

- requirement
 - arcus
 - zookeeper server running
- requirement
 - \$sudo apt-get install python3 & python3 -version
 - \$sudo apt-get install python3-pip
 - \$pip install --upgrade pip & \$pip3 install --upgrade pip
 - 방금 전에서 locale 에러 생기면 (<https://stackoverflow.com/questions/36394101/pip-install-locale-error-unsupported-locale-setting>) 여기서 2번째 사람이 한거 그대로 하면 해결
- requirement
 - \$sudo pip3 install django~=1.10
 - \$sudo pip3 install kazoo~=2.2.1
 - \$sudo pip3 install python-memcached~=1.57
 - \$sudo pip3 install redis~=2.10.5
 - \$sudo pip3 install pymysql
 - \$sudo pip3 install psutil
- requirement
 - \$sudo apt-get install python-rrdtool
 - \$sudo apt-get install librrd-dev libpython3-dev
 - \$sudo pip3 install rrdtool==0.1.2
 - \$sudo apt-get install apache2
- modify
 - /hubblemon/common/setting.py

```

32
33 collect_server_port = 30001
34
35 hostname = socket.gethostname()
36
37 # should be sorted by addr
38 # add listener if you want
39
40 #listener_list = [(('%s:40001' % hostname, rrd_storage_manager('collect_server/listener_40001')))]
41 #listener_list = [(('%s:40001' % hostname, sql_storage_manager('hubblemon.db')))]
42 #listener_list = [(('%s:30000' % hostname, tsdb_storage_manager('127.0.0.1:8000')))]
43 listener_list = [(('%s:30001' % hostname, 'collect_server/listener_40001', 'local'))]
44

```

이건 그대로 따라하고

```

72 main_link = [ ('system', '/system'),
73               ('expr', '/expr'),
74               ('arcus_graph', '/graph?type=arcus_graph'),
75               ('arcus_stat', '/chart?type=arcus_stat'),
76               ('arcus_prefix', '/chart?type=arcus_prefix'),
77               ('arcus_list', '/addon?type=arcus_list'),
78               ('memcached_stat', '/chart?type=memcached_stat'),
79               ('memcached_query', '/query?type=memcached_query'),
80               ('arcus_query', '/query?type=arcus_query')]
81
82 # for arcus_mon
83
84
85 # example
86
87 arcus_zk_addrs=[]
88 arcus_zk_addrs.append('192.168.56.101:2181')
89
90

```

여기 88번째줄 ip만 zookeeper address:2181

- /hubblemon/collect_server/setting.py
- 주석만 잘 풀기

```

73
74 # add client plugins
75
76 from arcus_mon.arcus_alarm import arcus_alarm
77 main_alarm.add_plugin(arcus_alarm())
78 '''
79 from psutil_mon.psutil_alarm import psutil_alarm
80 main_alarm.add_plugin(psutil_alarm())
81
82 from cubrid_mon.cubrid_alarm import cubrid_alarm
83 main_alarm.add_plugin(cubrid_alarm())
84
85 from mysql_mon.mysql_alarm import mysql_alarm
86 main_alarm.add_plugin(mysql_alarm())
87 '''
88 from memcached_mon.memcached_alarm import memcached_alarm
89 main_alarm.add_plugin(memcached_alarm())
90 '''
91 from redis_mon.redis_alarm import redis_alarm
92 main_alarm.add_plugin(redis_alarm())
93 '''
94

```

-/hubblemon/collect_client/run_client.py

```
20 import sys, socket
21
22 from collect_client import *
23 #from client_psutil_plugin import psutil_stat
24 from client_arcus_plugin import arcus_stat
25 from client_memcached_plugin import memcached_stat
26 #from client_redis_plugin import redis_stat
27 #from client_cubrid_plugin import cubrid_stat
28 #from client_mysql_plugin import mysql_stat
29 #from client_jstat_plugin import jstat_stat
30
31
32 hostname = socket.gethostname()
33
34
35 #server_address = ['1.1.1.1:40000', '2.2.2.2:40000'] # your collect server address
36 server_address = ['%s:30001' % hostname] # your collect server address
37
```

```
46
47 # arcus stat example
48 arcus = arcus_stat()
49 arcus.auto_register()
50 c.plugins.append(arcus)
51
52 # memcached stat example
53 mc = memcached_stat()
54 mc.auto_register()
55 c.plugins.append(mc)
56
57 """
58 # mysql stat example
59 my = mysql_stat()
60 my.push_db('dbname', 'mysql.sock_path', 'id', 'pw')
61 c.plugins.append(my)
62
63 # cubrid stat example
64 cub = cubrid_stat()
65 cub.auto_register()
66 c.plugins.append(cub)
67
68 # redis stat example
69 rds = redis_stat()
70 rds.auto_register()
71 c.plugins.append(rds)
72
73 # jstat stat example
74 js = jstat_stat()
75 js.auto_register(['java', 'apache', 'catalina'], trace=True)
76 c.plugins.append(js)
77
78 # system stat (psutil) example
79 ps = psutil_stat()
80 c.plugins.append(ps)
81 """
82
83 c.daemon()
84
85
86
```

- run(/hubblemon/에서)
 - \$nohup python3 ./collect_server/run_server.py &
 - \$nohup python3 ./collect_server/run_listener.py &
 - \$nohup python3 ./collect_client/run_client.py &
 - \$nohup python3 manage.py runserver 127.0.0.1:8080 &
 - 이 4개중에 하나라도 에러뜨면 cat nohup.out 으로 확인
 - 4개 다 돌아가는지 보려면 \$jobs
 - 끄려면 \$ps -aux 하고 위에 4개 다 \$kill [pid] 는 알잔어?