

## Haktilo - Support #130

### Haktilo/Hydrilla 3.0b1 x86 relocatable binary fails to find Python program console\_scripts entry points

10/13/2022 02:53 AM - jacobk

<b>Status:</b>	Closed	<b>Start date:</b>	10/12/2022
<b>Priority:</b>	Immediate	<b>Due date:</b>	
<b>Assignee:</b>	koszko	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Description</b>			
<p>In the relocatable binary package, there are many references to /gnu that seem like they should point to files in the package. For example, in <a href="https://hydrilla.koszko.org/downloads/haktilo-and-hydrilla-bin-3.0b1-x86_64.tar.gz">https://hydrilla.koszko.org/downloads/haktilo-and-hydrilla-bin-3.0b1-x86_64.tar.gz</a>, ./gnu/store/yym5qli1d05wqmshz4c7wvhywfdwbwlk-mitmproxy-8.1.1/bin/mitmproxy sets the GUIX_PYTHONPATH value to something starting with "/gnu/store/yym5qli1d05wqmshz4c7wvhywfdwbwlk-mitmproxy-8.1.1/", and although my /gnu/store folder does have some folders ending in "mitmproxy-8.1.1", they are pmknz0ak8wy5vyzrciiwxbhyhcf8ps5m-mitmproxy-8.1.1 and qpk0i5i4b6ssqnmq7q8nflwd3bvxsfmf-mitmproxy-8.1.1 .</p> <p>For reasons that I think are related to this, ./haktilo --version shows</p> <pre>Traceback (most recent call last):   File "/gnu/store/ziiryffcgh9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin/.haktilo-real", line 33, in &lt;module&gt;     sys.exit(load_entry_point('hydrilla==3.0b1', 'console_scripts', 'haktilo')())   File "/gnu/store/ziiryffcgh9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin/.haktilo-real", line 25, in importlib_load_entry_point     return next(matches).load() StopIteration</pre> <p>I have no folder in /gnu/store beginning with "zii".</p> <p>For reasons I do not understand, using sudo (i.e. sudo ./haktilo --version) does not produce this error, and outputs the version/copyright/license/warranty properly. The actual proxy doesn't work this way because it's looking at /root instead of /home/jacobk I think. If the problem really was absolute vs relative paths, then I think sudo wouldn't help, so it seems likely that the issue is something entirely different, but I'm not sure what to look for.</p> <p>Installing from source using Guix fails with a similar message:</p> <pre>Traceback (most recent call last):   File "/gnu/store/4v76basixk81lqp95sjwmx859vp61ysn-hydrilla-3.0b1/bin/.haktilo-real", line 33, in &lt;module&gt;     sys.exit(load_entry_point('hydrilla==3.0b1', 'console_scripts', 'haktilo')())   File "/gnu/store/4v76basixk81lqp95sjwmx859vp61ysn-hydrilla-3.0b1/bin/.haktilo-real", line 25, in importlib_load_entry_point     return next(matches).load() StopIteration</pre>			

## History

### #1 - 10/13/2022 03:14 AM - jacobk

Also, installing the python wheel does work, but in my case it gives the error in script /home/jacobk/.haktilo/addon.py: cannot import name 'tls' from 'mitmproxy' (/usr/lib/python3/dist-packages/mitmproxy/\_\_init\_\_.py) when actually running the proxy, but I think that's just because Trisquel's version of mitmproxy is 4.x instead of 8.x and so there's some features missing.

### #2 - 10/13/2022 08:56 AM - koszko

- Status changed from New to In Progress
- Priority changed from Normal to Immediate

That's very bad. Thank you for reporting at least...

The absolute paths are intended. When we run one of the programs, it utilizes user namespaces (with a fallback to proot) to mount `./gnu` at `/gnu`.

The actual error indicates that for some reason Python cannot find the egg info of hydrilla. As if either `PYTHONPATH` was being set incorrectly by Guix or the mounting/linking of files/directories was broken.

Does your Trisquel system support user namespaces? Can you try mounting `/gnu` manually with (as a normal, unprivileged user)

```
unshare -Urm
mount --bind ./gnu/ /gnu/
/gnu/store/ziiryffcgp9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin/haketilo --version
```

If it is indeed a user namespaces problem, the first line should result with an error. Also, I know from past experience that running in a chroot or in another user namespace might be causing user namespaces to be unavailable.

The binaries are supposed to fall back to PRoot if user namespace cannot be created. Perhaps they are (for whatever reason) failing to detect that the fallback is indeed needed?

It would be interesting to see if it works when using PRoot manually. Do you want to try this out? If so, make sure PRoot is installed on your system and run

```
proot -b ./gnu:/gnu bash
/gnu/store/ziiryffcgp9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin/haketilo --version
```

As to installing from source, I have no idea what could be causing problems as there's no bind mounting involved. Did you use the source release tarball and the following command from README.md?

```
guix environment -L . --ad-hoc -e '(@ (hydrilla) hydrilla)'
```

jacobk wrote:

Also, installing the python wheel [...] in my case it gives the error [...] I think that's just because Trisquel's version of mitmproxy is 4.x instead of 8.x and so there's some features missing.

Indeed, mitmproxy is incompatible across major version updates. Some issues forced me to depend exclusively on 8.x. In fact, the hydrilla Python package by itself does not depend on mitmproxy. It's "extras" (e.g. hydrilla[haketilo]) do. So, if instead

```
python3 -m pip install path/to/hydrilla-3.0b1-py3-none-any.whl
```

you do

```
python3 -m pip install path/to/hydrilla-3.0b1-py3-none-any.whl[haketilo]
```

it should completely refuse to install alongside an old version of mitmproxy.

### #3 - 10/13/2022 09:02 AM - koszko

- Subject changed from Haketilo/Hydrilla 3.0b1 x86 relocatable binary references files in /gnu rather than using relative paths to Haketilo/Hydrilla 3.0b1 x86 relocatable binary fails to find Python program console\_scripts entry points

### #4 - 10/13/2022 11:21 AM - koszko

Btw, how did you extract the tarball? Perhaps we've been doing this differently?

Another thing you can try is setting the GUIX\_EXECUTION\_ENGINE variable when running programs from the tarball.

```
GUIX_EXECUTION_ENGINE=proot ./haketilo --version
```

As a side note, I found out another bug - Haketilo forgets to create ~/.haketilo/store/. I already fixed it in the source and the fix will be included in a "beta2" release once I make it. However, I'd first like to have your issue fixed before making subsequent pre-releases. If you somehow get past your current errors, you can just create the directory manually

### #5 - 10/13/2022 05:10 PM - jacobk

The instructions starting with "unshare" work fine, up until /gnu/store/ziiryfcgph9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin/haketilo --version which gives the same error as before.

The instructions starting with "proot -" say bash: /home/jacobk/.guix-profile/etc/profile: No such file or directory when running the first command, and then the second command gives the same error as before.

I did use the source tarball, and I thought I ran guix environment -L . --ad-hoc -e '@ (hydrilla) hydrilla'. When running the command again today, I got

```
substitute: updating substitutes from 'https://ci.guix.gnu.org'... 100.0%
substitute: updating substitutes from 'https://bordeaux.guix.gnu.org'... 100.0%
The following derivation will be built:
 /gnu/store/yyvfaljw2sr9cjfchiqxhz87xxdcvb9z-hydrilla-3.0b1.drv
```

```
building /gnu/store/yyvfaljw2sr9cjfchiqxhz87xxdcvb9z-hydrilla-3.0b1.drv...
The following derivation will be built:
 /gnu/store/0qbvvzi2h4523rrqpfbhp9bxf337yfw9-profile.drv
```

```
applying 30 grafts for hydrilla-3.0b1 ...
building CA certificate bundle...
listing Emacs sub-directories...
building fonts directory...
building directory of Info manuals...
building profile with 1 package...
```

and haketilo --version outputs correctly. Maybe the updated substitutes fixed the problem, or maybe (probably) I ran the wrong command yesterday. Though, now when actually running the proxy I'm getting the in script /home/jacobk/.haketilo/addon.py: cannot import name 'tls' from 'mitmproxy' (/usr/lib/python3/dist-packages/mitmproxy/\_\_init\_\_.py) error again, even though mitmproxy --version shows 8.1.1 (which mitmproxy, while in the ad-hoc guix environment, prints "/gnu/store/9w4pnmpa7svlhs2s1sp4hj433pyak5gf-profile/bin/mitmproxy", which really exists.).

#### #6 - 10/13/2022 05:15 PM - jacobk

Also, the tls error in mitmproxy doesn't completely prevent mitmproxy from functioning, and mitm.it can be reached to install the certificate, which is necessary to view HTTPS pages while connected to the proxy. But connecting to "hkt.mitm.it" gives multiple errors:

```
127.0.0.1:34238: GET https://hkt.mitm.it/
<< Server connection to ('hkt.mitm.it', 443) failed: Error connecting to "hkt.mitm.it": [Errno -2] Name or service not known
127.0.0.1:34238: clientdisconnect
127.0.0.1:34240: clientconnect
127.0.0.1:34240: CONNECT hkt.mitm.it:443
<< Cannot establish TLS with client (sni: hkt.mitm.it): TlsException("SSL handshake error: SysCallError(-1, 'Unexpected EOF')")
```

I previously thought the errors were because of the earlier tls error and because of using an outdated version of mitmproxy, and this still seems to be the case, but just in case I'm incorrect I thought this information might be useful also.

#### #7 - 10/13/2022 05:34 PM - jacobk

Oh also, I extracted the tarball using the engrampa (GUI) program.

#### #8 - 10/13/2022 05:44 PM - koszko

I did use the source tarball [...]

You mean now haketilo --version works with from-source installation and still doesn't work with the binary release I published?

I'm getting the in script /home/jacobk/.haketilo/addon.py: cannot import name 'tls' from 'mitmproxy' (/usr/lib/python3/dist-packages/mitmproxy/\_\_init\_\_.py) error again, even though mitmproxy --version shows 8.1.1

That's weird - Haketilo script is trying to load the modules of globally-installed mitmproxy instead of the one from the pack. Do you have anything in your PYTHONPATH variable?

Also, I'll look at that GUI program to see if it makes any difference (although it'd be surprising if it did)

**#9 - 10/13/2022 05:50 PM - jacobk**

You mean now haketilo --version works with from-source installation and still doesn't work with the binary release I published?

Yes.

Do you have anything in your PYTHONPATH variable?

No, echo \$PYTHONPATH prints nothing in the guix environment or plain bash (or however it makes sense to say outside the guix environment).

**#10 - 10/13/2022 06:48 PM - koszko**

- File patch.patch added

Engrampa 1.24.1 from Guix seems to be unpacking the tarball properly.

Since you already know how to build from source, may I have one more request? Could you apply the attached patch inside the sources directory and try building and running haketilo again with

```
guix environment -L . --ad-hoc -e '@ (hydrilla) hydrilla'
haketilo
```

This should print a dump of variables that could help us determine what causes Trisquel's mitmproxy to be imported instead of the one from the pack.

The patch can be applied with

```
cd path/to/unpacked/sources/tarball/
patch --strip 1 < path/to/downloaded/patch.patch
```

**#11 - 10/13/2022 07:30 PM - jacobk**

I applied the patch, but I did not see any change in the output of haketilo. The output of guix environment -L . --ad-hoc -e '@ (hydrilla) hydrilla' was

```
substitute: updating substitutes from 'https://ci.guix.gnu.org'... 100.0%
substitute: updating substitutes from 'https://bordeaux.guix.gnu.org'... 100.0%
The following derivation will be built:
 /gnu/store/capdhxpss462m3xi0wbjw85gqp4f9hxx-hydrilla-3.0b1.drv

building /gnu/store/capdhxpss462m3xi0wbjw85gqp4f9hxx-hydrilla-3.0b1.drv...
The following derivation will be built:
 /gnu/store/3gbi9yw7m6nma0zy7db8hln034sr143f-profile.drv

applying 30 grafts for hydrilla-3.0b1 ...
building CA certificate bundle...
listing Emacs sub-directories...
building fonts directory...
building directory of Info manuals...
building profile with 1 package...
```

That the output of haketilo stayed the same makes me think I'm not actually running from source. Just to be sure, I redid the process using the following commands (excerpt from history):

```
2005 wget https://hydrilla.koszko.org/downloads/haketilo-and-hydrilla-3.0b1.tar.gz
2006 gzip --help
2007 ls
2008 gzip haketilo-and-hydrilla-3.0b1.tar.gz
2009 gzip -d haketilo-and-hydrilla-3.0b1.tar.gz
2010 ls
2011 tar --help
2012 tar -xf haketilo-and-hydrilla-3.0b1.tar
2013 ls
2014 cd hydrilla-3.0b1/
2015 ls
2016 wget https://hydrillabugs.koszko.org/attachments/download/127/patch.patch ..
2017 ls
2018 mv patch.patch ..
2019 ls
2020 patch --strip 1 < ../patch.patch
2021 guix environment -L . --ad-hoc -e '@ (hydrilla) hydrilla'
```

and then ran haketilo and got as the output

```
Loading script /home/jacobk/.haketilo/addon.py
in script /home/jacobk/.haketilo/addon.py: cannot import name 'tls' from 'mitmproxy' (/usr/lib/python3/dist-packages/mitmproxy/__init__.py)
Proxy server listening at http://*:8080
```

So, I don't know what the problem is.

#12 - 10/13/2022 07:49 PM - koszko

That the output of haketilo stayed the same makes me think I'm not actually running from source.

That's what I'm thinking, too!

One more idea - Guix documentation mentions that in some cases user's `.bashrc` might be clobbering shell variables. Perhaps it is setting `PATH` or something in a way that causes different Haketilo to be executed? You can try

- running guix environment with a `--check` option that shall report issues with clobbered variables
- running guix environment with a `--pure` option that shall spawn a shell without reading `~/.bashrc` and similar

#13 - 10/13/2022 08:10 PM - jacobk

Ah, I think that's what the problem is!

Output of guix environment -L . --check --ad-hoc -e '@ (hydrilla) hydrilla):

```
guix environment: checking the environment variables visible from shell '/bin/bash'...
guix environment: warning: variable 'PATH' is clobbered: '/home/jacobk/.cargo/bin:/home/jacobk/Programs/ffmpeg
-git-20211013-amd64-static:/home/jacobk/.guix-profile/bin:/home/jacobk/.guix-profile/sbin:/home/jacobk/.local/
bin:/gnu/store/9kylrdlp645nwwj40kisa227vqnxirs3-profile/bin'
hint: One or more environment variables have a different value in the shell than
the one we set. This means that you may find yourself running code in an
environment different from the one you asked Guix to prepare.
```

This usually indicates that your shell startup files are unexpectedly modifying those environment variables. For example, if you are using Bash, make sure that environment variables are set or modified in `~/.bash_profile` and `_not_` in `~/.bashrc`. For more information on Bash startup files, run:

```
info "(bash) Bash Startup Files"
```

Alternatively, you can avoid the problem by passing the `--container` or `-C` option. That will give you a fully isolated environment running in a "container", immune to the issue described above.

Output of guix environment -L . --pure --ad-hoc -e '@ (hydrilla) hydrilla):

```
Command 'lesspipe' is available in '/usr/bin/lesspipe'
The command could not be located because '/usr/bin' is not included in the PATH environment variable.
lesspipe: command not found
Command 'dircolors' is available in '/usr/bin/dircolors'
The command could not be located because '/usr/bin' is not included in the PATH environment variable.
dircolors: command not found
Command 'dircolors' is available in '/usr/bin/dircolors'
The command could not be located because '/usr/bin' is not included in the PATH environment variable.
dircolors: command not found
```

and then commands like ps and grep show not found, haketilo --version works properly, and haketilo gives the same tls mitmproxy python error as before.

So then I exited and tried `` and got

```
substitute: updating substitutes from 'https://ci.guix.gnu.org'... 100.0%
1.6 MB will be downloaded
bash-5.1.8-doc 301KiB 112KiB/s 00:03 [#####] 100.0%
bash-5.1.8-include 67KiB 77KiB/s 00:01 [#####] 100.0%
```

and then for haketilo --version

```
in launch.py os.environ is environ({'GUIX_PYTHONPATH': '/gnu/store/lgnl0y42lx7ac4kzxs9vi0lx7cazm-hydrilla-3
.0bl/lib/python3.9/site-packages:/gnu/store/06pzx72mv7k4mlhww9hbkfqdngv3z59m-python-setuptools-scm-6.3.2/lib/p
ython3.9/site-packages:/gnu/store/9sv7c6yxrqkms514rsbvds883ypwfm4i-python-babel-2.9.0/lib/python3.9/site-packa
ges:/gnu/store/fb67v15n28vslmh54nx9jfmPAYB85895-python-pytest-6.2.5/lib/python3.9/site-packages:/gnu/store/whw
4mwikdayp8pzjg83vcqcgfwlvn39x-python-pypa-build-0.7.0/lib/python3.9/site-packages:/gnu/store/ghawmvzslwrch9mx
81iwbfglabwfhyp-python-mypy-0.942/lib/python3.9/site-packages:/gnu/store/a3bkrj85wrba8f08hbmglgcdnbqsrq2g-pyth
on-types-requests-2.26.0/lib/python3.9/site-packages:/gnu/store/qpk0i5i4b6ssqnmq7q8nflwd3bvxsfmf-mitmproxy-8.1
.1/lib/python3.9/site-packages:/gnu/store/2hqai8plqilxsfgv2kkwy0k2ljxpc2z2-python-beautifulsoup4-4.10.0/lib/py
thon3.9/site-packages:/gnu/store/v301fyk48gm977a8his728ck0f7mhyyg-python-click-8.1.2/lib/python3.9/site-packag
es:/gnu/store/jvh5ivwzqnv8x1ldrldh516p4mb9jlbs-python-flask-2.1.1/lib/python3.9/site-packages:/gnu/store/ab47b
r45jllzx6pyjdl86q7kqfd7mnkb-python-gnupg-0.4.8/lib/python3.9/site-packages:/gnu/store/x4s7jng9lj5srb3bc1g3fqq
vh8577nd-python-httplib2-1.1/lib/python3.9/site-packages:/gnu/store/9a5rbkm0k1wi9fm7zflwmcnr8m96prmy-python-im
mutables-0.19/lib/python3.9/site-packages:/gnu/store/3yym0cchxng9vqcrsxmjhjaaf12cfs6c-python-itsdangerous-2.0.
1/lib/python3.9/site-packages:/gnu/store/ii5rvjy0va7bwh25dk0ncl2nxjj8a60-python-jsonschema-3.2.0/lib/python3.
9/site-packages:/gnu/store/q5sca9kbgdwqyv7ppkplppz2q0kwhsx-reuse-0.14.0/lib/python3.9/site-packages:/gnu/stor
e/papscspynmdi51jmgw5x5wbi9ijclxj-python-3.9.9/lib/python3.9/site-packages:/gnu/store/4k52mqy3c7dkgfmqgl21l2q
3k9vx6gz5-python-tomli-2.0.0/lib/python3.9/site-packages:/gnu/store/vrl6bf0blbzmzvckva708fpng3qlcfwh-python-pa
ckaging-bootstrap-21.3/lib/python3.9/site-packages:/gnu/store/fkx18fnk6cab2jr2ymafmdl8x7x9pdj9-python-pytz-202
1.1/lib/python3.9/site-packages:/gnu/store/az5yw33ifrrdws0fgmaalhsvd1gvwid-python-wcwidth-0.1.8/lib/python3.9
/site-packages:/gnu/store/nl58q651x8dbhmxp62i345pz4zmpi4r1-python-toml-0.10.2/lib/python3.9/site-packages:/gnu
/store/84si0j45zxbgmvy51yhrfj5iz0v2wx-python-six-bootstrap-1.16.0/lib/python3.9/site-packages:/gnu/store/k49
pbvmdlv7cjhfgsgkdjv4rd94gx7x-python-py-1.10.0/lib/python3.9/site-packages:/gnu/store/ldh3ra00qakpp27jpl88m36r
llij495z-python-pluggy-0.13.1/lib/python3.9/site-packages:/gnu/store/mpcslygybwl16jvail06df27nbgwpp8-python-m
ore-itertools-8.2.0/lib/python3.9/site-packages:/gnu/store/lhssslmrxmsyrd4w9zv8gbbp7znqdq8-python-iniconfig-1
.1.1/lib/python3.9/site-packages:/gnu/store/74kivpqcjsnr7r6n53zarspwdxgqbl14-python-attrs-bootstrap-21.2.0/lib
/python3.9/site-packages:/gnu/store/0pi8kjdwszhlk1qw8asm29rz32s269-python-pep517-bootstrap-0.9.1/lib/python3
.9/site-packages:/gnu/store/5whaphwnvjab8zbi3mw4ra993615n4yz-python-typing-extensions-4.0.1/lib/python3.9/site
-packages:/gnu/store/csqqkklm3rf8f7p518m8mf2sd5qr9vas-python-mypy-extensions-0.4.3/lib/python3.9/site-packages
:/gnu/store/ymzrwlr862g6s0bdjbcx05q23bd14rp9-python-zstandard-0.15.2/lib/python3.9/site-packages:/gnu/store/cg
x410ip27ikc9jb0c1ligicm2g38r7l-python-publicsuffix-2.20191221/lib/python3.9/site-packages:/gnu/store/487fxllb
lcv5ciji72z87k561j3vrrlz-python-wsproto-0.15.0/lib/python3.9/site-packages:/gnu/store/adgja19sipp20p0xhkpyjdn
jjcd654a-python-urwid-2.1.2/lib/python3.9/site-packages:/gnu/store/yg4vrd6wk6pwnqysgb9s78vd3kjcvs6a-python-tor
nado-6.1/lib/python3.9/site-packages:/gnu/store/014qywhp7c7lic3qsdvzwmvf0lizf9r2-python-sortedcontainers-2.1.0
/lib/python3.9/site-packages:/gnu/store/l3l8qg8jg2q365i4wgca4m94hk7mday-python-ruamel.yaml-0.16.13/lib/python
3.9/site-packages:/gnu/store/acln1j53rpn8ki2npa0s6brcrcprgf7zq6-python-pyperclip-1.8.2/lib/python3.9/site-packag
es:/gnu/store/f9a6smln5z5240d9klmk5jg8b6mnnqiwl-python-pyparsing-3.0.6/lib/python3.9/site-packages:/gnu/store/y
wd681xl21n82g6ckqgyymbkx4xydgk2-python-pyopenssl-22.0.0/lib/python3.9/site-packages:/gnu/store/402g4rs62bn5xzk
xdwmbshgddbv2ribs-python-protobuf-3.20.1/lib/python3.9/site-packages:/gnu/store/y2y1l1g1sw2rc0yqjh4y6xjplm5ggq4
fv-python-passlib-1.7.4/lib/python3.9/site-packages:/gnu/store/gb95h77225vk3dnnvzqpbhd192v/w2h-python-msgpack
-1.0.3/lib/python3.9/site-packages:/gnu/store/a114apk3jmhbv01lq37hq9v4w4jzgv1b-python-ldap3-2.7/lib/python3.9/
site-packages:/gnu/store/vni7bai89v2l2agky7aihvf1kwd6iwr-python-kaitaistruct-0.10/lib/python3.9/site-packages
:/gnu/store/8z52kxfrn9bnghi5zvaqa7b9ss7hq9vh-python-hyperframe-6.0.1/lib/python3.9/site-packages:/gnu/store/rw
pkqrm75994jn9mf687p6xbylq6x-python-h2-4.1.0/lib/python3.9/site-packages:/gnu/store/v8gnbynwqznlrbvd2xv5cj30
4020xfb8-python-h11-0.12.0/lib/python3.9/site-packages:/gnu/store/lmi55b4fmdr206i16gmwrdgzafn0b97r-python-cryp
tography-36.0.1/lib/python3.9/site-packages:/gnu/store/5fxcv0p9qamcvmvlib9jpbxlyb3iah1h-python-brotli-1.0.9/li
b/python3.9/site-packages:/gnu/store/i9ddvyf9vgzmfXh28s1bi0zc8xyk8zn5-python-blinker-1.4/lib/python3.9/site-pa
ckages:/gnu/store/yxxandg091nlwmsjjad60wpd5z9vcli-python-asgiref-3.4.1/lib/python3.9/site-packages:/gnu/store
/bj5d1a0asmnzh9qxxjqc6wa9fw96qd-python-lxml-4.6.3/lib/python3.9/site-packages:/gnu/store/5nk33ifpxl1jrwvsamb
dcnxwrxqlkji-python-soupsieve-2.2.1/lib/python3.9/site-packages:/gnu/store/5b7kyvxmsip8i4phsdsfv48synwn0964-p
ython-werkzeug-2.0.2/lib/python3.9/site-packages:/gnu/store/idwg7yli71kdaadqav6xn5xzb6rkcp20-python-jinja2-3.1
.1/lib/python3.9/site-packages:/gnu/store/bxrh6gxczls7wf35kfv0p4n8hk0428m-python-importlib-metadata-4.11.3/li
b/python3.9/site-packages:/gnu/store/qlckfz534jr32c3dvkjw05ybsf10hq7-python-chardet-3.0.4/lib/python3.9/site-
packages:/gnu/store/g53zkr19vz43mrx9h0gigj31f4smn411-python-webencodings-0.5.1/lib/python3.9/site-packages:/gn
u/store/c13nc31bzgjjf5c4fz0g0h34bjaibf6-python-six-1.16.0/lib/python3.9/site-packages:/gnu/store/q06w09f937q5
4kwwb3sf8zdygn0gil-python-pyrsistent-0.16.0/lib/python3.9/site-packages:/gnu/store/88rlck93vmrdsavfm2hh99gz
dsdaaf7-python-attrs-21.2.0/lib/python3.9/site-packages:/gnu/store/wzkwygp2wx3k21sw48zmjgnvcczxcxi-python-whe
el-0.37.0/lib/python3.9/site-packages:/gnu/store/7mcfql16v32k7bw4cv59bh9yqlkippxf-python-filelock-3.0.12/lib/p
ython3.9/site-packages:/gnu/store/fhiv69glcxg9grxawwbxpaqqj90hhsjq-python-distlib-0.3.1/lib/python3.9/site-pac
kages:/gnu/store/26ldzj9xcirdrh7narm79gqgca2ka3dh-python-appdirs-1.4.3/lib/python3.9/site-packages:/gnu/store
/diym1fxk82db89yn55vqgh4923irgqh8-python-ruamel.yaml.clib-0.2.6/lib/python3.9/site-packages:/gnu/store/myxy10nn
```



