## alarm

curl 127.0.0.1:6081/history/precise64/cpu.idle

set GOPATH="E:\workspace\open-falcon\test\src"

### @配置集成openbridge系统的用户管理

"api": {

"portal": "http://openbridge.f3322.net:88/monitor",

"uic": "http://openbridge.f3322.net:88/monitor",

"links": "http://link.example.com"

}

https://demo.dev.yihecloud.com/monitor/api/action/45

https://demo.dev.yihecloud.com/monitor/team/users?name=MySQL%E5%91%8A%E8%AD%A6%E7%BB%84

"api": {

"portal": "https://demo.dev.yihecloud.com/monitor",

"uic": "https://demo.dev.yihecloud.com/monitor",

"links": "http://link.example.com"

}

curl -v <https://demo.dev.yihecloud.com/monitor/api/action/45>

curl -v https://demo.dev.yihecloud.com/monitor/team/users?name=%E8%BF%90%E7%BB%B4%E7%BB%84

运维组

### @发送邮件sender配置

"api": {

"portal": "http://openbridge.f3322.net:88/monitor",

"uic": "http://openbridge.f3322.net:88/monitor",

"links": "http://link.example.com"

}

192.168.31.61:8080/monitor/

"api": {

"sms": "http://11.11.11.11:8000/sms",

"mail": "https://demo.dev.yihecloud.com/monitor/email"

}

### 配置使用fe组件默认设置

"api": {

"portal": "http://127.0.0.1:5050",

"uic": "http://127.0.0.1:1234",

"links": "http://link.example.com"

}

### 设置匿名访问(免密码)

security.setAnonymousPaths(**"/portal/\*\*;/docs/\*\*;/auth/\*\*;/metainfo/\*\*;/common/\*\*;/assets/\*\*;"** +  
 **"/login.jsp\*;/index.jsp\*;/logout.jsp\*;/login\*;/mlogin\*;/html/\*\*;/teams/users\*"**);

### 如何配置策略表达式expression

快速入门 | Open-Falcon http://book.open-falcon.org/zh/usage/getting-started.html

如何配置策略表达式

策略表达式，即expression，具体可以参考[HostGroup与Tags设计理念](http://book.open-falcon.org/zh/philosophy/tags-and-hostgroup.html)，这里只是举个例子：



上例中的配置传达出的意思是：falcon-judge这个模块的所有实例，如果qps连续3次大于1000，就报警给falcon这个报警组。

expression无需绑定到HostGroup，enjoy it

### 触发sendEvent事件

<http://openbridge.f3322.net:88/monitor/team/users?name=343>

<http://openbridge.f3322.net:88/monitor/api/action/3>

测试例子

lpush event:p0 "{\"id\":\"s\_1\_6666cd76f96956469e7be39d750cc7d9\",\"strategy\":{\"id\":7,\"metric\":\"cpu.busy\",\"tags\":{},\"func\":\"all(#3)\",\"operator\":\"\\u003e=\",\"rightValue\":90,\"maxStep\":3,\"priority\":0,\"note\":\"\",\"tpl\":{\"id\":7,\"name\":\"cpu.test\",\"parentId\":0,\"actionId\":3,\"creator\":\"liyang\"}},\"expression\":null,\"status\":\"PROBLEM\",\"endpoint\":\"192.168.1.55\",\"leftValue\":1,\"currentStep\":0,\"eventTime\":0,\"pushedTags\":null}"

json

{"id":"s\_1\_6666cd76f96956469e7be39d750cc7d9","strategy":{"id":1,"metric":"cpu.idle","tags":{},"func":"all(#3)","operator":"\u003e=","rightValue":90,"maxStep":3,"priority":0,"note":"","tpl":{"id":0,"name":"","parentId":0,"actionId":0,"creator":""}},"expression":null,"status":"","endpoint":"","leftValue":1,"currentStep":0,"eventTime":0,"pushedTags":null}

