

Minecraft Server Upgrade Skript

Skript, welches vom mir erstellt wurde, um automatisiert (via cronjob) einen selbst erstellten Minecraft-Server auf aktuellem Stand zu halten; resp. zu Updaten.

Skript Sourcecode

Filename: **update_minecraft-server.sh**

```
#!/bin/bash
#*****
**
# Subject      : update_minecraft-server.sh
# Description  :
# Author       : Michael Reber <michael.r467@gmail.com>
# Created      : 2017.10.17
#*****
**

newest_server_version=$(curl https://minecraft.net/en-us/download/server |
grep
https://s3.amazonaws.com/Minecraft.Download/versions/*/minecraft_server.*.j
ar | cut -d '/' -f6)
in_use_server_version=$(cat /opt/minecraft/logs/latest.log | grep "server
version" | cut -d ' ' -f8)

echo $in_use_server_version
echo $newest_server_version

if [ $in_use_server_version == $newest_server_version ]; then
echo "Server is up to date!"
fi

if [ $in_use_server_version != $newest_server_version ]; then
    echo "SERVER NEEDS UPDATE!"
    new_server_download_link=$(curl
https://minecraft.net/en-us/download/server | grep
https://s3.amazonaws.com/Minecraft.Download/versions/*/minecraft_server.*.j
ar | cut -d '"' -f2)

    cd /opt/minecraft
    #Make Backup of Server
    cp minecraft_server.jar minecraft_server.jar-backup
    cp -r world world-backup

    #Stop Minecraft Server
```

```
server_session=$(screen -ls | grep minecraftd | cut -d '(' -f1)
#screen -X -S 718.minecraftd quit
```

```
rm -f minecraft_server.jar
wget -O minecraft_server.jar $new_server_download_link
chown -R mcuser:mcuser /opt/minecraft
chmod +x /opt/minecraft/minecraft_server.jar
/opt/minecraft/./start_server.sh
```

fi

Steffer's Version

```
#!/bin/bash
```

```
#-----  
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```

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#
```

```
# Subject: minecraft_server_update.sh
```

```
# Description : This Script updates the Minecraft Server to the actual  
version
```

```
# Author: Stefan Gutknecht <stefgu@bluewin.ch>
```

```
# Created: 2019.07.25
```

```
# Version: v0.1
```

```
# Use: You can start this script manually or you can automate it with  
cron/crontab
```

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#
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```
# Changelog:
```

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# -----
```

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#
```

```
# v0.1- Creation of this Script
```

```
#-----  
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```

```
# Define BASH-Color Output
```

```
NORMAL='\e[39m'
```

```
GREEN='\e[32m'
```

```
RED='\e[31m'
```

```
CYAN='\e[36m'
```

```
# Actual Date Variable - Formatted
```

```
datum=$(date +"%Y%m%d")
```

```
# Get the PID of the minecraft process
```

```
screen_process=$(ps -aux | grep minecraftd | grep -v "grep" | awk
```

```
'NR==1{print $2}')

# Define Server Variables for comparing

actual_server_version=$(cat /opt/minecraft/logs/latest.log | grep -e
'server\sversion\s' | cut -d ' ' -f8)
server_version_mojang=$(curl -s
https://www.minecraft.net/de-de/download/server | grep -e
"minecraft_server." | cut -d '.' -f5-7 | grep -v "jar")

if [ $actual_server_version = $server_version_mojang ]; then
echo -e "$GREEN Aktuell keine neue Server-Version verfuegbar $NORMAL - $CYAN
Nothing to do $NORMAL"
fi

if [ $actual_server_version != $server_version_mojang ]; then
echo -e "$RED Update available $NORMAL - $CYAN Will make the necessary Steps
... $NORMAL"

# Kill the minecraft process
kill -9 $screen_process 2>/dev/null
fail_code=$(echo "$?")
if [ $? == 0 ]; then
echo -e "$GREEN R.I.P - Screen Process$NORMAL"
else
echo -e "$RED Something went wrong - couldn't kill the process$NORMAL"
echo "$fail_code"
exit 0
fi
# Backup the minecraft_server.jar File
echo "Backup Server-Jar-File /opt/minecraft/minecraft_server.jar to
$CYAN/opt/minecraft/backup/jar/*$NORMAL"
echo -ne 'x-----x (33%)\r'
cp --preserve=mode,ownership /opt/minecraft/minecraft_server.jar
/opt/minecraft/backup/jar/minecraft_server.jar.$datum
sleep 0.5
echo -ne 'x-----x (66%)\r'
sleep 0.5
echo -ne 'x-----x (100%)\r'
echo -ne '\n'

# Backup the minecraft world directory
echo "Backup the world directory /opt/minecraft/ to
$CYAN/opt/minecraft/backup/world/*$NORMAL"
echo -ne 'x-----x (33%)\r'
tar -czf /opt/minecraft/backup/world/world_$datum.tar.gz
/opt/minecraft/world/
sleep 0.5
echo -ne 'x-----x (66%)\r'
sleep 0.5
echo -ne 'x-----x (100%)\r'
```

```
echo -ne '\n'

# Download the new minecraft_server and set permissions
download_link=$(curl -s https://www.minecraft.net/de-de/download/server |
grep -e '<a href=' | grep 'launcher' | cut -d '"' -f2)
echo -e "$CYANGoing to download the new version$NORMAL"
wget -O /opt/minecraft/server.jar $download_link
rm -f /opt/minecraft/minecraft_server.jar
mv /opt/minecraft/server.jar /opt/minecraft/minecraft_server.jar
echo -e "$CYAN Adapting the permissions$NORMAL"
chown mcuser:mcuser /opt/minecraft
chmod +x /opt/minecraft/minecraft_server.jar
rm -f /opt/minecraft/server.jar

# Start the new minecraft server
echo -e "$RED Starting the Minecraft Server$NORMAL"
echo -ne 'x-----x                (33%)\r'
sudo -u mcuser /opt/minecraft/start_minecraft_server.sh
sleep 0.5
echo -ne 'x-----x                (66%)\r'
sleep 0.5
echo -ne 'x-----x                (100%)\r'
echo -ne '\n'

# Removing old unnecessary Backups - older than 180 days
echo -e "$CYAN Going to remove old Backups$NORMAL"
find /opt/minecraft/backup/ -type f -mtime +180 -exec rm -f {} \;
fi
exit 0
```

Last update: **2019/07/25 13:30**