

Scripting

gvlog2em: Email GhettoVCB Logs via Windows Schedule Task and SMTP

We developed the attached Windows batch file for use with VMware and ghettoVCB. When used in conjunction with ghettoVCB's log file, it will:

1. Pull the logfile out of your ESXi datastore using WGET.EXE.
2. Detect if:
 - a. There is a "Final status: ERROR" message in the log (error condition).
 - b. The backup process ran with no errors.
 - c. The backup log contained neither a good or bad backup indication (blank/empty file handling).
3. After checking the above, the script will e-mail you the log file/result using BLAT.EXE mailer. It will clearly tell you in the subject if the backup was successful or not. If your logfile does not exist (job never ran) it sends an e-mail alerting you to this as well.
4. After e-mailing, the logs are rotated and the script will keep up to 6 backups of past logs should you need to trace an older backup. The filenames will be "Backup1.log" - "Backup6.log". "Backup1.log" being the newest backup log rotated, and "Backup6.log" being the oldest.

gvlog2em Installation and Setup Instructions:

- Ensure that your ghettoVCB command line (cronjob) redirects to the same logfile using ">", if you use "-L" or ">>" you are appending to the same file.

Enter the following in /etc/rc.local.d/local.sh (for ESXi 6+):

```
/bin/kill $(cat /var/run/crond.pid)
/bin/echo "0 5 * * 2-7 /vmfs/volumes/datastore1/ghettoVCB/ghettoVCB.sh -a > /vmfs/volumes/ghettoVCB/Logs/backup.log" >> /var/spool/cron/crontabs/root
/usr/lib/vmware/busybox/bin/busybox crond
```

- [Download the gvLog2Em package here](#). Extract to a folder/directory of your choosing.
- Edit the environment variables in **gvlog2em.bat** to match your environment.

Note: Make sure NOT to use quotations (even for long file paths) in defining variables. Also make sure there are NO SPACES between the variable and the string "var=string".

```
set usewget=1      <-- Use WGET.EXE to pull the LOG file? If 0/no then we just parse
and rotate.
set vmwserver=192.168.100.201  <-- Your server IP
set vmwroot=root    <-- root or user with access to browse datastores over HTTPS
set vmwrootpw=rootpassword
set logvmwdstore=datastore2    <-- Logfile datastore
set logvmwpath=/VMBackups/Logs/backup.log    <-- Path to logfile on datastore above
set progpath=c:\gvlog2em    <-- The path to BLAT.EXE mailer & WGET.EXE / local or n
etwork
set logpath=c:\gvlog2em\log    <-- The path to your logfiles (or to store them usi
ng WGET.EXE) / local or network
set logfile=backup.log <-- The name of your logfile (cosmetic if using WGET)
set tempopath=%temp% <-- Writable path to store temp mailbody text file. Usually you
can leave it as-is.
set emailfrom=vmware@yourdomain.com <-- Backup log "From" email address.
set emailto=you@yourdomain.com <-- Backup log "To" email address.
set emailsmtp=mail.yourdomain.com <-- Your SMTP server
set emailport=25 <-- Your SMTP ports
set emailauth=1 <-- 1 = on, 0 = off
set emailauthu=username <-- SMTP auth username
```

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```
set emailauthp=password <-- SMTP auth password
set esxiserver=myesxi.yourdomain.com <-- The name of your ESX(i) server, used in SU
BJECT line (cosmetic).
```

- Make sure the Windows machine running this script has read, write and execute access to the logfile path (usually a local path)
- Test the operation of the script/batch in your environment, checking for errors in the console output.
- Once confirmed working, schedule a Windows task to run after your ghettoVCB backup. (I use an XP virtual machine running on my ESXi server).

Tip: To enable logging of the batch file so you can troubleshoot your automated process, simply redirect it to a file when scheduling the automated task (after interactive testing), like this: `gvlog2em.bat > \\computer\share\path\gvlog2em.log` or really get nuts and put a date stamp at the end: `gvlog2em.bat > \\computer\share\path\gvlog2em_%date:~12,2%-_%date:~4,2%-_%date:~7,2%.log`

How we use it:

- Run a LOCAL cronjob on the ESXi server calling William Lam's ghettoVCB.sh
- Scheduled a Windows task to run the script 6 hours after my ghettoVCB backup (mine takes approx 2 hours to complete).

Current uses:

- VMware ESXi 4/5/6+
- ghettoVCB.sh (latest) running locally within ESXi via rc.local injection cronjob.

Changelog:

1.00 - Final Release

0.99 - Redesigned functionality; added log pulling functionality to the script. 0.95 (3) - Added WGET instructions, program and sample batch file to pull log directly from datastore, via VMware web datastore browser. 0.95 (2) - Fixed minor issue with feature introduced in 0.95, where the log would not be included if error or success conditions were not found.

0.95 - Handling of blank log files that do not indicate good or bad backup - will send an error message email. Usually blank logs are due to ghettoVCB version issues.

0.94 - Better handling of non-existent/offline NFS systems/logpath shares. Changed failure email body bug that would not send an error e-mail if the logpath was not found. New variable introduced "tempvar". See revision in the parameters section of the installation tutorial above.

0.93 - Minor cosmetic changes.

0.92 - Changed find behavior to look for final status error messages only, so that NFS sleep errors are not reported for successful backups.

0.91 - Added SMTP high priority flag to BLAT.EXE command line for unsuccessful backups. Successful backups are sent with the normal priority.

0.90 - Initial Release 5/11/2010

ERROR: Could not find the BLAT.EXE mailer at ..ERROR: Without BLAT.EXE I can't continue!

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