1. 车辆回调增加一个项目id， 通过deviceid获取
2. 车辆图片
   1. 获取dataId
   2. 请求好望云
   3. 获取url
   4. 获取base64
   5. 上传图片到服务器
   6. 保存字段
3. Warn表增加一个字段，getPageList
   1. Save alarmClassification
   2. 通过alarmClassification获取list

http://139.159.204.36/

账号：administrator 密码：9864099zZ

{

"message\_id":1614936351275468803,

"message\_type":"vehicle\_data",

"data":

{

"device\_id": "2198061243WLL3000238",

"channel\_id": "1",

"data\_id": "51987b85d15046109719f1c2d6a330ef",

"plate\_char": "ABC100",

"plate\_color": 0,

"vehicle\_type": 1，

"vehicle\_color": 1,

"car\_pre\_brand": 46，

"car\_sub\_brand": 1174，

"car\_year\_brand":"2017, 2018"，

"vehicle\_pos": {

"x\_cor": 111,

"y\_cor": 111,

"widht": 111,

"height": 111

}

},

"test":false

}

车辆识别参数：

{

"message\_id":1614936351275468803,

"message\_type":"vehicle\_data",

"data":{

"device\_id":"2198061255WLLA000510",

"channel\_id":"1",

"data\_id":"221f10adb52f45ea91c69492f6c63b43",

"plate\_char":"ABC100",

"plate\_color":0,

"vehicle\_type":1,

"vehicle\_color":1,"car\_pre\_brand":46,"car\_sub\_brand":1174,"car\_year\_brand":"2017, 2018","vehicle\_pos":{"x\_cor":111,"y\_cor":111,"widht":111,"height":111}},"test":false}

{

failed\_num=0,

data=[

{

data\_id=221f10adb52f45ea91c69492f6c63b43,

urls=[

{

type=VEHICLE, url=https://c6ddffb8f04945e9a4b9d4020a9c0527.apic.cn-north-4.huaweicloudapis.com/v1/holo/221f10adb52f45ea91c69492f6c63b43..jpg?secret=NW0meo9m05onxCk2w&type=4&expire=1620699803&extend=0

}],

result={code=IVM.0, msg=success}}

]

}

1. 修改数据库字段
2. 增加云端算法枚举类 算法名称（index）
3. 增加算法名称常量
4. 修改新增
5. 修改查询

{"equipmentId":1680,"info":{"appearCnt":0,"gender":"male","alarmTime":1621332962000,"groupId":4,"messageId":"1621332962922867102","channelType":"video\_input","faceId":"-1","classification":"FACE","deviceId":"2198061243WLL5000209","equipmentId":1680,"imgUrl":"/face\_alarm/2198061243WLL5000209\_6\_face\_alarm\_20210518181602\_61.jpeg","alarmStatus":"pulse","alarmType":"face\_alarm","messageType":"device\_alarm","faceAlarmType":"陌生人","alarmUuid":"2198061243WLL5000209\_6\_face\_alarm\_20210518181602\_61","similarity":0,"organization":"陌生人","name":"","channelName":"展厅6","equipmentName":"展厅6","projectId":35,"age":20,"channelId":"6"}}

Device:

{"message\_id":1623830097848221850,"message\_type":"device\_alarm","data":{"device\_id":"2198061255WLLA000510","device\_name":"NVR800-64","channel\_type":"video\_input","channel\_id":"0","channel\_name":"1号门人员出入口","classification":"ALARM","alarm\_type":"motion\_detection","alarm\_status":"start","alarm\_time":"2021-06-16T15:54:57+08:00","alarm\_uuid":"2198061255WLLA000510\_0\_motion\_detection\_20210616155457\_252"},"test":false}

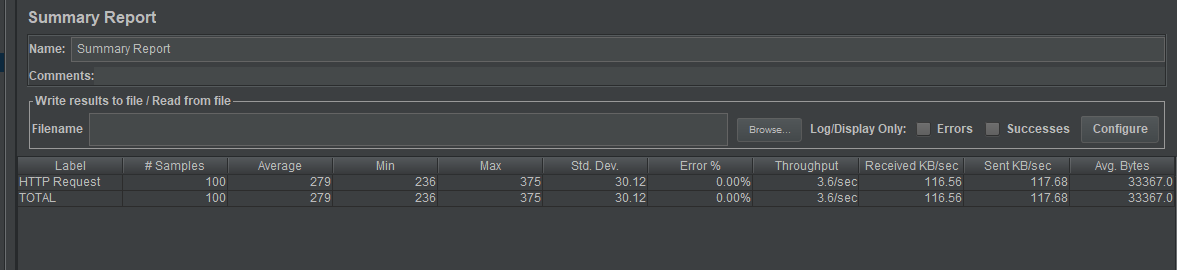
Face\_data:

{"message\_id":1621492827117089549,"message\_type":"face\_data","data":{"channel\_id":"4","data\_id":"9eb8e574bc7f472b9ede35eefbd81e3c","device\_id":"2198061243WLL5000209","face\_id":1318,"face\_pos":{"height":388,"width":156,"x\_cor":4625,"y\_cor":2444},"global\_obj\_id":6963204334091765000,"report\_time":"2021-05-20T16:39:02+08:00"},"test":false}

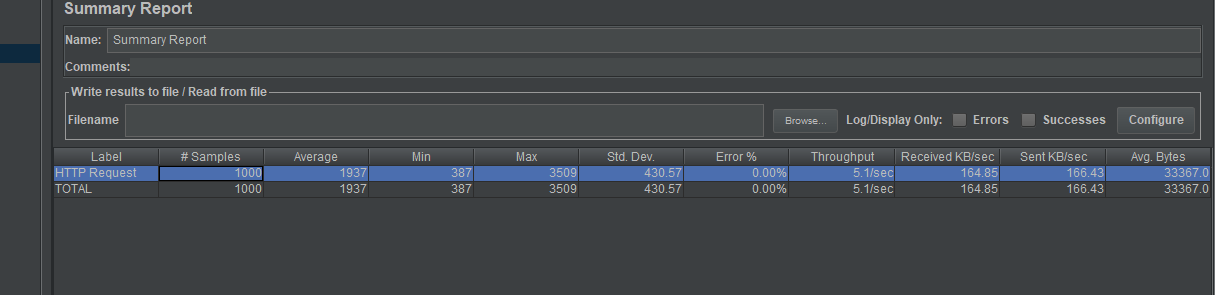
{"message\_id":1622459890043908487,"message\_type":"face\_data","data":{"age":24,"channel\_id":"1","data\_id":"9ef0ba103b584a4a8a7e2f8df291c072","device\_id":"2198061243WLL5000209","face\_expression":"normal","face\_id":593,"face\_pos":{"height":375,"width":218,"x\_cor":4296,"y\_cor":3277},"gender":"male","glasses":"false","global\_obj\_id":6968468426398369000,"hair":"short","hat":"false","mouth\_mask":"false","report\_time":"2021-05-31T19:18:09+08:00"},"test":false}

{"image":"","code":1124024320,"data":[{"clsIdx":0,"x1":9.620651245117188,"y1":0.9768142700195312,"w":103.48088073730469,"h":72.91603088378906,"score":0.811170756816864}],"message":""}

