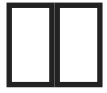


# pip & docker-compose



## 1. 環境

- os : centos7
- pip : pip2 / pip3

## 2. 環境構築

- pip2をインストールし、python3で実行できるようにする
- pipをpip2からpip3に変更する

```
$> ls -l pip
/usr/bin/pip -> /usr/bin/pip2
$> ln -snf /usr/bin/pip3 /usr/bin/pip
$> pip -V
pip 21.0.1 from /usr/local/lib/python3.6/site-packages/pip (python 3.6)
```

## 3. pipでdocker-composeをインストール

```
$ pip instal docker-compose
...
Collecting cryptography>=2.5 (from paramiko>=2.4.2; extra == "ssh"->docker[ssh]<5,>=4.4.3-
>docker-compose)
Downloading http://python.org/pypi/+f/2d3/2223e5b0ee029/cryptography-3.4.6.tar.gz (546kB)
100% |████████████████████████████████████████| 552kB 43.7MB/s
Complete output from command python setup.py egg_info:
WARNING: The wheel package is not available.
ERROR: 'pip wheel' requires the 'wheel' package. To fix this, run: pip install wheel
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/site-packages/setuptools/installer.py", line 75, in fetch_build_egg
    subprocess.check_call(cmd)
  File "/usr/lib64/python3.6/subprocess.py", line 311, in check_call
    raise CalledProcessError(retcode, cmd)
subprocess.CalledProcessError: Command '['/usr/bin/python3', '-m', 'pip', '--disable-pip-version-
check', 'wheel', '--no-deps', '-w', '/tmp/tmpn5ys3xpr', '--quiet', 'cffi>=1.12']' returned non-zero exit
```

status 1.

The above exception was the direct cause of the following exception: Traceback (most recent call last): File "<string>", line 1, in <module> File "/tmp/pip-build-0pwkcfz1/cryptography/setup.py", line 152, in <module> rust\_extensions=rust\_extensions, File "/usr/local/lib/python3.6/site-packages/setuptools/\_\_init\_\_.py", line 152, in setup \_install\_setup\_requires(attrs) File "/usr/local/lib/python3.6/site-packages/setuptools/\_\_init\_\_.py", line 147, in \_install\_setup\_requires dist.fetch\_build\_eggs(dist.setup\_requires) File "/usr/local/lib/python3.6/site-packages/setuptools/dist.py", line 689, in fetch\_build\_eggs replace\_conflicting=True, File "/usr/local/lib/python3.6/site-packages/pkg\_resources/\_\_init\_\_.py", line 768, in resolve replace\_conflicting=replace\_conflicting File "/usr/local/lib/python3.6/site-packages/pkg\_resources/\_\_init\_\_.py", line 1051, in best\_match return self.obtain(req, installer) File "/usr/local/lib/python3.6/site-packages/pkg\_resources/\_\_init\_\_.py", line 1063, in obtain return installer(requirement) File "/usr/local/lib/python3.6/site-packages/setuptools/dist.py", line 745, in fetch\_build\_egg return fetch\_build\_egg(self, req) File "/usr/local/lib/python3.6/site-packages/setuptools/installer.py", line 77, in fetch\_build\_egg raise DistutilsError(str(e)) from e distutils.errors.DistutilsError: Command '['/usr/bin/python3', '-m', 'pip', '--disable-pip-version-check', 'wheel', '--no-deps', '-w', '/tmp/tmpn5ys3xpr', '--quiet', 'cffi>=1.12']' returned non-zero exit status 1.

=====DEBUG

ASSISTANCE===== If you are seeing a compilation error please try the following steps to successfully install cryptography: 1) Upgrade to the latest pip and try again. This will fix errors for most users. See:

<https://pip.pypa.io/en/stable/installing/#upgrading-pip> 2) Read

<https://cryptography.io/en/latest/installation.html> for specific instructions for your platform. 3) Check our frequently asked questions for more information:

<https://cryptography.io/en/latest/faq.html> 4) Ensure you have a recent Rust toolchain installed:

<https://cryptography.io/en/latest/installation.html#rust> 5) If you are experiencing issues with Rust for \*this release only\* you may set the environment variable

