p4lang / **p4factory**

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Question in the <Towards a better behavioral model: bmv2> part #162

New issue

⊗ Closed   **Wasdns** opened this issue on Sep 27 · 5 comments

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Wasdns commented on Sep 27

Hi, Thank you for looking my questions! Sorry to have troubled you, I hope you don't mind.

When I followed the part **Towards a better behavioral model: bmv2**:

```
cd targets/l2_switch/bmv2/
  make bm
  ./run_bm.sh      # to start the data plane
  sudo ./drivers   # in a second terminal, to start the PD APIs (RPC server)
```

I tried `./run_bm.sh` , it happened that:

```
/home/wasdns/p4factory/submodules/bm/targets/simple_switch/.libs/lt-simple_switch: err
```

But I had installed the nanomsg. Did I install the dependencies the wrong way? If not, how can I solved this problem?
I installed the p4factory again, but it still happened.

Thank you very much !

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antoninbas commented on Sep 28   Member

It can be several things. Did you run `sudo ldconfig` after installing nanomsg?
Where did you install the library? what is the output of `ldconfig -p | grep nanomsg` ?

Wasdns commented on Sep 28

@antoninbas Um, yep. But now I faced another problem, I installed the p4factory again, but when I run

```
cd p4factory/targets/basic_routing/
make bm
```

It turned out that:

```
/home/wasdns/p4factory/submodules/p4c-behavioral/p4c_bm/shell.py p4src/basic_routing.p4 --
WARNING: Token 'PPHASH' defined, but not used
WARNING: There is 1 unused token
Generating LALR tables
WARNING: 2 shift/reduce conflicts
parse error in file /home/wasdns/p4factory/targets/basic_routing/p4src/headers.p4 at line
parse error in file /home/wasdns/p4factory/targets/basic_routing/p4src/headers.p4 at line
parse error in file /home/wasdns/p4factory/targets/basic_routing/p4src/headers.p4 at line
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parse error in file /home/wasdns/p4factory/targets/basic_routing/p4src/headers.p4 at line
```

Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

2 participants

```
parse error in file /home/wasdns/p4factory/targets/basic_routing/p4src/headers.p4 at line :
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parse error in file /home/wasdns/p4factory/targets/basic_routing/p4src/basic_routing.p4 at
31 errors during parsing
Interrupting compilation
Error while building HLIR
make: *** [bm_tenjin_output_oldest] Error 1
```

I'm puzzled because I was strict with the steps in ReadMe...But I failed.
I ran the examples successfully before, but I cannot do anything with the Error.

Thx!

Wasdns commented on Sep 28

I check more details about the basic_routing.p4 and the headers.p4, I think there are no Syntax error or invalid field declaration.
It's correct. So I think it might be something about dependencies.

I apologize for so many problem.

antoninbas commented on Sep 29   `Member`

Well first of all you are trying to compile a P4 program for bmv1 / p4c-behavioral, and not bmv2, so this has nothing to do with this issue.
Did you change the P4 program in anyway?
This look very much that the kind of errors one would get when trying to compile a P4v1 program with the P4v1.1 compiler, or vice versa. So assuming you didn't change the P4 program or any other file in this repository (and its submodules), there could be a problem with the HLIR. Did you install both versions of the HLIR (v1 and v1.1)? If yes I would recommend removing all installed p4-hlir files and re-installing it. On Ubuntu the following should work to remove the HLIR:

```
sudo rm -rf /usr/local/bin/p4-*
sudo rm -rf /usr/local/lib/python2.7/dist-packages/p4_hlir*
```

You can then re-install the P4v1 HLIR only (https://github.com/p4lang/p4-hlir)

antoninbas commented on Oct 19   `Member`

This issue came up a few times, and should be solved by p4lang/p4c-bm#67

🚫   ⬛ **antoninbas** closed this on Oct 19

🔖   ⬛ **antoninbas** referenced this issue on Oct 19

simple router make. #144 `⊘ Closed`

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