61nrpfvxx20rq4416kmc25kl-python-bcrypt-3.2.0/lib/python3.9/site-packages:/gnu/store/6hb6zs58gia4z75xgf32d4c82q  
h8iavd-python-pyasnl-0.4.8/lib/python3.9/site-packages:/gnu/store/m0x8jwdhip0p7qmlpfqv6cfq7k9aspz-python-gssa  
pi-1.6.12/lib/python3.9/site-packages:/gnu/store/kjyl2km9wa5mpcfw2mq7r5r4x3q47lgl-python-hpack-4.0.0/lib/pytho  
n3.9/site-packages:/gnu/store/jlx0r8vnr17ywdls9g9cmjlgwlkznlmv-python-iso8601-0.1.13/lib/python3.9/site-packag  
es:/gnu/store/w4hxd7w2nlwj4y2yg3yif4mip508b59-python-idna-2.10/lib/python3.9/site-packages:/gnu/store/p09ad3p  
wazgjfcbllzw94lmwq0jgd41zp-python-cffi-1.14.4/lib/python3.9/site-packages:/gnu/store/5ilflcq3fn6mx3k20pv5pak2vn  
d3ybxcd-python-asn1crypto-1.4.0/lib/python3.9/site-packages:/gnu/store/jbxjcwbb2f6nkigzrf4qp8av7yckbys-python-  
requests-2.26.0/lib/python3.9/site-packages:/gnu/store/9qikfahx9wschf8jjlkc02qp8mzbfmcm-python-markupsafe-2.0.  
1/lib/python3.9/site-packages:/gnu/store/613kcbcqicf9acvi0hvdarbfz6pzx3j-python-zipp-1.0.0/lib/python3.9/site  
-packages:/gnu/store/f0aa3qbah14mqmwdl6xn0wbnhm15b0jm-python-decorator-5.0.9/lib/python3.9/site-packages:/gnu/  
store/m5p8iinvgyblysym6jlbq9vp27cr7yb0q-python-pycparser-2.20/lib/python3.9/site-packages:/gnu/store/jm4dq8vksm  
aq7mcbkq115wpcpqv8qaqf-python-urllib3-1.26.7/lib/python3.9/site-packages:/gnu/store/vwbx61b3ihpnwc2dj4iqghwa8y  
gb8dcq-python-charest-normalizer-2.0.5/lib/python3.9/site-packages:/gnu/store/hyglphskalgkmm3q0jfdzk820plq155i  
-python-certifi-2020.12.5/lib/python3.9/site-packages:/gnu/store/d39sww9kp42vf7wxqkb9ig2ydbq519bb-python-pysoc  
ks-1.7.1/lib/python3.9/site-packages', 'PWD': '/home/jacobk/Programs/Haketilo-source/hydrilla-3.0b1', 'LOGNAME  
' : 'jacobk', 'TMPDIR': '/tmp', 'HOME': '/home/jacobk', 'TMPDIR': '/tmp', 'USER': 'jacobk', 'TEMP': '/tmp', 'S  
HLVL': '1', 'GUIX\_ENVIRONMENT': '/gnu/store/9kylrdlp645nwwj40kisa227vqnxirs3-profile', 'TMP': '/tmp', 'PATH':  
' /gnu/store/9kylrdlp645nwwj40kisa227vqnxirs3-profile/bin'})  
in launch.py sys.path is ['/gnu/store/lnglhl0y42lx7ac4kzxs9vi01zx7cazm-hydrilla-3.0b1/bin', '/gnu/store/papscs  
pynmdi51jmgw5x5wbi9ijclxj-python-3.9.9/lib/python39.zip', '/gnu/store/papscspynmdi51jmgw5x5wbi9ijclxj-python  
-3.9.9/lib/python3.9', '/gnu/store/papscspynmdi51jmgw5x5wbi9ijclxj-python-3.9.9/lib/python3.9/lib-dynload', '  
/gnu/store/lnglhl0y42lx7ac4kzxs9vi01zx7cazm-hydrilla-3.0b1/lib/python3.9/site-packages', '/gnu/store/06pzz72mv  
7k4mlhww9hbkfcdngv3z59m-python-setuptools-scm-6.3.2/lib/python3.9/site-packages', '/gnu/store/9sv7c6yxrqksm514  
rsbvds883ypwfm4i-python-babel-2.9.0/lib/python3.9/site-packages', '/gnu/store/fb67v15n28vslmh54nx9jfmPAYb85895  
-python-pytest-6.2.5/lib/python3.9/site-packages', '/gnu/store/whw4mwikdayp8pzjg83vcqcgf1wv39x-python-pypa-bu  
ild-0.7.0/lib/python3.9/site-packages', '/gnu/store/ghawmvzslwrch9mx8liwbfglabwfhyp-python-mypy-0.942/lib/pyt  
hon3.9/site-packages', '/gnu/store/a3bkrj85wrba8f08hbmglgcdnbqsrq2g-python-types-requests-2.26.0/lib/python3.9  
/site-packages', '/gnu/store/gpk0i5i4b6ssqnmq7q8nflwd3bvxsfmf-mitmproxy-8.1.1/lib/python3.9/site-packages', '  
/gnu/store/2hqai8p1qilxsfvgv2kkwy0k21jxpcz22-python-beautifulsoup4-4.10.0/lib/python3.9/site-packages', '/gnu/sto  
re/v301fyk48gm977a8his728ck0f7mhyyg-python-click-8.1.2/lib/python3.9/site-packages', '/gnu/store/jvh5ivwzqnv8  
x1ldr1dh516p4mb9jlbs-python-flask-2.1.1/lib/python3.9/site-packages', '/gnu/store/ab47br45j1lzx6pyjdl86q7kqfd7  
mnb-python-gnupg-0.4.8/lib/python3.9/site-packages', '/gnu/store/x4s7jng91jd5srb3bc1g3fgqvh8577nd-python-html  
5lib-1.1/lib/python3.9/site-packages', '/gnu/store/9a5r8bkm0klwi9f7zflwmcnr8m96prmy-python-immutable-0.19/lib  
/python3.9/site-packages', '/gnu/store/3yym0cchxng9vqcrsxmjhjaaf12cfs6c-python-itsdangerous-2.0.1/lib/python3.  
9/site-packages', '/gnu/store/ii5rvjy0va7bhwh25dk0ncl2nxjj8a60-python-jsonschema-3.2.0/lib/python3.9/site-pack  
ages', '/gnu/store/q5sca9kbgdwqyv7ppkplppz2q0kwhsx-reuse-0.14.0/lib/python3.9/site-packages', '/gnu/store/4k5  
2mqy3c7dkqfmxg1211zq3k9vx6gz5-python-tomli-2.0.0/lib/python3.9/site-packages', '/gnu/store/vr16bf0b1bzmzvckva7  
08fpng3qlcfwh-python-packaging-bootstrap-21.3/lib/python3.9/site-packages', '/gnu/store/fkx18fnk6cab2jr2ymafmd  
l8x7x9pdj9-python-pytz-2021.1/lib/python3.9/site-packages', '/gnu/store/az5yw33ifrrdws0fmaahsvdlgvwid-pytho  
n-wcwidth-0.1.8/lib/python3.9/site-packages', '/gnu/store/nl58q651x8dbhmxp62i345p24zmpi4r1-python-toml-0.10.2/  
lib/python3.9/site-packages', '/gnu/store/84si0j45zxbgmvyaa51yhrfj5iz0v2wx-python-six-bootstrap-1.16.0/lib/pyt  
hon3.9/site-packages', '/gnu/store/k49pbvmdlv7cjhfgsgkdjvq4rd94gx7x-python-py-1.10.0/lib/python3.9/site-packag  
es', '/gnu/store/1dh3ra00qakpp27jpl88m36rl1ij495z-python-luggy-0.13.1/lib/python3.9/site-packages', '/gnu/sto  
re/mpcslgygybwvlv6jvail06df27nbgwpp8-python-more-itertools-8.2.0/lib/python3.9/site-packages', '/gnu/store/lhss  
sslmrxmsyrd4w9zv8gbbp7zncdq8-python-iniconfig-1.1.1/lib/python3.9/site-packages', '/gnu/store/74kivpqcjsn7r6n5  
3zarspdxgkqgl14-python-attrs-bootstrap-21.2.0/lib/python3.9/site-packages', '/gnu/store/0pi8kjdwkszh1k1qw8asm  
29rzms32s269-python-pep517-bootstrap-0.9.1/lib/python3.9/site-packages', '/gnu/store/5whaphwnvjab8zbi3mw4ra9936  
15n4yz-python-typing-extensions-4.0.1/lib/python3.9/site-packages', '/gnu/store/csqqgkLm3rf87f518m8mf2sd5qr9v  
as-python-mypy-extensions-0.4.3/lib/python3.9/site-packages', '/gnu/store/ymzrw1r862g6s0bdjbcx05q23bd14rp9-pyt  
hon-zstandard-0.15.2/lib/python3.9/site-packages', '/gnu/store/cgx4l0ip27ikc9jb0clligicm2g38r71-python-publics  
uffix2-2.20191221/lib/python3.9/site-packages', '/gnu/store/487fllx1blcv5ciji72z87k561j3vrrl2-python-wsproto-0.  
15.0/lib/python3.9/site-packages', '/gnu/store/adgjadg19siip20p0xhkpyjdnjjcd654a-python-urwid-2.1.2/lib/python3.  
9/site-packages', '/gnu/store/yg4vrd6wk6pwnqysgb9s78vd3kjcvcs6a-python-tornado-6.1/lib/python3.9/site-packages  
' , '/gnu/store/014yqh7c7lic3qsdvzwmvf01izf9r2-python-sortedcontainers-2.1.0/lib/python3.9/site-packages', '  
/gnu/store/1318qg8jgz4q365i4wqca4m94hk7mday-python-ruamel.yaml-0.16.13/lib/python3.9/site-packages', '/gnu/sto  
re/ac1nj53rpn8ki2npa0s6bcrcprgf7zq6-python-pyperclip-1.8.2/lib/python3.9/site-packages', '/gnu/store/f9a6smln5z  
5240d9klmk5jg8b6mnqiw1-python-pyparsing-3.0.6/lib/python3.9/site-packages', '/gnu/store/ywd681xl21n82g6ckqgyym  
bkx4xydgk2-python-pyopenssl-22.0.0/lib/python3.9/site-packages', '/gnu/store/402g4rs62bn5xzkdwbmsghddbv2ribp-  
python-protobuf-3.20.1/lib/python3.9/site-packages', '/gnu/store/y2y1l1gisw2rc0yqjh4y6xjplm5ggz4fv-python-passl  
ib-1.7.4/lib/python3.9/site-packages', '/gnu/store/gb95h77225vk3dnnvzqbbhpd192v7w2h-python-msgpack-1.0.3/lib/p  
ython3.9/site-packages', '/gnu/store/a114apk3jmhbv01lq37hq9v4w4jzvg1b-python-ldap3-2.7/lib/python3.9/site-pack  
ages', '/gnu/store/vni7bai89v212agky7aihvf1kwd6iwr-python-kaitaistruct-0.10/lib/python3.9/site-packages', '/g  
nu/store/8z52kxfrn9bnghi5zvaqa7b9ss7hq9vh-python-hyperframe-6.0.1/lib/python3.9/site-packages', '/gnu/store/rw  
pkqrm75994jnjw9lmf687p6xbylq6x-python-h2-4.1.0/lib/python3.9/site-packages', '/gnu/store/v8gnbywnqznlrbvd2xv5c  
j304020xfb8-python-h11-0.12.0/lib/python3.9/site-packages', '/gnu/store/lmi55b4fmdr206i16gmwrdgzafn0b97r-pytho  
n-cryptography-36.0.1/lib/python3.9/site-packages', '/gnu/store/5fxcv0p9qamcvlhb9jpbx1xyb31ahlh-python-brotli  
-1.0.9/lib/python3.9/site-packages', '/gnu/store/i9ddvfy9vgzmfmxh28slbi0zc8xyk8zn5-python-blinker-1.4/lib/pytho  
n3.9/site-packages', '/gnu/store/yxxandg09ln1wmsjjad60wpd5z9vcli-python-asgiref-3.4.1/lib/python3.9/site-pack  
ages', '/gnu/store/bj5dla0asmnz9qxxjcb6wa9fww96qd-python-lxml-4.6.3/lib/python3.9/site-packages', '/gnu/stor  
e/5nk33ifpx1jrwvsambdcnwxrxqlkji-python-soupsieve-2.2.1/lib/python3.9/site-packages', '/gnu/store/5b7kyvmsi  
p8i4phsdsfv48synwn0964-python-werkzeug-2.0.2/lib/python3.9/site-packages', '/gnu/store/idwg7yli71kdaadqav6xn5x  
zb6rcp20-python-jinja2-3.1.1/lib/python3.9/site-packages', '/gnu/store/bxrh6gxczls7wf35kfv0p4n8hk0428m-pytho  
n-importlib-metadata-4.11.3/lib/python3.9/site-packages', '/gnu/store/q1ckfz534jr32c3dvykwj05ybsf10hq7-python-  
chardet-3.0.4/lib/python3.9/site-packages', '/gnu/store/g53zkr19vz43mrx9h0gigj31f4smn411-python-webencodings-0  
.5.1/lib/python3.9/site-packages', '/gnu/store/cl3nc3lbzgjif5c4fz0g0h34bjaibf6-python-six-1.16.0/lib/python3.

```
9/site-packages', '/gnu/store/q06w09f937q54kwwb3sf8z8dqygn0gil-python-pyrsistent-0.16.0/lib/python3.9/site-pac
kages', '/gnu/store/88rlck93vmrdsavfm2hh99gzdsdaaf7-python-attrs-21.2.0/lib/python3.9/site-packages', '/gnu/s
tore/wzkwyppg2wx3k21sw48zmjgnvcczzcxi-python-wheel-0.37.0/lib/python3.9/site-packages', '/gnu/store/7mcfqhl6v3
2k7bw4cv59bh9yq1kippxf-python-filelock-3.0.12/lib/python3.9/site-packages', '/gnu/store/fhiv69glcxg9grxawbxa
qqj90hhsjq-python-distlib-0.3.1/lib/python3.9/site-packages', '/gnu/store/261dzj9xcirdrh7narm79gqgca2ka3dh-pyt
hon-appdirs-1.4.3/lib/python3.9/site-packages', '/gnu/store/diym1f8k82db89yn55vqgh4923irgq8-python-ruamel.yam
l1.clib-0.2.6/lib/python3.9/site-packages', '/gnu/store/myxyl0nn6l1nrpfyvx20rq4416kmc25k1-python-bcrypt-3.2.0/li
b/python3.9/site-packages', '/gnu/store/6hb6zs58gia4z75xgf32d4c82qh8iavd-python-pyasn1-0.4.8/lib/python3.9/sit
e-packages', '/gnu/store/m0x8jwdhip0p7qmlpfqv6cfq7k9aspz-python-gssapi-1.6.12/lib/python3.9/site-packages', '
/gnu/store/kjyl2km9wa5mpcfw2mq7r5r4x3q471gl-python-hpack-4.0.0/lib/python3.9/site-packages', '/gnu/store/jlx0r
8vnr17ywdls9g9cmjlgwlkznlmv-python-iso8601-0.1.13/lib/python3.9/site-packages', '/gnu/store/w4hxd7w2nlwj4y2yg
3yif4mip508b59-python-idna-2.10/lib/python3.9/site-packages', '/gnu/store/p09ad3pwazgjcblw941mwq0jgd41z1p-pyt
hon-cffi-1.14.4/lib/python3.9/site-packages', '/gnu/store/5ilf1cq3fn6mx3k20pv5pak2vnd3ybx-python-asn1crypto-1
.4.0/lib/python3.9/site-packages', '/gnu/store/jbxjcw2f6nkigzrf4qp8avx7yckbys-python-requests-2.26.0/lib/pyt
hon3.9/site-packages', '/gnu/store/9qikfahx9wschf8jjlk02qp8mzbfmcm-python-markupsafe-2.0.1/lib/python3.9/site
-packages', '/gnu/store/613kbcqicf9acvi0hvdarbfz6pzx3j-python-zipp-1.0.0/lib/python3.9/site-packages', '/gnu
/store/f0aa3qbah14mgmwdl6xn0wbhnm15b0jm-python-decorator-5.0.9/lib/python3.9/site-packages', '/gnu/store/m5p8i
invgblysm6j1bg9vp27cr7yb0q-python-pyparser-2.20/lib/python3.9/site-packages', '/gnu/store/jm4dq8vksmaq7mcbkq
115wpcpv8qaqf-python-urllib3-1.26.7/lib/python3.9/site-packages', '/gnu/store/vwbx61b3ihpnc2djd4iqghwa8ygb8dc
q-python-charset-normalizer-2.0.5/lib/python3.9/site-packages', '/gnu/store/hyglphskalgnm3q0jfdzk820plql155i-p
ython-certifi-2020.12.5/lib/python3.9/site-packages', '/gnu/store/d39sw9kp42vf7wxqkb9ig2ydbq519bb-python-pyso
cks-1.7.1/lib/python3.9/site-packages', '/gnu/store/papscspynmdi51jmgw5x5wbi9ijc1xj-python-3.9.9/lib/python3.
9/site-packages']
in launch.py sys.executable is /gnu/store/fby61226w8kh2mwkzpjajmgy0qlkxli-python-wrapper-3.9.9/bin/python
Haketilo proxy 3.0b1
Copyright (C) 2021,2022 Wojtek Kosior and contributors.
License GPLv3+: GNU AGPL version 3 or later <https://gnu.org/licenses/gpl.html>
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
```

## Output of haketilo:

```
in launch.py os.environ is environ({'GUIX_PYTHONPATH': '/gnu/store/lgnlgh0y42lx7ac4kzxs9vi01zx7cazm-hydrilla-3
.0b1/lib/python3.9/site-packages:/gnu/store/06pzz72mv7k4mlhww9hbkfdqngv3z59m-python-setuptools-scm-6.3.2/lib/p
ython3.9/site-packages:/gnu/store/9sv7c6yxrqkms514rsbvds883ypwfm4i-python-babel-2.9.0/lib/python3.9/site-packa
ges:/gnu/store/fb67v15n28vslmh54nx9jfmPAYB85895-python-pytest-6.2.5/lib/python3.9/site-packages:/gnu/store/whw
4mwikday8pzjg83vcqcgfwlvn39x-python-pypa-build-0.7.0/lib/python3.9/site-packages:/gnu/store/ghawmvzzslwrch9mx
81iwbfglabwfhyp-python-mypy-0.942/lib/python3.9/site-packages:/gnu/store/a3bkrj85wrba8f08hbmglgcdnbqsrq2g-pyth
on-types-requests-2.26.0/lib/python3.9/site-packages:/gnu/store/gpk0i5i4b6ssqnm7q8nflwd3bvxsfmf-mitmproxy-8.1
.1/lib/python3.9/site-packages:/gnu/store/2hqa8plqilxsfqv2kkwy0k21jxpc2z2-python-beautifulsoup4-4.10.0/lib/py
thon3.9/site-packages:/gnu/store/v301fyk48gm977a8his728ck0f7mhyyg-python-click-8.1.2/lib/python3.9/site-packag
es:/gnu/store/jvh5iwwzqnv8x1ldrldh5l6p4mb9j1bs-python-flask-2.1.1/lib/python3.9/site-packages:/gnu/store/ab47b
r45j1lzx6pyjdl86q7kqfd7mnkb-python-gnupg-0.4.8/lib/python3.9/site-packages:/gnu/store/x4s7jng9lj5dsrb3bc1q3fgg
vh8577nd-python-html5lib-1.1/lib/python3.9/site-packages:/gnu/store/9a5rbkm0klwi9fm7zflwmcnr8m96prmy-python-im
mutables-0.19/lib/python3.9/site-packages:/gnu/store/3yym0cchxng9vqcrsxmjhjaaf12cfs6c-python-itsdangerous-2.0.
1/lib/python3.9/site-packages:/gnu/store/ii5rvjy0va7bhwh25dk0ncl2nxjja860-python-jsonschema-3.2.0/lib/python3.
9/site-packages:/gnu/store/q5sca9kbgdwqyv7ppkzplppz2q0kwhsx-reuse-0.14.0/lib/python3.9/site-packages:/gnu/stor
e/papscspynmdi51jmgw5x5wbi9ijc1xj-python-3.9.9/lib/python3.9/site-packages:/gnu/store/4k52mqy3c7dkgfmvg121lqz
3k9vx6gz5-python-tomli-2.0.0/lib/python3.9/site-packages:/gnu/store/vr16bf0b1bzmzcvkva708fng3qlcfwh-python-pa
ckaging-bootstrap-21.3/lib/python3.9/site-packages:/gnu/store/fkx18fndk6cab2jr2ymafmd18x7x9pdj9-python-pytz-202
1.1/lib/python3.9/site-packages:/gnu/store/az5yw33ifrrdws0fmgmaalhsvd1gwid-python-cwidht-0.1.8/lib/python3.9
/site-packages:/gnu/store/n158q651x8dbhmxp62i345pz4zmpi4r1-python-toml-0.10.2/lib/python3.9/site-packages:/gnu
/store/84si0j45zxbgkmyva51yhrfj5iz0v2wx-python-six-bootstrap-1.16.0/lib/python3.9/site-packages:/gnu/store/k49
pbvmdlv7cjhfgsgkdjqv4rd94gx7x-python-py-1.10.0/lib/python3.9/site-packages:/gnu/store/ldh3ra00qakpp27jpl88m36r
1lij495z-python-pluggy-0.13.1/lib/python3.9/site-packages:/gnu/store/mpcslygybvwlv6jvail06df27nbgwpp8-python-m
ore-itertools-8.2.0/lib/python3.9/site-packages:/gnu/store/lhssslmrxmsyr4w9zv8gbbp7zncdq8-python-iniconfig-1
.1.1/lib/python3.9/site-packages:/gnu/store/74kivpqcjsn7r6n53zarspdwxgkbl14-python-attrs-bootstrap-21.2.0/lib
/python3.9/site-packages:/gnu/store/0pi8kjdwkszh1k1qw8asm29rm32s269-python-pep517-bootstrap-0.9.1/lib/python3
.9/site-packages:/gnu/store/5whaphwnvjab8zbi3mw4ra993615n4yz-python-typing-extensions-4.0.1/lib/python3.9/site
-packages:/gnu/store/csqqgk1m3rf8f7p518m8mf2sd5qr9vas-python-mypy-extensions-0.4.3/lib/python3.9/site-packages
:/gnu/store/ymzrw1r862g6s0bdjbcx05q23bd14rp9-python-zstandard-0.15.2/lib/python3.9/site-packages:/gnu/store/cg
x410ip27ikc9jb0c11igicm2g38r71-python-publicsuffix2-2.20191221/lib/python3.9/site-packages:/gnu/store/487fx11b
lcv5ciji72z87k561j3vrr1z-python-wsproto-0.15.0/lib/python3.9/site-packages:/gnu/store/adgjag19saiip20p0xhkpyjdn
jjcd654a-python-urwid-2.1.2/lib/python3.9/site-packages:/gnu/store/yg4vrd6wk6pwnqysgb9s78vd3kjcvs6a-python-tor
nado-6.1/lib/python3.9/site-packages:/gnu/store/014qywhp7c7lic3qsdvzwmvf0lizf9r2-python-sortedcontainers-2.1.0
/lib/python3.9/site-packages:/gnu/store/l318qq8jgz4q36514wgca4m94hk7mday-python-ruamel.yaml-0.16.13/lib/python
3.9/site-packages:/gnu/store/acln1j53rpn8ki2npa0s6brcrcprgf7zq6-python-pyperclip-1.8.2/lib/python3.9/site-packag
es:/gnu/store/f9a6smln5z5240d9k1mk5jg8b6mniwl-python-pyparsing-3.0.6/lib/python3.9/site-packages:/gnu/store/y
wd681xl21n82g6ckqgyymbkx4xydk2-python-pyopenssl-22.0.0/lib/python3.9/site-packages:/gnu/store/402g4rs62bn5xzk
xdwmbshgddb2ribp-python-protoobuf-3.20.1/lib/python3.9/site-packages:/gnu/store/y2yl1g1sw2rc0yqjh4y6xjplm5ggz4
fv-python-passlib-1.7.4/lib/python3.9/site-packages:/gnu/store/gb95h77225vk3dnnvzqbbhpd192v7w2h-python-msgpack
-1.0.3/lib/python3.9/site-packages:/gnu/store/a114apk3jmhbv01lq37hq9v4w4jzgv1b-python-ldap3-2.7/lib/python3.9/
```

