

OpenNebula - Bug #326

tm_ssh removes \${ONE_LOCATION}/var

08/24/2010 10:23 AM - Martin Kopta

Status: Closed	Start date: 08/24/2010
Priority: Normal	Due date:
Assignee:	% Done: 100%
Category:	Estimated time: 0.00 hour
Target version:	
Resolution: fixed	Pull request:
Affected Versions:	

Description

Hello, I just tried to fetch, build and run latest checkout of OpenNebula 2.0 from git. When I try to deploy a VM, something from CLI or OCA removes \${ONE_LOCATION}/var directory, which contains all logs and daemon pids.

This is how I download, compile and install Opennebula:

```
bash-4.1$ git branch
  master
* one-2.0
-bash-4.1$ git pull
Already up-to-date.
-bash-4.1$ scons mysql=yes -j8
...
-bash-4.1$ echo $?
0
-bash-4.1$ whoami
one
-bash-4.1$ pwd
/home/one/one.git
-bash-4.1$ /sbin/rm -rf ~/local
-bash-4.1$ mkdir ~/local
-bash-4.1$ ./install.sh -d ~/local
```

I prepared rm wrapper:

```
-bash-4.1$ cat > ~/local/bin/rm <<EOF
#!/bin/bash
echo "$@" >> /tmp/rmlog
/bin/rm "$@"
EOF
-bash-4.1$ chmod +x ~/local/bin/rm
-bash-4.1$ echo $PATH
/home/one/local/bin:/home/one/lo/bin:/bin:/usr/bin:/sbin:/usr/sbin:/usr/local/bin
```

This is exact content of my ~/local/etc/oned.conf:

```
VM_POLLING_INTERVAL = 600
VM_DIR=/home/one/vms
PORT=2633
```

```

DB = [ backend = "mysql",
       server = "localhost",
       user = "oneadmin",
       passwd = "censored",
       db_name = "opennebula" ]
VNC_BASE_PORT = 5000
DEBUG_LEVEL=3
NETWORK_SIZE = 254
MAC_PREFIX = "02:00"
IMAGE_REPOSITORY_PATH = /home/one/repository
DEFAULT_IMAGE_TYPE = "OS"
DEFAULT_DEVICE_PREFIX = "hd"
IM_MAD = [
  name = "im_kvm",
  executable = "one_im_ssh",
  arguments = "im_kvm/im_kvm.conf" ]
VM_MAD = [
  name = "vmm_kvm",
  executable = "one_vmm_kvm",
  default = "vmm_kvm/vmm_kvm.conf",
  type = "kvm" ]
TM_MAD = [
  name = "tm_ssh",
  executable = "one_tm",
  arguments = "tm_ssh/tm_ssh.conf" ]
HM_MAD = [
  executable = "one_hm" ]

```

I cleaned up the DB to be sure:

```

# echo 'drop database opennebula;' | mysql -u root -p
Enter password:
#

```

And now, this is the problem:

```

-bash-4.1$ one start
oned and scheduler started
-bash-4.1$ ls ~/local/var
oned.log oned.pid sched.log sched.pid
-bash-4.1$ onehost create tchitchi im_kvm vmm_kvm tm_ssh
-bash-4.1$ onevnet create ~/templates/net.lan1
-bash-4.1$ onehost show 0 | grep STATE
STATE          : MONITORED
-bash-4.1$ > /tmp/rmlog
-bash-4.1$ onevm submit ~/templates/vm.ubuntu
-bash-4.1$ onevm show 0 | grep STATE
STATE          : ACTIVE
LCM_STATE      : PROLOG
-bash-4.1$ onevm show 0 | grep STATE
STATE          : FAILED

```

```
LCM_STATE : LCM_INIT
-bash-4.1$ ls ~/local/var
ls: cannot access /home/one/local/var: No such file or directory
-bash-4.1$ cat /tmp/rmlog
-rf /home/one/local//var/
-bash-4.1$
```

Obviously, something deleted `/${ONE_LOCATION}/var` directory which should NOT happen. If you need more info for this issue, I gladly help.

