这是 Google 对 https://community.intel.com/t5/Analyzers/vtune/td-p/1278897 的缓存。 这是该网页在 2022年4月11日 15:48:12 GMT 的快照。 当前页在此期间可能已经更改。 了解详情.

完整版本 纯文字版本 查看源代码

提示：要在此页面上快速找到您的搜索字词，请按 **Ctrl+F** 或者 **⌘-F**（Mac），然后使用查找栏搜索。

vtune

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AronRoland
Beginner

05-04-2021 • 03:03 PM • 673 Views

Hi Folks,

i have the following issue already discussed on Fedora, however, with no usable outcome. Basically, everything works more or less fine with oneAPI but I exprienced issues with vtune.

The issue looks like this ...

```
[WARNING] yaksa: 44 leaked handle pool objects
[WARNING] yaksa: 22 leaked handle pool objects
[WARNING] yaksa: 44 leaked handle pool objects
[WARNING] yaksa: 22 leaked handle pool objects
vtune: Error: [Instrumentation Engine]: Source/pin/injector_u/loadercommands.cpp: NotifyOnMiniloaderFailure:
689: Injector: caught unexpected signal 11 while running miniloader on
file /usr/bin/dash
vtune: Error: 0x4000002c (Invalid result directory) --
/home/aron/git/SweTools/regtests/hydstruct/durchlass_kreis_group_var/vtune.T470P

If I run with another anlysis type e.g.


[WARNING] yaksa: 22 leaked handle pool objects
[WARNING] yaksa: 22 leaked handle pool objects
[WARNING] yaksa: 44 leaked handle pool objects
[WARNING] yaksa: 44 leaked handle pool objects

vtune: Warning: Cannot collect GPU hardware metrics due to a lack of permissions. Use root privileges
(recommended) or re-configure your current permissions to make sure you are a
member of the video user group and /proc/sys/dev/i915/perf_stream_paranoid value is set to 0.

vtune: Warning: Cannot locate debugging information for file `/usr/lib/x86_64-linux-gnu/ld-2.33.so'.

vtune: Warning: Cannot locate debugging information for file
`/opt/intel/oneapi/mpi/2021.2.0/libfabric/lib/prov/libsockets-fi.so'.
```

```
vtune: Warning: Cannot locate debugging information for file `/lib/modules/5.11.0-16-
generic/kernel/drivers/gpu/drm/drm.ko'.
vtune: Warning: Cannot read load addresses of sections from `/sys/module/drm/sections'. This may affect the
correctness of symbol resolution for `/lib/modules/5.11.0-16-generic/ker
nel/drivers/gpu/drm/drm.ko'. Make sure this directory exists and all files in this directory have read
permissions.
vtune: Warning: Cannot locate debugging information for file `/lib/modules/5.11.0-16-
generic/kernel/arch/x86/kvm/kvm.ko'.
vtune: Warning: Cannot read load addresses of sections from `/sys/module/kvm/sections'. This may affect the
correctness of symbol resolution for `/lib/modules/5.11.0-16-generic/ker
nel/arch/x86/kvm/kvm.ko'. Make sure this directory exists and all files in this directory have read
permissions.

vtune: Warning: Cannot locate debugging information for file `/usr/lib/x86_64-linux-gnu/libc-2.33.so'.

vtune: Warning: Cannot locate debugging information for file `/lib/modules/5.11.0-16-
generic/kernel/drivers/gpu/drm/i915/i915.ko'.
vtune: Warning: Cannot read load addresses of sections from `/sys/module/i915/sections'. This may affect the
correctness of symbol resolution for `/lib/modules/5.11.0-16-generic/ke
rnel/drivers/gpu/drm/i915/i915.ko'. Make sure this directory exists and all files in this directory have read
permissions.
vtune: Warning: Cannot locate debugging information for file
`/home/aron/opt/mpich_intel/lib/libmpifort.so.0.0.0'.

vtune: Warning: Cannot locate debugging information for file `/home/aron/opt/mpich_intel/lib/libmpi.so.0.0.0'.
vtune: Warning: Cannot locate debugging information for the Linux kernel. Source-level analysis will not be
possible. Function-level analysis will be limited to kernel symbol table
s. See the Enabling Linux Kernel Analysis topic in the product online help for instructions.

[proxy:0:0@T470P] HYDU_sock_write (utils/sock/sock.c:254): write error (Broken pipe)
[proxy:0:0@T470P] HYD_pmcd_pmip_control_cmd_cb (pm/pmiserv/pmip_cb.c:930): unable to write to downstream stdin
[proxy:0:0@T470P] HYDT_dmxu_poll_wait_for_event (tools/demux/demux_poll.c:76): callback returned error status
[proxy:0:0@T470P] main (pm/pmiserv/pmip.c:169): demux engine error waiting for event
[mpiexec@T470P] control_cb (pm/pmiserv/pmiserv_cb.c:206): assert (!closed) failed
[mpiexec@T470P] HYDT_dmxu_poll_wait_for_event (tools/demux/demux_poll.c:76): callback returned error status
[mpiexec@T470P] HYD_pmci_wait_for_completion (pm/pmiserv/pmiserv_pmci.c:160): error waiting for event
[mpiexec@T470P] main (ui/mpich/mpiexec.c:326): process manager error waiting for completion

> but gpu is not an issue and at least i got some results ...
```