site-packages:/gnu/store/vni7bai89v2l2agky7aihvfllkwd6iwr-python-kaitaistruct-0.10/lib/python3.9/site-packages  
:/gnu/store/8z52kxfrn9bnghi5zvaqa7b9ss7hq9vh-python-hyperframe-6.0.1/lib/python3.9/site-packages:/gnu/store/rw  
pkqrm75994jnjw9lmf687p6xbylq6x-python-h2-4.1.0/lib/python3.9/site-packages:/gnu/store/v8gnbynwqznlrbvd2xv5cj30  
4020xfb8-python-h11-0.12.0/lib/python3.9/site-packages:/gnu/store/lmi55b4fmdr206i16gmwrddgafn0b97r-python-cryp  
tography-36.0.1/lib/python3.9/site-packages:/gnu/store/5fxcv0p9qamcvwlib9jpbxlyxb3iahlh-python-brotli-1.0.9/li  
b/python3.9/site-packages:/gnu/store/i9ddvfy9vgzmfxfh28slbi0zc8xyk8zn5-python-blinker-1.4/lib/python3.9/site-pa  
ckages:/gnu/store/yxxandq09l1nlwmsjjad60wpd5z9vcl1-0.3.4/lib/python3.9/site-packages:/gnu/store/  
/bj5dla0asmnzh9qxxjqc6wa9fww96qd-python-lxml-4.6.3/lib/python3.9/site-packages:/gnu/store/5nk33ifpxxljrvwsamb  
dcnxwrxqlkji-python-soupsieve-2.2.1/lib/python3.9/site-packages:/gnu/store/5b7kyvwxmsip8i4phsdsfv48synwn0964-p  
ython-werkzeug-2.0.2/lib/python3.9/site-packages:/gnu/store/idwg7yli7l1kdaadqav6xn5xzb6rkcp20-python-jinja2-3.1  
.1/lib/python3.9/site-packages:/gnu/store/bxrh6gxczls7wf35kfvdp4n8hk0428m-python-importlib-metadata-4.11.3/li  
b/python3.9/site-packages:/gnu/store/qlckfz534jr3c23dvykwj05ybsf10hq7-python-charDET-3.0.4/lib/python3.9/site-  
packages:/gnu/store/g53zkr19vz43mrx9h0gij31f4smn411-python-webencodings-0.5.1/lib/python3.9/site-packages:/gn  
u/store/cl3nc3lbgzjif5c4fz0g0h34bjaibf6-python-six-1.16.0/lib/python3.9/site-packages:/gnu/store/q06w09f937q5  
4kwwb3sfg8zdqygn0gil-python-pyrsistent-0.16.0/lib/python3.9/site-packages:/gnu/store/88rlck93vmrdsavfm2hh99gz  
dsdaaf7-python-attrs-21.2.0/lib/python3.9/site-packages:/gnu/store/wzkwyppg2wx3k2lsw48zmjgncvcczcxixi-python-whe  
el-0.37.0/lib/python3.9/site-packages:/gnu/store/7mcfqh16v32k7bw4cv59bh9yq1kippxf-python-filelock-3.0.12/lib/p  
ython3.9/site-packages:/gnu/store/fhiv69glcxg9grxawwbxpaqqj90hhsjq-python-distlib-0.3.1/lib/python3.9/site-pac  
kages:/gnu/store/26ldzj9xcirdrh7narm79gqgca2ka3dh-python-appdirs-1.4.3/lib/python3.9/site-packages:/gnu/store/  
diym1fxx82db89yn55vqgh4923irggh8-python-ruamel.yaml.clib-0.2.6/lib/python3.9/site-packages:/gnu/store/myxyl0nn  
61nrpfyv20rq4416kmc25k1-python-bcrypt-3.2.0/lib/python3.9/site-packages:/gnu/store/6hb6zs58gia4z75xgf32d4c82q  
h8iavd-python-pyasnl-0.4.8/lib/python3.9/site-packages:/gnu/store/m0x8jwdhip0p7qmplfvq6cfq7kh9aspz-python-gssa  
pi-1.6.12/lib/python3.9/site-packages:/gnu/store/kjyl2km9wa5mpcfw2mq7r5r4x3q47lgl-python-hpack-4.0.0/lib/pytho  
n3.9/site-packages:/gnu/store/jlx0r8vnrl7ywdls9g9cmjlgwkznlmw-python-iso8601-0.1.13/lib/python3.9/site-packag  
es:/gnu/store/w4hxd7w2nlwj4yj2yg3yif4mip508b59-python-idna-2.10/lib/python3.9/site-packages:/gnu/store/p09ad3p  
wazgjcfblzw94lmwq0jgd41zp-python-cffi-1.14.4/lib/python3.9/site-packages:/gnu/store/5ilflc3qf3n6mx3k20pv5pak2vn  
d3ybx-d-python-asn1crypto-1.4.0/lib/python3.9/site-packages:/gnu/store/jbxjcwbb2f6nkigzrf4qp8avx7yckbys-python-  
requests-2.26.0/lib/python3.9/site-packages:/gnu/store/9qikfahx9wscfh8j1k02qp8mzbfmcm-python-markupsafe-2.0.  
1/lib/python3.9/site-packages:/gnu/store/6l3kcbccqcf9acvi0hvdarbfnz6pz3j-python-zipp-1.0.0/lib/python3.9/site-  
packages:/gnu/store/f0aa3qbah14mgmwdl6xn0wbnhm15b0jm-python-decorator-5.0.9/lib/python3.9/site-packages:/gnu/  
store/m5p8iinvgblysym6j1bg9vp27cr7yb0q-python-pycparser-2.20/lib/python3.9/site-packages:/gnu/store/jm4dq8vksm  
aq7mcbkqll5wpcpqv8qaqf-python-urllib3-1.26.7/lib/python3.9/site-packages:/gnu/store/vwbx6l3ihpncw2dj4iqghwa8y  
gb8dcq-python-charset-normalizer-2.0.5/lib/python3.9/site-packages:/gnu/store/hyglphskalgknm3q0jfdzk820plql155i  
-python-certifi-2020.12.5/lib/python3.9/site-packages:/gnu/store/d39sw9kp42vf7wxqkb9iq2ydbq519bb-python-pysoc  
ks-1.7.1/lib/python3.9/site-packages', 'PWD': '/home/jacobk/Programs/Haketiilo-source/hydrilla-3.0b1', 'LOGNAME  
' : 'jacobk', 'TEMPDIR': '/tmp', 'HOME': '/home/jacobk', 'TMPDIR': '/tmp', 'USER': 'jacobk', 'TEMP': '/tmp', 'S  
HLVL': '1', 'GUIX\_ENVIRONMENT': '/gnu/store/9kylrdlp645nwwj40kisa227vqnxirs3-profile', 'TMP': '/tmp', 'PATH':  
' /gnu/store/9kylrdlp645nwwj40kisa227vqnxirs3-profile/bin'})  
in launch.py sys.path is ['/gnu/store/lnglth0y42lx7ac4kzxsx9vi01zx7cazm-hydrilla-3.0b1/bin', '/gnu/store/papscs  
pynmdi5l1mngw5x5wbi9ijclxj-python-3.9.9/lib/python3.9.zip', '/gnu/store/papscspynmdi5l1mngw5x5wbi9ijclxj-python-  
3.9.9/lib/python3.9', '/gnu/store/papscspynmdi5l1mngw5x5wbi9ijclxj-python-3.9.9/lib/python3.9/lib-dynload', '  
' /gnu/store/lnglth0y42lx7ac4kzxsx9vi01zx7cazm-hydrilla-3.0b1/lib/python3.9/site-packages', '/gnu/store/06pzx72mv  
7k4mlhww9hbkfqnvg3z59m-python-setuptools-scm-6.3.2/lib/python3.9/site-packages', '/gnu/store/9sv7c6yxrqksm514  
rsbvs883ypwfm4i-python-babel-2.9.0/lib/python3.9/site-packages', '/gnu/store/fb67v15n28vslmh54nx9jfmPAYB85895  
-python-pytest-6.2.5/lib/python3.9/site-packages', '/gnu/store/whw4mwikdayp8pzjg83vcqcgfwlvn39x-python-pypa-bu  
ild-0.7.0/lib/python3.9/site-packages', '/gnu/store/ghawmvzslwrch9mx8liwbfglabwfhyp-python-mypy-0.942/lib/pyt  
hon3.9/site-packages', '/gnu/store/a3bkrj85wrba8f08hbmglgcdnbqsrq2g-python-types-requests-2.26.0/lib/python3.9  
/site-packages', '/gnu/store/qpk0i5i4b6ssqnmq7q8nflwd3bvxsfmf-mitproxy-8.1.1/lib/python3.9/site-packages', '  
' /gnu/store/2hqai8p1qilxsfvgv2kkyw0k21jxpc2z2-python-beautifulsoup4-4.10.0/lib/python3.9/site-packages', '  
' /gnu/st  
ore/v30lfyk48gm977a8his728ck0f7mhyyg-python-click-8.1.2/lib/python3.9/site-packages', '/gnu/store/jvh5iVwzqnv8  
xl1drldh5l6p4mb9j1bs-python-flask-2.1.1/lib/python3.9/site-packages', '/gnu/store/ab47br45j1lxz6pyjdl86q7kqfd7  
mnkb-python-gnupg-0.4.8/lib/python3.9/site-packages', '/gnu/store/x4s7jng9lj5dsrb3bc1g3fgqvh8577nd-python-html  
5lib-1.1/lib/python3.9/site-packages', '/gnu/store/9a5rbkm0k1wi9fm7zflwmcnr8m96prmy-python-immutable-0.19/lib  
python3.9/site-packages', '/gnu/store/3yym0cchxng9vqcrsxmjhjaaf12cfs6c-python-itsdangerous-2.0.1/lib/python3.  
9/site-packages', '/gnu/store/ii5rvjy0va7bhwh25dk0ncl2nxjj8a60-python-jsonschema-3.2.0/lib/python3.9/site-pack  
ages', '/gnu/store/q5sca9kbgdwqyv7ppkpz1ppz2q0kwhsx-reuse-0.14.0/lib/python3.9/site-packages', '/gnu/store/4k5  
2mqy3c7dkgfmxgl21lzq3k9vx6gz5-python-tomli-2.0.0/lib/python3.9/site-packages', '/gnu/store/vr16bf0blbzmzvckva7  
08fpng3qlcfwh-python-packaging-bootstrap-21.3/lib/python3.9/site-packages', '/gnu/store/fkx18fnk6cab2jr2ymafmd  
18x7x9pdj9-python-pytz-2021.1/lib/python3.9/site-packages', '/gnu/store/az5yw33ifrrdws0fqmaalhsvdlgwid-python  
n-wcwidth-0.1.8/lib/python3.9/site-packages', '/gnu/store/nl58q651x8dbhmxp62i345pz4zmp14rl-python-toml-0.10.2/  
lib/python3.9/site-packages', '/gnu/store/84si0j45zxbgmvyva51yhrfj5iz0v2wx-python-six-bootstrap-1.16.0/lib/pyt  
hon3.9/site-packages', '/gnu/store/k49pbvmdlv7cjfhfgsgkdjv4rd94gx7x-python-py-1.10.0/lib/python3.9/site-packag  
es', '/gnu/store/ldh3ra00qakpp27jpl88m36rl1ij495z-python-pluggy-0.13.1/lib/python3.9/site-packages', '/gnu/sto  
re/mpcslygybwv1v6jvail06df27nbgwpp8-python-more-itertools-8.2.0/lib/python3.9/site-packages', '/gnu/store/lhss  
sslmrxmsyrd4w9zv8gpbp7zncdq8-python-iniconfig-1.1.1/lib/python3.9/site-packages', '/gnu/store/74kivpqcjsn7r6n5  
3zarspdxgkbl14-python-attrs-bootstrap-21.2.0/lib/python3.9/site-packages', '/gnu/store/0p18kjdwkszh1k1qwa8asm  
29rzm32s269-python-pep517-bootstrap-0.9.1/lib/python3.9/site-packages', '/gnu/store/5whaphwnvjab8zbi3mw4ra9936  
15n4yz-python-typing-extensions-4.0.1/lib/python3.9/site-packages', '/gnu/store/csqqgk1m3rf8f7p518m8mf2sd5qr9v  
as-python-mypy-extensions-0.4.3/lib/python3.9/site-packages', '/gnu/store/ymzrwl862g6s0bdjbcx05q23bd14rp9-pyt  
hon-zstandard-0.15.2/lib/python3.9/site-packages', '/gnu/store/cgx410ip27ikc9jb0c1ligicm2g38r7l-python-publics  
uffix2-2.20191221/lib/python3.9/site-packages', '/gnu/store/487fxllblcv5ciji72z87k561j3vrr1z-python-wsproto-0.  
15.0/lib/python3.9/site-packages', '/gnu/store/adggag19siip20p0xhkyjdnjjcd654a-python-urwid-2.1.2/lib/python3.  
9/site-packages', '/gnu/store/yg4vrd6wk6pwnqysgb9s78vd3kjcv6a-python-tornado-6.1/lib/python3.9/site-packages  
' , '/gnu/store/014qywhp7c7lic3qsdvzwmvf0lizf9r2-python-sortedcontainers-2.1.0/lib/python3.9/site-packages', '  
' /gnu/store/l318qg8jgz4q365i4wgca4m94hk7mday-python-ruamel.yaml-0.16.13/lib/python3.9/site-packages', '/gnu/stor

e/ac1nj53rpn8ki2npa0s6bcrcprgf7zq6-python-pyperclip-1.8.2/lib/python3.9/site-packages', '/gnu/store/f9a6smln5z5240d9k1mk5jg8b6mnqiw1-python-pyparsing-3.0.6/lib/python3.9/site-packages', '/gnu/store/ywd681xl21n82g6ckqgyymbxx4xydgk2-python-pyopenssl-22.0.0/lib/python3.9/site-packages', '/gnu/store/402g4rs62bn5zxxkdwmbshgddbv2ribp-python-protobuf-3.20.1/lib/python3.9/site-packages', '/gnu/store/y2y1l1qisw2rc0yqjh4y6xjpm15ggz4fv-python-passlib-1.7.4/lib/python3.9/site-packages', '/gnu/store/gb95h77225vk3dnnvzqbbhpd192v7w2h-python-msgpack-1.0.3/lib/python3.9/site-packages', '/gnu/store/a114apk3jmhbv01lq37hq9v4w4jzgv1b-python-ldap3-2.7.1/lib/python3.9/site-packages', '/gnu/store/vni7bai89v212agky7aihvf1kwd6iwr-python-kaitaistruct-0.10/lib/python3.9/site-packages', '/gnu/store/8z52kxfrn9bngih5zvaqa7b9ss7hq9v9h-python-hyperframe-6.0.1/lib/python3.9/site-packages', '/gnu/store/rwpkqm75994jnjw9lmf687p6xbylq6x-python-h2-4.1.0/lib/python3.9/site-packages', '/gnu/store/v8gnbynwqznlrbvd2xv5cj304020xf8b-python-h11-0.12.0/lib/python3.9/site-packages', '/gnu/store/lmi55b4fmdr206i16gmwrwdgzafn0b97r-python-cryptography-36.0.1/lib/python3.9/site-packages', '/gnu/store/5fxcv0p9qamcvwlib9jpbxlyb3iah1h-python-brotli-1.0.9/lib/python3.9/site-packages', '/gnu/store/i9ddvyf9vgzmfxxh28slbi0zc8xyk8zn5-python-blinker-1.4/lib/python3.9/site-packages', '/gnu/store/yxxandg09ln1wmsjjad60wpd5z9vcli-python-asgiref-3.4.1/lib/python3.9/site-packages', '/gnu/store/bj5d1a0asmnzh9qqxjcb6wa9fww96qd-python-lxml-4.6.3/lib/python3.9/site-packages', '/gnu/store/5nk33ifpxx1jrvwsambdcnwxrxqlkjiw-python-soupsieve-2.2.1/lib/python3.9/site-packages', '/gnu/store/5b7kyvmsip8i4phsdsfv48synwn0964-python-werkzeug-2.0.2/lib/python3.9/site-packages', '/gnu/store/idwg7yli71kdaadqav6xn5xzb6rkcp20-python-jinja2-3.1.1/lib/python3.9/site-packages', '/gnu/store/bxrh6gxczls7wf35kfvd0p4n8hk0428m-python-importlib-metadata-4.11.3/lib/python3.9/site-packages', '/gnu/store/qlckfz534jr32c3dvykwj05ybsf10hq7-python-charDET-3.0.4/lib/python3.9/site-packages', '/gnu/store/g53zkr19vz43mrx9h0gigj31f4smn411-python-webencodings-0.5.1/lib/python3.9/site-packages', '/gnu/store/cl3nc3lbgzjifp5c4fz0g0h34bjaibf6-python-six-1.16.0/lib/python3.9/site-packages', '/gnu/store/q06w09f937q54kwwb3sf8z8dqygn0gil-python-pyrsistent-0.16.0/lib/python3.9/site-packages', '/gnu/store/88rlck93vmrdsavfm2hh99gzdsdaaf7-python-attrs-21.2.0/lib/python3.9/site-packages', '/gnu/store/wzkwypp2wx3k21sw48zmjgnvcczxcxi-python-wheel-0.37.0/lib/python3.9/site-packages', '/gnu/store/7mcfqhl6v32k7bw4cv59b9yq1kippxf-python-filelock-3.0.12/lib/python3.9/site-packages', '/gnu/store/fhiv69glcxg9rxawwbxpaqqj90hnsjq-python-distlib-0.3.1/lib/python3.9/site-packages', '/gnu/store/26ldzj9xcirdrh7narm79gqgca2ka3dh-python-appdirs-1.4.3/lib/python3.9/site-packages', '/gnu/store/diymlfxxk82db89yn55vqgh4923irqgh8-python-ruamel.yaml-clib-0.2.6/lib/python3.9/site-packages', '/gnu/store/myxyl1onn61nrpfyvx20rq4416kmc25k1-python-bcrypt-3.2.0/lib/python3.9/site-packages', '/gnu/store/6hb6zs58gia4z75xgf32d4c82qh8iavd-python-pyasn1-0.4.8/lib/python3.9/site-packages', '/gnu/store/m0x8jwdhip0p7qmlpfqv6cfq7kh9aspz-python-gssapi-1.6.12/lib/python3.9/site-packages', '/gnu/store/kjyl2km9wa5mpcfw2mq7r5r4x3q47gl-python-HPack-4.0.0/lib/python3.9/site-packages', '/gnu/store/jlx0r8vnr17ywdls9g9cmjglw1kznlmv-python-iso8601-0.1.13/lib/python3.9/site-packages', '/gnu/store/w4hxd7w2nlw1j4y2yg3yif4mip508b59-python-idna-2.10/lib/python3.9/site-packages', '/gnu/store/p09ad3pwazgjcblz94lmwq0jgd41zp-python-cffi-1.14.4/lib/python3.9/site-packages', '/gnu/store/5ilflcq3fn6mx3k20pv5pak2vnd3ybx-d-python-asn1crypto-1.4.0/lib/python3.9/site-packages', '/gnu/store/jbxjcwbb2f6nkigzrf4qp8avx7yckbys-python-requests-2.26.0/lib/python3.9/site-packages', '/gnu/store/9qikfahx9wschf8jjlk0c2q8mzbfmcm-python-markupsafe-2.0.1/lib/python3.9/site-packages', '/gnu/store/613kbcqicf9acvi0hvdarfbfn6pzz3j-python-zipp-1.0.0/lib/python3.9/site-packages', '/gnu/store/f0aa3qbah14mqmwdl6xn0wbnhml5b0jm-python-decorator-5.0.9/lib/python3.9/site-packages', '/gnu/store/m5p8iinvgbylsym6j1bg9vp27cr7yb0q-python-pyparser-2.20/lib/python3.9/site-packages', '/gnu/store/jm4dq8vksmaq7mcbkq115wpcpqv8qaqf-python-urllib3-1.26.7/lib/python3.9/site-packages', '/gnu/store/vwbx61b3ihpnc2dj4iqghwa8ygb8dcq-python-charset-normalizer-2.0.5/lib/python3.9/site-packages', '/gnu/store/hyglphskalgknm3q0jfdzk820plq155i-python-certifi-2020.12.5/lib/python3.9/site-packages', '/gnu/store/d39sw9kp42vf7wxqkb9ig2ydbq519bb-python-pysocks-1.7.1/lib/python3.9/site-packages', '/gnu/store/papscspynmdi51jmgw5x5wbi9ijclxj-python-3.9.9/lib/python3.9/site-packages']

in launch.py sys.executable is /gnu/store/fby61226w8kh2mwkzpjajmgy0q1kxli-python-wrapper-3.9.9/bin/python  
in addon.py os.environ is environ({'GUIX\_PYTHONPATH': '/gnu/store/lgngh0y42lx7ac4kzxs9vi01zx7cazm-hydrilla-3.0b1/lib/python3.9/site-packages:/gnu/store/06pzz72mw7k4mlhww9hbkfcdngv3z59m-python-setuptools-scm-6.3.2/lib/python3.9/site-packages:/gnu/store/9sv7c6yxrqksm514rsbvds883ypwfm4i-python-babel-2.9.0/lib/python3.9/site-packages:/gnu/store/fb67v15n28vslmh54nx9jfmfayb85895-python-pytest-6.2.5/lib/python3.9/site-packages:/gnu/store/whw4mwikday8pzjg83vcqcfwlvn39x-python-pypa-build-0.7.0/lib/python3.9/site-packages:/gnu/store/ghawmvzslwrch9mx8liwbfglabwfhypp-python-mypy-0.942/lib/python3.9/site-packages:/gnu/store/a3bkrj85wrba8f08hbmglgcdnbqsrq2g-python-types-requests-2.26.0/lib/python3.9/site-packages:/gnu/store/qpk0i5i4b6ssqnmq7q8nflwd3bvxsfmf-mitmproxy-8.1.1/lib/python3.9/site-packages:/gnu/store/2hqai8p1q1lxsfqv2kkwy0k21jxpcz2z-python-beautifulsoup4-4.10.0/lib/python3.9/site-packages:/gnu/store/v30l1fyk48gm977a8his728ck0f7mhygg-python-click-8.1.2/lib/python3.9/site-packages:/gnu/store/jvh5iivwzgvn8x1ldrldh516p4mb9j1bs-python-flask-2.1.1/lib/python3.9/site-packages:/gnu/store/ab47br45j1lzx6pyjdl186q7kqfd7mnkb-python-gnupg-0.4.8/lib/python3.9/site-packages:/gnu/store/x4s7jng91jd5srb3bc1g3fqqv8h577nd-python-html5lib-1.1/lib/python3.9/site-packages:/gnu/store/9a5rbkm0k1wi9fm7zflwmcnr8m96prmy-python-immutable-0.19/lib/python3.9/site-packages:/gnu/store/3yym0cchxng9vqcrsxxmhjaaf12cfs6c-python-itsdangerous-2.0.1/lib/python3.9/site-packages:/gnu/store/ii5rvjy0va7bhwh25dk0ncl2nxjj8a60-python-jsonschem-3.2.0/lib/python3.9/site-packages:/gnu/store/q5sca9kbgdqwyyv7ppkplzpp2q0kwhsx-reuse-0.14.0/lib/python3.9/site-packages:/gnu/store/papscspynmdi51jmgw5x5wbi9ijclxj-python-3.9.9/lib/python3.9/site-packages:/gnu/store/4k52mqy3c7dkgfmxgl211zq3k9vx6gz5-python-tomli-2.0.0/lib/python3.9/site-packages:/gnu/store/vr16bf0b1bzmzcvkva708fpng3qlcfwh-python-packaging-bootstrap-21.3/lib/python3.9/site-packages:/gnu/store/fkx18fnk6cab2jr2ymafmdl8x7x9pdj9-python-pytz-2021.1/lib/python3.9/site-packages:/gnu/store/az5yw33ifrrdws0fmaahlsvsdlgwwid-python-wcwidth-0.1.8/lib/python3.9/site-packages:/gnu/store/nl58q651x8dbhmxp62i345pz4zmpi4rl-python-tomli-0.10.2/lib/python3.9/site-packages:/gnu/store/84si0j45zxgkvmvya51yhrfj5iz0v2wx-python-six-bootstrap-1.16.0/lib/python3.9/site-packages:/gnu/store/k49pbvmd1v7cjhfgsgkjdqv4rd94gx7x-python-py-1.10.0/lib/python3.9/site-packages:/gnu/store/lbh3ra00qakpp27jpl88m36rl1ij495z-python-pluggy-0.13.1/lib/python3.9/site-packages:/gnu/store/mpcslygybwv1v6jvial06df27nbgwpp8-python-more-itertools-8.2.0/lib/python3.9/site-packages:/gnu/store/lhssslmrxxsyrd4w9zv8gbbp7zncdq8-python-iniconfig-1.1.1/lib/python3.9/site-packages:/gnu/store/74kivpqcjsn7r6n53zarspdxgkqbl14-python-attrs-bootstrap-21.2.0/lib/python3.9/site-packages:/gnu/store/0pi8kjdwkszh1klqg8asm29rz32s269-python-pep517-bootstrap-0.9.1/lib/python3.9/site-packages:/gnu/store/5whaphnvwjab8zbi3mw4ra993615n4yz-python-typing-extensions-4.0.1/lib/python3.9/site-packages:/gnu/store/csqqkklm3rf8f7p518m8mf2sd5qr9vas-python-mypy-extensions-0.4.3/lib/python3.9/site-packages:/gnu/store/ymzrwlr862g6s0bdjbcx05q23bd14rp9-python-zstandard-0.15.2/lib/python3.9/site-packages:/gnu/store/cgx410ip27ikc9jb0c1ligicm2g38r71-python-publicsuffix2-2.20191221/lib/python3.9/site-packages:/gnu/store/487fxllblcv5ciji72z87k561j3vrr1z-python-wsproto-0.15.0/lib/python3.9/site-packages:/gnu/store/adgjag19siip20p0xhkpyjdnj