`CRYPTOGRAPHY\_DONT\_BUILD\_RUST=1`. =====DEBUG

ASSISTANCE===== ----- Command "python setup.py egg\_info" failed with error code 1 in /tmp/pip-build-0pwkcfz1/cryptography/

- `pip` `2` `3` `4` `5` `6` `7` `8` `9` `10` `11` `12` `13` `14` `15` `16` `17` `18` `19` `20` `21` `22` `23` `24` `25` `26` `27` `28` `29` `30` `31` `32` `33` `34` `35` `36` `37` `38` `39` `40` `41` `42` `43` `44` `45` `46` `47` `48` `49` `50` `51` `52` `53` `54` `55` `56` `57` `58` `59` `60` `61` `62` `63` `64` `65` `66` `67` `68` `69` `70` `71` `72` `73` `74` `75` `76` `77` `78` `79` `80` `81` `82` `83` `84` `85` `86` `87` `88` `89` `90` `91` `92` `93` `94` `95` `96` `97` `98` `99` `100` `101` `102` `103` `104` `105` `106` `107` `108` `109` `110` `111` `112` `113` `114` `115` `116` `117` `118` `119` `120` `121` `122` `123` `124` `125` `126` `127` `128` `129` `130` `131` `132` `133` `134` `135` `136` `137` `138` `139` `140` `141` `142` `143` `144` `145` `146` `147` `148` `149` `150` `151` `152` `153` `154` `155` `156` `157` `158` `159` `160` `161` `162` `163` `164` `165` `166` `167` `168` `169` `170` `171` `172` `173` `174` `175` `176` `177` `178` `179` `180` `181` `182` `183` `184` `185` `186` `187` `188` `189` `190` `191` `192` `193` `194` `195` `196` `197` `198` `199` `200` `201` `202` `203` `204` `205` `206` `207` `208` `209` `210` `211` `212` `213` `214` `215` `216` `217` `218` `219` `220` `221` `222` `223` `224` `225` `226` `227` `228` `229` `230` `231` `232` `233` `234` `235` `236` `237` `238` `239` `240` `241` `242` `243` `244` `245` `246` `247` `248` `249` `250` `251` `252` `253` `254` `255` `256` `257` `258` `259` `260` `261` `262` `263` `264` `265` `266` `267` `268` `269` `270` `271` `272` `273` `274` `275` `276` `277` `278` `279` `280` `281` `282` `283` `284` `285` `286` `287` `288` `289` `290` `291` `292` `293` `294` `295` `296` `297` `298` `299` `300` `301` `302` `303` `304` `305` `306` `307` `308` `309` `310` `311` `312` `313` `314` `315` `316` `317` `318` `319` `320` `321` `322` `323` `324` `325` `326` `327` `328` `329` `330` `331` `332` `333` `334` `335` `336` `337` `338` `339` `340` `341` `342` `343` `344` `345` `346` `347` `348` `349` `350` `351` `352` `353` `354` `355` `356` `357` `358` `359` `360` `361` `362` `363` `364` `365` `366` `367` `368` `369` `370` `371` `372` `373` `374` `375` `376` `377` `378` `379` `380` `381` `382` `383` `384` `385` `386` `387` `388` `389` `390` `391` `392` `393` `394` `395` `396` `397` `398` `399` `400` `401` `402` `403` `404` `405` `406` `407` `408` `409` `410` `411` `412` `413` `414` `415` `416` `417` `418` `419` `420` `421` `422` `423` `424` `425` `426` `427` `428` `429` `430` `431` `432` `433` `434` `435` `436` `437` `438` `439` `440` `441` `442` `443` `444` `445` `446` `447` `448` `449` `450` `451` `452` `453` `454` `455` `456` `457` `458` `459` `460` `461` `462` `463` `464` `465` `466` `467` `468` `469` `470` `471` `472` `473` `474` `475` `476` `477` `478` `479` `480` `481` `482` `483` `484` `485` `486` `487` `488` `489` `490` `491` `492` `493` `494` `495` `496` `497` `498` `499` `500` `501` `502` `503` `504` `505` `506` `507` `508` `509` `510` `511` `512` `513` `514` `515` `516` `517` `518` `519` `520` `521` `522` `523` `524` `525` `526` `527` `528` `529` `530` `531` `532` `533` `534` `535` `536` `537` `538` `539` `540` `541` `542` `543` `544` `545` `546` `547` `548` `549` `550` `551` `552` `553` `554` `555` `556` `557` `558` `559` `560` `561` `562` `563` `564` `565` `566` `567` `568` `569` `570` `571` `572` `573` `574` `575` `576` `577` `578` `579` `580` `581` `582` `583` `584` `585` `586` `587` `588` `589` `590` `591` `592` `593` `594` `595` `596` `597` `598` `599` `600` `601` `602` `603` `604` `605` `606` `607` `608` `609` `610` `611` `612` `613` `614` `615` `616` `617` `618` `619` `620` `621` `622` `623` `624` `625` `626` `627` `628` `629` `630` `631` `632` `633` `634` `635` `636` `637