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).

Scipts 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 aplied
```

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 dabases 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
```

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