jcd654a-python-urwid-2.1.2/lib/python3.9/site-packages:/gnu/store/yg4vrd6wk6pwnqysgb9s78vd3kjcvs6a-python-torn  
ado-6.1/lib/python3.9/site-packages:/gnu/store/014qywhp7c7llic3qsdvzwmvf0lizf9r2-python-sortedcontainers-2.1.0/  
lib/python3.9/site-packages:/gnu/store/l318qg8jgz4q365i4wgca4m94hk7mday-python-ruamel.yaml-0.16.13/lib/python3  
.9/site-packages:/gnu/store/ac1nj53rpn8ki2npa0s6brcrcprgf7zq6-python-pyperclip-1.8.2/lib/python3.9/site-package  
s:/gnu/store/f9a6smln5z5240d9k1mk5jg8b6mnnqiw1-python-pyparsing-3.0.6/lib/python3.9/site-packages:/gnu/store/yw  
d681xl21n82g6ckqgyymbkx4xydgk2-python-pyopenssl-22.0.0/lib/python3.9/site-packages:/gnu/store/402g4rs62bn5xzkk  
dwbmsghddbv2r1ib-python-probobuf-3.20.1/lib/python3.9/site-packages:/gnu/store/y2y11g1sw2rc0yqj4y6xjpm15ggz4f  
v-python-passlib-1.7.4/lib/python3.9/site-packages:/gnu/store/gb95h77225vk3dnnvzqpbhpd192v7w2h-python-msgpack-  
1.0.3/lib/python3.9/site-packages:/gnu/store/all14apk3jmhbv011q37hq9v4w4jzgv1b-python-ldap3-2.7/lib/python3.9/s  
ite-packages:/gnu/store/vni7bai89v212agky7aihvf1kwwd6iwr-python-kaitaistruct-0.10/lib/python3.9/site-packages:  
/gnu/store/8z52kxfrn9bnghi5zvaqa7b9ss7hq9vh-python-hyperframe-6.0.1/lib/python3.9/site-packages:/gnu/store/rwp  
kqrm75994jnjw9lmf687p6xbylq6x-python-h2-4.1.0/lib/python3.9/site-packages:/gnu/store/v8gnbynwqznlrbvd2xv5cj304  
020xfb8-python-h11-0.12.0/lib/python3.9/site-packages:/gnu/store/lmi55b4fmdr206i16gmwrjdgzafn0b97r-python-crypt  
ography-36.0.1/lib/python3.9/site-packages:/gnu/store/5fxcv0p9qamcvwlib9jpbx1xyb3iah1h-python-brotli-1.0.9/lib  
/python3.9/site-packages:/gnu/store/i9ddvyf9vgzmfxfh28slbi0zc8xyk8zn5-python-blinker-1.4/lib/python3.9/site-pac  
kages:/gnu/store/yxxandg09lnlwmsjjad60wpd5z9vcli-python-asgiref-3.4.1/lib/python3.9/site-packages:/gnu/store/  
bj5dla0asmnzh9qqxjcb6wa9fww96qd-python-lxml-4.6.3/lib/python3.9/site-packages:/gnu/store/5nk33ifpxl1jrwsambd  
cnwxrxqlkji-python-soupsieve-2.2.1/lib/python3.9/site-packages:/gnu/store/5b7kyvxsip8i4phsdsfv48synwn0964-py  
thon-werkzeug-2.0.2/lib/python3.9/site-packages:/gnu/store/idwg7y1l71kdaadqav6xn5zxb6rkc20-python-jinja2-3.1.  
1/lib/python3.9/site-packages:/gnu/store/bxrh6gxczls7wf35kfv0p4n8hk0428m-python-importlib-metadata-4.11.3/lib  
/python3.9/site-packages:/gnu/store/qlckfz534jr32c3dvykwj05ybsf10hq7-python-chardet-3.0.4/lib/python3.9/site-p  
ackages:/gnu/store/g53zkr19vz43mrx9h0gigj31f4smn411-python-webencodings-0.5.1/lib/python3.9/site-packages:/gnu  
/store/cl3nc3lbzgjifp5c4fz0g0h34bjaibf6-python-six-1.16.0/lib/python3.9/site-packages:/gnu/store/q06w09f937q54  
kwwb3sfg8zdyqng0gil-python-pyrsistent-0.16.0/lib/python3.9/site-packages:/gnu/store/88r1c93vmrdsavfm2hh99gzd  
sdaaf7-python-attrs-21.2.0/lib/python3.9/site-packages:/gnu/store/wzkwyppg2wx3k21sw48zmjcnvcczszxi-python-whee  
l-0.37.0/lib/python3.9/site-packages:/gnu/store/7mcfqlh6v32k7bw4cv59bh9yqlkippxf-python-filelock-3.0.12/lib/py  
thon3.9/site-packages:/gnu/store/fhiv69glcxg9grxawwbxpaqqj90hhsjq-python-distlib-0.3.1/lib/python3.9/site-pack  
ages:/gnu/store/261dzj9xcirdrh7narm79gqca2ka3dh-python-appdirs-1.4.3/lib/python3.9/site-packages:/gnu/store/d  
iym1fxxk82db89yn55vqgh4923irqgh8-python-ruamel.yaml.clib-0.2.6/lib/python3.9/site-packages:/gnu/store/myxy10nn6  
1nrdfyvx20rq4416kmc25k1-python-bcrypt-3.2.0/lib/python3.9/site-packages:/gnu/store/6hb6zs58gia4z75xgf32d4c82q  
8iavd-python-pyasn1-0.4.8/lib/python3.9/site-packages:/gnu/store/m0x8jwdhip0p7qmlpfqv6cfq7kh9aspz-python-gssap  
i-1.6.12/lib/python3.9/site-packages:/gnu/store/kjyl2km9wa5mpcfw2mq7r5r4x3q47lgl-python-hpack-4.0.0/lib/pytho  
n3.9/site-packages:/gnu/store/jlx0r8vnr17ywdls9g9cmjlgwlkznlmv-python-iso8601-0.1.13/lib/python3.9/site-packag  
e:/gnu/store/w4hxd7w2nlw4y2y3yif4mip508b59-python-ida-2.10/lib/python3.9/site-packages:/gnu/store/p09ad3pw  
azgjcblz941mwq0jgd41zp-python-ffi-1.14.4/lib/python3.9/site-packages:/gnu/store/5ilflcq3fn6mx3k20pv5pak2vnd  
3yxbd-python-asn1crypto-1.4.0/lib/python3.9/site-packages:/gnu/store/jbxjchw2b2f6nkigzrf4qp8avx7yckbys-python-r  
equests-2.26.0/lib/python3.9/site-packages:/gnu/store/9qikfahx9wschf8jjlkc02qp8mzbfmcm-python-markupsafe-2.0.1  
/lib/python3.9/site-packages:/gnu/store/6l3kbcqcicf9acvi0hvdarbfnz6pzz3j-python-zipp-1.0.0/lib/python3.9/site-  
packages:/gnu/store/f0aa3qbah14mgmwdl6xn0wbnhm15b0jm-python-decorator-5.0.9/lib/python3.9/site-packages:/gnu/s  
tore/m5p8iinvqbylsym6j1bg9vp27cr7yb0q-python-pyparser-2.20/lib/python3.9/site-packages:/gnu/store/jm4dq8vksma  
q7mcbkq115wpcpqv8qaqf-python-urllib3-1.26.7/lib/python3.9/site-packages:/gnu/store/vwbx61b3ihpnwc2dj4iqghwa8yg  
b8dcq-python-charset-normalizer-2.0.5/lib/python3.9/site-packages:/gnu/store/hyglphskalgkmm3q0jfdzk820plq155i-  
python-certifi-2020.12.5/lib/python3.9/site-packages:/gnu/store/d39sww9kp42v7wxqkb9ig2ydbq519bb-python-pysock  
s-1.7.1/lib/python3.9/site-packages', 'PWD': '/home/jacobk/Programs/Haketilo-source/hydrilla-3.0b1', 'LOGNAME'  
: 'jacobk', 'TMPDIR': '/tmp', 'HOME': '/home/jacobk', 'TMPDIR': '/tmp', 'USER': 'jacobk', 'TEMP': '/tmp', 'SH  
LVL': '1', 'GUILX\_ENVIRONMENT': '/gnu/store/9kyldr1p645nwwj40kisa227vqnxirs3-profile', 'TMP': '/tmp', 'PATH': '  
/gnu/store/9kyldr1p645nwwj40kisa227vqnxirs3-profile/bin'})  
in addon.py sys.path is ['home/jacobk/.haketilo', '/gnu/store/lnglh0y421x7ac4kzxs9vi01zx7cazm-hydrilla-3.0b1  
/bin', '/gnu/store/papscspynmdi51jmgw5x5wbi9ijclxj-python-3.9.9/lib/python3.9.zip', '/gnu/store/papscspynmdi51  
jmgw5x5wbi9ijclxj-python-3.9.9/lib/python3.9', '/gnu/store/papscspynmdi51jmgw5x5wbi9ijclxj-python-3.9.9/lib/  
python3.9/lib-dynload', '/gnu/store/lnglh0y421x7ac4kzxs9vi01zx7cazm-hydrilla-3.0b1/lib/python3.9/site-package  
s', '/gnu/store/06pzz72mv7k4m1hww9hbkfqdnv3z59m-python-setuptools-scm-6.3.2/lib/python3.9/site-packages', '/g  
nu/store/9sv7c6yxrqkms514rsbvds883ypwfm4i-python-babel-2.9.0/lib/python3.9/site-packages', '/gnu/store/fb67v15  
n28vslmh54nx9jfmPAYB85895-python-pytest-6.2.5/lib/python3.9/site-packages', '/gnu/store/whw4mwikdayp8pzjg83vcq  
cgfw1vn39x-python-pypa-build-0.7.0/lib/python3.9/site-packages', '/gnu/store/ghawmvzslwrch9mx81iwbfglabwfhyp-  
python-mypy-0.942/lib/python3.9/site-packages', '/gnu/store/a3bkrj85wrba8f08hbmglgcdnbqsrq2g-python-types-requ  
ests-2.26.0/lib/python3.9/site-packages', '/gnu/store/qpk0i5i4b6ssqnmq7q8nflwd3bvxsfmf-mitproxy-8.1.1/lib/pyt  
hon3.9/site-packages', '/gnu/store/2hqai8p1qilxsfvgv2kky0k21jxpc22-python-beautifulsoup4-4.10.0/lib/python3.9  
/site-packages', '/gnu/store/v301fyk48gm977a8his728ck0f7mhyyg-python-click-8.1.2/lib/python3.9/site-packages',  
'/gnu/store/jvh5iwwzqnv8x11ldr1dh516p4mb9j1bs-python-flask-2.1.1/lib/python3.9/site-packages', '/gnu/store/ab4  
7br45j11zx6pyjdl86q7kqfd7mknk-python-gnupg-0.4.8/lib/python3.9/site-packages', '/gnu/store/x4s7jng91jd5sr3bc1  
g3fqgvh8577nd-python-httplib2-1.1/lib/python3.9/site-packages', '/gnu/store/9a5rbrkm0k1wi9fm7zflwmcnr8m96prmy-p  
ython-immutable-0.19/lib/python3.9/site-packages', '/gnu/store/3yym0cchxng9vqcrsxxmhjaaf12cfs6c-python-itsdan  
gerous-2.0.1/lib/python3.9/site-packages', '/gnu/store/ii5rvjy0va7bhwh25dk0ncl2nxjj8a60-python-jsonschema-3.2.  
0/lib/python3.9/site-packages', '/gnu/store/q5sca9kbgdwqyv7ppkzlpz2q0kwhsx-reuse-0.14.0/lib/python3.9/site-p  
ackages', '/gnu/store/4k52mqy3c7dkgfmxl211z3k9vx6z5-python-tomli-2.0.0/lib/python3.9/site-packages', '/gnu/  
store/vr16bf0blbzmzvckva708fpng3qlcfwh-python-packaging-bootstrap-21.3/lib/python3.9/site-packages', '/gnu/sto  
re/fkx18fnk6cab2jr2ymafmdl8x7x9pdj9-python-pytz-2021.1/lib/python3.9/site-packages', '/gnu/store/az5yw33ifrrd  
ps0fmaahsvdlgvwid-python-wcwidth-0.1.8/lib/python3.9/site-packages', '/gnu/store/n158q651x8dbhmxp62i345pz4zm  
pi4rl-python-toml-0.10.2/lib/python3.9/site-packages', '/gnu/store/84si0j45zxbkmvya51yhrfj5iz0v2wx-python-six  
-bootstrap-1.16.0/lib/python3.9/site-packages', '/gnu/store/k49pbvmdlv7cjhfgsgkdjqv4rd94gx7x-python-py-1.10.0/  
lib/python3.9/site-packages', '/gnu/store/1dh3ra00qakpp27jpl88m36rl1ij495z-python-pluggy-0.13.1/lib/python3.9/  
site-packages', '/gnu/store/mpcslygybvv1v6jvial06df27nbgwpp8-python-more-itertools-8.2.0/lib/python3.9/site-pa  
ckages', '/gnu/store/lhssslmrxmsyrd4w9zv8gbbp7zncdq8-python-iniconfig-1.1.1/lib/python3.9/site-packages', '/g  
nu/store/74kivpqcjsn7r6n53zarspdxgkqbl14-python-attrs-bootstrap-21.2.0/lib/python3.9/site-packages', '/gnu/st

```
ore/Opi8kjdwwskzh1klqw8asm29rzm32s269-python-pep517-bootstrap-0.9.1/lib/python3.9/site-packages', '/gnu/store/5whaphwnvjab8zbi3mw4ra993615n4yz-python-typing-extensions-4.0.1/lib/python3.9/site-packages', '/gnu/store/csqqgklm3rf8f7p518m8mf2sd5qr9vas-python-mypy-extensions-0.4.3/lib/python3.9/site-packages', '/gnu/store/ymzrwlr862g6s0bdjbcx05q23bd14rp9-python-zstandard-0.15.2/lib/python3.9/site-packages', '/gnu/store/cgx410ip27ikc9jb0c1ligicm2g38r7l-python-publicsuffix2-2.20191221/lib/python3.9/site-packages', '/gnu/store/487fxllblcv5ciji72z87k561j3vrrlz-python-wsproto-0.15.0/lib/python3.9/site-packages', '/gnu/store/adgjag19siip20p0xhkpyjdnjjcd654a-pytho
n-urwid-2.1.2/lib/python3.9/site-packages', '/gnu/store/yg4vrd6wk6pwnqysgb9s78vd3kjcvs6a-python-tornado-6.1/li
b/python3.9/site-packages', '/gnu/store/014qywhp7c7lic3qsdvzvmvf0lizf9r2-python-sortedcontainers-2.1.0/lib/pyt
hon3.9/site-packages', '/gnu/store/l318qg8jgz4q365i4wgca4m94hk7mday-python-ruamel.yaml-0.16.13/lib/python3.9/s
ite-packages', '/gnu/store/aclnj53rpn8ki2npa0s6bcrcprgf7zq6-python-pyperclip-1.8.2/lib/python3.9/site-packages
', '/gnu/store/f9a6smln5z5240d9k1mk5jg8b6mnqiw1-python-pyparsing-3.0.6/lib/python3.9/site-packages', '/gnu/sto
re/ywd681xl12ln82g6ckqgyymbkx4xydgk2-python-pyopenssl-22.0.0/lib/python3.9/site-packages', '/gnu/store/402g4rs6
2bn5xzkxdwbmshgddb2ribp-python-protobuf-3.20.1/lib/python3.9/site-packages', '/gnu/store/y2yllg1sw2rc0yqjh4y6
xjplm5ggz4fv-python-passlib-1.7.4/lib/python3.9/site-packages', '/gnu/store/gb95h77225vk3dnnvzqpbhpd192v7w2h-p
ython-msgpack-1.0.3/lib/python3.9/site-packages', '/gnu/store/a114apk3jmhbv01lq37hq9v4w4jzgv1b-python-ldap3-2.
7/lib/python3.9/site-packages', '/gnu/store/vni7bai89v212agky7aihvf1kwd6iwr-python-kaitaistruct-0.10/lib/pyth
on3.9/site-packages', '/gnu/store/8z52kxfrn9bnghi5zvaqa7b9ss7hq9vh-python-hyperframe-6.0.1/lib/python3.9/site-
packages', '/gnu/store/rwpkqrm75994jnjw9lmf687p6xbylq6x-python-h2-4.1.0/lib/python3.9/site-packages', '/gnu/sto
re/v8gnbynwqznlrbvd2xv5cj304020xfb8-python-h11-0.12.0/lib/python3.9/site-packages', '/gnu/store/lmi55b4fmdr20
6iiegmrwdgzafn0b97r-python-cryptography-36.0.1/lib/python3.9/site-packages', '/gnu/store/5fxcv0p9qamcvwlib9jpb
xlxyb3iah1h-python-brotli-1.0.9/lib/python3.9/site-packages', '/gnu/store/i9ddvyf9vgzmfzh28s1bi0zc8xyk8zn5-pyt
hon-blinker-1.4/lib/python3.9/site-packages', '/gnu/store/yxxandg09ln1wmsjjad60wpd5z9vcli-python-asgiref-3.4.
1/lib/python3.9/site-packages', '/gnu/store/bj5d1a0asmnz9qxxjqc6wa9fw96qd-python-lxml-4.6.3/lib/python3.9/si
te-packages', '/gnu/store/5nk33ifpax1jrwvsambdcnwxrxqlkjiwi-python-soupsieve-2.2.1/lib/python3.9/site-packag
es', '/gnu/store/5b7kyvmsip8i4phsdsfv48synwn0964-python-werkzeug-2.0.2/lib/python3.9/site-packages', '/gnu/stor
e/idwg7yli71kdaadqav6xn5xzb6rkcp20-python-jinja2-3.1.1/lib/python3.9/site-packages', '/gnu/store/bxrh6gxczls7w
f35kfvdp4n8hk0428m-python-importlib-metadata-4.11.3/lib/python3.9/site-packages', '/gnu/store/qlckfz534jr32c3
dvykwj05ybsf10hq7-python-charadet-3.0.4/lib/python3.9/site-packages', '/gnu/store/g53zkr19vz43mrx9h0gigj3lf4smn
411-python-webencodings-0.5.1/lib/python3.9/site-packages', '/gnu/store/cl3nc3lbzgjifp5c4fz0g0h34bjaibf6-pytho
n-six-1.16.0/lib/python3.9/site-packages', '/gnu/store/q06w09f937q54kwb3sfg8zddqygn0gil-python-pyrsistent-0.16
.0/lib/python3.9/site-packages', '/gnu/store/88rlck93vmrdsavfm2hh99gzdsdaaf7-python-attrs-21.2.0/lib/python3.
9/site-packages', '/gnu/store/wzkwyg2wx3k21sw48zmjgmvcczxcxi-python-wheel-0.37.0/lib/python3.9/site-packages
', '/gnu/store/7mcfqh16v32k7bw4cv59bh9yq1kippxf-python-filelock-3.0.12/lib/python3.9/site-packages', '/gnu/sto
re/fhiv69glcxg9grxawwbxpaqqj90hhsjq-python-distlib-0.3.1/lib/python3.9/site-packages', '/gnu/store/26ldzj9xcir
drh7narm79ggca2ka3dh-python-appdirs-1.4.3/lib/python3.9/site-packages', '/gnu/store/diym1fxk82db89yn55vqgh492
3irqqh8-python-ruamel.yaml.clib-0.2.6/lib/python3.9/site-packages', '/gnu/store/myxy10nn61nrpfyv20rq4416kmc25
kl-python-bcrypt-3.2.0/lib/python3.9/site-packages', '/gnu/store/6hb6zs58gia4z75xgf32d4c82q88iavd-python-pyasn
1-0.4.8/lib/python3.9/site-packages', '/gnu/store/m0x8jwdhip0p7qmlpfqv6cfq7kh9aspz-python-gssapi-1.6.12/lib/py
thon3.9/site-packages', '/gnu/store/kjyl2km9wa5mpcfw2mq7r5r4x3q47lgl-python-hpack-4.0.0/lib/python3.9/site-pac
kages', '/gnu/store/jlx0r8vnr17ywdls9g9cmjlgw1kznlmv-python-iso8601-0.1.13/lib/python3.9/site-packages', '/gnu
/store/w4hxd7w2nlwj4yj2yg3yif4mip508b59-python-idna-2.10/lib/python3.9/site-packages', '/gnu/store/p09ad3pwazg
jcfblzw94lmwq0jgd41zp-python-ffi-1.14.4/lib/python3.9/site-packages', '/gnu/store/5ilf1cq3fn6mx3k20pv5pak2vnd
3ybxk-python-asn1crypto-1.4.0/lib/python3.9/site-packages', '/gnu/store/jbxjcwbb2f6nkiqzrf4qp8avx7yckbys-pytho
n-requests-2.26.0/lib/python3.9/site-packages', '/gnu/store/9qikfahx9wschf8jjlk02qp8mzbfmcm-python-markupsafe
-2.0.1/lib/python3.9/site-packages', '/gnu/store/6l3kbcqcicf9acvi0hvdarbfnz6pzz3j-python-zipp-1.0.0/lib/python
3.9/site-packages', '/gnu/store/f0aa3qbah14mgmwdl6xn0wbnhm15b0jm-python-decorator-5.0.9/lib/python3.9/site-pac
kages', '/gnu/store/m5p8iinvgbylsym6j1bg9vp27cr7yb0q-python-pycparser-2.20/lib/python3.9/site-packages', '/gnu
/store/jm4dq8vksmaq7mcbkq115wpcpqv8qaqf-python-urllib3-1.26.7/lib/python3.9/site-packages', '/gnu/store/vwbx6l
b3ihpnwc2dj4iqghwa8ygb8dcq-python-charset-normalizer-2.0.5/lib/python3.9/site-packages', '/gnu/store/hyglpska
lgknn3q0jfdzk820plq155i-python-certifi-2020.12.5/lib/python3.9/site-packages', '/gnu/store/d39sw9kp42vf7wxqkb
9ig2ydbq519bb-python-pysocks-1.7.1/lib/python3.9/site-packages', '/gnu/store/papscpsynmdi51jmgngw5x5wbi9ijc1xj-
python-3.9.9/lib/python3.9/site-packages']
in addon.py sys.executable is /gnu/store/fby61226w8kh2mwkzpjpaimgy0q1kxli-python-wrapper-3.9.9/bin/python
Traceback (most recent call last):
  File "/gnu/store/lgngh0y42lx7ac4kzxs9vi01zx7cazm-hydrilla-3.0b1/lib/python3.9/site-packages/hydrilla/proxy/
addon.py", line 131, in configure
    self.state = ConcreteHaketiloState.make(haketilo_dir / 'store')
  File "/gnu/store/lgngh0y42lx7ac4kzxs9vi01zx7cazm-hydrilla-3.0b1/lib/python3.9/site-packages/hydrilla/proxy/
state_impl/concrete_state.py", line 350, in make
    connection = sqlite3.connect(
sqlite3.OperationalError: unable to open database file
Loading script /home/jacobk/.haketilo/addon.py
```

(It crashes.)

I have indeed added lots of stuff to my .bashrc file, and I didn't even know .bash\_profile was a thing (That file doesn't exist for me.), so I'll try moving all the stuff I added to .bashrc to .bash\_profile .

#### #14 - 10/13/2022 08:11 PM - jacobk

Oops, the command I forgot to put in "" was guix environment -L . --container --ad-hoc -e '@ (hydrilla) hydrilla`'.

#### #15 - 10/13/2022 08:16 PM - jacobk

After moving user-added stuff from .bashrc to .bash\_profile , guix environment -L . --check --ad-hoc -e '@ (hydrilla) hydrilla' outputs:

```
guix environment: checking the environment variables visible from shell '/bin/bash'...
guix environment: All is good! The shell gets correct environment variables.
```

But then, haketilo --version outputs:

```
Traceback (most recent call last):
  File "/gnu/store/1gnglh0y42lx7ac4kzxs9vi0lzx7cazm-hydrilla-3.0b1/bin/.haketilo-real", line 33, in <module>
    sys.exit(load_entry_point('hydrilla==3.0b1', 'console_scripts', 'haketilo')())
  File "/gnu/store/1gnglh0y42lx7ac4kzxs9vi0lzx7cazm-hydrilla-3.0b1/bin/.haketilo-real", line 25, in importlib_
load_entry_point
    return next(matches).load()
StopIteration
```

and haketilo outputs the same thing.

#### #16 - 10/13/2022 09:20 PM - koszko

```
sqlite3.OperationalError: unable to open database file
```

This error is that fault of mine which I have already identified - can be temporarily worked around by mkdir'ing ~/.haketilo/store.

I'm trying hard to think of another reason why haketilo console\_scripts entry can be found in a container but cannot be found when running without a container. In case of the binary release tarball, I noticed that when /gnu/store/<some\_directory> exists, its contents are used instead of tarball's /gnu/store/<some\_directory>. So, I think we could make one more experiment with the binary release tarball - if you want, of course. You're already volunteering a lot.

