

Script endlessly looping

Source: <http://unix.derkeiler.com/Newsgroups/comp.unix.shell/2006-01/msg00150.html>

- *From:* jsciba@xxxxxxxxxxxxx
 - *Date:* 5 Jan 2006 11:43:36 -0800
-

The following script has a loop that executes ftp to look for a trigger file on a remote server. If the file is found, the loop breaks and another ftp is done to retrieve a zipped data file. It deletes the trigger file and renames the data file on the remote server. Then the script copies and unzips the data file. Finally, it removes the zipped file and the trigger file from the local server. This works 99% of the time flawlessly. But the last several days, the script performs all its tasks and then starts executing the loop again. It has to be killed manually. The script is executed by Informatica as a pre-session script.

Can anyone spot a problem?

```
#!/bin/ksh

ftp_rc=0;export ftp_rc
rcnt=0;export rcnt

etlData='/vc/extract/MrkFncl';export etlData
etlArch='/vc/extract/MrkFncl/archive';export etlArch
etlLogs='/vc/extract/MrkFncl/logs';export etlLogs
shdir='/vc/extract/MrkFncl/scripts';export shdir
cd $etlData

#
*****
# * Function to get files from ftp server
*
#
*****

function GetData
{
ftp -v -n 999.999.99.9 <<EOF > $etlLogs/UKGetLog.log << not real
IP
user xxxxxxxx xxxxxxxx << not real
login
```

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```
type binary
del mrsukext.bak
del mrsuktrg.rec
get mrsukext.rec
ren mrsukext.rec mrsukext.bak
quit
EOF
ftp_rc=$?
}

#
*****
# * Check for trigger file on ftp server
*
#
*****

function CheckTrigger
{
ftp -v -n 999.999.99.9 <<EOF > $SetlLogs/UKGetLog.log << not real
IP
user xxxxxxxx xxxxxxxx << not real
login
type binary
get mrsuktrg.rec
quit
EOF
ftp_rc=$?
}

#
*****
# * Function to check log file for successful login
*
#
*****

function CheckLogFile
{
export FailCode=`grep -c "logged in" $SetlLogs/UKGetLog.log`

if [[ $FailCode = 0 ]]
then
exit 3
fi
}

#
*****
# * Function to check for the trigger file
```

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```
*
# * If file doesn't exists, process sleeps for 600 seconds and trys
again*
#
*****

until false
do
CheckTrigger

if [ -f $etlData/mrsuktrg.rec ]
then
break
fi

sleep 600
done

#
*****

# * Function to get the data file
*
#
*****

GetData

CheckLogFile

#
*****

# * Function to copy the data file to backup
*
# * Function to unzip the data file
*
#
*****

cp mrsukext.rec $etlArch/mrsukext.rec_`date '+%m%d%y%H%M'`

unzip -p mrsukext.rec > $etlData/mrsukext.dat

rm mrsukext.rec
rm mrsuktrg.rec

exit $retcode
.
```

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- *Follow-Ups:*
 - ◆ **Re: Script endlessly looping**
 - ◇ *From:* Chris F.A. Johnson
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