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SVNC Skript

Skript zum Anlegen, Löschen, ... von Subversion Repositories

svnc

```
#!/bin/bash
#####
#####
#
# Wrapper Script for svn command.
#
#####
#####
#
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# Germany
#
#####
#####

SVNBASE="/srv/svn/repos"
SVNEXEC="/usr/bin/svn"
REPOFILE="/srv/www/vhosts/it-service-
huber.de/subdomains/svn/httpdocs/include/repo_list.php"
CONFIGDIR="/srv/svn/config"

interactiveSelectCommands()
{
echo ""
echo " Subversion (SVN) Administration "
echo " ===== "
echo ""

printf " 1 - empty Erstellt leeres Repository in SVN\n"
printf " 2 - project Erstellt neues Projekt in SVN mit
Grundstruktur\n"
printf " 3 - delete Löscht Repository (ACHTUNG! Daten für immer
verloren)\n"
printf " 4 - deltify Deltify\n"
printf " 5 - dump Speicher dump\n"
printf " 6 - load Lade dump\n"
```

```
printf " 7 - info Zeige Repository Infomrationen\n"
printf " 8 - log Zeige Repository Logs\n"
printf " u - adduser Erstelle neuen SVN-Benutzer oder aendere
Passwort\n"

echo ""
echo " q - Abbruch"
echo ""

printf " Auswahl: "
read sel

case $sel in
1|empty) COMMAND="empty"
;;
2|project) COMMAND="project"
;;
3|delete) COMMAND="delete"
;;
4|deltify) COMMAND="deltify"
;;
5|dump) COMMAND="dump"
;;
6|load) COMMAND="load"
;;
7|info) COMMAND="info"
;;
8|log) COMMAND="log"
;;
u|adduser) COMMAND="adduser"
;;
q) exit;
esac

}

getRepo()
{
if [ "$1" = "" ]
then
echo ""
echo " Repository-Auswahl"
echo " ===== "
echo ""

repos=`find $SVNBASE -maxdepth 1 -type d -printf "%f\n"`
cnt=0
```

```
for repo in $repos;
do
if [ "$cnt" = "0" ]
then
repolist[$cnt]=$repo
else
printf " $cnt:\t${repo} \n"
repolist[$cnt]=$repo
fi
((cnt=$cnt+1));
done
```

```
echo ""
echo " q - Abbruch"
echo ""
```

```
printf "\n Auswahl: "
read sel
```

```
if [ "sel" = "q" ]
then
exit;
fi
```

```
REPO=${repolist[$sel]}
# echo "-> $REPO"
# read hallo
fi
}
```

```
createRepo()
{
if [ "$1" = "" ]
then
printf " Repository Name: "
read REPO
else
REPO=$1
fi
```

```
svnadmin create $SVNBASE/$REPO
```

1. kopiere svnserver.conf
cp \$CONFIGDIR/svnserve.conf \$SVNBASE/\$REPO/conf/svnserve.conf
rm \$SVNBASE/\$REPO/conf/authz
rm \$SVNBASE/\$REPO/conf/passwd

```
    printf " Repository Titel: "
    read title
    if [ "$title" = "" ]
    then
        title=$REPO
    fi
    printf "realm = $title">>$SVNBASE/$REPO/conf/svnserve.conf

chown -R svn:svn $SVNBASE/$REPO
}

createStructure()
{
    REPO=$1
    svn co file://$SVNBASE/$REPO /tmp/$REPO --username admin --password
    svn4pwd2
    OldPWD=`pwd`
    cd /tmp
    cd $REPO
    mkdir tags
    mkdir work
    mkdir public
    mkdir work/docs
    mkdir work/source
    touch work/docs/Anforderungen.xls
    svn add *
    svn commit -m "Projekt $REPO angelegt" --username admin --password
    svn4pwd2
    cd ..
    rm -rf $REPO
    cd $OldPWD
}

registerRepo()
{
    REPO=$1

    printf "\$config->addRepository(\"'$title'\",
    \'file://$SVNBASE/$REPO\');\n">> $REPOFILE

    case $COMMAND in
    empty)
        ;;
    project)
        printf "\$config->setMinDownloadLevel(1, \'$title\');\n">> $REPOFILE
        ;;
    esac
```

```
printf "\n">> $REPOFILE

1. rcsvn restart
}

editSvnFiles()
{
mcedit $REPOFILE
mcedit $CONFIGDIR/authz
}

unregisterRepo()
{
printf "Bitte manuell austragen...\n";
}

deleteRepo()
{
REPO=$1

printf " LÖSCHEN bitte mit JA bestätigen: "
read ja
if [ "$ja" = "JA" ]
then
rm -rf $SVNBASE/$REPO
unregisterRepo $REPO
echo " $REPO unwiederruflich gelöscht!"
fi
}

deltifyRepo()
{
REPO=$1
svnadmin deltify -r 0:HEAD $SVNBASE/$REPO
}

dumpRepo()
{
REPO=$1
FILE=$2

if [ "$FILE" = "" ]
then
FILE=$SVNBASE/dump_$REPO
fi
```

```
svnadmin dump "$SVNBASE/$REPO" > "$FILE"
}

loadRepo()
{
REPO=$1
FILE=$2

if [ "$FILE" = "" ]
then
if [ -e "$SVNBASE/dump_$REPO" ]
then
svnadmin load $SVNBASE/$REPO < $SVNBASE/dump_$REPO
else
ls $SVNBASE
printf " Dateinamen bitte angeben: "
read file
printf "\n"
svnadmin load $SVNBASE/$REPO < $SVNBASE/$file
fi
else
svnadmin load $SVNBASE/$REPO < $FILE
fi

}

addUser()
{
USER=$1
PASSWD=$2

if [ "$USER" = "" ]
then
printf " Benutzernamen (Login): "
read USER
fi

if [ "$PASSWD" = "" ]
then
printf " Passwort für \"$USER\": "
read PASSWD
fi

htpasswd2 -b $CONFIGDIR/htusers $USER $PASSWD
echo "$USER =$PASSWD">> $CONFIGDIR/passwd
mcedit $CONFIGDIR/passwd
mcedit $CONFIGDIR/authz
```

```
}

COMMAND=$1

if [ "$COMMAND" = "" ]
then
interactiveSelectCommands
else
shift
fi

REPO=$1
FILE=$2

echo "$COMMAND $REPO $FILE"

case $COMMAND in
empty)
createRepo $REPO
registerRepo $REPO
editSvnFiles
;;
project)
createRepo $REPO
registerRepo $REPO
createStructure $REPO
editSvnFiles
;;
delete)
getRepo $REPO
deleteRepo $REPO
editSvnFiles
;;
deltify)
getRepo $REPO
deltifyRepo $REPO
;;
dump)
getRepo $REPO
shift
dumpRepo $REPO $FILE
;;
load)
getRepo $REPO
shift
loadRepo $REPO $FILE
;;
```

```
info)
getRepo $REPO
svn info svn://localhost/$REPO --username admin --password svn4pwd2
;;
log)
getRepo $REPO
svn log svn://localhost/$REPO --username admin --password svn4pwd2
;;
adduser)
# REPO = Benutzername, FILE = Passwort
addUser $REPO $FILE
;;
esac
```