So, you could try this little hack

```
unshare -Umr # create a new user mount namespace with root privileges inside
mount -t tmpfs dummy /gnu/ # make /gnu empty inside user namespace
./haketilo # try running the binary release with empty /gnu
exit # get out of the namespace
```

If this does work, it might be an issue with the Guix packages you're holding. If it ends up with the same error (and that's my bet), there's also a chance some weird variables are set by files under `/etc/profile.d/` or similar and somehow not detected by `--check`. To verify that, we can modify the unpacked `gnu/store/ziiryffcgph9jjcdz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin/.haketilo-real` to add the following debugging lines (similar as in the patch before) at the top, just after the initial shebang line.

```
import os

print('os.environ is', os.environ)

import sys

print('sys.path is', sys.path)
```

After that, running Haketilo with an empty `/gnu` once again might give us more information.

Regardless of whether this will work, as a temporary workaround just for you, you can replace your current container command with

```
guix environment -L . --container --no-cwd --network --share=$HOME/.haketilo=$HOME/.haketilo --ad-hoc -e '@ ( (hydrilla) hydrilla)' -- haketilo
```

which will

- prevent sharing of your current directory with the container (it is not needed)
- make haketilo TCP port visible to the browser (hopefully)
- cause the `~/haketilo` directory to be the same as outside the container (this way, the same mitproxy certs will be used each time)
- run haketilo immediately, without spawning a shell

## Digression

Btw, I also used to put my own variables initialization in `~/bashrc`. And that's not without a reason - many (most?) terminal emulators out there seem to be starting bash in a way that it doesn't consider itself a login shell and does not process `~/profile` nor `~/bash_profile` at all!

Although this is not at all related to running Haketilo, I thought I'd tell you the workaround I employed. Inside `~/bashrc` I added

```
# Make this bash a login shell if running inside my preferred terminal emulator.
if [ -z "$DOT_PROFILE_SOURCED" ] && [ sakura = "$(ps -q "$PPID" -o comm=)" ];
then
    exec bash -l
fi
```

I did put it near the top, just after the following check that was present in the original, auto-generated `~/bashrc`

```
# If not running interactively, don't do anything
case $- in
    *i*) ;;
    *) return;;
esac
```

Then, I modified the part of `~/profile` that sources `~/bashrc` to define the `_DOT_PROFILE_SOURCED` variable

```
# if running bash
if [ -n "$BASH_VERSION" ]; then
    # include .bashrc if it exists
    if [ -f "$HOME/.bashrc" ]; then
        _DOT_PROFILE_SOURCED=1 . "$HOME/.bashrc"
    fi
fi
```



Now, when I open sakura (the terminal emulator I am using), the bash inside does read ~/.profile but it doesn't do so on other occasions ^^

## #17 - 10/15/2022 02:54 AM - jacobk

Using the new instructions starting with "unshare", I got

Traceback (most recent call last):

```
File "/gnu/store/ziiryffcgh9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin/.haketilo-real", line 33, in <module>
    sys.exit(load_entry_point('hydrilla==3.0b1', 'console_scripts', 'haketilo')())
File "/gnu/store/ziiryffcgh9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin/.haketilo-real", line 25, in importlib_
load_entry_point
    return next(matches).load()
StopIteration
```

so it does not work still. After adding the debug info lines at the beginning of .haketilo-real, I got

```
os.environ is environ({'SHELL': '/bin/bash', 'SESSION_MANAGER': 'local/jacobk-K55A:@/tmp/.ICE-unix/2221,unix/j
acobk-K55A:/tmp/.ICE-unix/2221', 'WINDOWID': '72101969', 'QT_ACCESSIBILITY': '1', 'COLORTERM': 'truecolor', 'X
DG_CONFIG_DIRS': '/etc/xdg/xdg-mate:/etc/xdg:/usr/share/triskel-default-settings/kf5-settings', 'XDG_SESSION_P
ATH': '/org/freedesktop/DisplayManager/Session0', 'GTK_IM_MODULE': 'ibus', 'LANGUAGE': 'en_US', 'DEVKITPRO': '
/opt/devkitpro', 'GUIX_PYTHONPATH': '/gnu/store/ziiryffcgh9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/lib/python3.9/
site-packages:/gnu/store/06pzx72mv7k4mlhww9hbkgfdngv3z59m-python-setuptools-scm-6.3.2/lib/python3.9/site-packa
ges:/gnu/store/p47c9xwrvjd9qxpqgacqdil2jgki68z-python-babel-2.9.0/lib/python3.9/site-packages:/gnu/store/h7kr
sqar0210s131x1596d4nb5wp667x-python-pytest-6.2.5/lib/python3.9/site-packages:/gnu/store/whw4mwikdayp8pzjg83vcq
cgfwlvn39x-python-pypa-build-0.7.0/lib/python3.9/site-packages:/gnu/store/4w3ac8b4pjz4icm5dfdy15kqyliwyyam-pyt
hon-mypy-0.942/lib/python3.9/site-packages:/gnu/store/a3bkrj85wrba8f08hbmglgcdnbqsrq2g-python-types-requests-2
.26.0/lib/python3.9/site-packages:/gnu/store/yym5qliid05wqmszh4c7wvhywlfdbwbk-mitproxy-8.1.1/lib/python3.9/si
te-packages:/gnu/store/2hqai8plqilxsfvgv2kkwy0k21jxpc2z2-python-beautifulsoup4-4.10.0/lib/python3.9/site-packag
es:/gnu/store/v30l1fyk48gm977a8his728ck0f7mhyyg-python-click-8.1.2/lib/python3.9/site-packages:/gnu/store/xr79n
94c95w90kridc0xpikdlfzzvcl-python-flask-2.1.1/lib/python3.9/site-packages:/gnu/store/ab47br45j1lz6pyjdl86q7k
qfd7mnkb-python-gnupg-0.4.8/lib/python3.9/site-packages:/gnu/store/x4s7jng9lj5srb3bc1g3fqgvh8577nd-python-htm
l5lib-1.1/lib/python3.9/site-packages:/gnu/store/9a5rbkm0klwi9fm7zflwmcnr8m96prmy-python-immutables-0.19/lib/p
ython3.9/site-packages:/gnu/store/3yym0cchxng9vqcrsxmshjaaf12cfs6c-python-itsdangerous-2.0.1/lib/python3.9/sit
e-packages:/gnu/store/11hva2f62waygr7k7a7f53cn7npvnfsl-python-jsonschema-3.2.0/lib/python3.9/site-packages:/gn
u/store/1iw91y5j3fprnjf8nwf6zxxvdyr6d-reuse-0.14.0/lib/python3.9/site-packages:/gnu/store/papscspynmdi5ljmn
gw5x5wbi9ijclxj-python-3.9.9/lib/python3.9/site-packages:/gnu/store/4k52mqy3c7dkgfmxgl21lzq3k9vx6gqz5-python-to
mli-2.0.0/lib/python3.9/site-packages:/gnu/store/vr16bf0blbzmzvckva708fpng3qlcfwh-python-packaging-bootstrap-2
1.3/lib/python3.9/site-packages:/gnu/store/fkx18fnk6cab2jr2ymafmdl8x7x9pdj9-python-pytz-2021.1/lib/python3.9/s
ite-packages:/gnu/store/az5yw33ifrrdws0fqmaalhsvdlgwid-python-wcwidth-0.1.8/lib/python3.9/site-packages:/gnu
/store/nl58q651x8dbhmxp62i345pz4zmpi4r1-python-toml-0.10.2/lib/python3.9/site-packages:/gnu/store/84si0j45zxgq
kmvya51yhrfj5iz0v2wx-python-six-bootstrap-1.16.0/lib/python3.9/site-packages:/gnu/store/k49pbvmdlv7cjhfgsgkdjg
v4rd94gx7x-python-py-1.10.0/lib/python3.9/site-packages:/gnu/store/ldh3ra00qakpp27jpl88m36rllij495z-python-plu
ggy-0.13.1/lib/python3.9/site-packages:/gnu/store/mpcslgygbwlv6jvail06df27nbgwpp8-python-more-itertools-8.2.0
/lib/python3.9/site-packages:/gnu/store/1hssslmrmsyrd4w9zv8gbbp7zncdq8-python-iniconfig-1.1.1/lib/python3.9/
site-packages:/gnu/store/74kivpqcjsn7r6n53zarspdxgkgl14-python-attrs-bootstrap-21.2.0/lib/python3.9/site-pac
kages:/gnu/store/0pi8kjdwkszh1kq8asm29rm32s269-python-exp517-bootstrap-0.9.1/lib/python3.9/site-packages:/gn
u/store/5whaphwnvjab8zbi3mw4ra993615n4yz-python-typing-extensions-4.0.1/lib/python3.9/site-packages:/gnu/stor
e/csqqgklm3rf8f7p518m8mf2sd5qr9vas-python-mypy-extensions-0.4.3/lib/python3.9/site-packages:/gnu/store/ymzrwlr
862g6s0bdjbcx05q23bd14rp9-python-zstandard-0.15.2/lib/python3.9/site-packages:/gnu/store/cgx410ip27ik9jb0c1li
gicm2g38r71-python-publicsuffix2-2.20191221/lib/python3.9/site-packages:/gnu/store/487fx1l1bcv5ciji72z87k561j3
vrrlz-python-wsproto-0.15.0/lib/python3.9/site-packages:/gnu/store/adgjag19siip20p0xhkpyjdnjcd654a-python-urw
id-2.1.2/lib/python3.9/site-packages:/gnu/store/yg4vr6wk6pwnqysgb9s78vd3kjcv56a-python-tornado-6.1/lib/python
3.9/site-packages:/gnu/store/014qywhp7c7lic3qsdvzwmvf0lizf9r2-python-sortedcontainers-2.1.0/lib/python3.9/sit
e-packages:/gnu/store/l3l8qg8jgz4q365i4wgca4m94hk7mday-python-ruamel.yaml-0.16.13/lib/python3.9/site-packages:/
gnu/store/ac1nj53rpn8ki2npa0s6bcrcprgf7zq6-python-pyperclip-1.8.2/lib/python3.9/site-packages:/gnu/store/f9a6s
mln5z5240d9k1mk5jg8b6mnciwl-python-pyparsing-3.0.6/lib/python3.9/site-packages:/gnu/store/ywd681xl21n82g6ckggy
ymbkx4xydgk2-python-pyopenssl-22.0.0/lib/python3.9/site-packages:/gnu/store/r16ydbsxjjlimjsgkj05bkgylylw3ifd-p
ython-protobuf-3.12.4/lib/python3.9/site-packages:/gnu/store/y2yllgisw2rc0yqjh4y6xjplm5ggz4fv-python-passlib-1
.7.4/lib/python3.9/site-packages:/gnu/store/gb95h77225vk3dnnvzqbbp192v7w2h-python-mspack-1.0.3/lib/python3.
9/site-packages:/gnu/store/a114apk3jmhbv011q37hq9v4w4jzgvlb-python-ldap3-2.7/lib/python3.9/site-packages:/gnu/
store/vni7bai89v212agky7aihvf1kwd6iwr-python-kaitaistruct-0.10/lib/python3.9/site-packages:/gnu/store/8z52kxf
rn9bnghi5zvaqa7b9ss7hq9vh-python-hyperframe-6.0.1/lib/python3.9/site-packages:/gnu/store/rwpkqrm75994jnjw91mf6
87p6xbylq6x-python-h2-4.1.0/lib/python3.9/site-packages:/gnu/store/v8gnbynwqznrbvd2xv5c3j04020xfb8-python-h11
-0.12.0/lib/python3.9/site-packages:/gnu/store/lmi55b4fmdr206ii6gmwrdgzafn0b97r-python-cryptography-36.0.1/lib
/python3.9/site-packages:/gnu/store/5fxcv0p9qamcvlib9jpbxlyb3iah1h-python-brotli-1.0.9/lib/python3.9/site-pa
ckages:/gnu/store/i9ddvyf9vgzmfxfh28slbi0zc8xyk8zn5-python-blinker-1.4/lib/python3.9/site-packages:/gnu/store/y
xxandg09ln1wmsjjad60wpd5z9vcli-python-asgiref-3.4.1/lib/python3.9/site-packages:/gnu/store/bj5dla0asmnz9qqxj
cqb6wa9fw96qd-python-lxml-4.6.3/lib/python3.9/site-packages:/gnu/store/5nk33ifpxl1jrwwsambdcnwxrxq1kji-pytho
n-soupsieve-2.2.1/lib/python3.9/site-packages:/gnu/store/5b7kyvxmsip8i4phsdsfv48synwa0964-python-werkzeug-2.0.
2/lib/python3.9/site-packages:/gnu/store/idwg7yli71kdaadqav6nx5zbx6rkc20-python-jinja2-3.1.1/lib/python3.9/sit
e-packages:/gnu/store/bxrh6gxczls7wf35kfvdp4n8hk0428m-python-importlib-metadata-4.11.3/lib/python3.9/site-pa
ckages:/gnu/store/0pi7vrps9pmkmgcclkm0lxhyg3lyi5-python-chardet-3.0.4/lib/python3.9/site-packages:/gnu/store
```

/g53zkr19vz43mrx9h0gigj31f4smn411-python-webencodings-0.5.1/lib/python3.9/site-packages:/gnu/store/cl3nc3lbzgj  
ifp5c4fz0g0h34bjaibf6-python-six-1.16.0/lib/python3.9/site-packages:/gnu/store/q06w09f937q54kwwb3sfg8zdyqgn0gi  
l-python-pyrsistent-0.16.0/lib/python3.9/site-packages:/gnu/store/88rlck93vmdrsavfm2hh99gzdsdaaf7-python-attr  
s-21.2.0/lib/python3.9/site-packages:/gnu/store/wzkwyppg2wx3k21sw48zmjgnvcczzcxi-python-wheel-0.37.0/lib/pytho  
n3.9/site-packages:/gnu/store/7mcfqh16v32k7bw4cv59bh9yqkkipxf-python-filelock-3.0.12/lib/python3.9/site-packa  
ges:/gnu/store/fhiv69glcxg9grxawwbxpaqqj90hhsjq-python-distlib-0.3.1/lib/python3.9/site-packages:/gnu/store/26  
ldzj9xcirdrh7narm79ggqca2ka3dh-python-appdirs-1.4.3/lib/python3.9/site-packages:/gnu/store/diym1fkk82db89yn55v  
qgh4923irqgh8-python-ruamel.yaml.clib-0.2.6/lib/python3.9/site-packages:/gnu/store/myxy10nn61nrpfyv20rq4416km  
c25kl-python-bcrypt-3.2.0/lib/python3.9/site-packages:/gnu/store/6hb6zs58gia4z75xgf32d4c82qh8iavd-python-pyasn  
1-0.4.8/lib/python3.9/site-packages:/gnu/store/m0x8jwdhip0p7qmlpfqv6cfq7kh9aspz-python-gssapi-1.6.12/lib/pytho  
n3.9/site-packages:/gnu/store/kjyl2km9wa5mpcfw2mq7r5r4x3q47lgl-python-hpack-4.0.0/lib/python3.9/site-packages:  
/gnu/store/jlx0r8vnr17ywdls9g9cmjlgwlkznlmv-python-iso8601-0.1.13/lib/python3.9/site-packages:/gnu/store/w4hxd  
7w2nlwj4yj2yg3yif4mip508b59-python-idna-2.10/lib/python3.9/site-packages:/gnu/store/p09ad3pwazgjcflzw94lmwq0j  
gd4lzp-python-cffi-1.14.4/lib/python3.9/site-packages:/gnu/store/5ilflcq3fn6mx3k20pv5pak2vnd3ybx-d-python-asn1c  
rypto-1.4.0/lib/python3.9/site-packages:/gnu/store/jbxjcwbb2f6nkigzrf4qp8avx7yckbys-python-requests-2.26.0/lib  
/python3.9/site-packages:/gnu/store/9qikfahx9wschf8jjlkc02qp8mzbfmcm-python-markupsafe-2.0.1/lib/python3.9/sit  
e-packages:/gnu/store/6l3kcbqcicf9acvi0hvdarbfz6pzx3j-python-zipp-1.0.0/lib/python3.9/site-packages:/gnu/stor  
e/f0aa3qbah14mgmwdl6xn0wbnhm15b0jm-python-decorator-5.0.9/lib/python3.9/site-packages:/gnu/store/m5p8iinvgbly  
ym6j1bg9vp27cr7yb0q-python-pyparser-2.2.0/lib/python3.9/site-packages:/gnu/store/jm4dq8vksmaq7mcbkq115wpcpv8g  
aqf-python-urllib3-1.26.7/lib/python3.9/site-packages:/gnu/store/y0bzhlbq818mpkklpb8iv8410fy9a526-python-chars  
et-normalizer-2.0.5/lib/python3.9/site-packages:/gnu/store/hyglphskalgnm3q0jfdzk820plq155i-python-certifi-202  
0.12.5/lib/python3.9/site-packages:/gnu/store/d39sww9kp42vf7wxqkb9ig2ydbq519bb-python-pysocks-1.7.1/lib/python  
3.9/site-packages:/home/jacobk/.guix-profile/lib/python3.9/site-packages:/home/jacobk/.guix-profile/lib/python  
3.9/site-packages:/home/jacobk/.guix-profile/lib/python3.9/site-packages', 'QT4\_IM\_MODULE': 'ibus', 'MANDATORY  
\_PATH': '/usr/share/gconf/mate.mandatory.path', 'USE\_CCACHE': '1', 'SSH\_AUTH\_SOCK': '/run/user/1000/keyring/ss  
h', 'THEOS': '/home/jacobk/theos', 'XMODIFIERS': '@im=ibus', 'DESKTOP\_SESSION': 'mate', 'SSH\_AGENT\_PID': '2313  
' , 'GTK\_MODULES': 'gail:atk-bridge:canberra-gtk-module', 'XDG\_SEAT': 'seat0', 'MATE\_DESKTOP\_SESSION\_ID': 'this  
-is-deprecated', 'PWD': '/home/jacobk/Programs/haketiilo-and-hydrilla-3.0-beta1', 'XDG\_SESSION\_DESKTOP': 'mate'  
, 'LOGNAME': 'jacobk', 'QT\_QPA\_PLATFORMTHEME': 'gtk2', 'XDG\_SESSION\_TYPE': 'x11', 'GPG\_AGENT\_INFO': '/run/user  
/1000/gnupg/S.gpg-agent:0:1', 'AUTHORITY': '/home/jacobk/.Xauthority', 'XDG\_GREETER\_DATA\_DIR': '/var/lib/ligh  
tdm-data/jacobk', 'GDM\_LANG': 'en\_US', 'HOME': '/home/jacobk', 'LANG': 'en\_US.UTF-8', 'LS\_COLORS': 'rs=0:di=01  
;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33;01:cd=40;33;01:or=40;31;01:mi=00:su=37;41:sg=30;43:ca=3  
0;41:tw=30;42:ow=34;42:st=37;44:ex=01;32:\*.tar=01;31:\*.tgz=01;31:\*.arc=01;31:\*.arj=01;31:\*.taz=01;31:\*.lha=01;  
31:\*.lz4=01;31:\*.lzh=01;31:\*.lzma=01;31:\*.tlz=01;31:\*.txz=01;31:\*.tzo=01;31:\*.t7z=01;31:\*.zip=01;31:\*.z=01;31:  
\*.dz=01;31:\*.gz=01;31:\*.lrz=01;31:\*.lz=01;31:\*.lzo=01;31:\*.xz=01;31:\*.zst=01;31:\*.tzt=01;31:\*.bz2=01;31:\*.bz  
=01;31:\*.tbz=01;31:\*.tbz2=01;31:\*.tz=01;31:\*.deb=01;31:\*.rpm=01;31:\*.jar=01;31:\*.war=01;31:\*.ear=01;31:\*.sar=01  
;31:\*.rar=01;31:\*.alz=01;31:\*.ace=01;31:\*.zoo=01;31:\*.cpio=01;31:\*.7z=01;31:\*.rz=01;31:\*.cab=01;31:\*.wim=01;31  
:\*.swm=01;31:\*.dwm=01;31:\*.esd=01;31:\*.jpg=01;35:\*.jpeg=01;35:\*.mjpg=01;35:\*.mjpeg=01;35:\*.gif=01;35:\*.bmp=01;  
35:\*.pbm=01;35:\*.pgm=01;35:\*.ppm=01;35:\*.tga=01;35:\*.xbm=01;35:\*.xpm=01;35:\*.tif=01;35:\*.tiff=01;35:\*.png=01;3  
5:\*.svg=01;35:\*.svgz=01;35:\*.mng=01;35:\*.pcx=01;35:\*.mov=01;35:\*.mpg=01;35:\*.mpeg=01;35:\*.m2v=01;35:\*.mkv=01;3  
5:\*.webm=01;35:\*.ogm=01;35:\*.mp4=01;35:\*.m4v=01;35:\*.mp4v=01;35:\*.vob=01;35:\*.qt=01;35:\*.nuv=01;35:\*.wmv=01;35  
:\*.asf=01;35:\*.rm=01;35:\*.rmvb=01;35:\*.flc=01;35:\*.avi=01;35:\*.fli=01;35:\*.flv=01;35:\*.gl=01;35:\*.dl=01;35:\*.x  
cf=01;35:\*.xwd=01;35:\*.yuv=01;35:\*.cgm=01;35:\*.emf=01;35:\*.ogv=01;35:\*.ogx=01;35:\*.aac=00;36:\*.au=00;36:\*.flac  
=00;36:\*.m4a=00;36:\*.mid=00;36:\*.midi=00;36:\*.mka=00;36:\*.mp3=00;36:\*.mpc=00;36:\*.ogg=00;36:\*.ra=00;36:\*.wav=0  
0;36:\*.oga=00;36:\*.opus=00;36:\*.spx=00;36:\*.xspf=00;36:', 'XDG\_CURRENT\_DESKTOP': 'MATE', 'VTE\_VERSION': '6003'  
, 'GIO\_EXTRA\_MODULES': '/home/jacobk/.guix-profile/lib/gio/modules:/home/jacobk/.guix-profile/lib/gio/modules:  
/home/jacobk/.guix-profile/lib/gio/modules', 'XDG\_SEAT\_PATH': '/org/freedesktop/DisplayManager/Seat0', 'GAJIM\_  
PLUGIN\_PATH': '/home/jacobk/.guix-profile/share/games/gajim/plugins', 'DEVKITARM': '/opt/devkitpro/devkitARM', 'DOOM  
WADDIR': '/home/jacobk/.guix-profile/share/games/doom:/home/jacobk/.guix-profile/share/games/doom:/home/jacobk  
/.guix-profile/share/games/doom', 'CLUTTER\_IM\_MODULE': 'ibus', 'INFOPATH': '/home/jacobk/.guix-profile/share/i  
nfo:/home/jacobk/.guix-profile/share/info:/home/jacobk/.config/guix/current/share/info:/home/jacobk/.guix-prof  
ile/share/info:/home/jacobk/.config/guix/current/share/info:', 'LESSCLOSE': '/usr/bin/lesspipe %s %s', 'XDG\_SE  
SSION\_CLASS': 'user', 'TERM': 'xterm-256color', 'GTK\_OVERLAY\_SCROLLING': '0', 'DEFAULTS\_PATH': '/usr/share/gco  
nf/mate.default.path', 'LESSOPEN': '| /usr/bin/lesspipe %s', 'LIBVIRT\_DEFAULT\_URI': 'qemu:///system', 'USER':  
'jacobk', 'PAM\_KWALLET5\_LOGIN': '/run/user/1000/kwallet5.socket', 'DISPLAY': ':0.0', 'SHLVL': '2', 'GUIX\_LOCPA  
TH': '/home/jacobk/.guix-profile/lib/locale', 'CCACHE\_EXEC': '/usr/bin/ccache', 'QT\_IM\_MODULE': 'ibus', 'XDG\_V  
TNR': '7', 'XDG\_SESSION\_ID': 'c2', 'DEVKITPPC': '/opt/devkitpro/devkitPPC', 'XDG\_RUNTIME\_DIR': '/run/user/1000  
' , 'COMPZ\_CONFIG\_PROFILE': 'mate', 'ANDROID\_JACK\_VM\_ARGS': '-Dfile.encoding=UTF-8 -XX:TieredCompilation -Xmx  
4G', 'QT\_AUTO\_SCREEN\_SCALE\_FACTOR': '0', 'DOOMWADPATH': '/home/jacobk/.guix-profile/share/games/doom:/home/jac  
obk/.guix-profile/share/games/doom:/home/jacobk/.guix-profile/share/games/doom', 'XDG\_DATA\_DIRS': '/home/jacob  
k/.guix-profile/share:/home/jacobk/.guix-profile/share:/home/jacobk/.guix-profile/share:/usr/share/mate:/home/  
jacobk/.guix-profile/share:/home/jacobk/.guix-profile/share:/home/jacobk/.local/share/flatpak/exports/share:/v  
ar/lib/flatpak/exports/share:/usr/local/share:/usr/share:/var/lib/snapd/desktop', 'PATH': '/home/jacobk/.cargo  
/bin:/home/jacobk/Programs/ffmpeg-git-20211013-amd64-static:/home/jacobk/.guix-profile/bin:/home/jacobk/.guix-  
profile/sbin:/home/jacobk/.local/bin:/home/jacobk/.guix-profile/bin:/home/jacobk/.guix-profile/sbin:/home/jaco  
bk/.config/guix/current/bin:/opt/devkitpro/tools/bin:/home/jacobk/Programs/node-v14.17.3-linux-x64/bin:/home/j  
acobk/.local/bin:/home/jacobk/.guix-profile/bin:/home/jacobk/.guix-profile/sbin:/home/jacobk/.config/guix/curr  
ent/bin:/opt/devkitpro/tools/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/  
local/games:/snap/bin', 'GDMSESSION': 'mate', 'DBUS\_SESSION\_BUS\_ADDRESS': 'unix:path=/run/user/1000/bus', 'EMA  
CSLOADPATH': '/home/jacobk/.guix-profile/share/emacs/site-lisp:/home/jacobk/.guix-profile/share/emacs/site-lis  
p:/home/jacobk/.guix-profile/share/emacs/site-lisp', 'QT\_SCALE\_FACTOR': '1', 'OLDPWD': '/home/jacobk'})  
sys.path is ['/gnu/store/ziiryffcgph9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin', '/gnu/store/papscspynmdi51jmgw  
5x5wbi9ijclxj-python-3.9.9/lib/python3.9.zip', '/gnu/store/papscspynmdi51jmgw5x5wbi9ijclxj-python-3.9.9/lib/py  
thon3.9', '/gnu/store/papscspynmdi51jmgw5x5wbi9ijclxj-python-3.9.9/lib/python3.9/lib-dynload', '/home/jacobk/  
.local/lib/python3.9/site-packages', '/gnu/store/ziiryffcgph9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/lib/python3.9

