

Vsftpd auth with mysql

Written by Syed Asim Abbas

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I wrote this document for vsftpd authentication with mysql

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e-mail:asimabbas31@gmail.com

```
[root@fileserv ~]# cat /etc/redhat-release
CentOS release 5 (Final)
```

```
[root@fileserv ~]# rpm -qa |grep mysql
libdbi-dbd-mysql-0.8.1a-1.2.2
mysql-5.0.22-2.1
mysql-bench-5.0.22-2.1
mysql-devel-5.0.22-2.1
mod_auth_mysql-3.0.0-3.1
mysql-server-5.0.22-2.1
mysql-connector-odbc-3.51.12-2.2
php-mysql-5.1.6-5.el5
```

```
[root@fileserv ~]# rpm -qa |grep vsftpd
vsftpd-2.0.5-10.el5
```

wget

```
http://rpm.pbone.net/index.php3/stat/26/dist/54/size/339076/name/pam_mysql-0.7-0.4.rc1.fc8.src.rpm
```

```
[root@fileserv ~]# rpmbuild --rebuild /tmp/pam_mysql-0.7-0.4.rc1.fc8.src.rpm
Installing /tmp/pam_mysql-0.7-0.4.rc1.fc8.src.rpm
```

```
[root@fileserv ~]# rpm -ivh /usr/src/redhat/RPMS/i386/pam_mysql-0.7-0.4.rc1.i386.rpm
Preparing...      ##### [100%]
 1:pam_mysql      ##### [100%]
```

```
[root@fileserv ~]# mysql
```

Welcome to the MySQL monitor. Commands end with ; or g.

Your MySQL connection id is 2 to server version: 5.0.22

Type 'help;' or 'h' for help. Type 'c' to clear the buffer.

```
mysql>
```

```
mysql> grant all on *.* to root@localhost Identified by "password";
```

```
mysql> create database userdb;
```

```
Query OK, 1 row affected (0.02 sec)
```

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```
mysql> use userdb;
Database changed
mysql> CREATE TABLE users (username varchar (20) NOT NULL, password varchar(20) NOT
NULL, PRIMARY KEY (username));
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> INSERT INTO users (username, password) VALUES ('test3', ENCRYPT('test3'));
```

Now edit vsftpd.conf

```
[root@fileserv ~]# vi /etc/vsftpd/vsftpd.conf
```

```
anonymous_enable=NO
local_enable=YES
write_enable=YES
local_umask=022
nopriv_user=vsftpd
virtual_use_local_privs=YES
guest_enable=YES
user_sub_token=$USER
local_root=/var/$USER
chroot_local_user=YES
hide_ids=YES
guest_username=vsftpd
listen=YES
pam_service_name=vsftpd
userlist_enable=YES
```

Now edit /etc/pam.d/vsftpd

```
auth required pam_mysql.so user=root passwd=password host=localhost db=userdb
table=users
usercolumn=username passwdcolumn=password crypt=1
account required pam_mysql.so user=root passwd=password host=localhost db=userdb
table=users
usercolumn=username passwdcolumn=password crypt=1
```

Note

0 = No encryption. Passwords in database in plaintext. NOT recommended!

1 = Use crypt

2 = Use MySQL PASSWORD() function

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remove everything else from the file

```
[root@fileserv ~]# useradd --home /home/vsftpd -m --shell /bin/false vsftpd
```

```
[root@fileserv ~]# /etc/init.d/vsftpd restart
```

```
Shutting down vsftpd: [FAILED]
```

```
Starting vsftpd for vsftpd: [ OK ]
```

```
[root@fileserv ~]# mkdir /var/test3
```

```
[root@fileserv ~]# chown vsftpd:vsftpd /var/test3/
```

```
[root@fileserv ~]# ftp localhost
```

```
Connected to fileserv.isb.ots.com.
```

```
220 (vsFTPd 2.0.5)
```

```
530 Please login with USER and PASS.
```

```
530 Please login with USER and PASS.
```

```
KERBEROS_V4 rejected as an authentication type
```

```
Name (localhost:root): test3
```

```
331 Please specify the password.
```

```
Password:
```

```
230 Login successful.
```

```
Remote system type is UNIX.
```

```
Using binary mode to transfer files.
```

```
ftp>
```

```
ftp>
```

```
ftp> ls
```

```
227 Entering Passive Mode (127,0,0,1,143,249)
```

```
150 Here comes the directory listing.
```

```
226 Directory send OK.
```

```
ftp> 221 Goodbye.
```