

## Nebula-M Test Automation 1.2

旧库: <http://gitlab.sz.sensetime.com/yangxinming/test>

新库: <http://gitlab.sz.sensetime.com/yangxinming/nebula-m-1.2>

问题:

- 配置不简便, 不灵活
- 文件臃肿, 结构不清晰
- report/result 不直观

配置不简便, 不灵活 -> 1. 参数化运行(最常用的, 和启动测试相关), 2. config.py (测试环境相关)

```
suite = unittest.TestSuite()
loader = unittest.TestLoader()
suite_v1 = unittest.TestSuite()
runner = HTMLTestRunner(
    output="/tmp/api/", template="misc/template.html", failfast=stop_on_error
)

# debug
# suite.addTest(TestApiParam('test_515_update_camera'))
suite.addTest(TestApiScenario("test_lib_capacity"))
# suite.addTest(TestApiParam('test_1029_1030_1031_1032_face_image'))
# suite.addTest(TestApiScenario('test_1vn'))
# suite.addTest(TestApiRepeat('test_noreboot_operations'))
# suite.addTest(TestWebUI('test_basic'))
# suite.addTest(TestInteractionTest('test_z_1292_upgrade'))
# suite.addTest(TestLongTest('test_z_1292_upgrade'))

suite_v1.addTest(loader.loadTestsFromTestCase(TestApiParam))
# suite_v1.addTest(loader.loadTestsFromTestCase(TestApiScenario))
# suite_v1.addTest(loader.loadTestsFromTestCase(TestApiRepeat))
# suite_v1.addTest(loader.loadTestsFromTestCase(TestInteractionTest))
# suite_v1.addTest(loader.loadTestsFromTestCase(TestLongTest))

# ret = runner.run(suite_v1)
ret = runner.run(suite)
```

install dependency:

pip3 install -r requirements.txt

start testing

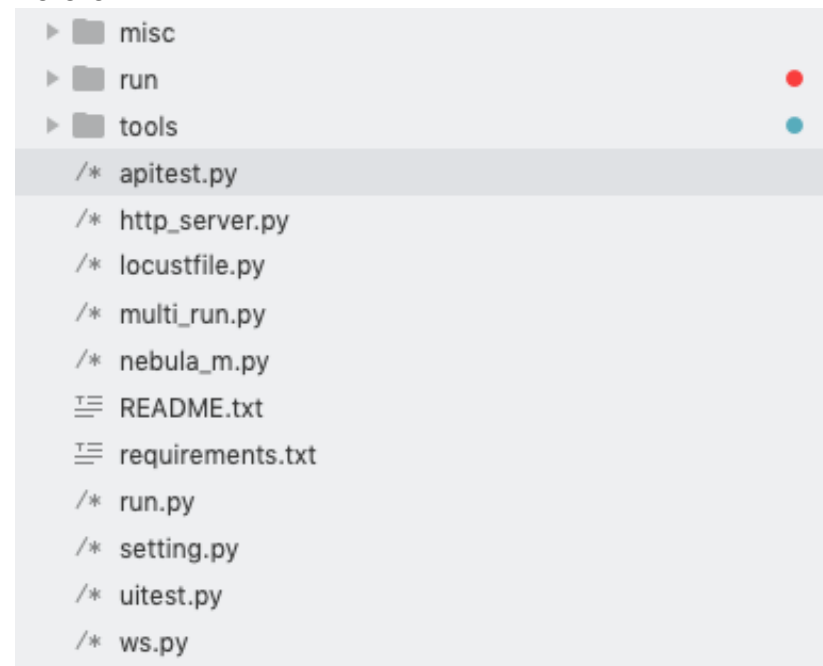
python run.py -i 69 -s param -e 101 -r 10