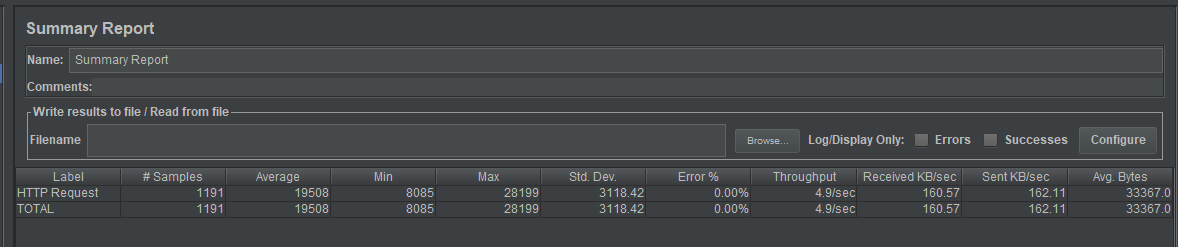
1个线程 请求100次 平均响应时长200ms



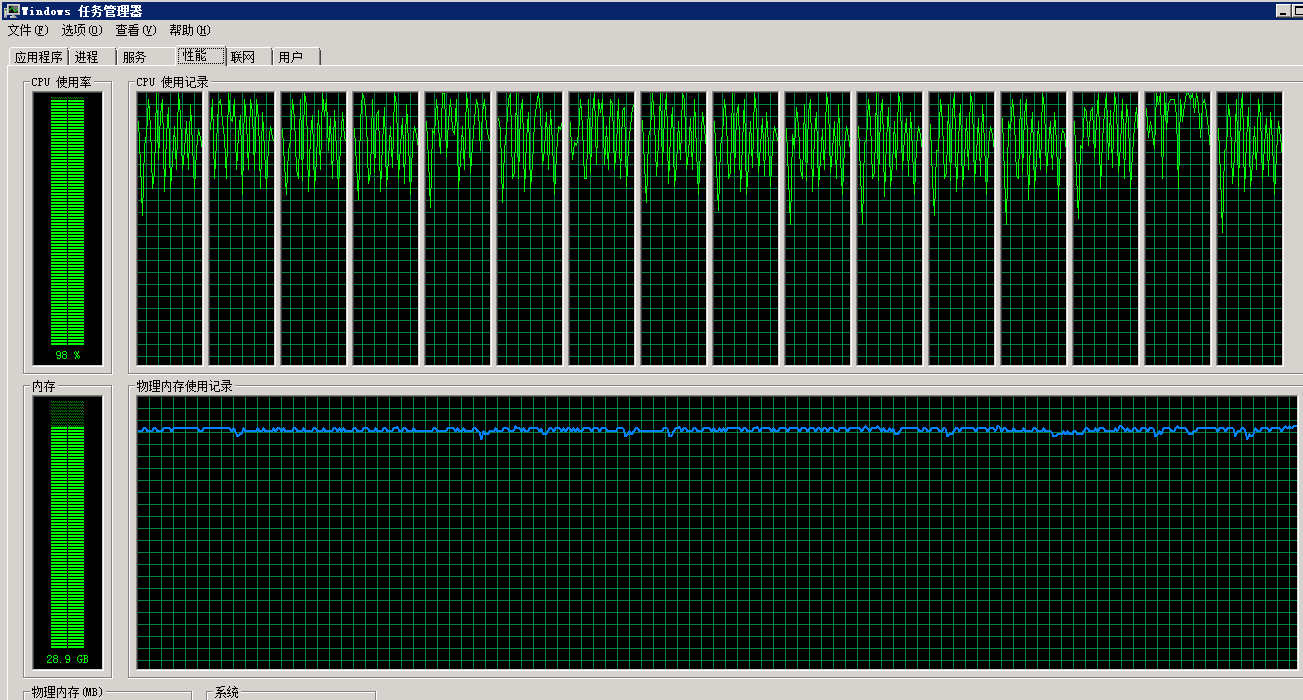
10个线程每个请求100次 平均响应时长2s



100个线程请求100次（没结束） 平均响应时长20s



Cpu直接拉满



可以看出工艺工帽算法是单线程处理，平均处理一个时间为200ms，当项目多请求多的时候就会处理不过来，例如100个线程请求，响应时间就为20s，建议多线程处理，部署到一个多核cpu的服务器

需求1：识别车辆会有车牌和设备id，根据车牌和项目id（设备id查询到的项目id）来查车牌白名单数据表，查到则开闸+语言播报，查不到：//todo

需求2：设置设备算法为车辆识别算法时，传入一个车闸序列号，然后把设备id和车闸序列号存入数据库

车辆识别回调参数:

{

"AlarmInfoPlate":

{

"channel":0,

"deviceName":"IVS",

"ipaddr":"192.168.1.100",

"result":{

"PlateResult":{

"bright":0,

"carBright":0,

"carColor":0,

"colorType":0,

"colorValue":0,

"confidence":0,

"direction":0,

"gioouts":[],

"isoffline":0,

"license":"Test",

"location":{

"RECT":{

"bottom":0,

"left":0,

"right":0,

"top":0

}

},

"plateid":0,

"timeStamp":{

"Timeval":{

"decday":1,

"dechour":0,

"decmin":0,

"decmon":1,

"decsec":0,

"decyear":1970,

"sec":0,

"usec":0

}

},

"timeUsed":0,

"triggerType":0,

"type":0

}

},

"serialno":"89fc64a0-70bc02ff",

"user\_data":""