Associated revisions

Revision `f59095c6` - 08/26/2010 03:41 PM - Jaime Melis

Modified AWK path (#326)

History

#1 - 08/24/2010 11:15 AM - Martin Kopta

I placed some probes into `lib/tm_commands/ssh/tm_*` and the bad one is `tm_context.sh`:

```
-bash-4.1$ cat /tmp/onelog
tm_context.sh: rm -rf /home/one/local//var/
```

So I placed some more probes into `tm_context.sh` and I have got:

```
-bash-4.1$ cat /tmp/onelog
tm_context.sh: DST_PATH = /home/one/vms/4/images/disk.1
tm_context.sh: DST_DIR = /home/one/vms/4/images
tm_context.sh: DST_FILE = disk.1
tm_context.sh: DST = tchitchi:/home/one/vms/4/images/disk.1
tm_context.sh: MD5SUM = /usr/bin/md5sum
tm_context.sh: AWK = /usr/bin/awk
tm_context.sh: DST_HASH =
tm_context.sh: TMP_DIR = /home/one/local//var/
tm_context.sh: ISO_DIR = /home/one/local//var//isofiles
tm_context.sh: rm -rf /home/one/local//var
```

The problem is caused by unset `DST_HASH`, which is caused by missing `AWK`:

```
-bash-4.1$ /usr/bin/awk
-bash: /usr/bin/awk: No such file or directory
-bash-4.1$ which awk
/bin/awk
```

Proposed patch:

```

diff --git a/src/tm_mad/tm_common.sh b/src/tm_mad/tm_common.sh
index 5caba58..df904ad 100644
--- a/src/tm_mad/tm_common.sh
+++ b/src/tm_mad/tm_common.sh
@@ -23,7 +23,7 @@ else
fi

# Paths for utilities
-AWK=/usr/bin/awk
+AWK=$(which awk)
BASH=/bin/bash
DATE=/bin/date
DD=/bin/dd

```

Or the awk could be thrown away since its pretty overkill here.

```

diff --git a/src/tm_mad/ssh/tm_context.sh b/src/tm_mad/ssh/tm_context.sh
index b420be3..c20b300 100755
--- a/src/tm_mad/ssh/tm_context.sh
+++ b/src/tm_mad/ssh/tm_context.sh
@@ -41,7 +41,7 @@ fi
DST_PATH=`arg_path $DST`
DST_DIR=`dirname $DST_PATH`
DST_FILE=`basename $DST_PATH`
-DST_HASH=`echo -n $DST | $MD5SUM | $AWK '{print $1}'`
+DST_HASH=`echo -n $DST | $MD5SUM | $CUT -d" " -f1`
TMP_DIR="$ONE_LOCATION/var/$DST_HASH"
ISO_DIR="$TMP_DIR/isofiles"

```

```

diff --git a/src/tm_mad/tm_common.sh b/src/tm_mad/tm_common.sh
index 5caba58..f443c01 100644
--- a/src/tm_mad/tm_common.sh
+++ b/src/tm_mad/tm_common.sh
@@ -24,6 +24,7 @@ fi

# Paths for utilities
AWK=/usr/bin/awk
+CUT=$(which cut)
BASH=/bin/bash
DATE=/bin/date
DD=/bin/dd

```

Program cut is part of coreutils and it is also much smaller and does not have bazillions dialects.

Thank you,
Martin Kopta

#2 - 08/26/2010 05:46 PM - Jaime Melis

- Priority changed from High to Normal

- % Done changed from 0 to 100

- Resolution set to fixed

Thanks for reporting the bug and proposing the solution. What I did was to remove awk's default path, since it varies from distro to distro. In case someone does not have 'awk' in their path they can modify `$ONE_LOCATION/lib/mads/tm_common.sh` and set it there, adapted to their distribution.

#3 - 08/26/2010 06:22 PM - Jaime Melis

- Status changed from New to Closed