

OpenNebula - Bug #312

useless fix_paths

08/11/2010 03:18 PM - Martin Kopta

Status:	Closed	Start date:	08/11/2010
Priority:	Normal	Due date:	
Assignee:	Javi Fontan	% Done:	0%
Category:	Drivers - Auth	Estimated time:	0.00 hour
Target version:		Pull request:	
Resolution:	fixed		
Affected Versions:			

Description

Fetches one-2.0 branch, compiled, installed into \$HOME/local. Deploying didn't work. Log oned.log says

```
# following two lines are mine debug messages
```

```
Wed Aug 11 15:01:00 2010 [TM][D]: Message received: LOG - 3 ONE_LOCATION: /var/lib/one/local/
```

```
Wed Aug 11 15:01:00 2010 [TM][D]: Message received: LOG - 3 TMCOMMON: /var/lib/one/local//lib/mads/tm_common.sh
```

```
Wed Aug 11 15:01:00 2010 [TM][D]: Message received: LOG - 3 tm_clone.sh: censored:/storage/images/ubuntu/ubuntu.raw  
censored:/storage/vms/3/images/disk.0
```

```
Wed Aug 11 15:01:00 2010 [TM][D]: Message received: LOG - 3 tm_clone.sh: DST: /var/lib/one/local//var/3/images/disk.0
```

```
Wed Aug 11 15:01:00 2010 [TM][D]: Message received: LOG - 3 tm_clone.sh: Creating directory  
/var/lib/one/local//var/3/images
```

```
Wed Aug 11 15:01:00 2010 [TM][D]: Message received: LOG - 3 tm_clone.sh: Executed "mkdir -p  
/var/lib/one/local//var/3/images".
```

```
Wed Aug 11 15:01:00 2010 [TM][D]: Message received: LOG - 3 tm_clone.sh: Executed "chmod a+w  
/var/lib/one/local//var/3/images".
```

```
Wed Aug 11 15:01:00 2010 [TM][D]: Message received: LOG - 3 tm_clone.sh: Cloning /storage/images/ubuntu/ubuntu.raw
```

```
Wed Aug 11 15:01:00 2010 [TM][D]: Message received: LOG - 3 tm_clone.sh: Executed "cp  
/storage/images/ubuntu/ubuntu.raw /var/lib/one/local//var/3/images/disk.0".
```

```
Wed Aug 11 15:01:00 2010 [TM][D]: Message received: LOG - 3 tm_clone.sh: Executed "chmod a+w  
/var/lib/one/local//var/3/images/disk.0".
```

```
Wed Aug 11 15:01:00 2010 [TM][D]: Message received: LOG - 3 tm_context.sh: Executed "mkdir -p  
/var/lib/one/local//var/3/images/isofiles".
```

```
Wed Aug 11 15:01:00 2010 [TM][D]: Message received: LOG - 3 tm_context.sh: Executed "cp -R  
/var/lib/one/local/var/3/context.sh /var/lib/one/local//var/3/images/isofiles".
```

```
Wed Aug 11 15:01:00 2010 [TM][D]: Message received: LOG - 3 tm_context.sh: Executed "cp -R  
/storage/context/ubuntu/init.sh /var/lib/one/local//var/3/images/isofiles".
```

```
Wed Aug 11 15:01:00 2010 [TM][D]: Message received: LOG - 3 tm_context.sh: Executed "cp -R /storage/context/id_rsa.pub  
/var/lib/one/local//var/3/images/isofiles".
```

```
Wed Aug 11 15:01:00 2010 [TM][D]: Message received: LOG - 3 tm_context.sh: Executed "mkisofs -o  
/var/lib/one/local//var/3/images/disk.1 -J -R /var/lib/one/local//var/3/images/isofiles".
```

```
Wed Aug 11 15:01:00 2010 [TM][D]: Message received: LOG - 3 tm_context.sh: Executed "rm -rf  
/var/lib/one/local//var/3/images/isofiles".
```

```
Wed Aug 11 15:01:00 2010 [TM][D]: Message received: TRANSFER SUCCESS 3 -
```

```
Wed Aug 11 15:01:01 2010 [VMM][D]: Message received: LOG - 3 Command execution fail: 'mkdir -p /storage/vms/3/images  
&& cat > /storage/vms/3/images/deployment.0 && virsh --connect qemu:///system create /storage/vms/3/images/deployment.0'
```

```
Wed Aug 11 15:01:01 2010 [VMM][D]: Message received: LOG - 3 STDERR follows.
```

```
Wed Aug 11 15:01:01 2010 [VMM][D]: Message received: LOG - 3 error: Failed to create domain from  
/storage/vms/3/images/deployment.0
```

```
Wed Aug 11 15:01:01 2010 [VMM][D]: Message received: LOG - 3 error: cannot set ownership on  
/storage/vms/3/images/disk.0: No such file or directory
```

I commented out fix_* function calls from \$ONELOCATION/lib/tm_commands/nfs/*. Works now. Are fix_* functions from tm_common.sh still needed for something?

