command is useful to take a backup and mysql command is useful to restore the backup

#3 For additional backup options related to mysql visit:

<https://dev.mysql.com/doc/refman/5.7/en/mysql-command-options.html>