文件臃肿, 结构不清晰

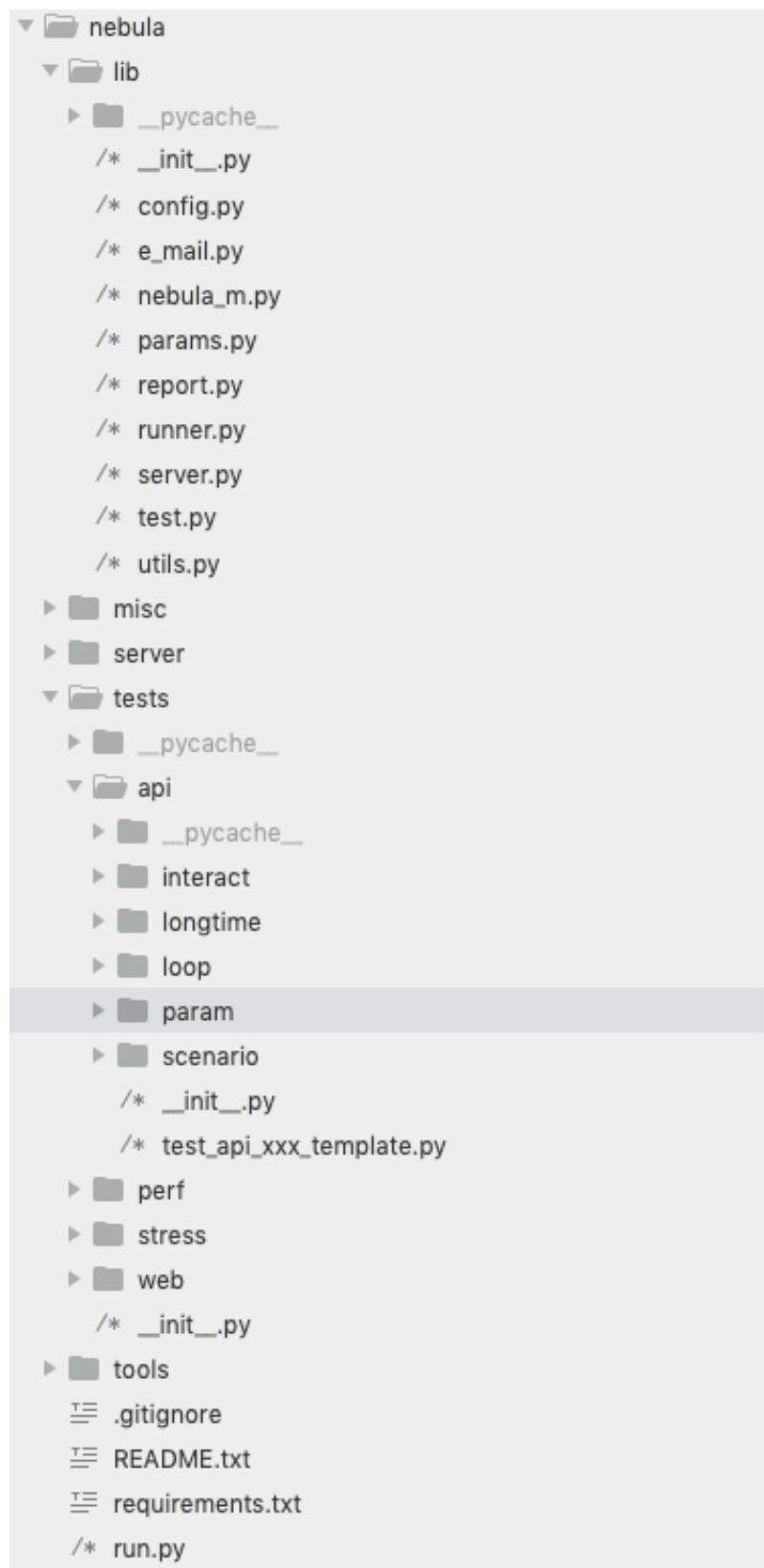
nebula\_m.py -> lib/xxxx

TestCase-> tests/xxxx/xxxx.py

## Before

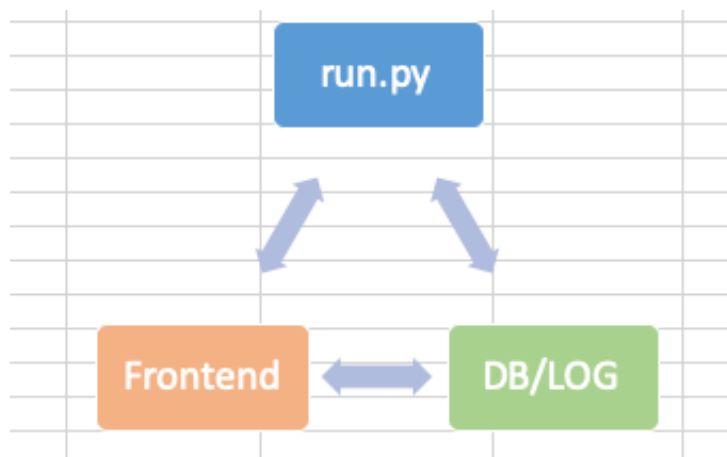


## After



**report/result** 不直观

DB + frontend → ES



开发或测试机										
run.py	→	参数 logdb_enabled Config.py: db IP logging handler -> remote system	→	test::run()	记录测试统计到 6.9数据库					
<div><div></div><div></div><div></div><div>...</div></div>										
⋮										
10.5.6.9	Postgresql									
DB 表										
run	ID	test_node	nebula_m	start_time	stop_time	status	logs	request	error	action
	1	xinming_PC	10.5.2.82							
testcase	ID	name	start_time	stop_time	status	backtrace	input/output		Ref: runid	
							1			
statistics	ID	msg_id	count	Ref: runid						
				1						
⋮ ⋮										
Frontend										
	展示测试结果 选择测试运行									

run.py

- lib/
  - config
  - nebula-m
  - server
- tests
  - api
  - web
  - tools

Todo

- 前端展示, 管理
- 准确率
- SDK测试
  - SWIG: Python .etc
  - gtest c++