
Subject: RHEL 7.6 breaks freetype-freeworld
Posted by [cjschultz](#) on Sat, 03 Nov 2018 21:41:43 GMT
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RHEL 7.6 updates freetype to 2.8. This breaks cairo when freetype-freeworld is installed:

[root:~]

You need to install the python bindings for gobject, gtk and pango to run Terminator.

Traceback (most recent call last):

```
File "./terminator", line 36, in <module>
    import gtk, pango, gobject
File "/usr/lib64/python2.7/site-packages/gtk-2.0/gtk/__init__.py", line 40, in <module>
    from gtk import _gtk
ImportError: /lib64/libcairo.so.2: undefined symbol: FT_Get_Var_Design_Coordinates
```

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [nux](#) on Mon, 05 Nov 2018 09:49:33 GMT
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Thanks for reporting, I'm going to have a look.

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [nux](#) on Mon, 05 Nov 2018 10:32:24 GMT
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I don't have access to RHEL, so I'll need to wait until CentOS adds the updated freetype in CR repo or CentOS 7.6 is released.
Alternatively, if you can provide freetype (S)RPMs that I could try to build against, that'd be great.

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [cjschultz](#) on Mon, 05 Nov 2018 23:20:27 GMT
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Do you use Docker? I use the RHEL images in Docker containers for my latest builds:

<https://github.com/chrisjschultz/docker-rhel7-rpm-build-image>

The docker file installs dependencies I need, and adds pip for extra python stuff. Should be easy enough to tailor. You pass in your rpmbuild dir as a mount.

Subject: Re: RHEL 7.6 breaks freetype-freeworld

Posted by [nux](#) on Tue, 06 Nov 2018 10:04:37 GMT

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Hi,

I use mock for building packages, works very well.

So.. do you have the freetype packages?

Subject: Re: RHEL 7.6 breaks freetype-freeworld

Posted by [cjschultz](#) on Tue, 06 Nov 2018 19:23:54 GMT

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Hi

I uploaded the SRPM (and yum config for rhel7.6) to the following repo.

<https://github.com/chrisjschultz/rhel7-srpms>

Cheers

Chris

Subject: Re: RHEL 7.6 breaks freetype-freeworld

Posted by [nux](#) on Wed, 07 Nov 2018 08:00:36 GMT

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Hi Chris,

Thanks, I've built a newer version of freetype-freeworld against the freetype you supplied.

If you could test it, that'd be great:

<http://li.nux.ro/download/nux/tmp/freetype-freeworld7/>

Subject: Re: RHEL 7.6 breaks freetype-freeworld

Posted by [cjschultz](#) on Thu, 08 Nov 2018 02:09:41 GMT

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Hi

I installed the new freetype-freeworld RPM but I am still getting the same issue. I didn't install your new freetype RPM but I don't believe that is required.

.[root:~]

You need to install the python bindings for gobject, gtk and pango to run Terminator.

```
Traceback (most recent call last):
  File "./terminator", line 36, in <module>
    import gtk, pango, gobject
  File "/usr/lib64/python2.7/site-packages/gtk-2.0/gtk/__init__.py", line 40, in <module>
    from gtk import _gtk
ImportError: /lib64/libcairo.so.2: undefined symbol: FT_Get_Var_Design_Coordinates
[root:~]
[root:~]
freetype-2.8-12.el7.x86_64
freerdp-libs-1.0.2-15.el7.x86_64
freerdp-plugins-1.0.2-15.el7.x86_64
freeglut-3.0.0-8.el7.x86_64
freerdp-1.0.2-15.el7.x86_64
freetype-freeworld-2.6.5-6.el7.nux.x86_64
```

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [ildepa83](#) on Sat, 10 Nov 2018 12:34:11 GMT
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Hello everyone,
same problem on Oracle Linux 7.6. I've installed both freetype and freetype-freeworld from the URL provided by Nux but the issue is still present

@nux. Let me know if you need other (source) packages to test your fix

Thanks, Andrea.

```
kermit@euroforce:~ $ rpm -qa | grep freetype
freetype-2.8-12.el7.nux.x86_64
freetype-freeworld-2.6.5-6.el7.nux.x86_64
kermit@euroforce:~ $ tilix
object.Exception@./../../dub/packages/gtk-d-3.8.2/gtk-d/generated/gtkd/gtkd/Loader.d(125):
Library load failed (libvte-2.91.so.0): /lib64/libcairo.so.2: undefined symbol:
FT_Get_Var_Design_Coordinates
```

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [nux](#) on Mon, 12 Nov 2018 13:22:51 GMT
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Hi,

Can you two actually confirm the cairo breakage goes away once you uninstall freetype-freeworld?