Alarm控制台

<Endpoint:192.168.1.55, Status:PROBLEM, Strategy:<Id:7, Metric:cpu.busy, Tags:map[], all(#3)>=1 MaxStep:3, P0, , <Id:7, Name:cpu.test, ParentId:0, ActionId:2, Creator:liyang>>, Expression:<nil>, LeftValue:2, CurrentStep:3, PushedTags:map[], TS:2016-08-09 09:07:00>

Expression sendEvent事件

lpush event:p5

lpush event:p6 \

"{\"id\":\"e\_380\_308b63d6122900e0de1a3feefdd5862a\",\"strategy\":null,\"expression\":{\"id\":380,\"metric\":\"container.cpu.usage.busy\",\"tags\":{\"deploy\_id\":\"71keg5bgmro1geziwaixek449ugf6yh\"},\"func\":\"avg(#3)\",\"operator\":\"\\u003e=\",\"rightValue\":0.01,\"maxStep\":1,\"priority\":6,\"note\":\"\",\"actionId\":339},\"status\":\"PROBLEM\",\"endpoint\":\"192.168.0.187\",\"leftValue\":0.062295168564480606,\"currentStep\":1,\"eventTime\":1477469100,\"pushedTags\":{\"deploy\_id\":\"71keg5bgmro1geziwaixek449ugf6yh\",\"id\":\"d9b8e247ac564d3fd2df175ca175031d22cab62eadb0d20e0dca9c0031d0416a\"}}"

### 触发strategies邮件队列/mail

5) "/mail"

127.0.0.1:6379> lrange /mail 0 -1

1) "{\"tos\":\"reymont@sina.cn,\",\"subject\":\"[P3][PROBLEM][192.168.1.55][][ all(#3) cpu.busy 1\\u003e=90][O0 1970-01-01 08:00:00]\",\"content\":\"PROBLEM\\r\\nP3\\r\\nEndpoint:192.168.1.55\\r\\nMetric:cpu.busy\\r\\nTags:\\r\\nall(#3): 1\\u003e=90\\r\\nNote:\\r\\nMax:3, Current:0\\r\\nTimestamp:1970-01-01 08:00:00\\r\\nhttp://127.0.0.1:5050/template/view/7\\r\\n\"}"

lpush /mail "{\"tos\":\"**1432816213**@qq.com\",\"subject\":\"[P3][PROBLEM][192.168.1.55][][ all(#3) cpu.busy 1\\u003e=90][O0 1971-01-01 08:00:00]\",\"content\":\"PROBLEM\\r\\nP3\\r\\nEndpoint:192.168.1.55\\r\\nMetric:cpu.busy\\r\\nTags:\\r\\nall(#3): 1\\u003e=90\\r\\nNote:\\r\\nMax:3, Current:0\\r\\nTimestamp:1971-01-01 08:00:00\\r\\nhttp://127.0.0.1:5050/template/view/7\\r\\n\"}"

lpush /mail "{\"tos\":\"mzhao@yihecloud.com\",\"subject\":\"[P5][PROBLEM][192.168.1.137][][ avg(#3) container.mem.usage.percent id=6cad56b474c7dd07189ea242738e292224c6af83acb24d1abdca6ba690a6c938 75.77769\\u003e=1][O1 2016-08-26 17:20:00]\",\"content\":\"PROBLEM\\r\\nP5\\r\\nEndpoint:192.168.1.137\\r\\nMetric:container.mem.usage.percent\\r\\nTags:id=6cad56b474c7dd07189ea242738e292224c6af83acb24d1abdca6ba690a6c938\\r\\navg(#3): 75.77769\\u003e=1\\r\\nNote:\\r\\nMax:3, Current:1\\r\\nTimestamp:2016-08-26 17:20:00\\r\\nhttp://openbridge.f3322.net:88/monitor/template/view/83\\r\\n\"}"