}

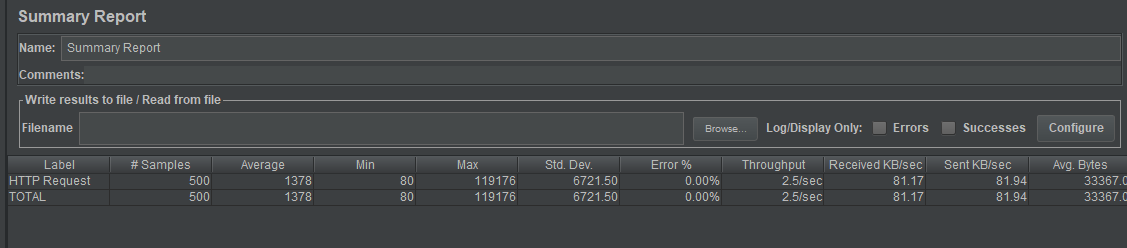
}

{"AlarmInfoPlate":{"channel":0,"deviceName":"IVS","ipaddr":"192.168.1.100","result":{"PlateResult":{"bright":0,"carBright":0,"carColor":255,"colorType":1,"colorValue":0,"confidence":98,"direction":4,"gioouts":[],"isoffline":0,"license":"贵B55555","location":{"RECT":{"bottom":884,"left":800,"right":1160,"top":736}},"plateid":17,"timeStamp":{"Timeval":{"decday":3,"dechour":17,"decmin":39,"decmon":6,"decsec":11,"decyear":2021,"sec":1622713151,"usec":422629}},"timeUsed":0,"triggerType":8,"type":1}},"serialno":"89fc64a0-70bc02ff","user\_data":""}}

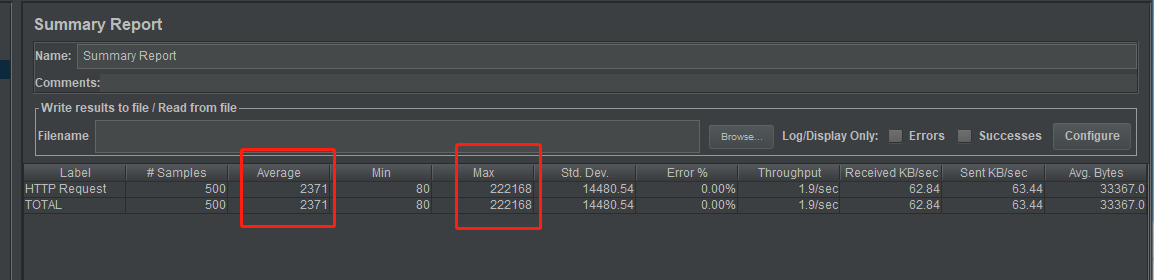
{ "data": { "lastSevenDaysChart": { "data": [ { "data": [ 3290, 936, 4289, 6302, 1074, 1426, 542 ], "name": "总计", "type": "line" }, { "data": [ 0, 0, 0, 0, 0, 0, 0 ], "name": "io事件", "type": "line" }, { "data": [ 286, 131, 731, 765, 309, 339, 115 ], "name": "区域入侵预警", "type": "line" }, { "data": [ 0, 0, 0, 0, 0, 0, 0 ], "name": "区域离开预警", "type": "line" }, { "data": [ 120, 84, 312, 271, 223, 273, 92 ], "name": "区域进入预警", "type": "line" }, { "data": [ 151, 40, 166, 242, 12, 25, 9 ], "name": "工帽预警", "type": "line" }, { "data": [ 871, 164, 791, 955, 65, 216, 87 ], "name": "工衣预警", "type": "line" }, { "data": [ 0, 0, 0, 20, 0, 0, 0 ], "name": "徘徊检测预警", "type": "line" }, { "data": [ 0, 0, 0, 0, 0, 0, 0 ], "name": "快速移动预警", "type": "line" }, { "data": [ 0, 0, 0, 2170, 0, 0, 0 ], "name": "火焰预警", "type": "line" }, { "data": [ 0, 0, 0, 0, 0, 0, 0 ], "name": "过线预警", "type": "line" }, { "data": [ 0, 0, 0, 0, 0, 0, 0 ], "name": "运动检测", "type": "line" }, { "data": [ 1842, 517, 2212, 1656, 449, 565, 237 ], "name": "陌生人预警", "type": "line" }, { "data": [ 20, 0, 77, 223, 16, 8, 4 ], "name": "黑名单预警", "type": "line" } ], "days": [ "05-29", "05-30", "05-31", "06-01", "06-02", "06-03", "06-04" ] }, "offLine": 0, "onlineChart": [ { "name": "在线", "value": 7 }, { "name": "离线", "value": 0 } ], "ordinaryCount": 3, "equipmentCount": 11, "treatedChart": [ { "name": "未处理预警", "value": 118735 }, { "name": "已处理预警", "value": 29 } ], "warningCountChart": [ { "name": "区域入侵预警", "value": 10281 }, { "name": "区域离开预警", "value": 2366 }, { "name": "区域进入预警", "value": 6164 }, { "name": "工帽预警", "value": 8878 }, { "name": "工衣预警", "value": 18945 }, { "name": "徘徊检测预警", "value": 90 }, { "name": "火焰预警", "value": 2723 }, { "name": "过线预警", "value": 1031 }, { "name": "运动检测", "value": 31015 }, { "name": "陌生人预警", "value": 36775 }, { "name": "黑名单预警", "value": 377 } ], "projectNum": 1, "aiNum": 8, "todayWarningCount": 544, "onLine": 7 }, "code": 200, "message": "成功" }



