

# Installing matrix-synapse on pypy

```
sudo apt install virtualenv
virtualenv -p ./pypy3 ~/synapse/env
source ~/synapse/env/bin/activate
pip install --upgrade pip
pip install --upgrade setuptools
sudo apt install libjpeg-dev libxslt-dev libxml2-dev
postgresql-server-dev-all
pip install matrix-synapse[all]
```

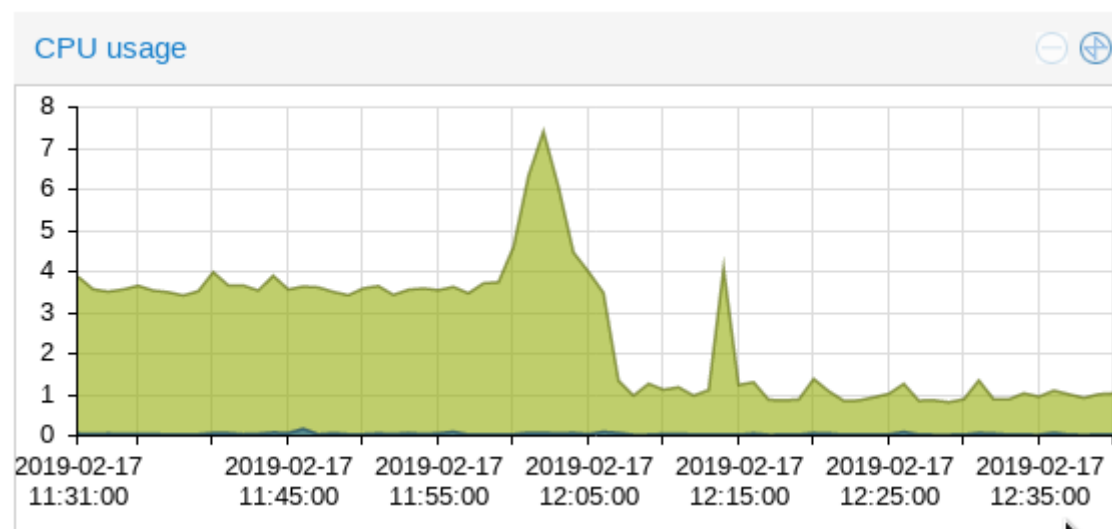
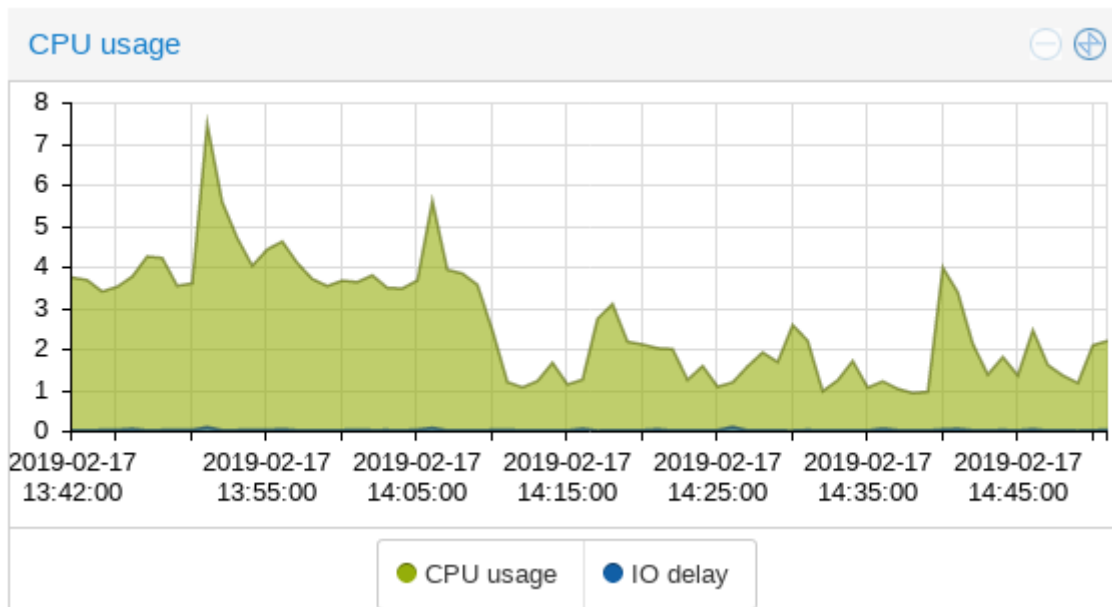
Currently, this is working. However, adding rooms is causing issues but only with some rooms. The error generated looks like this.

```
2019-02-17 18:15:11,331 - synapse.access.http.8008 - 233 - INFO - GET-5 - 192.168.1.254 -
8008 - Received request: GET /_matrix/client/r0/groups/world/profile
2019-02-17 18:15:11,334 - synapse.http.server - 112 - ERROR - GET-5 - Failed handle request via <function
JsonResource._async_render at 0x00007fae97c4f240>: <XForwardedForRequest at 0x7fae94986950
method='GET' uri='/_matrix/client/r0/groups/world/profile' clientproto='HTTP/1.0' site=8008>:
Traceback (most recent call last): File "/home/kenneth/synapse/env/site-
packages/twisted/internet/defer.py", line 1418, in _inlineCallbacks result =
g.send(result) File "/home/kenneth/synapse/env/site-packages/synapse/http/server.py", line
316, in _async_render
    callback_return = yield callback(request, **kwargs) File "/home/kenneth/synapse/env/site-
packages/twisted/internet/defer.py", line 1613, in unwindGenerator return
_cancellableInlineCallbacks(gen) File "/home/kenneth/synapse/env/site-
packages/twisted/internet/defer.py", line 1529, in _cancellableInlineCallbacks
    _inlineCallbacks(None, g, status)
--- <exception caught here> --- File "/home/kenneth/synapse/env/site-
packages/synapse/http/server.py", line 81, in wrapped_request_handler yield h(self,
request) File "/home/kenneth/synapse/env/site-packages/synapse/http/server.py", line 316, in
_async_render
    callback_return = yield callback(request, **kwargs) File "/home/kenneth/synapse/env/site-
packages/twisted/internet/defer.py", line 1418, in _inlineCallbacks result =
```

```
g.send(result) File "/home/kenneth/synapse/env/site-
packages/synapse/rest/client/v2_alpha/groups.py", line 47, in on_GET
    requester_user_id, File "/home/kenneth/synapse/env/site-
packages/synapse/handlers/groups_local.py", line 34, in f
    if self.is_mine_id(group_id): File "/home/kenneth/synapse/env/site-
packages/synapse/server.py", line 235, in is_mine_id    return string.split(":", 1)[1] ==
self.hostname
builtins.IndexError: list index out of range
```

If I switch to a regular version of python to add the room and then switch back to pypy, I can talk to the room just fine.

There's a definite decrease in utilization using pypy. Check out these graphs.



Revision #5

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