

certbot / letsencrypt

Debian Buster has old certbot version 0.31 Install latest certbot:

- <https://packages.debian.org/pl/bullseye/certbot>

```
apt install certbot python3-certbot-apache -t bullseye
```

obtain wildcard cert

```
# First obtain normal domain certificate
certbot -d 'example.com'
```

```
# Then obtain again with wildcard. It will ask to Expand existing cert.
certbot -d 'example.com,*.example.com'
```

using manual and DNS

```
certbot certonly --manual -d 'example.com,*.example.com'
```

TXT entry in following form has to be added:

```
_acme-challenge.example.com. 300 IN TXT "gfj9Xq...Rg85nM"
```

Ensure record is propagated:

```
$ host -t TXT _acme-challenge.example.com
_acme-challenge.example.com descriptive text "gfj9Xq...Rg85nM"
```

Issues

```
# certbot --version
```

An unexpected error occurred:

AttributeError: module 'certbot.plugins.common' has no attribute 'TLSSNI01'
Please see the logfile '/tmp/tmpblcmrgsb/log' for more details.

```
# cat /tmp/tmpblcmrgsb/log
```

```
2020-07-02 18:21:23,098:DEBUG:certbot._internal.log:Exiting abnormally:
```

```
Traceback (most recent call last):
```

```
File "/usr/bin/certbot", line 11, in <module>
```

```
load_entry_point('certbot==1.5.0', 'console_scripts', 'certbot')()
```

```
File "/usr/lib/python3/dist-packages/certbot/main.py", line 15, in main
```

```
return internal_main.main(cli_args)
```

```
File "/usr/lib/python3/dist-packages/certbot/_internal/main.py", line
1317, in main
    plugins = plugins_disco.PluginsRegistry.find_all()
File "/usr/lib/python3/dist-packages/certbot/_internal/plugins/disco.py",
line 207, in find_all
    plugin_ep = PluginEntryPoint(entry_point)
File "/usr/lib/python3/dist-packages/certbot/_internal/plugins/disco.py",
line 54, in __init__
    self.plugin_cls = entry_point.load()
File "/usr/local/lib/python3.7/dist-packages/pkg_resources/__init__.py",
line 2443, in load
    return self.resolve()
File "/usr/local/lib/python3.7/dist-packages/pkg_resources/__init__.py",
line 2449, in resolve
    module = __import__(self.module_name, fromlist=['__name__'], level=0)
File "/usr/lib/python3/dist-packages/certbot_apache/entrypoint.py", line
4, in <module>
    from certbot_apache import configurator
File "/usr/lib/python3/dist-packages/certbot_apache/configurator.py", line
32, in <module>
    from certbot_apache import http_01
File "/usr/lib/python3/dist-packages/certbot_apache/http_01.py", line 13,
in <module>
    class ApacheHttp01(common.TLSSNI01):
File "/usr/lib/python3/dist-packages/certbot/plugins/common.py", line 443,
in __getattr__
    return getattr(self._module, attr)
AttributeError: module 'certbot.plugins.common' has no attribute 'TLSSNI01'
2020-07-02 18:21:23,098:ERROR:certbot._internal.log:An unexpected error
occurred:
2020-07-02 18:21:23,098:ERROR:certbot._internal.log:AttributeError: module
'certbot.plugins.common' has no attribute 'TLSSNI01'
</bash>
```

Solution:

```
<code bash>
pip list | grep apache
certbot-apache      0.31.0

pip uninstall certbot-apache
apt install python3-certbot-apache -t bullseye

# pip list | grep apache
certbot-apache      1.4.0
```

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