/site-packages', '/gnu/store/06pzz72mv7k4m1hww9hbkfdngv3z59m-python-setuptools-scm-6.3.2/lib/python3.9/site-packages', '/gnu/store/p47c9xwrvjd9qxpqqgacpdil2jgki68z-python-babel-2.9.0/lib/python3.9/site-packages', '/gnu/store/h7krsqar0210s131x1596d4nb5wp667x-python-pytest-6.2.5/lib/python3.9/site-packages', '/gnu/store/whw4mwikdapp8pzzjg83vcqcgfwlv39x-python-pypa-build-0.7.0/lib/python3.9/site-packages', '/gnu/store/4w3ac8b4pjj4icm5dfdy15kqy1wiyyam-python-mypy-0.942/lib/python3.9/site-packages', '/gnu/store/a3bkrj85wrba8f08hbmglgcnbqsrq2g-python-types-requests-2.26.0/lib/python3.9/site-packages', '/gnu/store/yym5q1lild05wqmszhz4c7wvhy1wdfdbwk-mitmproxy-8.1.1/lib/python3.9/site-packages', '/gnu/store/2hqa18plqilxsfv2kkwy0k21jxpc2z2-python-beautifulsoup4-4.10.0/lib/python3.9/site-packages', '/gnu/store/v301fyk48gm977a8his728ck0f7mhyyg-python-click-8.1.2/lib/python3.9/site-packages', '/gnu/store/xr79n94c95w90kridc0xpxikdlfzcvcl-python-flask-2.1.1/lib/python3.9/site-packages', '/gnu/store/ab47br45j1lxz6pyjdl186q7kqfd7mnkb-python-gnupg-0.4.8/lib/python3.9/site-packages', '/gnu/store/x4s7jng91jd5srb3bc1g3fgqvh8577nd-python-html5lib-1.1/lib/python3.9/site-packages', '/gnu/store/9a5rbbkm0klwi9fm7zflwmcnr8m96prmy-python-immutable-0.19/lib/python3.9/site-packages', '/gnu/store/3yym0cchxng9vqrcsrxmjhjaaf12cfs6c-python-itsdangerous-2.0.1/lib/python3.9/site-packages', '/gnu/store/1lhva2f62waygr7k7a7f53cn7npvnfsl-python-jsonschema-3.2.0/lib/python3.9/site-packages', '/gnu/store/liwx91y5jrr3fprnjf8nwf6zxxvdyr6d-reuse-0.14.0/lib/python3.9/site-packages', '/gnu/store/4k52mqy3c7dkgfmqgl21l2zq3k9vx6g25-python-tomli-2.0.0/lib/python3.9/site-packages', '/gnu/store/vr16bf0b1bzmvckva708fpng3qlcfwh-python-packaging-bootstrap-21.3/lib/python3.9/site-packages', '/gnu/store/fkx18fnk6cab2jr2ymafmdl8x7x9pdj9-python-pytz-2021.1/lib/python3.9/site-packages', '/gnu/store/az5yw33ifrrdws0fqmaalhsvdglgwid-python-wcwidth-0.1.8/lib/python3.9/site-packages', '/gnu/store/nl58q651x8dbhmxp62i345pz4zmpi4rl-python-toml-0.10.2/lib/python3.9/site-packages', '/gnu/store/84si0j45zxbgmvy51yhrfj5iz0v2wx-python-six-bootstrap-1.16.0/lib/python3.9/site-packages', '/gnu/store/k49pbvmdlv7cjhfgsgkdjqv4rd94gx7x-python-py-1.10.0/lib/python3.9/site-packages', '/gnu/store/ldh3ra00qakpp27jpl88m36rllij495z-python-pluggy-0.13.1/lib/python3.9/site-packages', '/gnu/store/mpcslygybwvlv6jvail06df27nbggwp8-python-more-itertools-8.2.0/lib/python3.9/site-packages', '/gnu/store/lhssslmrxmsyrd4w9zv8gbbp7zncdq8-python-iniconfig-1.1.1/lib/python3.9/site-packages', '/gnu/store/74kivpqcjsn7r6n53zarspdxgkbl14-python-attrs-bootstrap-21.2.0/lib/python3.9/site-packages', '/gnu/store/0pi8kjdwkszh1klqw8asm29rzms32s269-python-pep517-bootstrap-0.9.1/lib/python3.9/site-packages', '/gnu/store/5whaphwnvjab8zbi3mw4ra993615n4yz-python-typing-extensions-4.0.1/lib/python3.9/site-packages', '/gnu/store/csqqgk1m3rf8f7p518m8mf2sd5qr9vas-python-mypy-extensions-0.4.3/lib/python3.9/site-packages', '/gnu/store/ymzrwlr862g6s0bdjbcx05q23bd14rp9-python-zstandard-0.15.2/lib/python3.9/site-packages', '/gnu/store/cqx410ip27ikc9jb0c1ligicm2g38r71-python-publicsuffix2-2.20191221/lib/python3.9/site-packages', '/gnu/store/487fx1l1blcv5ciji72z87k561j3vrrlz-python-wsproto-0.15.0/lib/python3.9/site-packages', '/gnu/store/adgياج19siip20p0xhkpyjdnjcd654a-python-urwid-2.1.2/lib/python3.9/site-packages', '/gnu/store/yg4vrd6wk6pwnqysgb9s78vd3kjcvs6a-python-tornado-6.1/lib/python3.9/site-packages', '/gnu/store/014qywhp7c7lic3qsdvzwmvf0lizf9r2-python-sortedcontainers-2.1.0/lib/python3.9/site-packages', '/gnu/store/l318qg8jgz4q365i4wgca4m94hk7mday-python-ruamel.yaml-0.16.13/lib/python3.9/site-packages', '/gnu/store/ac1nj53rpn8ki2npa0s6bcrcprgf7zq6-python-pyperclip-1.8.2/lib/python3.9/site-packages', '/gnu/store/f9a6smln5z5240d9k1mk5jg8b6mniqlw-python-pyparsing-3.0.6/lib/python3.9/site-packages', '/gnu/store/ywd681xl21n82g6ckqgyymbkx4xydgk2-python-yopensesl-22.0.0/lib/python3.9/site-packages', '/gnu/store/rl6ydbxsjjlimjsgkj05bkgyllw3ifd-python-protobuf-3.12.4/lib/python3.9/site-packages', '/gnu/store/y2y1lgiw2rc0yqjh4y6xjpm15ggz4fv-python-passlib-1.7.4/lib/python3.9/site-packages', '/gnu/store/gb95h77225vk3dnnvzqpbhpd192v7w2h-python-msgpack-1.0.3/lib/python3.9/site-packages', '/gnu/store/al14apk3jmhbv01lq37hq9v4w4jzgvlib-python-ldap3-2.7/lib/python3.9/site-packages', '/gnu/store/vni7bai89v2l2agky7aihvf1kwdd6lwr-python-kaitaistruct-0.10/lib/python3.9/site-packages', '/gnu/store/8z52kxfrn9bnghi5zvaqa7b9ss7hq9vh-python-hyperframe-6.0.1/lib/python3.9/site-packages', '/gnu/store/rwpkqrm75994jnjw9l1mf687p6xbylq6x-python-h2-4.1.0/lib/python3.9/site-packages', '/gnu/store/v8gnbynwqznlrbvd2xv5cj304020xfb8-python-h11-0.12.0/lib/python3.9/site-packages', '/gnu/store/lmi55b4fmdr206ii6gmwrldgzafo0b97r-python-cryptography-36.0.1/lib/python3.9/site-packages', '/gnu/store/5fxcv0p9qamcwwlib9jpbxlyb3iah1h-python-brotli-1.0.9/lib/python3.9/site-packages', '/gnu/store/i9ddvfy9vgzmfxfh28slibi0zc8xyk8zn5-python-blinker-1.4/lib/python3.9/site-packages', '/gnu/store/yxxandg091n1wmsjjad60wpd5z9vc1i-python-asgiref-3.4.1/lib/python3.9/site-packages', '/gnu/store/bj5d1a0asmnz9qxxjcb6wa9fww96qd-python-lxml-4.6.3/lib/python3.9/site-packages', '/gnu/store/5nk33ifpxl1jrwvsambdcnwxrqlkjhwi-python-soupsieve-2.2.1/lib/python3.9/site-packages', '/gnu/store/5b7kyvxsip8i4phsdfs48synwn0964-python-werkzeug-2.0.2/lib/python3.9/site-packages', '/gnu/store/idwg7yli71kdaadqav6xn5xz6rkcp20-python-jinja2-3.1.1/lib/python3.9/site-packages', '/gnu/store/bxrh6gxcz2s7wf35kfv0p4n8hk0428m-python-importlib-metadata-4.11.3/lib/python3.9/site-packages', '/gnu/store/0pi7vrs9pnmkmgcclkmb0lxhyg3lyi5-python-chardet-3.0.4/lib/python3.9/site-packages', '/gnu/store/g53zkr19vz43mrx9h0gigj31f4smn411-python-webencodings-0.5.1/lib/python3.9/site-packages', '/gnu/store/cl3nc3lbzgjif5c4fz0g0h34rjiaibf6-python-six-1.16.0/lib/python3.9/site-packages', '/gnu/store/q06w09f937q54kwwb3sf8zqdqygn0gil-python-pyrsistent-0.16.0/lib/python3.9/site-packages', '/gnu/store/88rlck93vmrdsavfm2hh99gzdsdaf7-python-attrs-21.2.0/lib/python3.9/site-packages', '/gnu/store/wzkwyppg2wx3k21sw48zmjgnvcczxcxi-python-wheel-0.37.0/lib/python3.9/site-packages', '/gnu/store/7mcfqhl6v32k7bw4cv59bh9yqlkippxf-python-filelock-3.0.12/lib/python3.9/site-packages', '/gnu/store/fhiv69glcxg9grxawwbxpaqqj90hhsjq-python-distlib-0.3.1/lib/python3.9/site-packages', '/gnu/store/e261dzj9xcirdrh7narm79gqgca2ka3dh-python-appdirs-1.4.3/lib/python3.9/site-packages', '/gnu/store/diym1fxx82db89yn55vqgh4923irqgh8-python-ruamel.yaml.clib-0.2.6/lib/python3.9/site-packages', '/gnu/store/myxy10nn61nrpfyvx20rq4416kmc25kl-python-bcrypt-3.2.0/lib/python3.9/site-packages', '/gnu/store/6hb6zs58gia4z75xgf32d4c82qh8iavd-python-pyasnl-0.4.8/lib/python3.9/site-packages', '/gnu/store/m0x8jwdhip0p7qmlpfqv6cfq7kh9aspz-python-gssapi-1.6.12/lib/python3.9/site-packages', '/gnu/store/kjyl2km9wa5mpcfw2mq7r5r4x3q47lgl-python-hpack-4.0.0/lib/python3.9/site-packages', '/gnu/store/jlx0r8vnrl7ywdls9g9cmjlgwlkznlmv-python-iso8601-0.1.13/lib/python3.9/site-packages', '/gnu/store/w4hxd7w2nlwj4y2yg3yif4mp508b59-python-idna-2.10/lib/python3.9/site-packages', '/gnu/store/e/p09ad3pwazgjfcb1z94lmwq0jgd41zp-python-ffi-1.14.4/lib/python3.9/site-packages', '/gnu/store/5ilflcq3fn6mx3k20pv5pak2vnd3ybx-d-python-asn1crypto-1.4.0/lib/python3.9/site-packages', '/gnu/store/jbxjcwbb2f6nkigzrf4qp8avx7yckbys-python-requests-2.26.0/lib/python3.9/site-packages', '/gnu/store/9qikfahx9wschf8jjlk02qp8mzbfmcm-python-markupsafe-2.0.1/lib/python3.9/site-packages', '/gnu/store/6l3kcbccqicf9acvi0hvdarbfz6pzz3j-python-zipp-1.0.0/lib/python3.9/site-packages', '/gnu/store/f0aa3qbah14mgmwd16xn0wbnhm15b0jm-python-decorator-5.0.9/lib/python3.9/site-packages', '/gnu/store/m5p8iinvgbylsym6j1bg9vp27cr7yb0q-python-pycparser-2.20/lib/python3.9/site-packages', '/gnu/store/jm4dq8vksmaq7mcbkql15wpcpqr8qaf-python-urllib3-1.26.7/lib/python3.9/site-packages', '/gnu/store/y0bzh1bq818mpkklpb8iv8410fy9a526-python-charset-normalizer-2.0.5/lib/python3.9/site-packages', '/gnu/store/hyglphskalqknm3q0jfdzk820plql155i-python-certifi-2020.12.5/lib/python3.9/site-packages', '/gnu/store/d39sw9kp42vf7wxqkb9ig2ydbq519bb-python-pysocks-1.7.1/lib/python3.9/site-packages', '/home/jacobk/.guix-profile/lib/

```
python3.9/site-packages', '/home/jacobk/.guix-profile/lib/python3.9/site-packages', '/home/jacobk/.guix-profile/lib/python3.9/site-packages', '/gnu/store/papscspynmdi5ljmngw5x5wbi9ijclxj-python-3.9.9/lib/python3.9/site-packages']
Traceback (most recent call last):
  File "/gnu/store/ziiryffcgh9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin/.haketilo-real", line 42, in <module>
    sys.exit(load_entry_point('hydrilla==3.0b1', 'console_scripts', 'haketilo')())
  File "/gnu/store/ziiryffcgh9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin/.haketilo-real", line 34, in importlib_load_entry_point
    return next(matches).load()
StopIteration
```

Using the "temporary workaround", Haketilo seems to work fine, actually. I noticed I had to allow scripts in Haketilo 2.0 for the scripts on hkt.mitm.it to run, haha. I'll get rid of Haketilo 2.0 eventually (except for testing).

Also, I might not have as much time to test things the next 2-3 days, so, if you cannot reproduce the error I am running into without the workaround, I think you should go ahead and release beta 2 with a warning about known issue (or just use the workaround automatically for everyone, but I assume that may have some downsides). Though, I guess it's not really that important, since it's a beta anyway.

**#18 - 10/15/2022 10:54 AM - koszko**

jacobk wrote:

```
After adding the debug info lines at the beginning of .haketilo-real, I got
[...]
```

I see the GUIX\_PYTHONPATH variable contains - besides all the paths needed for Haketilo - an additional path of /home/jacobk/.guix-profile/lib/python3.9/site-packages. This seems correct in general and shouldn't be causing problems. Nevertheless, I suspect that in this particular case some files and directories under /home/jacobk/.guix-profile/lib/python3.9/site-packages might be confusing the importlib module in some way. This is how you can check it once you have time:

You can modify the unpacked gnu/store/ziiryffcgh9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin/haketilo to add an

```
unset GUIX_PYTHONPATH
```

line after the shebang and before the export GUIX\_PYTHONPATH=[...] line. Then you can run it with the same command sequence as before, i.e. unshare -Umr, mount -t tmpfs [...], etc.

Actually, there is yet another way to test the same thing - you could just add mount -t tmpfs dummy /home/jacobk/.guix-profile/lib/python3.9/site-packages to the sequence of namespace commands we've been using.

Using the "temporary workaround", Haketilo seems to work fine, actually.

Finally, some good news :)

I noticed I had to allow scripts in Haketilo 2.0 for the scripts on hkt.mitm.it to run, haha.

Did I put any scripts on hkt.mitm.it (I don't recall)? Or do you actually mean the scripts injected by the proxy on other sites?

Also, I might not have as much time to test things the next 2-3 days,

No problem, that's totally understandable :)

so, if you cannot reproduce the error I am running into without the workaround, I think you should go ahead and release beta 2 [...]

I agree.

Well,

or just use the workaround automatically for everyone, but I assume that may have some downsides

The most critical downside is that Guix doesn't facilitate such setup - so I'd need to do additional modifications on the pack made by Guix. But that might nevertheless be the way to go. Thanks for the suggestion :)

Though, I guess it's not really that important, since it's a beta anyway.

Depends. Some pieces of software stay in "beta" for most of their life. Just the matter of how the maintainer labels a release  $\_ \_ ( \_ ) \_ \_$

After adding unset GUIX\_PYTHONPATH to gnu/store/ziiryffcgph9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin/haketilo in the binary release, I get

```
os.environ is environ({'SHELL': '/bin/bash', 'SESSION_MANAGER': 'local/jacobk-K55A:@/tmp/.ICE-unix/2221,unix/jacobk-K55A:/tmp/.ICE-unix/2221', 'WINDOWID': '72753483', 'QT_ACCESSIBILITY': '1', 'COLORTERM': 'truecolor', 'XDG_CONFIG_DIRS': '/etc/xdg/xdg-mate:/etc/xdg:/usr/share/triskel-default-settings/kf5-settings', 'XDG_SESSION_PATH': '/org/freedesktop/DisplayManager/Session0', 'GTK_IM_MODULE': 'ibus', 'LANGUAGE': 'en_US', 'DEVKITPRO': '/opt/devkitpro', 'GUIX_PYTHONPATH': '/gnu/store/ziiryffcgph9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/lib/python3.9/site-packages:/gnu/store/06pzx72mv7k4m1hww9hbkfqdnv3z59m-python-setuptools-scm-6.3.2/lib/python3.9/site-packages:/gnu/store/p47c9xwrvj9d9xpggacpqqd12jgki68z-python-babel-2.9.0/lib/python3.9/site-packages:/gnu/store/h7krqsar0210s131x1596d4nb5wp667x-python-pytest-6.2.5/lib/python3.9/site-packages:/gnu/store/whw4mwikdayp8pzjg83vcqcgfwlvn39x-python-pypa-build-0.7.0/lib/python3.9/site-packages:/gnu/store/4w3ac8b4pjz4icm5dfdyl5kqyliwyyam-python-mypy-0.942/lib/python3.9/site-packages:/gnu/store/a3bkrj85wrba8f08hbmglgcdnbqsr2g-python-types-requests-2.26.0/lib/python3.9/site-packages:/gnu/store/yym5q1l1d05wqmszh4c7wvhywlfdbw1k-mitproxy-8.1.1/lib/python3.9/site-packages:/gnu/store/2hqai8plqilxsfvg2kkwy0k21jpc2z2-python-beautifulsoup4-4.10.0/lib/python3.9/site-packages:/gnu/store/v30lfyk48gm977a8his728ck0f7mhyyg-python-click-8.1.2/lib/python3.9/site-packages:/gnu/store/xr79n94c95w90kridc0xpikdlfzsvcl-python-flask-2.1.1/lib/python3.9/site-packages:/gnu/store/ab47br45j1lx6pyjdl86q7kqfd7mnkb-python-gnupg-0.4.8/lib/python3.9/site-packages:/gnu/store/x4s7jng9ljd5srb3bc1g3fqgvh8577nd-python-html5lib-1.1/lib/python3.9/site-packages:/gnu/store/9a5r8bkm0k1w9fm7zflwmcnr8m96prmy-python-immutable-0.19/lib/python3.9/site-packages:/gnu/store/3yym0cchxng9vqcrsxxmhjaaf12cfs6c-python-itsdangerous-2.0.1/lib/python3.9/site-packages:/gnu/store/11hva2f62waygr7k7a7f53cn7npvnfsl-python-jsonschema-3.2.0/lib/python3.9/site-packages:/gnu/store/liwx9ly5j3r3fprnjf8nwff6zxxvdyr6d-reuse-0.14.0/lib/python3.9/site-packages:/gnu/store/papscspymndi5ljmngw5x5wbi9ijc1xj-python-3.9.9/lib/python3.9/site-packages:/gnu/store/4k52mqy3c7dkgfmxgl21lzq3k9vx6gz5-python-tomli-2.0.0/lib/python3.9/site-packages:/gnu/store/vr16bf0blbzmzvckva708fpng3qlcfwh-python-packaging-bootstrap-2.1.3/lib/python3.9/site-packages:/gnu/store/flx18fkn6cab2j2ymafmdl8x7x9pdj9-python-pytz-2021.1/lib/python3.9/site-packages:/gnu/store/az5yw33ifrrdwpsofmaahsvd1gwwid-python-wcwidth-0.1.8/lib/python3.9/site-packages:/gnu/store/nl58q651x8dbhmxp62i345pz4zmpi4r1-python-toml-0.10.2/lib/python3.9/site-packages:/gnu/store/84si0j45zkgbkmvya51yhrfj5iz0v2wx-python-six-bootstrap-1.16.0/lib/python3.9/site-packages:/gnu/store/k49pbvmdlv7cjhfgsgkdjqv4rd94gx7x-python-py-1.10.0/lib/python3.9/site-packages:/gnu/store/ldh3ra00qakpp27jpl88m36rllij495z-python-pluggy-0.13.1/lib/python3.9/site-packages:/gnu/store/mpcslgygybwlv6jvail06df27nbgwpp8-python-more-itertools-8.2.0/lib/python3.9/site-packages:/gnu/store/1hssslmrxmsyrd4w9zv8gbbp7zncdq8-python-iniconfig-1.1.1/lib/python3.9/site-packages:/gnu/store/74kivpqcjsn7r6n53zarspwdxgkgl14-python-attrs-bootstrap-21.2.0/lib/python3.9/site-packages:/gnu/store/0pi8kjdwkszh1kqw8asm29rm32s269-python-pep517-bootstrap-0.9.1/lib/python3.9/site-packages:/gnu/store/5whaphwnvjab8zbl3mw4ra993615n4yz-python-typing-extensions-4.0.1/lib/python3.9/site-packages:/gnu/store/csqqgklm3rf8f7p518m8mf2sd5qr9vas-python-mypy-extensions-0.4.3/lib/python3.9/site-packages:/gnu/store/ymzrwlr862g6s0bdjbcx05q23bd14rp9-python-zstandard-0.15.2/lib/python3.9/site-packages:/gnu/store/cgx410ip27ikc9jb0clli-gicm2g38r7l-python-publicsuffix2-2.20191221/lib/python3.9/site-packages:/gnu/store/487fx1l1bcv5c1j72z87k561j3vrrlz-python-wsproto-0.15.0/lib/python3.9/site-packages:/gnu/store/adgjag19siip20p0xhkpyjdnjjcd654a-python-urwid-2.1.2/lib/python3.9/site-packages:/gnu/store/yg4vr6wk6pwnqysgb9s78vd3kjcv56a-python-tornado-6.1/lib/python3.9/site-packages:/gnu/store/014qywhp7c7lic3qsdvzwmvf01izf9r2-python-sortedcontainers-2.1.0/lib/python3.9/site-packages:/gnu/store/l318qg8jgz4q365i4wgca4m94hk7mday-python-ruamel.yaml-0.16.13/lib/python3.9/site-packages:/gnu/store/ac1nj53rpn8ki2npa0s6brcprgf7zq6-python-pyperclip-1.8.2/lib/python3.9/site-packages:/gnu/store/f9a6sm1n5z5240d9k1mk5jg8b6mnq1wl-python-pyparsing-3.0.6/lib/python3.9/site-packages:/gnu/store/ywd681xl21n82g6ckggyymbkx4xydgk2-python-pyopenssl-22.0.0/lib/python3.9/site-packages:/gnu/store/r16ydbsxjllimjsgkj05bkgylylw3ifd-python-protobuf-3.12.4/lib/python3.9/site-packages:/gnu/store/y2yllgisw2rc0yqjh4y6xjplm5ggz4fv-python-passlib-1.7.4/lib/python3.9/site-packages:/gnu/store/gb95h77225vk3dnvzvqbbhd192v7w2h-python-mspack-1.0.3/lib/python3.9/site-packages:/gnu/store/a114apk3jmhbv011q37hq9v4w4jzgv1b-python-ldap3-2.7/lib/python3.9/site-packages:/gnu/store/vni7bai89v212agky7aihvf1kwdd6iwr-python-kaitaistruct-0.10/lib/python3.9/site-packages:/gnu/store/8z52kxfnr9bnghi5zvaqa7b9ss7hq9vh-python-hyperframe-6.0.1/lib/python3.9/site-packages:/gnu/store/rwpkqrm75994jnjw9lmf687p6xby1q6x-python-h2-4.1.0/lib/python3.9/site-packages:/gnu/store/v8gnbynwqznlrbvd2xv5c3j304020xfb8-python-h11-0.12.0/lib/python3.9/site-packages:/gnu/store/lmi55b4fmdr206i16gmvrddgafn0b97r-python-cryptography-36.0.1/lib/python3.9/site-packages:/gnu/store/5fxcv0p9qamcvlib9jpbxlyb3iah1h-python-brotli-1.0.9/lib/python3.9/site-packages:/gnu/store/i9ddvfy9vgzmfxfh28slbi0zc8xyk8zn5-python-blinker-1.4/lib/python3.9/site-packages:/gnu/store/yxxandg091nlwmsjjad60wpd5z9vcli-python-asgiref-3.4.1/lib/python3.9/site-packages:/gnu/store/bj5dla0asmnzh9qqxjcqb6wa9fw96qd-python-lxml-4.6.3/lib/python3.9/site-packages:/gnu/store/5nk33ifpax1jrwvsambdcnwxrxq1kji-python-soupsieve-2.2.1/lib/python3.9/site-packages:/gnu/store/5b7kyvxsip8i4phsdsfv48synwn0964-python-werkzeug-2.0.2/lib/python3.9/site-packages:/gnu/store/idwg7yli71kdaadqav6xn5xzb6rkcp20-python-jinja2-3.1.1/lib/python3.9/site-packages:/gnu/store/bxrh6gxczls7wf35kfvdp4n8hk0428m-python-importlib-metadata-4.11.3/lib/python3.9/site-packages:/gnu/store/0pi7vrps9pmkmgcclkmk01xhyg3lyi5-python-chardet-3.0.4/lib/python3.9/site-packages:/gnu/store/g53zkr19vz43mrx9h0gigj3l1f4smn411-python-webencodings-0.5.1/lib/python3.9/site-packages:/gnu/store/cl3nc3lbzgjifp5c4fz0g0h34bjai6f6-python-six-1.16.0/lib/python3.9/site-packages:/gnu/store/q06w09f937q54kwwb3sfg8zdygn0gil-python-pyrsistent-0.16.0/lib/python3.9/site-packages:/gnu/store/88rlck93vmrdsavfm2hh99gzdsdaf7-python-attrs-21.2.0/lib/python3.9/site-packages:/gnu/store/wzkwypp2wx3k21sw48zmjgnvcczzcxi-python-wheel-0.37.0/lib/python3.9/site-packages:/gnu/store/7mcfqh16v32k7bw4cv59bh9yq1kippxf-python-filelock-3.0.12/lib/python3.9/site-packages:/gnu/store/fhiv69glcxg9grxawwbxpaqqj90hhsjq-python-distlib-0.3.1/lib/python3.9/site-packages:/gnu/store/26ldzj9xcirdrh7narm79ggca2ka3dh-python-appdirs-1.4.3/lib/python3.9/site-packages:/gnu/store/diym1fxx82db89yn55vqgh4923irqgh8-python-ruamel.yaml.clib-0.2.6/lib/python3.9/site-packages:/gnu/store/myxy10nn61nrpfvxx20rq4416kmc25k1-python-bcrypt-3.2.0/lib/python3.9/site-packages:/gnu/store/6hb6zs58gia4z75xgf32d4c82qh8iadv-python-pyasn1-0.4.8/lib/python3.9/site-packages:/gnu/store/m0x8jwdhip0p7qmlpfqv6cfq7kh9aspz-python-gssapi-1.6.12/lib/python3.9/site-packages:/gnu/store/kjyl2km9wa5mpcfw2mq7r5r4x3q471gl-python-hpack-4.0.0/lib/python3.9/site-packages:/gnu/store/jlx0r8vnr17ywdls9g9cmjglw1kznlmv-python-iso8601-0.1.13/lib/python3.9/site-packages:/gnu/store/w4hxd7w2nlwj4yj2yg3yif4mip508b59-python-idna-2.10/lib/python3.9/site-packages:/gnu/store/p09ad3pwazgjcblz941mwq0jgd41zp-python-cffi-1.14.4/lib/python3.9/site-packages:/gnu/store/5ilfl1cq3fn6mx3k20pv5pak2vnd3ybx-d-python-asn1crypto-1.4.0/lib/python3.9/site-packages:/gnu/store/jbxjcwbb2f6nkigzrf4qp8avx7yckbys-python-requests-2.26.0/lib
```

