



UDS Enterprise needs a Data Base (DB) to store statistics, configuration data and system status in order to work properly. The DB must be available when UDS Server configuration is made. We must indicate the following data:

- User
- Password
- Instance
- Port

UDS Enterprise currently supports MySQL DB in its 5.x. version.

UDS Enterprise DB Backup

The first step to perform UDS Enterprise DB backup is to identify the instance UDS Enterprise is running on.

If you are using the virtual appliance provided by VirtuaCable, the default instance will be called "uds":

```
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| uds |
+-----+
4 rows in set (0.00 sec)
```

Once the DB instance UDS Enterprise is connected to is identified, we will need a user and password with administration rights on that DB.

If you are using the virtual appliance provided by VirtuaCable, the default user and password created for the uds instance are:

- User: uds
- Password: uds

Once these data are collected, we will be ready to perform a backup of UDS Enterprise DB.



Universal Desktop Services

White Paper

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UDS Enterprise Data Base Backup and Restore

To perform DB backup we will execute the following command:

```
mysqldump -u usuario -ppassword --databases instancia > /ruta/nombre_dump.sql
```

Example:

```
root@mysql:/# mysqldump -u uds -puds --databases uds > /tmp/UDS/UDS010314.sql
root@mysql:/# _
```

It is possible to schedule backups to run automatically. The following example shows how to automate backup tasks using cron.

To perform a daily backup, e.g. at 3:30 am, in gzip format and with the date of the day the backup is performed, you must edit the /etc/crontab file and add the following line:

```
30 3 * * * root mysqldump -u uds -puds --databases uds | gzip > /home/uds/$(date +%Y%m%d).sql.gz
```

Tools for logs rotations (for example logrotate) or configure DB backups to be located in an external storage, to avoid running out of space on the MySQL server, may also be very useful.

UDS Enterprise DB Restore

In order to perform a restore of the UDS Enterprise DB we must have the backup file chosen for this purpose. Once we have it located in the MySQL server, we will need the data of the DB instance which we want to recover the backup (instance name, username and password).

Once these data are collected, we will be ready to perform a restore of UDS Enterprise DB.

To perform DB restore we will execute the following command:

```
mysqldump -u usuario -ppassword --databases instancia < /ruta/nombre_dump.sql
```

Example:

```
root@mysql:/tmp/UDS# mysqldump -u uds -puds --databases uds < /tmp/UDS/UDS010314
.sql
-- MySQL dump 10.13  Distrib 5.5.35, for debian-linux-gnu (x86_64)
--
-- Host: localhost    Database: uds
--
-----
-- Server version      5.5.35-0+wheezy1

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8 */;
/*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
/*!40103 SET TIME_ZONE='+00:00' */;
/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
```



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UDS Enterprise Data Base Backup and Restore

Professional support and services

VirtualCable sells UDS Enterprise through a subscription model, including product support and updates in segments based on number of users.

Additionally, VirtualCable offers a broad portfolio of professional services in order to help our partners and clients with UDS Enterprise installation and configuration processes as well as virtualization processes with other platforms.

For more information, visit www.udsenderprise.com or contact us directly via email at sales@udsenderprise.com