` `638` `639` `640` `641` `642` `643` `644` `645` `646` `647` `648` `649` `650` `651` `652` `653` `654` `655` `656` `657` `658` `659` `660` `661` `662` `663` `664` `665` `666` `667` `668` `669` `670` `671` `672` `673` `674` `675` `676` `677` `678` `679` `680` `681` `682` `683` `684` `685` `686` `687` `688` `689` `690` `691` `692` `693` `694` `695` `696` `697` `698` `699` `700` `701` `702` `703` `704` `705` `706` `707` `708` `709` `710` `711` `712` `713` `714` `715` `716` `717` `718` `719` `720` `721` `722` `723` `724` `725` `726` `727` `728` `729` `730` `731` `732` `733` `734` `735` `736` `737` `738` `739` `740` `741` `742` `743` `744` `745` `746` `747` `748` `749` `750` `751` `752` `753` `754` `755` `756` `757` `758` `759` `760` `761` `762` `763` `764` `765` `766` `767` `768` `769` `770` `771` `772` `773` `774` `775` `776` `777` `778` `779` `780` `781` `782` `783` `784` `785` `786` `787` `788` `789` `790` `791` `792` `793` `794` `795` `796` `797` `798` `799` `800` `801` `802` `803` `804` `805` `806` `807` `808` `809` `810` `811` `812` `813` `814` `815` `816` `817` `818` `819` `820` `821` `822` `823` `824` `825` `826` `827` `828` `829` `830` `831` `832` `833` `834` `835` `836` `837` `838` `839` `840` `841` `842` `843` `844` `845` `846` `847` `848` `849` `850` `851` `852` `853` `854` `855` `856` `857` `858` `859` `860` `861` `862` `863` `864` `865` `866` `867` `868` `869` `870` `871` `872` `873` `874` `875` `876` `877` `878` `879` `880` `881` `882` `883` `884` `885` `886` `887` `888` `889` `890` `891` `892` `893` `894` `895` `896` `897` `898` `899` `900` `901` `902` `903` `904` `905` `906` `907` `908` `909` `910` `911` `912` `913` `914` `915` `916` `917` `918` `919` `920` `921` `922` `923` `924` `925` `926` `927` `928` `929` `930` `931` `932` `933` `934` `935` `936` `937` `938` `939` `940` `941` `942` `943` `944` `945` `946` `947` `948` `949` `950` `951` `952` `953` `954` `955` `956` `957` `958` `959` `960` `961` `962` `963` `964` `965` `966` `967` `968` `969` `970` `971` `972` `973` `974` `975` `976` `977` `978` `979` `980` `981` `982` `983` `984` `985` `986` `987` `988` `989` `990` `991` `992` `993` `994` `995` `996` `997` `998` `999` `1000` `1001` `1002` `1003` `1004` `1005` `1006` `1007` `1008` `1009` `1010` `1011` `1012` `1013` `1014` `1015` `1016` `1017` `1018` `1019` `1020` `1021` `1022` `1023` `1024` `1025` `1026` `1027` `1028` `1029` `1030` `1031` `1032` `1033` `1034` `1035` `1036` `1037` `1038` `1039` `1040` `1041` `1042` `1043` `1044` `1045` `1046` `1047` `1048` `1049` `1050` `1051` `1052` `1053` `1054` `1055` `1056` `1057` `1058` `1059` `1060` `1061` `1062` `1063` `1064` `1065` `1066` `1067` `1068` `1069` `1070` `1071` `1072` `1073` `1074` `1075` `1076` `1077` `1078` `1079` `1080` `1081` `1082` `1083` `1084` `1085` `1086` `1087` `1088` `1089` `1090` `1091` `1092` `1093` `1094` `1095` `1096` `1097` `1098` `1099` `1100` `1101` `1102` `1103` `1104` `1105` `1106` `1107` `1108` `1109` `1110` `1111` `1112` `1113` `1114` `1115` `1116` `1117` `1118` `1119` `1120` `1121` `1122` `1123` `1124` `1125` `1126` `1127` `1128` `1129` `1130` `1131` `1132` `1133` `1134` `1135` `1136` `1137` `1138` `1139` `1140` `1141` `1142` `1143` `1144` `1145` `1146` `1147` `1148` `1149` `1150` `1151` `1152` `1153` `1154` `1155` `1156` `1157` `1158` `1159` `1160` `1161` `1162` `1163` `1164` `1165` `1166` `1167` `1168` `1169` `1170` `1171` `1172` `1173` `1174` `1175` `1176` `1177` `1178` `1179` `1180` `1181` `1182` `1183` `1184` `1185` `1186` `1187` `1188` `1189` `1190` `1191` `1192` `1193` `1194` `1195` `1196` `1197` `1198` `1199` `1200` `1201` `1202` `1203` `1204` `1205` `1206` `1207` `1208` `1209` `1210` `1211` `1212` `1213` `1214` `1215` `1216` `1217` `1218` `1219` `1220` `1221` `1222` `1223` `1224` `1225` `1226` `1227` `1228` `1229` `1230` `1231` `1232` `1233` `1234` `1235` `1236` `1237` `1238` `1239` `1240` `1241` `1242` `1243` `1`