/python3.9/site-packages:/gnu/store/9qikfahx9wschf8jjlk02qp8mzbfmcm-python-markupsafe-2.0.1/lib/python3.9/site-packages:/gnu/store/613kcbqcicf9acvi0hvdarbfz6pzz3j-python-zipp-1.0.0/lib/python3.9/site-packages:/gnu/store/f0aa3qbah14mgmwdl6xn0wbnhm15b0jm-python-decorator-5.0.9/lib/python3.9/site-packages:/gnu/store/m5p8iinvgybls ym6j1bg9vp27cr7yb0q-python-pyparser-2.20/lib/python3.9/site-packages:/gnu/store/jm4dq8vksmaq7mcbkq115wpcpvq8q aqf-python-urllib3-1.26.7/lib/python3.9/site-packages:/gnu/store/y0bzhlbq818mpkklpb8iv8410fy9a526-python-chars et-normalizer-2.0.5/lib/python3.9/site-packages:/gnu/store/hyglphskalgknm3q0jfdzk820plq155i-python-certifi-202 0.12.5/lib/python3.9/site-packages:/gnu/store/d39sww9kp42vf7wxqkb9ig2ydbq519bb-python-pysocks-1.7.1/lib/python 3.9/site-packages', 'QT4\_IM\_MODULE': 'ibus', 'MANDATORY\_PATH': '/usr/share/gconf/mate.mandatory.path', 'USE\_CC ACHE': '1', 'SSH\_AUTH\_SOCK': '/run/user/1000/keyring/ssh', 'THEOS': '/home/jacobk/theos', 'XMODIFIERS': '@im=i bus', 'DESKTOP\_SESSION': 'mate', 'SSH\_AGENT\_PID': '2313', 'GTK\_MODULES': 'gail:atk-bridge:canberra-gtk-module', 'XDG\_SEAT': 'seat0', 'MATE\_DESKTOP\_SESSION\_ID': 'this-is-deprecated', 'PWD': '/home/jacobk/Programs/haketilo -and-hydrilla-3.0-beta1', 'XDG\_SESSION\_DESKTOP': 'mate', 'LOGNAME': 'jacobk', 'QT\_QPA\_PLATFORMTHEME': 'gtk2', 'XDG\_SESSION\_TYPE': 'x11', 'GPG\_AGENT\_INFO': '/run/user/1000/gnupg/S.gpg-agent:0:1', 'XAUTHORITY': '/home/jaco bk/.Xauthority', 'XDG\_GREETER\_DATA\_DIR': '/var/lib/lightdm-data/jacobk', 'GDM\_LANG': 'en\_US', 'HOME': '/home/j acobk', 'LANG': 'en\_US.UTF-8', 'LS\_COLORS': 'rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33; 01:cd=40;33;01:or=40;31;01:mi=00:su=37;41:sg=30;43:ca=30;41:tw=30;42:ow=34;42:st=37;44:ex=01;32:\*.tar=01;31:\*. tgz=01;31:\*.arc=01;31:\*.arj=01;31:\*.taz=01;31:\*.lha=01;31:\*.lz4=01;31:\*.lzh=01;31:\*.lzma=01;31:\*.tlz=01;31:\*.t xz=01;31:\*.tzo=01;31:\*.t7z=01;31:\*.zip=01;31:\*.z=01;31:\*.dz=01;31:\*.gz=01;31:\*.lrz=01;31:\*.lz=01;31:\*.lzo=01;3 1:\*.xz=01;31:\*.zst=01;31:\*.tazst=01;31:\*.bz2=01;31:\*.bz=01;31:\*.tbz=01;31:\*.tbz2=01;31:\*.taz=01;31:\*.deb=01;31:\*. rpm=01;31:\*.jar=01;31:\*.war=01;31:\*.ear=01;31:\*.sar=01;31:\*.rar=01;31:\*.alz=01;31:\*.ace=01;31:\*.zoo=01;31:\*.c pio=01;31:\*.7z=01;31:\*.rz=01;31:\*.cab=01;31:\*.wim=01;31:\*.swm=01;31:\*.dwm=01;31:\*.esd=01;31:\*.jpg=01;35:\*.jpeg =01;35:\*.mjpg=01;35:\*.mjpeg=01;35:\*.gif=01;35:\*.bmp=01;35:\*.pbm=01;35:\*.pgm=01;35:\*.ppm=01;35:\*.tga=01;35:\*.xb m=01;35:\*.xpm=01;35:\*.tif=01;35:\*.tiff=01;35:\*.png=01;35:\*.svg=01;35:\*.svgz=01;35:\*.mng=01;35:\*.pcx=01;35:\*.mo v=01;35:\*.mpg=01;35:\*.mpeg=01;35:\*.m2v=01;35:\*.mkv=01;35:\*.webm=01;35:\*.ogm=01;35:\*.mp4=01;35:\*.m4v=01;35:\*.mp 4v=01;35:\*.vob=01;35:\*.qt=01;35:\*.nuv=01;35:\*.wmv=01;35:\*.asf=01;35:\*.rm=01;35:\*.rmvb=01;35:\*.flc=01;35:\*.avi =01;35:\*.fli=01;35:\*.flv=01;35:\*.gl=01;35:\*.dl=01;35:\*.xcf=01;35:\*.xwd=01;35:\*.yuv=01;35:\*.cgm=01;35:\*.emf=01;3 5:\*.ogv=01;35:\*.ogx=01;35:\*.aac=00;36:\*.au=00;36:\*.flac=00;36:\*.m4a=00;36:\*.mid=00;36:\*.midi=00;36:\*.mka=00;36 :\*.mp3=00;36:\*.mpc=00;36:\*.ogg=00;36:\*.ra=00;36:\*.wav=00;36:\*.oga=00;36:\*.opus=00;36:\*.spx=00;36:\*.xspf=00;36: ', 'XDG\_CURRENT\_DESKTOP': 'MATE', 'VTE\_VERSION': '6003', 'GIO\_EXTRA\_MODULES': '/home/jacobk/.guix-profile/lib/ gio/modules:/home/jacobk/.guix-profile/lib/gio/modules:/home/jacobk/.guix-profile/lib/gio/modules', 'XDG\_SEAT\_ PATH': '/org/freedesktop/DisplayManager/Seat0', 'GAJIM\_PLUGIN\_PATH': '/home/jacobk/.guix-profile/share/gajim/p lugins', 'DEVKITARM': '/opt/devkitpro/devkitARM', 'DOOMWADDIR': '/home/jacobk/.guix-profile/share/games/doom:/ home/jacobk/.guix-profile/share/games/doom:/home/jacobk/.guix-profile/share/games/doom', 'CLUTTER\_IM\_MODULE': 'ibus', 'INFOPATH': '/home/jacobk/.guix-profile/share/info:/home/jacobk/.guix-profile/share/info:/home/jacobk/.config/guix/current/share/info:/home/jacobk/.config/guix/current/share/info:/home/jacobk/.config/guix/current/share/info', 'LESSCLOSE': '/usr/bin/lesspipe %s %s', 'XDG\_SESSION\_CLASS': 'user', 'TERM': 'xterm-256color', 'GTK\_OV ERLAY\_SCROLLING': '0', 'DEFAULTS\_PATH': '/usr/share/gconf/mate.default.path', 'LESSOPEN': '| /usr/bin/lesspipe %s', 'LIBVIRT\_DEFAULT\_URI': 'qemu:///system', 'USER': 'jacobk', 'PAM\_KWALLET5\_LOGIN': '/run/user/1000/kwallet 5.socket', 'DISPLAY': ':0.0', 'SHLVL': '2', 'GUIX\_LOCPATH': '/home/jacobk/.guix-profile/lib/locale', 'CCACHE\_E XEC': '/usr/bin/ccache', 'QT\_IM\_MODULE': 'ibus', 'XDG\_VTNR': '7', 'XDG\_SESSION\_ID': 'c2', 'DEVKITPPC': '/opt/d evkitpro/devkitPPC', 'XDG\_RUNTIME\_DIR': '/run/user/1000', 'COMPIZ\_CONFIG\_PROFILE': 'mate', 'ANDROID\_JACK\_VM\_AR GS': '-Dfile.encoding=UTF-8 -XX:+TieredCompilation -Xmx4G', 'QT\_AUTO\_SCREEN\_SCALE\_FACTOR': '0', 'DOOMWADPATH': '/home/jacobk/.guix-profile/share/games/doom:/home/jacobk/.guix-profile/share/games/doom:/home/jacobk/.guix-p rofile/share/games/doom', 'XDG\_DATA\_DIRS': '/home/jacobk/.guix-profile/share:/home/jacobk/.guix-profile/share:/home/jacobk/.guix-profile/share:/usr/share/mate:/home/jacobk/.guix-profile/share:/home/jacobk/.guix-profile/s hare:/home/jacobk/.local/share/flatpak/exports/share:/var/lib/flatpak/exports/share:/usr/local/share:/usr/shar e:/var/lib/snapd/desktop', 'PATH': '/home/jacobk/.cargo/bin:/home/jacobk/Programs/ffmpeg-git-20211013-amd64-st atic:/home/jacobk/.guix-profile/bin:/home/jacobk/.guix-profile/sbin:/home/jacobk/.local/bin:/home/jacobk/.guix -profile/bin:/home/jacobk/.guix-profile/sbin:/home/jacobk/.config/guix/current/bin:/opt/devkitpro/tools/bin:/h ome/jacobk/Programs/node-v14.17.3-linux-x64/bin:/home/jacobk/.local/bin:/home/jacobk/.guix-profile/bin:/home/j acobk/.guix-profile/sbin:/home/jacobk/.config/guix/current/bin:/opt/devkitpro/tools/bin:/usr/local/sbin:/usr/l ocal/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin', 'GDMSESSION': 'mate', 'DBUS\_SES SION\_BUS\_ADDRESS': 'unix:path=/run/user/1000/bus', 'EMACSLOADPATH': '/home/jacobk/.guix-profile/share/emacs/si te-lisp:/home/jacobk/.guix-profile/share/emacs/site-lisp:/home/jacobk/.guix-profile/share/emacs/site-lisp', 'Q T\_SCALE\_FACTOR': '1', 'OLDPWD': '/home/jacobk/Programs/hydrilla-3.0b1'}) sys.path is ['/gnu/store/ziiryfcgph9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin', '/gnu/store/papscspynmdi51jmgw 5x5wbi9ijclxj-python-3.9.9/lib/python3.9.zip', '/gnu/store/papscspynmdi51jmgw5x5wbi9ijclxj-python-3.9.9/lib/py thon3.9', '/gnu/store/papscspynmdi51jmgw5x5wbi9ijclxj-python-3.9.9/lib/python3.9/lib-dynload', '/home/jacobk/. local/lib/python3.9/site-packages', '/gnu/store/ziiryfcgph9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/lib/python3.9 /site-packages', '/gnu/store/06pzz72mv7k4mlhww9hbkfcdngv3z59m-python-setuptools-scm-6.3.2/lib/python3.9/site-p ackages', '/gnu/store/p47c9xwrvjd9xqqgacpdil2jgki68z-python-babel-2.9.0/lib/python3.9/site-packages', '/gnu/ store/h7krsqar0210s131x1596d4nb5wp667x-python-pytest-6.2.5/lib/python3.9/site-packages', '/gnu/store/whw4mwikd ayp8pzjg83vcqcgfwn39x-python-pypa-build-0.7.0/lib/python3.9/site-packages', '/gnu/store/4w3ac8b4pjj4icm5dfdy 15kqylwiyam-python-mypy-0.942/lib/python3.9/site-packages', '/gnu/store/a3bkrj85wrba8f08hbmglgcnbqsrq2g-pyth on-types-requests-2.26.0/lib/python3.9/site-packages', '/gnu/store/yym5q1ild05wqmszh4c7wvhy1wdfbw1k-mitmproxy- 8.1.1/lib/python3.9/site-packages', '/gnu/store/2hqa18plqilxsfvgv2kkwy0k21jxpc2z2-python-beautifulsoup4-4.10.0/ lib/python3.9/site-packages', '/gnu/store/v30lfyk48gm977a8his728ck0f7mhyyg-python-click-8.1.2/lib/python3.9/si te-packages', '/gnu/store/xr79n94c95w90kridc0pxikdlfzzvcl-python-flask-2.1.1/lib/python3.9/site-packages', '/ gnu/store/ab47br45jllzx6pyjdl86q7kqfd7mnkb-python-gnupg-0.4.8/lib/python3.9/site-packages', '/gnu/store/x4s7jn g91jd5srb3bc1g3fgqvh8577nd-python-html5lib-1.1/lib/python3.9/site-packages', '/gnu/store/9a5r8bkm0k1wi9fm7zflwm cnr8m96prmy-python-immutable-0.19/lib/python3.9/site-packages', '/gnu/store/3yym0cchxng9vqcrsxmjhjaaf12cfs6c- python-itsdangerous-2.0.1/lib/python3.9/site-packages', '/gnu/store/1lhva2f62waygr7k7a7f53cn7npvnfsl-python-jy onschemata-3.2.0/lib/python3.9/site-packages', '/gnu/store/liwx9ly5jrr3fprnjf8nw6zxxvdyr6d-reuse-0.14.0/lib/pyth on3.9/site-packages', '/gnu/store/4k52mqy3c7dkgfmxgl211zq3k9vx6gz5-python-tomli-2.0.0/lib/python3.9/site-pack ages', '/gnu/store/vr16bf0blbzmzvckva708fpng3qlcfwh-python-packaging-bootstrap-21.3/lib/python3.9/site-package

```
s', '/gnu/store/fkx18fnk6cab2jr2ymafmdl8x7x9pdj9-python-pytz-2021.1/lib/python3.9/site-packages', '/gnu/store/az5yw33ifrrdws0fqmaahsvdlgvwid-python-wcwidth-0.1.8/lib/python3.9/site-packages', '/gnu/store/nl58q651x8dbhm xp62i345pz4zmpi4rl-python-toml-0.10.2/lib/python3.9/site-packages', '/gnu/store/84si0j45zxbgmvy51yhrfj5iz0v2 wx-python-six-bootstrap-1.16.0/lib/python3.9/site-packages', '/gnu/store/k49pbvmdlv7cjhfgsgkdjqv4rd94qx7x-pyth on-py-1.10.0/lib/python3.9/site-packages', '/gnu/store/1dh3ra00qakpp27jpl88m36rll1j495z-python-pluggy-0.13.1/1 ib/python3.9/site-packages', '/gnu/store/mpcslygybwv1v6jvail06df27nbgwpp8-python-more-itertools-8.2.0/lib/pyth on3.9/site-packages', '/gnu/store/lhssslmrxmsyrd4wzv8gbpb7zncdq8-python-iniconfig-1.1.1/lib/python3.9/site-p ackages', '/gnu/store/74kivpqcjsn7r6n53zarspdxgkgl14-python-attrs-bootstrap-21.2.0/lib/python3.9/site-packag es', '/gnu/store/0pi8kjdkszh1k1qw8asm29rzm32s269-python-pep517-bootstrap-0.9.1/lib/python3.9/site-packages', '/gnu/store/5whaphwnvjab8zbi3mw4ra993615n4yz-python-typing-extensions-4.0.1/lib/python3.9/site-packages', '/gn u/store/csqgkglm3rf8f7p518m8mf2sd5qr9vas-python-mypy-extensions-0.4.3/lib/python3.9/site-packages', '/gnu/stor e/ymzrwlr862g6s0bdjbcx05q23bd14rp9-python-zstandard-0.15.2/lib/python3.9/site-packages', '/gnu/store/cgx410ip2 7ikc9jb0c11igicm2g38r7l-python-publicsuffix2-2.20191221/lib/python3.9/site-packages', '/gnu/store/487fx1l1blcv5 cijj72z87k561j3vrrlz-python-wsproto-0.15.0/lib/python3.9/site-packages', '/gnu/store/adgjag19siip20p0xhkpyjdnj jcd654a-python-urwid-2.1.2/lib/python3.9/site-packages', '/gnu/store/yg4vrd6wk6pwnqysgb9s78vd3kjcvs6a-python-t ornado-6.1/lib/python3.9/site-packages', '/gnu/store/014qywhp7c71lc3qsdvzwmvf0lizf9r2-python-sortedcontainers- 2.1.0/lib/python3.9/site-packages', '/gnu/store/l3l8qg8jgz4q365i4wgca4m94hk7mday-python-ruamel.yaml-0.16.13/li b/python3.9/site-packages', '/gnu/store/aclnj53rpn8ki2npa0s6bcrcprgf7zq6-python-pyperclip-1.8.2/lib/python3.9/ site-packages', '/gnu/store/f9a6smln5z5240d9k1mk5jg8b6mngiwl-python-pparsing-3.0.6/lib/python3.9/site-packag e', '/gnu/store/ywd681xl2ln82g6ckgqgyymbkx4xydgk2-python-pyopenssl-22.0.0/lib/python3.9/site-packages', '/gnu/s tore/rl6ydbsxjllimjsgkj05bkgylylw3ifd-python-protobuf-3.12.4/lib/python3.9/site-packages', '/gnu/store/y2y1lgi sw2rc0yqjh4y6xjpm15ggz4fv-python-passlib-1.7.4/lib/python3.9/site-packages', '/gnu/store/gb95h77225vk3dnnvzqpb hpd192v7w2h-python-msgpack-1.0.3/lib/python3.9/site-packages', '/gnu/store/a114apk3jmhbv011q37h9v4w4jzgv1b-py thon-ldap3-2.7/lib/python3.9/site-packages', '/gnu/store/vni7bai89v212agky7aihvf1kwdd6iwr-python-kaitaistruct- 0.10/lib/python3.9/site-packages', '/gnu/store/8z52kxfrn9bnghi5zvaqa7b9ss7hg9vh-python-hyperframe-6.0.1/lib/py thon3.9/site-packages', '/gnu/store/rwpkqrm75994jnw9lmf687p6xby1q6x-python-h2-4.1.0/lib/python3.9/site-packag es', '/gnu/store/v8gnbynwqznlrbvd2xv5c3j04020xfb8-python-h11-0.12.0/lib/python3.9/site-packages', '/gnu/store/ lmi5b4fmdr206i16gmwrldgzafn0b97r-python-cryptography-36.0.1/lib/python3.9/site-packages', '/gnu/store/5fxcv0p9 qamcvwlib9jpbx1xyb3iah1h-python-brotli-1.0.9/lib/python3.9/site-packages', '/gnu/store/i9ddvyf9vgzmfxfh28s1bi0z c8xyk8zn5-python-blinker-1.4/lib/python3.9/site-packages', '/gnu/store/yxxandg09ln1lwmsjjad60wpd5z9vcli-python -asgiref-3.4.1/lib/python3.9/site-packages', '/gnu/store/bj5d1a0asmnz9gqxjcb6wa9fww96qd-python-lxml-4.6.3/li b/python3.9/site-packages', '/gnu/store/5nk33ifpxl1jrwvsambdcnxwrxqlkjwi-python-soupsieve-2.2.1/lib/python3.9/ site-packages', '/gnu/store/5b7kyvxsip8i4phsdsfv48synwn0964-python-werkzeug-2.0.2/lib/python3.9/site-packages ', '/gnu/store/idwg7yli71kdaadqav6xn5xzb6rkcp20-python-jinja2-3.1.1/lib/python3.9/site-packages', '/gnu/store/ b7rh6gxczls7wf35kfvdp4n8hk0428m-python-importlib-metadata-4.11.3/lib/python3.9/site-packages', '/gnu/store/0p 17vrps9pmkmgcclkm01xhyg3lyi5-python-charDET-3.0.4/lib/python3.9/site-packages', '/gnu/store/g53zkr19vz43mrx9 h0gigj31f4smn411-python-webencodings-0.5.1/lib/python3.9/site-packages', '/gnu/store/cl3nc3lbzgjifp5c4fz0g0h34 bjaibf6-python-six-1.16.0/lib/python3.9/site-packages', '/gnu/store/q06w09f937q54kwwb3sfg8zdygn0gil-python-py rsistent-0.16.0/lib/python3.9/site-packages', '/gnu/store/88rlck93vmrdsavfm2hh99gzdsdaaf7-python-attrs-21.2.0 /lib/python3.9/site-packages', '/gnu/store/wzkwyppg2wx3k21sw48zmjgncvcczzcxi-python-wheel-0.37.0/lib/python3.9/ site-packages', '/gnu/store/7mcfqhl6v32k7bw4cv59bh9yq1kippxf-python-filelock-3.0.12/lib/python3.9/site-packag e', '/gnu/store/fhiv69glcxg9grxawbxbpaqqj90hshjq-python-distrib-0.3.1/lib/python3.9/site-packages', '/gnu/stor e/261ldzj9xcirdrh7narm79ggca2ka3dh-python-appdirs-1.4.3/lib/python3.9/site-packages', '/gnu/store/diym1fxxk82db 89yn55vqgh4923irgq8-python-ruamel.yaml.clib-0.2.6/lib/python3.9/site-packages', '/gnu/store/myxy10nn61nrpfyvx 20rq4416kmc25kl-python-bcrypt-3.2.0/lib/python3.9/site-packages', '/gnu/store/6hb6zs58gia4z75xgf32d4c82qh8iavd -python-pyasnl-0.4.8/lib/python3.9/site-packages', '/gnu/store/m0x8jwdhip0p7qmlpfqv6cfq7kh9aspz-python-gssapi- 1.6.12/lib/python3.9/site-packages', '/gnu/store/kjyl2km9wa5mpcfw2mq7r5r4x3q47lgl-python-hpack-4.0.0/lib/pytho n3.9/site-packages', '/gnu/store/jlx0r8vnr17ywdls9g9cmjlgwlkznlmv-python-iso8601-0.1.13/lib/python3.9/site-pac kages', '/gnu/store/w4hxd7w2nlwj4yj2yg3yif4mp508b59-python-idna-2.10/lib/python3.9/site-packages', '/gnu/stor e/p09ad3pwazgjcfcblz94lmwq0jgd41zp-python-ffi-1.14.4/lib/python3.9/site-packages', '/gnu/store/5ilflcq3fn6mx3 k20pv5pak2vnd3ybx-d-python-asn1crypto-1.4.0/lib/python3.9/site-packages', '/gnu/store/jbxjcw2b2f6nkigzrf4qp8avx 7yckbys-python-requests-2.26.0/lib/python3.9/site-packages', '/gnu/store/9qikfahx9wschf8jjlk02qp8mzbfmcm-pyth on-markupsafe-2.0.1/lib/python3.9/site-packages', '/gnu/store/613kbcqicf9acvi0hvdarbfnz6p2x3j-python-zipp-1.0 .0/lib/python3.9/site-packages', '/gnu/store/f0aa3qbah14mgmwdl6xn0wbnhm15b0jm-python-decorator-5.0.9/lib/pytho n3.9/site-packages', '/gnu/store/m5p8iinvgyb1sym6j1bg9vp27cr7yb0q-python-pyparser-2.20/lib/python3.9/site-pac kages', '/gnu/store/jm4dq8vksmaq7mcbkq115wpcpqv8qaqf-python-urllib3-1.26.7/lib/python3.9/site-packages', '/gnu /store/y0bzh1bq818mpkklpb8iv8410fy9a526-python-charset-normalizer-2.0.5/lib/python3.9/site-packages', '/gnu/st ore/hyglphskalqkmm3q0jfdzk820plq155i-python-certifi-2020.12.5/lib/python3.9/site-packages', '/gnu/store/d39sw 9kp42vf7wxqkb9ig2ydbq519bb-python-pysocks-1.7.1/lib/python3.9/site-packages', '/gnu/store/papscspynmdi51jmgw5 x5wbi9ijclxj-python-3.9.9/lib/python3.9/site-packages']
```

Traceback (most recent call last):

```
File "/gnu/store/ziiryffcgh9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin/.haketilo-real", line 42, in <module>
    sys.exit(load_entry_point('hydrilla==3.0b1', 'console_scripts', 'haketilo')())
File "/gnu/store/ziiryffcgh9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin/.haketilo-real", line 34, in importlib_
load_entry_point
    return next(matches).load()
StopIteration
```

If I try to run `mount -t tmpfs dummy /home/jacobk/.guix-profile/lib/python3.9/site-packages` (between the other mount command and `./haketilo`) I get:

```
mount: /home/jacobk/.guix-profile/lib/python3.9/site-packages: mount point does not exist.
```



Did I put any scripts on hkt.mitm.it (I don't recall)? Or do you actually mean the scripts injected by the proxy on other sites?

