

# KT3 Upload website

Maak lijst met kandidaten in Excel, met alle studenten nummers en verzin/generate wachtwoorden.

Maak een text input file met userid's en passwords (gescheiden door spatie).

Scripts ran on Ubuntu Server VPS

## SFTP restriction

in /etc/ssh/sshd\_config (aan eind toevoegen).

```
Match Group sftp
ForceCommand internal-sftp
ChrootDirectory %h
AllowTCPForwarding no
PermitTunnel no
X11Forwarding no
```

Werkt niet goed - uiteindelijk opgelost met standaard rechten:

```
drwxr-xr-x 14 root root      4096 Jul 26  2020 var/

drwxrwxr-x  9 root  www-data  4096 Nov 30 10:28 www/

drwxr-x--x 78 max   root      4096 Feb  4 21:12 softwaredeveloper/

drwxr-x--x  4 u515  sftp      4096 Feb  5 16:15 u515/
(group root werkt ook)

-rw-rw-r-- 1 u515 sftp        38 Feb  3 19:42 index.php
(group root werkt ook)
```

Note group sftp only needed if ssh restriction are applied

## Readme

```
input file consists out of line with
<userid> <password>
```

```
add users
run addUser.sh <file>
run creatDBUsers.sql file; sudo mysql < createDB Users.sql

remove
run removeUser.sf <file>
go to php myadmin and delete databases and users (no script but easy with gui)
```

## Script add users

```
#!/bin/bash
# Script to add a user to Linux system
# Params <user> <passw> or <file>

DB_FILE=createDBUsers.sql

addThisUser() {
    if [ $(id -u) -eq 0 ]; then

        echo "" >> $DB_FILE

        if [ "$1" == "" ]; then
            read -p "Enter username : " username
        else
            username=$1
        fi
        if [ "$2" == "" ]; then
            read -s -p "Enter password : " password
        else
            password=$2
        fi

        egrep "^$username" /etc/passwd >/dev/null
        if [ $? -eq 0 ]; then
            echo "$username exists!"
            exit 1
        else
            U_HOME=/var/www/softwaredeveloper/$username
            U_GROUP=sftp
```

```

U_SHELL=/bin/bash

pass=$(perl -e 'print crypt($ARGV[0], "password")' $password)

useradd -d $U_HOME -g $U_GROUP -m -s $U_SHELL -p $pass $username
[ $? -eq 0 ] && echo "User $username has been added to system!" || echo "Failed to add a
user!"

chown $username $U_HOME
echo "<?php echo \"welkom $username\"; ?>" > $U_HOME/index.php
chown $username $U_HOME/index.php

echo "" >> $DB_FILE
echo "CREATE USER \"$username\"@\"%\" IDENTIFIED BY '$password';" >> $DB_FILE
echo "ALTER USER \"$username\"@\"%\" REQUIRE NONE;" >> $DB_FILE
echo "CREATE DATABASE IF NOT EXISTS \"$username\";" >> $DB_FILE
echo "GRANT ALL PRIVILEGES ON \"$username\".* TO \"$username\"@\"%\";" >> $DB_FILE

fi
else
    echo "Only root may add a user to the system"
    exit 2
fi
}

# is parameter is file then read input from file <user> Mpassword>
# else read two command line params
if test -f "$1"; then
    while IFS= read -r line
    do
        addThisUser $line
    done < $1
else
    addThisUser $1 $2
fi

```

## script del users

```

#!/bin/bash
# remove user, params <user> or <file>

```

```

removeThisUser() {
    if [ $(id -u) -ne 0 ]; then
        echo "Only root may add a user to the system"
        exit 2
    fi

    if [ "$1" == "" ]; then
        read -p "Enter username : " username
    else
        username=$1
    fi

    if [ $? -eq 0 ]; then
        userdel -r $username
        getent group $username || groupadd $username

        U_HOME=/var/www/softwaredeveloper/$username

        echo "Remove $U_HOME"

    fi
}

# is parameter is file then read input from file <user>
# else read command line params
if test -f "$1"; then
    while IFS= read -r line
    do
        removeThisUser $line
    done < $1
else
    removeThisUser $1 $2
fi

```