## 5.

```
$ pip install --upgrade setuptools pip --ignore-installed
WARNING: Running pip install with root privileges is generally not a good idea. Try pip install --user
instead. Collecting setuptools Downloading http://python.org/pypi/+f/0e8/6620d658c5ca8/setuptools-
53.0.0-py3-none-any.whl (784kB) 100% |██████████████████████████████████████████████████████████| 788kB
58.3MB/s Collecting pip Downloading http://python.org/pypi/+f/37f/d50e056e2aed6/pip-21.0.1-py3-
none-any.whl (1.5MB) 100% |██████████████████████████████████████████████████████████| 1.5MB 36.2MB/s
Installing collected packages: setuptools, pip
```

## 6. docker-compose

```
$ pip install docker-compose
WARNING: pip is being invoked by an old script wrapper. This will fail in a future version of pip.
Please see https://github.com/pypa/pip/issues/5599 for advice on fixing the underlying issue.
To avoid this problem you can invoke Python with '-m pip' instead of running pip directly.
Looking in indexes: http://python.org/pypi/simple/
Collecting docker-compose
...
Successfully installed PyYAML-5.4.1 attrs-20.3.0 bcrypt-3.2.0 cached-property-1.5.2 certifi-2020.12.5
cffi-1.14.5 chardet-4.0.0 cryptography-3.4.6 distro-1.5.0 docker-4.4.3 docker-compose-1.28.4
dockerpty-0.4.1 docopt-0.6.2 idna-2.10 importlib-metadata-3.6.0 jsonschema-3.2.0 paramiko-2.7.2
pyparser-2.20 pynacl-1.4.0 pyrsistent-0.17.3 python-dotenv-0.15.0 requests-2.25.1 six-1.15.0
texttable-1.6.3 typing-extensions-3.7.4.3 urllib3-1.26.3 websocket-client-0.57.0 zipp-3.4.0
```

## 7. !

```
$ pip list| grep docker
docker          4.4.3
docker-compose  1.28.4
dockerpty       0.4.1
```

---

Revision #1

Created 7 June 2022 14:33:04 by artop0420

Updated 5 July 2023 00:26:12 by artop0420