5线程100次



10线程50次



1. 当有车辆被华为相机识别时，获取当前项目车辆和材料总数，当前车辆车牌号和物资
2. 当添加或删除白名单时，存数据库，然后推送给安卓

jmeter -n -t test.jmx -l test.jtl -e -o report

jmeter -n -t ai\_phone\_50.jmx -l ai\_phone\_50\_1.jtl -e -o ai\_phone\_50\_1

jmeter -n -t ai\_hat\_200.jmx -l ai\_hat\_200\_3.jtl -e -o ai\_hat\_200\_3

10 线程打手机 cpu：稳定在490-540 内存：稳定在30-34

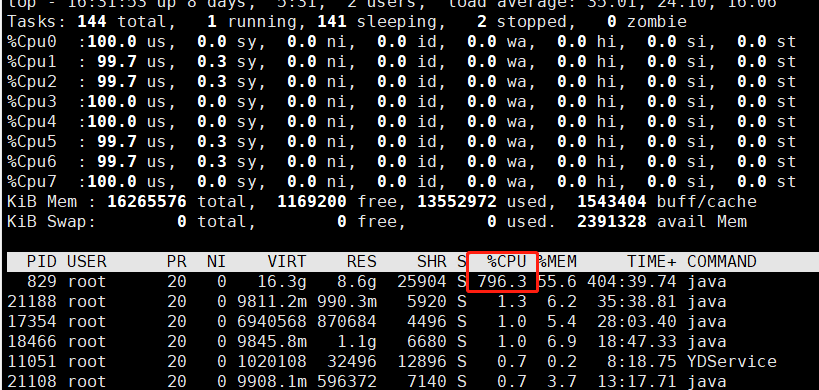
10 线程工帽 cpu：稳定在690-740 内存：稳定在35-40

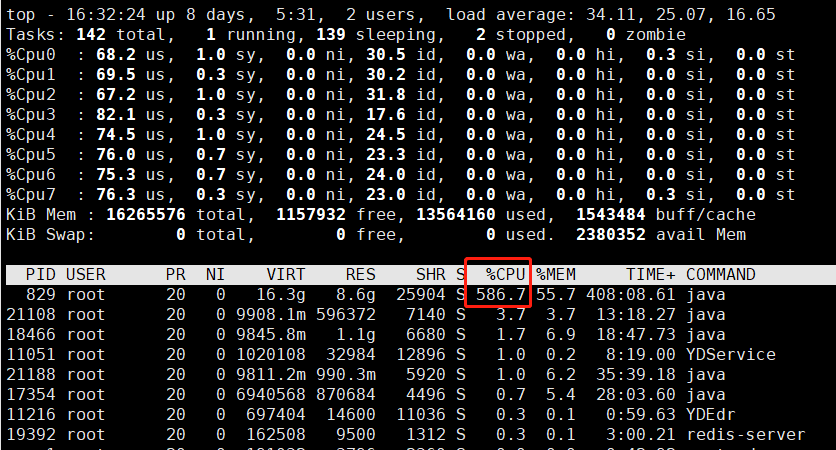
20 线程打手机 cpu：稳定在530-580 内存：稳定在55-57（？？？），这个是后于50 线程工帽测得

20 线程工帽 cpu：稳定在660-760 内存：稳定在40-43

50 线程打手机 cpu：稳定在770左右

50 线程工帽 cpu：一会790多 一会500-700 内存：稳定在55-57





CREATE TABLE car.car\_whitelist(

id integer PRIMARY KEY,

plate varchar(20),

flag int(1)

);

CREATE TABLE car.car\_info(

id integer PRIMARY KEY,

plate\_char varchar(20),

in\_or\_out int(1),

serial\_no varchar(50),

report\_time datetime,

car\_type varchar(10),

car\_material varchar(10),

alarm\_type varchar(10),

plate\_id varchar(50)

);