### 触发content json邮件队列/mail

expression

lpush /mail "{\"tos\":\"demo@xx.com\",\"subject\":\"[P6][OK] 2 container.cpu.usage.busy\",\"content\":\"{\\\"id\\\":\\\"e\_380\_19c98cc1e86d15cff42b6d052e9c2596\\\",\\\"strategy\\\":null,\\\"expression\\\":{\\\"id\\\":380,\\\"metric\\\":\\\"container.cpu.usage.busy\\\",\\\"tags\\\":{\\\"deploy\_id\\\":\\\"71keg5bgmro1geziwaixek449ugf6yh\\\"},\\\"func\\\":\\\"avg(#3)\\\",\\\"operator\\\":\\\"\\\\u003e=\\\",\\\"rightValue\\\":0.01,\\\"maxStep\\\":1,\\\"priority\\\":6,\\\"note\\\":\\\"\\\",\\\"actionId\\\":339},\\\"status\\\":\\\"OK\\\",\\\"endpoint\\\":\\\"192.168.0.188\\\",\\\"leftValue\\\":0,\\\"currentStep\\\":1,\\\"eventTime\\\":1477459800,\\\"pushedTags\\\":{\\\"deploy\_id\\\":\\\"71keg5bgmro1geziwaixek449ugf6yh\\\",\\\"id\\\":\\\"2b1f9d880bb7f13d57bf75832ec6f757faf4d4d804ec3523b34f797eed3ad71c\\\"}}\\r\\n{\\\"id\\\":\\\"e\_380\_9ccaa27cfea2836d74bd561509bf350c\\\",\\\"strategy\\\":null,\\\"expression\\\":{\\\"id\\\":380,\\\"metric\\\":\\\"container.cpu.usage.busy\\\",\\\"tags\\\":{\\\"deploy\_id\\\":\\\"71keg5bgmro1geziwaixek449ugf6yh\\\"},\\\"func\\\":\\\"avg(#3)\\\",\\\"operator\\\":\\\"\\\\u003e=\\\",\\\"rightValue\\\":0.01,\\\"maxStep\\\":1,\\\"priority\\\":6,\\\"note\\\":\\\"\\\",\\\"actionId\\\":339},\\\"status\\\":\\\"OK\\\",\\\"endpoint\\\":\\\"192.168.0.182\\\",\\\"leftValue\\\":0,\\\"currentStep\\\":1,\\\"eventTime\\\":1477459860,\\\"pushedTags\\\":{\\\"deploy\_id\\\":\\\"71keg5bgmro1geziwaixek449ugf6yh\\\",\\\"id\\\":\\\"1b4101a40492b979f539c320fb5061221f1ac7ddfa5deb4f9e87fdae89cc9349\\\"}}\"}"

strategy

"{\"tos\":\"cavan.wang@xx.com,dengteng@qq.com\",\"subject\":\"[P6][OK][192.168.0.187][][ avg(#3) cpu.busy 2.84338\\u003e=10][O1 2016-10-26 18:17:00]\",\"content\":\"{\\\"id\\\":\\\"s\_3190\_9b016f9c05fc0f5f6cc38973b7484ad1\\\",\\\"strategy\\\":{\\\"id\\\":3190,\\\"metric\\\":\\\"cpu.busy\\\",\\\"tags\\\":{},\\\"func\\\":\\\"avg(#3)\\\",\\\"operator\\\":\\\"\\\\u003e=\\\",\\\"rightValue\\\":10,\\\"maxStep\\\":3,\\\"priority\\\":6,\\\"note\\\":\\\"\\\",\\\"tpl\\\":{\\\"id\\\":83,\\\"name\\\":\\\"\xe9\x83\xa8\xe7\xbd\xb2\xe7\xad\x96\xe7\x95\xa5\\\",\\\"parentId\\\":0,\\\"actionId\\\":47,\\\"creator\\\":\\\"181f1ab4e4a6baac5f9158b265767ebc\\\"}},\\\"expression\\\":null,\\\"status\\\":\\\"OK\\\",\\\"endpoint\\\":\\\"192.168.0.187\\\",\\\"leftValue\\\":2.843383584589622,\\\"currentStep\\\":1,\\\"eventTime\\\":1477477020,\\\"pushedTags\\\":{}}\"}"

### 触发短信队列/sms

127.0.0.1:6379> lrange /sms 0 -1

1) "{\"tos\":\"\",\"content\":\"[P1][PROBLEM][192.168.1.138][][ all(#3) cpu.busy 7.46269\\u003e=2][O1 2016-08-09 17:21:00]\"}"