Weird, I had added <https://hkt.mitm.it/> to my allowed scripts list, but now that I check again I don't see any scripts on that page. It couldn't have been any scripts needed to install the certificate, because that was <https://mitm.it> and hkt.mitm.it wouldn't match mitm.it. So, I'm not really sure what made me do that. It's probably better if it doesn't use JavaScript, so browsers without JavaScript use Haketilo too (not that that's useful now, but in the future, when replacing HTML is officially supported, it would be beneficial I think).

**#20 - 10/22/2022 09:44 AM - koszko**

jacobk wrote:

After adding unset GUIX\_PYTHONPATH to gnu/store/ziiryfcgph9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin/haketilo in the binary release, I get [...]

OK, it was not the fault of GUIX\_PYTHONPATH. I now also noticed that in sys.path even before /gnu/store/ziiryfcgph9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/lib/python3.9/site-packages there appears /home/jacobk/.local/lib/python3.9/site-packages. I believe Python's default behavior is to add this directory to sys.path regardless of environment variables set. Given you were using hydrilla before, it seems likely that you have a package named "hydrilla" installed there using pip and it's likely that it is an older version like 1.1-beta1. Obviously, older versions did not have a "haketilo" console\_scripts entry point which /gnu/store/ziiryfcgph9jjcldz4rv2x5v6y0kxqh-hydrilla-3.0b1/bin/.haketilo-real is unsuccessfully trying to load.

I am now pretty sure this was the cause of errors. You can confirm by adding

```
mount -t tmpfs dummy /home/jacobk/.local/lib/python3.9/site-packages
```

to the sequence of namespace commands.

I really expect this command to make Haketilo start properly.

If I try to run `mount -t tmpfs dummy /home/jacobk/.guix-profile/lib/python3.9/site-packages` (between the other mount command and `./haketilo`) I get:

```
mount: /home/jacobk/.guix-profile/lib/python3.9/site-packages: mount point does not exist.
```

My bad - /home/jacobk/.guix-profile/lib/python3.9 is obviously a symlink to some directory under /gnu/ which we've already faked to be empty :)

It's probably better if it doesn't use JavaScript, so browsers without JavaScript use Haketilo too (not that that's useful now, but in the future, when replacing HTML is officially supported, it would be beneficial I think).

Yep, that's what I am thinking about, too. Plus most people who could be interested in Haketilo are probably already using NoScript, uBO, LibreJS or something similar for script blocking

## #21 - 10/24/2022 07:45 AM - jacobk

Yes, after the extra mount command Haketilo does work properly with the binary release.

I noticed that although pip show hydrilla shows version 3.0b, python3.9 -m pip show hydrilla shows version 1.0. (This is because my pip default is for python 3.8.) If I go to ~/.local/lib/python3.9/site-packages and rename all 3 folders starting with "hydrilla" to add "tmp-" to the beginning, then the binary release works without manually using unshare and mount. python3.9 -m pip uninstall hydrilla (after renaming the folders back to what they were) also makes the binary release work properly, and python3.9 -m pip install hydrilla breaks it again.

## #22 - 10/25/2022 04:37 PM - koszko

- Status changed from In Progress to Closed

- % Done changed from 0 to 100

Python can be told to ignore user's local packages through setting of certain environment variable. To have it done automatically, I just modified the Guix recipe to patch the shell wrappers of haketilo and other commands I provide. Here's the relevant commit

<https://git.koszko.org/pydrilla/commit/?h=koszko&id=f7c4dff95e88d58d61c51b2a6b94c90e2e4e0c4b>

You can checkout this commit and try it if you want. Building is now easier than it was :) make release in project directory takes care of the entire process and produces a nice tarball. Anyway, I'm pretty confident this particular issue is gone now.

The behavior of having user's local Python packages loaded before application's packages is somewhat strange. Perhaps Guix folks would be willing to make my solution a default? I'll make a suggestion

## #23 - 10/26/2022 07:26 PM - jacobk

For some reason I cannot get the release to build. I ran git clone https://git.koszko.org/pydrilla and git checkout f7c4dff95e88d58d61c51b2a6b94c90e2e4e0c4b and then make release. I tried with and without hydrilla installed in python3.9, and seemingly got the same error. The below log is from the attempt after uninstalling hydrilla1.0.

```
guix time-machine --commit=a86979b41a49a8fcdaa887970ba594dbba701226 -- shell -Df guix.scm -- python3 -m build
-s
* Creating venv isolated environment...
* Installing packages in isolated environment... (babel, setuptools>=44, setuptools_scm>=5.0, wheel)
* Getting dependencies for sdist...
running egg_info
writing src/hydrilla.egg-info/PKG-INFO
writing dependency_links to src/hydrilla.egg-info/dependency_links.txt
writing entry points to src/hydrilla.egg-info/entry_points.txt
writing requirements to src/hydrilla.egg-info/requirements.txt
writing top-level names to src/hydrilla.egg-info/top_level.txt
reading manifest template 'MANIFEST.in'
warning: no files found matching 'src/hydrilla/schemas/**/*.schema.json*'
warning: no files found matching 'tests/source-package-example/*'
warning: no files found matching 'tests/source-package-example/LICENSES/*'
warning: no files found matching 'tests/source-package-example/.reuse/*'
warning: no previously-included files matching '.git' found anywhere in distribution
warning: no previously-included files matching '*.mo' found anywhere in distribution
adding license file 'COPYING'
writing manifest file 'src/hydrilla.egg-info/SOURCES.txt'
* Building sdist...
running sdist
running egg_info
writing src/hydrilla.egg-info/PKG-INFO
writing dependency_links to src/hydrilla.egg-info/dependency_links.txt
writing entry points to src/hydrilla.egg-info/entry_points.txt
writing requirements to src/hydrilla.egg-info/requirements.txt
writing top-level names to src/hydrilla.egg-info/top_level.txt
```

```
reading manifest template 'MANIFEST.in'
warning: no files found matching 'src/hydrilla/schemas/*/*.schema.json*'
warning: no files found matching 'tests/source-package-example/*'
warning: no files found matching 'tests/source-package-example/LICENSES/*'
warning: no files found matching 'tests/source-package-example/.reuse/*'
warning: no previously-included files matching '.git' found anywhere in distribution
warning: no previously-included files matching '*.mo' found anywhere in distribution
adding license file 'COPYING'
writing manifest file 'src/hydrilla.egg-info/SOURCES.txt'
running check
creating hydrilla-3.0b2.dev22+gf7c4dff
creating hydrilla-3.0b2.dev22+gf7c4dff/.reuse
creating hydrilla-3.0b2.dev22+gf7c4dff/LICENSES
creating hydrilla-3.0b2.dev22+gf7c4dff/doc
creating hydrilla-3.0b2.dev22+gf7c4dff/doc/examples
creating hydrilla-3.0b2.dev22+gf7c4dff/doc/man
creating hydrilla-3.0b2.dev22+gf7c4dff/doc/man/man1
creating hydrilla-3.0b2.dev22+gf7c4dff/hydrilla-guix
creating hydrilla-3.0b2.dev22+gf7c4dff/src
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla.egg-info
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/builder
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/common_jinja_templates
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/common_jinja_templates/import
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/common_jinja_templates/include
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/locales
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/locales/en_US
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/locales/en_US/LC_MESSAGES
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/mitmproxy_launcher
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/policies
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/policies/info_pages_templates
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/policies/injectable_scripts
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/state_impl
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/state_impl/_operations
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/web_ui
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/web_ui/templates
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/web_ui/templates/items
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/web_ui/templates/prompts
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/web_ui/templates/repos
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/web_ui/templates/rules
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/server
creating hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/server/templates
creating hydrilla-3.0b2.dev22+gf7c4dff/tests
copying files to hydrilla-3.0b2.dev22+gf7c4dff...
copying COPYING -> hydrilla-3.0b2.dev22+gf7c4dff
copying MANIFEST.in -> hydrilla-3.0b2.dev22+gf7c4dff
copying Makefile -> hydrilla-3.0b2.dev22+gf7c4dff
copying README.md -> hydrilla-3.0b2.dev22+gf7c4dff
copying README.md.license -> hydrilla-3.0b2.dev22+gf7c4dff
copying babel.cfg -> hydrilla-3.0b2.dev22+gf7c4dff
copying bashrc -> hydrilla-3.0b2.dev22+gf7c4dff
copying conftest.py -> hydrilla-3.0b2.dev22+gf7c4dff
copying guix.scm -> hydrilla-3.0b2.dev22+gf7c4dff
copying mypy.ini -> hydrilla-3.0b2.dev22+gf7c4dff
copying pyproject.toml -> hydrilla-3.0b2.dev22+gf7c4dff
copying setup.cfg -> hydrilla-3.0b2.dev22+gf7c4dff
copying setup.py -> hydrilla-3.0b2.dev22+gf7c4dff
copying .reuse/dep5 -> hydrilla-3.0b2.dev22+gf7c4dff/.reuse
copying LICENSES/AGPL-3.0-or-later.txt -> hydrilla-3.0b2.dev22+gf7c4dff/LICENSES
copying LICENSES/CC-BY-SA-4.0.txt -> hydrilla-3.0b2.dev22+gf7c4dff/LICENSES
copying LICENSES/CC0-1.0.txt -> hydrilla-3.0b2.dev22+gf7c4dff/LICENSES
copying LICENSES/GPL-3.0-or-later.txt -> hydrilla-3.0b2.dev22+gf7c4dff/LICENSES
copying doc/examples/hydrilla.example.com.conf -> hydrilla-3.0b2.dev22+gf7c4dff/doc/examples
copying doc/examples/hydrilla.example.com.tls.conf -> hydrilla-3.0b2.dev22+gf7c4dff/doc/examples
copying doc/examples/hydrilla.wsgi -> hydrilla-3.0b2.dev22+gf7c4dff/doc/examples
copying doc/man/man1/hydrilla-builder.1 -> hydrilla-3.0b2.dev22+gf7c4dff/doc/man/man1
copying doc/man/man1/hydrilla.1 -> hydrilla-3.0b2.dev22+gf7c4dff/doc/man/man1
copying hydrilla-guix/hydrilla.scm -> hydrilla-3.0b2.dev22+gf7c4dff/hydrilla-guix
copying src/hydrilla/__init__.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla
copying src/hydrilla/_version.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla
copying src/hydrilla/common_jinja_templates.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla
copying src/hydrilla/exceptions.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla
copying src/hydrilla/item_infos.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla
copying src/hydrilla/json_instances.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla
```

```
copying src/hydrilla/pattern_tree.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla
copying src/hydrilla/py.typed -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla
copying src/hydrilla/translations.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla
copying src/hydrilla/url_patterns.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla
copying src/hydrilla/versions.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla
copying src/hydrilla.egg-info/PKG-INFO -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla.egg-info
copying src/hydrilla.egg-info/SOURCES.txt -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla.egg-info
copying src/hydrilla.egg-info/dependency_links.txt -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla.egg-info
copying src/hydrilla.egg-info/entry_points.txt -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla.egg-info
copying src/hydrilla.egg-info/not-zip-safe -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla.egg-info
copying src/hydrilla.egg-info/requires.txt -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla.egg-info
copying src/hydrilla.egg-info/top_level.txt -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla.egg-info
copying src/hydrilla/builder/__init__.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/builder
copying src/hydrilla/builder/__main__.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/builder
copying src/hydrilla/builder/build.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/builder
copying src/hydrilla/builder/common_errors.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/builder
copying src/hydrilla/builder/local_apt.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/builder
copying src/hydrilla/builder/piggybacking.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/builder
copying src/hydrilla/common_jinja_templates/base.html.jinja -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/comm
on_jinja_templates
copying src/hydrilla/common_jinja_templates/import/checkbox_tricks.html.jinja -> hydrilla-3.0b2.dev22+gf7c4dff
/src/hydrilla/common_jinja_templates/import
copying src/hydrilla/common_jinja_templates/include/checkbox_tricks_style.css.jinja -> hydrilla-3.0b2.dev22+gf
7c4dff/src/hydrilla/common_jinja_templates/include
copying src/hydrilla/common_jinja_templates/include/item_list_style.css.jinja -> hydrilla-3.0b2.dev22+gf7c4dff
/src/hydrilla/common_jinja_templates/include
copying src/hydrilla/locales/en_US/LC_MESSAGES/messages.po -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/local
es/en_US/LC_MESSAGES
copying src/hydrilla/mitmproxy_launcher/__init__.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/mitmproxy_la
uncher
copying src/hydrilla/mitmproxy_launcher/__main__.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/mitmproxy_la
uncher
copying src/hydrilla/mitmproxy_launcher/addon_script.py.mitmproxy -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrill
a/mitmproxy_launcher
copying src/hydrilla/mitmproxy_launcher/launch.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/mitmproxy_laun
cher
copying src/hydrilla/proxy/__init__.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy
copying src/hydrilla/proxy/addon.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy
copying src/hydrilla/proxy/csp.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy
copying src/hydrilla/proxy/http_messages.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy
copying src/hydrilla/proxy/simple_dependency_satisfying.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy
copying src/hydrilla/proxy/state.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy
copying src/hydrilla/proxy/policies/__init__.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/policies
copying src/hydrilla/proxy/policies/base.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/policies
copying src/hydrilla/proxy/policies/misc.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/policies
copying src/hydrilla/proxy/policies/payload.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/policies
copying src/hydrilla/proxy/policies/payload_resource.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/po
licies
copying src/hydrilla/proxy/policies/rule.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/policies
copying src/hydrilla/proxy/policies/web_ui.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/policies
copying src/hydrilla/proxy/policies/info_pages_templates/info_base.html.jinja -> hydrilla-3.0b2.dev22+gf7c4dff
/src/hydrilla/proxy/policies/info_pages_templates
copying src/hydrilla/proxy/policies/info_pages_templates/js_error_blocked_info.html.jinja -> hydrilla-3.0b2.de
v22+gf7c4dff/src/hydrilla/proxy/policies/info_pages_templates
copying src/hydrilla/proxy/policies/info_pages_templates/js_fallback_allowed_info.html.jinja -> hydrilla-3.0b2
.dev22+gf7c4dff/src/hydrilla/proxy/policies/info_pages_templates
copying src/hydrilla/proxy/policies/info_pages_templates/js_fallback_blocked_info.html.jinja -> hydrilla-3.0b2
.dev22+gf7c4dff/src/hydrilla/proxy/policies/info_pages_templates
copying src/hydrilla/proxy/policies/info_pages_templates/js_rule_allowed_info.html.jinja -> hydrilla-3.0b2.dev
22+gf7c4dff/src/hydrilla/proxy/policies/info_pages_templates
copying src/hydrilla/proxy/policies/info_pages_templates/js_rule_blocked_info.html.jinja -> hydrilla-3.0b2.dev
22+gf7c4dff/src/hydrilla/proxy/policies/info_pages_templates
copying src/hydrilla/proxy/policies/info_pages_templates/js_rule_info.html.jinja -> hydrilla-3.0b2.dev22+gf7c4
dff/src/hydrilla/proxy/policies/info_pages_templates
copying src/hydrilla/proxy/policies/info_pages_templates/payload_info.html.jinja -> hydrilla-3.0b2.dev22+gf7c4
dff/src/hydrilla/proxy/policies/info_pages_templates
copying src/hydrilla/proxy/policies/info_pages_templates/special_page_info.html.jinja -> hydrilla-3.0b2.dev22+
gf7c4dff/src/hydrilla/proxy/policies/info_pages_templates
copying src/hydrilla/proxy/policies/injectable_scripts/page_init_script.js.jinja -> hydrilla-3.0b2.dev22+gf7c4
dff/src/hydrilla/proxy/policies/injectable_scripts
copying src/hydrilla/proxy/policies/injectable_scripts/popup.js.jinja -> hydrilla-3.0b2.dev22+gf7c4dff/src/hyd
rilla/proxy/policies/injectable_scripts
copying src/hydrilla/proxy/state_impl/__init__.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/state_im
pl
copying src/hydrilla/proxy/state_impl/base.py -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/proxy/state_impl
```



```

copying src/hydrilla/server/templates/base.html -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/server/templates
copying src/hydrilla/server/templates/index.html -> hydrilla-3.0b2.dev22+gf7c4dff/src/hydrilla/server/template
s
copying tests/__init__.py -> hydrilla-3.0b2.dev22+gf7c4dff/tests
copying tests/config.json -> hydrilla-3.0b2.dev22+gf7c4dff/tests
copying tests/helpers.py -> hydrilla-3.0b2.dev22+gf7c4dff/tests
copying tests/test_build.py -> hydrilla-3.0b2.dev22+gf7c4dff/tests
copying tests/test_item_infos.py -> hydrilla-3.0b2.dev22+gf7c4dff/tests
copying tests/test_json_instances.py -> hydrilla-3.0b2.dev22+gf7c4dff/tests
copying tests/test_local Apt.py -> hydrilla-3.0b2.dev22+gf7c4dff/tests
copying tests/test_pattern_tree.py -> hydrilla-3.0b2.dev22+gf7c4dff/tests
copying tests/test_server.py -> hydrilla-3.0b2.dev22+gf7c4dff/tests
copying tests/test_url_patterns.py -> hydrilla-3.0b2.dev22+gf7c4dff/tests
copying tests/test_versions.py -> hydrilla-3.0b2.dev22+gf7c4dff/tests
copying tests/url_patterns_common.py -> hydrilla-3.0b2.dev22+gf7c4dff/tests
Writing hydrilla-3.0b2.dev22+gf7c4dff/setup.cfg
Creating tar archive
removing 'hydrilla-3.0b2.dev22+gf7c4dff' (and everything under it)
Successfully built hydrilla-3.0b2.dev22+gf7c4dff.tar.gz
VER="$(grep '^Version:' src/hydrilla.egg-info/PKG-INFO | cut -d' ' -f2)" &&
\
RELNAME=hydrilla-"$VER" && \
DISTFILE=dist/"$RELNAME".tar.gz && \
make clean-source-tarball-repack && \
mkdir source-tarball-repack/ && \
tar -C source-tarball-repack/ -xf "$DISTFILE" && \
guix time-machine --commit=a86979b41a49a8fcdaa887970ba594dbba701226 -- shell tar -- tar --mtime='1970-01-0
1 00:00Z' --sort=name --owner=0 --group=0 --numeric-owner --pax-option=exthdr.name=%d/PaxHeaders/%f,delete=ati
me,delete=ctime -C source-tarball-repack/ \
-cf "$DISTFILE" "$RELNAME"
make[1]: Entering directory '/home/jacobk/Programs/pydrilla'
rm -rf source-tarball-repack/
make[1]: Leaving directory '/home/jacobk/Programs/pydrilla'
Generated source tarball in:
./dist/hydrilla-3.0b2.dev22+gf7c4dff.tar.gz
guix time-machine --commit=a86979b41a49a8fcdaa887970ba594dbba701226 -- pack -L ./hydrilla-guix -RR hydrilla
\
-S /hydrilla=bin/hydrilla \
-S /hydrilla-builder=bin/hydrilla-builder \
-S /hydrilla-server=bin/hydrilla-server \
-S /haketilo=bin/haketilo | tee make-release.log
substitute: updating substitutes from 'https://ci.guix.gnu.org'... 100.0%
substitute: updating substitutes from 'https://bordeaux.guix.gnu.org'... 100.0%
The following derivation will be built:
/gnu/store/wcw6n07lpywqwzxp5gffg41qqghajp6-hydrilla-3.0b2.dev22+gf7c4dff.drv

building /gnu/store/wcw6n07lpywqwzxp5gffg41qqghajp6-hydrilla-3.0b2.dev22+gf7c4dff.drv...
| 'check' phasebuilder for `/gnu/store/wcw6n07lpywqwzxp5gffg41qqghajp6-hydrilla-3.0b2.dev22+gf7c4dff.drv' fai
led with exit code 1
build of /gnu/store/wcw6n07lpywqwzxp5gffg41qqghajp6-hydrilla-3.0b2.dev22+gf7c4dff.drv failed
View build log at '/var/log/guix/drvs/wc/w6n07lpywqwzxp5gffg41qqghajp6-hydrilla-3.0b2.dev22+gf7c4dff.drv.gz'.
guix pack: error: build of `/gnu/store/wcw6n07lpywqwzxp5gffg41qqghajp6-hydrilla-3.0b2.dev22+gf7c4dff.drv' fai
led
VER="$(grep '^Version:' src/hydrilla.egg-info/PKG-INFO | cut -d' ' -f2)" &&
\
RELNAME=haketilo-and-hydrilla-bin-"$VER"-"$(arch)" && \
PACKFILE="$(tail -1 make-release.log)" && \
make clean-bin-tarball-repack && \
mkdir bin-tarball-repack/ && \
mkdir bin-tarball-repack/"$RELNAME" && \
tar -C bin-tarball-repack/"$RELNAME"/ -xf "$PACKFILE" && \
chmod -R +w bin-tarball-repack/"$RELNAME" && \
guix time-machine --commit=a86979b41a49a8fcdaa887970ba594dbba701226 -- shell tar -- tar --mtime='1970-01-0
1 00:00Z' --sort=name --owner=0 --group=0 --numeric-owner --pax-option=exthdr.name=%d/PaxHeaders/%f,delete=ati
me,delete=ctime -C bin-tarball-repack/ \
-cf "$RELNAME".tar.gz "$RELNAME"
make[1]: Entering directory '/home/jacobk/Programs/pydrilla'
test -d bin-tarball-repack/ && chmod -R +w bin-tarball-repack/ || true
rm -rf bin-tarball-repack/
make[1]: Leaving directory '/home/jacobk/Programs/pydrilla'
tar: : Cannot open: No such file or directory
tar: Error is not recoverable: exiting now
make: *** [Makefile:58: release] Error 2

```

Strangely, file `dist/hydrilla-3.0b2.dev22+gf7c4dff.tar.gz` prints `dist/hydrilla-3.0b2.dev22+gf7c4dff.tar.gz: POSIX tar archive`, and `gzip -d dist/hydrilla-3.0b2.dev22+gf7c4dff.tar.gz` prints `gzip: dist/hydrilla-3.0b2.dev22+gf7c4dff.tar.gz: not in gzip format`. It does seem to be a valid tar file with the source code though.

I can build `v3.0b1`, but not the latest `koszko` branch. Should I open up a new issue for this?

#### #24 - 10/26/2022 08:00 PM - koszko

I can build `v3.0b1`, but not the latest `koszko` branch. Should I open up a new issue for this?

You seriously scared me with this. But it's probably just missing git submodules :) What's needed is `git clone --recursive` or equivalent. I probably ought to document this...

Anyway, if you experience further issues after cloning all git submodules, it's indeed a good idea to open a new issue. Otherwise, there's no need.

Btw, if curious, you can view the actual build log from Guix with

```
bunzip2 -c /var/log/guix/drvs/wc/w6n071pywqwzxp5gffg41qqghajp6-hydrilla-3.0b2.dev22+gf7c4dff.drv.gz | less
```

#### #25 - 10/27/2022 01:10 AM - jacobk

Yep, that's what the problem was. After cloning the submodules properly, everything is working fine.

Thanks for all your help!

#### Files

---

<code>patch.patch</code>	853 Bytes	10/13/2022	koszko
--------------------------	-----------	------------	--------