I need hotspots ...

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0 Kudos

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5 Replies

AlekhyaV_Intel
Moderator

05-06-2021 • 03:52 AM • 636 Views

Hi,

Thanks for posting in Intel Forums. I've tried running the Vtune matrix sample in fedora with multiple analysis and It worked fine without any errors. I'll provide you the steps to run matrix sample in fedora.

Step 1: Run the below commands in the home directory in fedora.

```
cd intel/oneapi
source setvars.sh
cd vtune/2021.3.0/samples/en/C++/matrix
```

Step 2: To run various analysis for matrix sample, use the following commands.

- Collecting Hotspots

  ```
  vtune -collect hotspots ./matrix
  ```

- Performance snapshot

  ```
  vtune -collect performance-snapshot ./matrix
  ```

- Hotspot collection (hardware event-based sampling) with non-default sampling interval 0.5 ms

  ```
  vtune -collect hotspots -knob sampling-mode=hw -knob sampling-interval=0.5 ./matrix
  ```

- Generate the hotspots report for the 'r000hs' result directory:

  ```
  vtune -report hotspots -r r000hs ./matrix
  ```

- Please provide result directory while running analysis using -r flag.

  ```
  vtune -collect hotspots -r <path to result directory>
  ```

Could you please let us know what analysis type you're running? And Do you need CPU hotspots or GPU hotspots?

According to the second error, it shows that you don't have root permission to carry out the analysis. You either need to run with root privileges or add yourself to video group. (usermod -aG video <username>)

Thanks,

Alekhya

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0 Kudos

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AlekhyaV_Intel
Moderator

05-14-2021 • 03:52 AM • 593 Views

Hi,

Can you give us an update regarding this issue?

Thanks,

Alekhya

Translate

0 Kudos

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AlekhyaV_Intel
Moderator

05-21-2021 • 05:06 AM • 558 Views

Hi,

We have not heard back from you, so we will close this inquiry now. If you need further assistance, please post a new question.

Thanks,

Alekhya

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0 Kudos

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AronRoland
Beginner

09-12-2021 • 09:36 AM • 438 Views

Hi Guys,

i have switched in the meanwhile to the following Linux release ...

```
Distributor ID: Ubuntu
Description:    Ubuntu 21.04
Release:        21.04
Codename:       hirsute
```

```
... and I have updated today 9/12/21 the oneApi as well as Vtune ...
```

```
Issue:
```

```
vtune: Error: [Instrumentation Engine]: Source/pin/injector_u/loadercommands.cpp: NotifyOnMiniloaderFailure:
689: Injector: caught unexpected signal 11 while running miniloader on file /usr/bin/dash
vtune: Error: Result path `/home/aron/git/SweTools/regtests/worms2/vtune.T490s/vtune.T490s.vtune' does not
exist.
```

```
I have attached the log output of the self-checker ...
```

```
Thanks in advance ...
```

```
Aron
```

Translate

selfcheck.log
8 KB

0 Kudos

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AronRoland
Beginner
09-12-2021 • 09:38 AM • 438 Views

```
I have invoked vtune with this command ...

mpirun -n 4 vtune -quiet -collect hotspots -trace-mpi -result-dir vtune swetools
```

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0 Kudos

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For more complete information about compiler optimizations, see our Optimization Notice.

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