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n) Make a memory utilization check script on linux host, and if it's lower than I as throw on error " minimum of IGB RAM is required. Verify exit code with help of; echo\$

there is a bash script that performs a memory utilization check on a linux host and throws an error if the available memory is lower than 1 GB.

#! [bigo [bash MEM-TOTAL = & Cgrep MemTotal/proc/mem infolawk ¿ print \$23').

MEM_AVAIL= \$ [grep Mem Available / Proc/meminfo | awk

H [& ((MEM-AVAIL/1024)) - It 1024]; then echo " minimum of IGB RAM is required." enit 1

Else echo Memory check passed,

enit.o

you can virify the enit code of the script by running it and checking the value of \$7. after the script has completed. bash ·/ memory - check.sh echo \$9 If the memory check passes, the exit code will be o, indicating success. if the memory check fails, the exit code will be i, indicating failure. 2) Bash script that performs backups of specified and a database, with the following feartures. · configurable backup directory, list of directories to backup, database name, and database user.

- - · Archives and compresses the files using 'tar'.
 - · Domps and archives the database using "mysgldump" and 'tar'.
 - Adds a date tag to the backup files.
 - Makes separate daily and weekly backups
 - Rotates the backups, kerping only the last 7 daily backups & 4 weekly backups.

configuration parameters. BACKUP_DIR = (path / to / backup/ directory DIRECTORIES_TO_BACKUP = (/ path / to/ dire/path/to/ dir 2) DATABASE_NAME = database_name DATABASE - USER = database . user-# Date. PATE-TAG = \$ (date + 1.7 - 1/2 m - 1/2 d) # weekly backup flag. IS-WEEKLY = false. # check if weekly backup. if [" \$ [date + % u) '- eq 7]; then IS-WEEKLY = true fi # backup function. backup() { local dir-to-backup= \$1

creating tar.

tar - czf \$ target-file \$ dirs-to-backup.

local target-file=\$2

check if the backup was successful. if [\$?-ne o]; then echo " Backup of \$ dir-to-backup failed," cait 1 fi # Backup the directories. for dir in \$ { PIRECTORIES_TO-BACKUP[A]}; do backup \$ dir \$ Backup-D2R/\$ PATE-TAG-\$ (base name \$ dir). tar. 97 done.

Backup database.

my sal domp - u \$ DATABASE - USER - P \$ DATABASE NAME 9zip > \$ BACKUP - DIR | \$ DATE TAG - \$ DATABASE.

check if the backup was successful.

if [\$? -ne o]; then

echo " Backup of database & PATABASE_NAME foil

enit 1

fi

Remove old backups

find \$ BACKUP_DIR - type f\(-name * + . tar.gz *-o

-name * + . sql.gz 1) - mtime + 7

Rmove old weekly backups, it this is not a weekly backup.

if [" \$ 15- MEEKLY' = false]; thin

find \$ BACKUP-DIR-type f \ (-name

" + - week * tar, gz" -0 -name " - week , sqlg2)

fi'

Add the backup script to crontab

echo" 00 * * * / path/to/backup-script.sh/

crontab-