2) "{\"tos\":\"\",\"content\":\"[P1][PROBLEM][192.168.1.55][][ all(#3) cpu.busy 2.01005\\u003e=2][O3 2016-08-09 17:18:00]\"}"

3) "{\"tos\":\"\",\"content\":\"[P1][OK][192.168.1.138][][ all(#3) cpu.busy 1.50754\\u003e=2][O1 2016-08-09 17:17:00]\"}"

### 触发邮件发送mail-provider

curl -X POST http://127.0.0.1:4000/sender/mail -d "content=test&tos=reymont@sina.cn&subject=test"

#查看详情

curl -v -X POST http://192.168.31.220:8180/monitor/email -d "content=test&tos=reymont@sina.cn&subject=test"

curl -v -X POST http://192.168.31.61:8080/monitor/email -d "content=test&tos=reymont@sina.cn&subject=test"

### 配置tag触发容器报警

container.cpu.usage.busy/id=26eaad2834ff0f593c4b26d54c18f977482d69bc2e3a3077808db5a4fb460b17

id metric tags max\_step priority func op right\_value

21 container.cpu.usage.busy id=26eaad2834ff0f593c4b26d54c18f977482d69bc2e3a3077808db5a4fb460b17 3 0 all(#3) >= 0

### 容器监控项

container.mem.memused.percent 已全部替换为container.mem.usage.percent



### 邮件例子

PROBLEM  
P1  
Endpoint:192.168.1.55  
Metric:cpu.busy  
Tags:  
all(#3): 2.01005>=2  
Note:  
Max:3, Current:1  
Timestamp:2016-08-09 18:02:00  
http://127.0.0.1:5050/template/view/7

4) "{\"tos\":\"liuliu@liuliu.com,liuliu@qq.com,asd@163.com\",\"subject\":\"[P0][PROBLEM][192.168.1.55][][ all(#3) cpu.busy 4.52261\\u003e=2][O1 2016-08-19 14:06:00]\",\"content\":\"PROBLEM\\r\\nP0\\r\\nEndpoint:192.168.1.55\\r\\nMetric:cpu.busy\\r\\nTags:\\r\\nall(#3): 4.52261\\u003e=2\\r\\nNote:\\r\\nMax:3, Current:1\\r\\nTimestamp:2016-08-19 14:06:00\\r\\nhttp://openbridge.f3322.net:88/monitor/template/view/2\\r\\n\"}"

5) "{\"tos\":\"luoan12@qq.com\",\"subject\":\"[P1][OK][192.168.1.55][][ all(#3) cpu.busy 1.50754\\u003e=2][O1 2016-08-19 14:03:00]\",\"content\":\"OK\\r\\nP1\\r\\nEndpoint:192.168.1.55\\r\\nMetric:cpu.busy\\r\\nTags:\\r\\nall(#3): 1.50754\\u003e=2\\r\\nNote:\\r\\nMax:3, Current:1\\r\\nTimestamp:2016-08-19 14:03:00\\r\\nhttp://openbridge.f3322.net:88/monitor/template/view/7\\r\\n\"}"

6) "{\"tos\":\"asd@163.com,liuliu@liuliu.com,liuliu@qq.com\",\"subject\":\"[P0][OK][192.168.1.55][][ all(#3) cpu.busy 1.50754\\u003e=2][O1 2016-08-19 14:03:00]\",\"content\":\"OK\\r\\nP0\\r\\nEndpoint:192.168.1.55\\r\\nMetric:cpu.busy\\r\\nTags:\\r\\nall(#3): 1.50754\\u003e=2\\r\\nNote:\\r\\nMax:3, Current:1\\r\\nTimestamp:2016-08-19 14:03:00\\r\\nhttp://openbridge.f3322.net:88/monitor/template/view/2\\r\\n\"}"