Associated revisions

Revision 9af844e5 - 09/10/2010 02:44 PM - Javi Fontan

bug #312: changes to fix_path in nfs tm commands

Revision fd8b1db0 - 09/15/2010 12:28 PM - Javi Fontan

Bug #312: fix_paths is only run if VMDIR and VAR dir are different

Revision c931f643 - 05/24/2017 03:50 PM - Javi Fontan

Merge pull request #312 from vholer/bug-5144

Bug 5144 - fs/snap_* BRIDGE_LIST, fixes

History

#1 - 08/13/2010 12:52 PM - Jaime Melis

- Status changed from New to Closed
- Resolution set to worksforme

The fix_* functions are essential. I think it's not working for you because a wrong configuration of the VM_DIR file.

#2 - 08/16/2010 11:20 AM - Martin Kopta

My VM_DIR path is set to

```
VM_DIR=/storage/vms
```

Can somebody explain me please, why is this code so essential?

```
function fix_paths
{
    if [ -n "$VMDIR" ]; then
        SRC_PATH=${SRC_PATH/$VMDIR/$ONE_LOCAL_VAR}
        DST_PATH=${DST_PATH/$VMDIR/$ONE_LOCAL_VAR}
    fi
}
```

It does replace VMDIR with something ONE var directory. What for is VM_DIR then, when it is replaced like that. I just don't get it.

#3 - 08/30/2010 11:28 AM - Martin Kopta

I compiled latest checkout of one-2.0 from git and I was confused by some errors like

```
/var/oned.log:230:Mon Aug 30 11:13:27 2010 [VMM][D]: Message received: LOG - 31 error: monitor socket did not show up.: Connection refused
```

After looking into the log of `/var/log/libvirt/qemu/one-30.log` I found

```
qemu: could not open disk image /storage/vms/31/images/disk.0: No such file or directory
```

Of course, the problem was AGAIN those `fix_*` function. After removing them from `tm_commands/nfs/tm_*`, my VM runs flawlessly. I am sorry, but I am unable to see those `fix_*` functions useful. They are just causing trouble to me.

#4 - 08/30/2010 12:28 PM - Javi Fontan

When `VM_DIR` is defined the core refers to VM directories using that directory instead of `$ONE_LOCATION`. That dir is where the files are or are going to be in the physical host. When using SSH drivers that paths are correct, there is the path where we want to clone the image, or where is the image we want to delete, for example. When we are using NFS shared directory we want to do all those actions locally as they will be faster and will be automatically reflected in the remote hosts (supposing the frontend is the NFS server).

I think your case is something like this:

```
FRONTEND
[/var/lib/one/local/var]
|
| NFS
|
NODE
[/storage/vms]
```

Paths in brackets is where the images are going to be stored and are share using NFS, that is, the node will have mounted the directory that the frontend sees as `/var/lib/one/local/var` in `/storage/vms`.

To clone the machine the TM (transfer manager) will get a command similar to this:

```
CLONE from censored:/storage/images/ubuntu/ubuntu.raw to censored:/storage/vms/3/images/disk.0
```

`fix_paths` command changes `$VM_DIR` to `$ONE_LOCATION` as the copy will be done locally. First parameter (the one for `ubuntu.raw`) will not be changed as it does not contain `$VM_DIR` (`/storage/vms`) but the second one (`disk.0`) will be changed to `/var/lib/one/local/var/3/images/disk.0`. Now that we have paths translated to frontend paths we can do the copy locally.

If everything is configured correctly all files in the frontend path `/var/lib/one/local/var` will be accessible at `/storage/vms` in the nodes and everything should work nicely.

#5 - 09/08/2010 12:44 AM - Ruben S. Montero

- Status changed from Closed to Assigned
- Resolution deleted (worksforme)

OpenNebula 2.0 writes its configuration under `$ONE_LOCATION/var/config`. Whether a custom `VMDIR` is defined or not, now the TM scripts always will find a `VMDIR` variable. This makes TM scripts not to properly "fix" the paths. Example:

/srv/cloud/one/var/25/disk.0

is "fixed" as

/srv/cloud/one/var25/disk.0

#6 - 09/15/2010 02:31 PM - Javi Fontan

- Status changed from Assigned to 3

- Resolution set to fixed

#7 - 10/04/2011 01:37 PM - Ruben S. Montero

- Status changed from 3 to Closed