If yes, can you please send the cairo SRPM from rhel 7.6 so I can build against it, as well?

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [ildepa83](#) on Tue, 13 Nov 2018 00:52:21 GMT
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Hi Nux,
I can confirm the current workaround consist in uninstalling freetype-freeworld.

These are the cairo packages installed on my systems

```
kermit@normandy:~$ rpm -qa | grep cairo
pycairo-1.8.10-8.el7.x86_64
cairo-1.15.12-3.el7.x86_64
cairo-gobject-1.15.12-3.el7.x86_64
caiomm-1.12.0-1.el7.x86_64
```

I will provide the SRPMs as soon as possible

Thanks for your help!

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [ildepa83](#) on Tue, 13 Nov 2018 01:02:52 GMT
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You can grab the SRPM from here

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [cjschultz](#) on Tue, 13 Nov 2018 01:22:14 GMT
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```
http://yum.oracle.com/repo/OracleLinux/OL7/optional/latest/x
86_64/getPackageSource/cairo-1.14.8-2.el7.src.rpm
```

I think you want this one (this is the version RHEL 7.6 installs).

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [nux](#) on Tue, 13 Nov 2018 15:22:24 GMT

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Thanks, I'll look into it.

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [nux](#) on Tue, 13 Nov 2018 15:45:43 GMT

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I've rebuilt freetype-freeworld against the new cairo.
The version has remained the same, so do a "rpm -e" or "yum clean all; yum reinstall".

<http://li.nux.ro/download/nux/tmp/freetype-freeworld7/>

Let me know if this fixes the issue.

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [ildepa83](#) on Tue, 13 Nov 2018 16:18:34 GMT

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Unfortunately, I get the same error

```
kermit@normandy:~/Downloads$ tilix
object.Exception@../../../../dub/packages/gtk-d-3.8.2/gtk-d/generated/gtkd/gtkd/Loader.d(125):
Library load failed (libvte-2.91.so.0): /lib64/libcairo.so.2: undefined symbol:
FT_Get_Var_Design_Coordinates
```

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [nux](#) on Tue, 13 Nov 2018 16:41:40 GMT

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Ok, I'm at a loss right now..

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [cjschultz](#) on Wed, 14 Nov 2018 00:57:21 GMT

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FT_Get_Var_Design_Coordinates is in the 2.8 version of Freetype.

The version of Freetype-freeworld you have built is 2.6, which is still missing
FT_Get_Var_Design_Coordinates.

I think we need to bump freetype-freeworld to freetype 2.8.

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [nux](#) on Thu, 15 Nov 2018 13:55:32 GMT
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Thanks, I'll look into doing that.

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [nux](#) on Mon, 26 Nov 2018 14:59:34 GMT
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Hi,

Sorry for the wait, life got in the way.

Can you try http://li.nux.ro/download/nux/tmp/freetype-freeworld7/freetype-freeworld-2.8-12.el7.nux.x86_64.rpm ?

It's the exact same version I believe.

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [ildepa83](#) on Tue, 27 Nov 2018 05:55:41 GMT
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and...it works!

Thanks! Keep and the good work!

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [bus-error](#) on Tue, 27 Nov 2018 12:22:29 GMT
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Working well here too and gives a noticeable improvement over the stock library, thanks!

Please can you also build the equivalent 32-bit RPM as this seems to make a huge difference for apps running under under Wine?

Many thanks,

Bruce

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [cjschultz](#) on Tue, 04 Dec 2018 19:22:01 GMT
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Thanks for your work on this, much appreciated!

For me, Tahoma and other old skool M\$ fonts still weren't rendering correctly until I created a new file with the following, logged back in and I am working sweet as again!

```
[schultzch:~]  
export FREETYPE_PROPERTIES="truetype:interpreter-version=35"
```

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [nux](#) on Wed, 05 Dec 2018 10:23:42 GMT
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Thanks for the tip.
I'm tempted to include it in the RPM, but I am afraid it would be too invasive.

Subject: Re: RHEL 7.6 breaks freetype-freeworld
Posted by [nux](#) on Wed, 05 Dec 2018 14:03:25 GMT
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BTW, I am using fontconfig-infinality and freetype-infinality and am happy with how the fonts look.
Give it a try.