7) "{\"tos\":\"luoan12@qq.com\",\"subject\":\"[P1][PROBLEM][192.168.1.55][][ all(#3) cpu.busy 2.48756\\u003e=2][O1 2016-08-19 14:02:00]\",\"content\":\"PROBLEM\\r\\nP1\\r\\nEndpoint:192.168.1.55\\r\\nMetric:cpu.busy\\r\\nTags:\\r\\nall(#3): 2.48756\\u003e=2\\r\\nNote:\\r\\nMax:3, Current:1\\r\\nTimestamp:2016-08-19 14:02:00\\r\\nhttp://openbridge.f3322.net:88/monitor/template/view/7\\r\\n\"}"

### @标记清除状态

**function** batch\_solve() {

**var** boxes = $("input[type=checkbox]");

**var** ids = []

**for** (**var** i = 0; i < boxes.length; i++) {

**if** (boxes[i].checked) {

ids.push($(boxes[i]).attr("alarm"))

}

}

$.post("/event/solve", {"ids": ids.join(',,')}, **function**(msg){

**if** (msg=="") {

location.reload();

} **else** {

alert(msg);

}

});

}

**function** solve(id) {

$.post("/event/solve", {"ids": id}, **function**(msg){

**if** (msg=="") {

location.reload();

} **else** {

alert(msg);

}

});

}

### @Go/eventdto.go 状态为OK的将会删除event

E:\workspace\yh\OpenBridge-passos-proxy\open-faclon\src\github.com\open-falcon\alarm\g\eventdto.go

**func** (this \*SafeEvents) Put(event \*model.Event) {

**if** event.Status == "OK" {

        this.Delete(event.Id)

**return**

    }

### http\controller.go Index实现sort.Sort

E:\workspace\yh\OpenBridge-passos-proxy\open-faclon\src\alarm\http\controller.go

// 按照持续时间排序

    beforeOrder := make([]\*g.EventDto, count)

    i := 0

**for** \_, event := **range** events {

        beforeOrder[i] = event

        i++

    }

    sort.Sort(g.OrderedEvents(beforeOrder))

按时间顺序排列

**func** (this OrderedEvents) Less(i, j int) bool {

**return** this[i].Timestamp < this[j].Timestamp

}

### main程序入口

**go** http.Start()

**go** cron.ReadHighEvent()

**go** cron.ReadLowEvent()

**go** cron.CombineSms()

**go** cron.CombineMail()

### api包portal.go

http://192.168.1.55:5050/api/action/1

### api包uic.go

// return phones, emails

ParseTeams -> GetUsers -> UsersOf -> CurlUic

CurlUic获取用户信息

uri := fmt.Sprintf("%s/team/users", g.Config().Api.Uic)

http://192.168.1.55:1234/team/users?name=test

### cron包reader.go

//调用消费队列

ReadHighEvent

consume(event, true)

### cron包consumer.go

// 高优先级的不做报警合并

**if** isHigh {

    consumeHighEvents(event, action)

} **else** {

    consumeLowEvents(event, action)

}

调用api获取user

phones, mails := api.ParseTeams(action.Uic)

### cron包reader.go

2016/08/08 17:43:17 reader.go:73: <Endpoint:192.168.1.138, Status:PROBLEM, Strategy:<Id:7, Metric:cpu.busy, Tags:map[], all(#3)>=1 MaxStep:3, P0, , <Id:7, Name:cpu.test, ParentId:0, ActionId:2, Creator:liyang>>, Expression:<nil>, LeftValue:5.02513, CurrentStep:1, PushedTags:map[], TS:2016-08-08 17:43:00>

2016/08/08 17:43:18 reader.go:72: ======>>>>

2016/08/08 17:43:18 reader.go:73: <Endpoint:192.168.1.55, Status:PROBLEM, Strategy:<Id:7, Metric:cpu.busy, Tags:map[], all(#3)>=1 MaxStep:3, P0, , <Id:7, Name:cpu.test, ParentId:0, ActionId:2, Creator:liyang>>, Expression:<nil>, LeftValue:3.53535, CurrentStep:1, PushedTags:map[], TS:2016-08-08 17:43:00>

### cron\builder.go生成json邮件格式

E:\workspace\yh\OpenBridge-passos-proxy\open-faclon\src\

github.com\open-falcon\alarm\cron\builder.go

BuildCommonMailContent