

[Rocks-Discuss] module environment roll on compute nodes

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Thu Jan 26 12:29:20 PST 2012

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Hi,
Finally my problem solved, It caused by modulepath! i add these commands to
init/bash of module environment on all compute nodes:
MODULEPATH=\$MODULEPATH:/share/apps/modules/modulefiles
export MODULEPATH
Thank you very much for all your help.
Regards.

On Wed, Jan 4, 2012 at 9:20 PM, Ali Nazemian <[alinazemian at gmail.com](mailto:alinazemian@gmail.com)> wrote:

```
> Actually i installed its roll, it totally works when you want to run it on
> a single machine but when you want to run that in parallel or in job script
> this problem showed up.
> First i had a problem with setting /share/apps/modules/modulefiles as a
> directory for reading module files, i found out that i should change
> MODULEPATH environment variable, so i add this variable in /etc/profile and
> it works for single machine. after that now i have a problem with running
> them inside job script as i told.
> Regards.
>
> On Wed, Jan 4, 2012 at 12:16 PM, Patrick Begou <Patrick.Begou at hmg.inpg.fr> wrote:
>
>> On my cluster it works out of the box. Is it properly installed ? Module
>> environment is not in the default config.
>>
>> I've run:
>> yum localinstall environment-modules-3.2.7b-7.el5.x86_64.rpm
>> cp environment-modules-3.2.7b-7.el5.x86_64.rpm
>> /export/rocks/install/contrib/5.4/x86_64/RPMS/.
>>
>> create my module files /usr/share/Modules/modulefiles/intel-cc/10.1.018
>> and
>> /usr/share/Modules/modulefiles/intel-fc/10.1.018 on the frontend
>>
>> in /export/rocks/install/site-profiles/5.4/nodes/extend-compute.xml add:
>> <package>environment-modules</package>
>>
>> in /var/411/Files.mk add my modules files
>> FILES += /usr/share/Modules/modulefiles/intel-cc/10.1.018
>> FILES += /usr/share/Modules/modulefiles/intel-fc/10.1.018
>>
>> make -C /var/411 force
>> cd /export/rocks/install/
>> rocks create distro
>> ssh-agent $SHELL
>> ssh-add
>> rocks run host compute '/boot/kickstart/cluster-kickstart-pxe'
>>
```

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>> With my batch scheduler (it is not SGE but OAR **http://oar.imag.fr/) I
>> can load
>> the modules.
>>
>> Patrick
>>
>>
>> Ali Nazemian a écrit :
>> > I did that but the problem still exist and i couldnt load module files
>> via
>> > job script.
>> >
>> > On Tue, Jan 3, 2012 at 10:37 AM, Patrick Begou<
>> Patrick.Begou at hmg.inpg.fr>wrote:
>> >
>> >> I've frequently seen this problem. In my mind, this is because
>> >> "module" is
>> >> a function defined in /usr/share/Modules/init/bash and is not
>> >> exported. I
>> >> solve it with adding an export command for the module function in
>> >> /usr/share/Modules/init/bash just after its definition:
>> >>
>> >> Added line n° 3 in /usr/share/Modules/init/bash:
>> >> 1
>> >> 2 module() { eval `/usr/bin/modulecmd bash $*`; }
>> >> 3 export -f module
>> >> 4
>> >> 5 MODULESHOME=/usr/share/Modules
>> >> 6 .....
>> >>
>> >> Patrick
>> >>
>> >> Ali Nazemian a écrit :
>> >>
>> >> Hi,
>> >>> Fist of all, Happy New Year, wish the best for all of you in this
>> >> year and
>> >>> hope the world does not end at 2012!
>> >>> I have a strange problem with module environment roll on compute
>> >> nodes. I
>> >>> set to load module files from /app/share/modules. it totally works on
>> >>> frontend, but when i try to run a job it seems that the module files
>> >> can
>> >>> not load on compute nodes. For example assume i want to submit a
>> >> gromacs
>> >>> job, so i should load mpi module and gromacs module in sge script
>> >> file,
>> >>> when i did that i got command not found at output of job script so i
>> >>> checked and found out that module file didnt load on compute nodes.
>> >>> strange
>> >>> thing is that i can ssh to compute nodes and load module files
>> >>> successfully
>> >>> but inside job script it failed to load.
>> >>> Best Regards.
>> >>>
>> >>>
>> >> --
>> >> =====**=====**=====
>> >> | Equipe M.O.S.T. | http://most.hmg.inpg.fr |
>> >> | Patrick BEGOU | ----- |
>> >> | LEGI | mailto:Patrick.Begou at hmg.inpg.**fr<
>> >> Patrick.Begou at hmg.inpg.fr>|
>> >> | BP 53 X | Tel 04 76 82 51 35 |
>> >> | 38041 GRENOBLE CEDEX | Fax 04 76 82 52 71 |

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>> =====
>> | Equipe M.O.S.T.      | http://most.hmg.inpg.fr |
>> | Patrick BEGOU       | ----- |
>> | LEGI                | mailto:Patrick.Begou at hmg.inpg.fr |
>> | BP 53 X             | Tel 04 76 82 51 35 |
>> | 38041 GRENOBLE CEDEX | Fax 04 76 82 52 71 |
>> =====
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>> ----- next part -----
>> An HTML attachment was scrubbed...
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>> https://lists.sdsc.edu/pipermail/npaci-rocks-discussion/attachments/20120104/fcca9f03/attachment.html
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> --
> A.Nazemian
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A.Nazemian
----- next part -----
An HTML attachment was scrubbed...
URL: https://lists.sdsc.edu/pipermail/npaci-rocks-discussion/attachments/20120126/a323a7ad/attachment.html
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