Wechaty 插件那些事

Gcaufy / May, 30

个人介绍



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背景

2017年,关键字:分享

```
+ $ npm install wechaty ---save
+ $ npm install wechaty-schedule --save
+ ### Step 2: Make a tasks
+ $ vim tasks.json
+ // Task name
+ "task-1": {
+ // Message(s) will be sent in 13:00 everyday
+ // [String|Array], Which room(s) you want to send the message(s). Set empty if you don't need a room.
+ "room": ["My Chating Group1", "My Chating Group2"],
+ // [String|Array], Who you want to send the message(s).
+ // [String|Array], Message(s) you want to send.
+ "content": ["Today is a nice day!", "It's time to have a cup of tea."]
+ // Message(s) will be send in that time
+ "time": "2018/01/01 00:00:00",
+ "room": "",
+ "contact": ["Gcaufy", "Zixia"],
    "content": "Happy New Year"
+ ### Step 3: Make a bot
+ $ vim mybot.js
+ const { Wechaty } = require('wechaty');
+ const WechatySechdule = require('wechaty-schedule');
+ const bot = Wechaty.instance();
+ WechatySechdule(bot, {tasks: './tasks.json'})
+ .on('scan', (url, code) => console.log(`Scan QR Code to login: ${code}\n${url}`))
+ .on('login', user => console.log('User ${user} logined'))
+ .init();
         https://github.com/Gcaufy/wechaty-
         schedule/commit/8d95dfe877c7cb90bccfab7e0705c0016bb168ca
```

背景

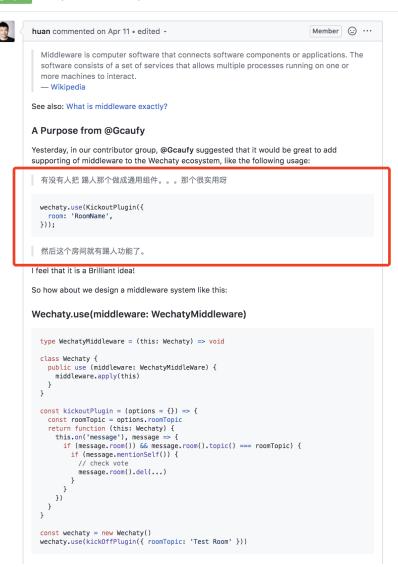
2018年,关键字:北京、饭局

背景

2020年,关键字:投票、踢人

Wechaty Plugin Support with Kickout Example #1939

① Open huan opened this issue on Apr 11 · 9 comments



开发

定义名称: Plugin or MiddleWare

定义规范: Funtional Style or Class Style

定义规则: Mutiple times install / Keep or Forget

定义作用域: Use scope

为什么需要插件

对于开发者: 对于开源项目:

逻辑解藉 构建开发者生态

代码复用

插件开发最佳实践

1. 单一职责原则

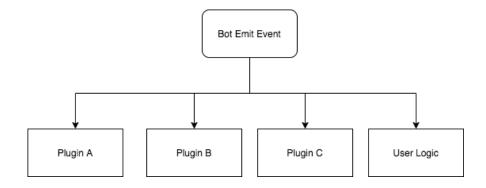
2. 组合原则

参考:

* Unix Philosophy

* KISS

插件的不足



* 平等关系 * 决策能力 * 插件间沟通能力

```
if (m.type() !== bot.Message.Type.Text) {
63
64
              return; // Only deal with the text type message
            }
65
66
67
            const room = m.room();
68
69
            // It's not in a room
            if (!room) {
70
71
              return;
72
73
            const topic = await room.topic();
74
75
            // Check if I can work in this group
            if (typeof config.room === 'function') {
76
77
              let roomCheckRst = false;
              try {
78
                roomCheckRst = config.room(room);
79
80
             } catch(e) {};
              if (isPromise(roomCheckRst)) {
82
                roomCheckRst = await roomCheckRst;
83
              if (!roomCheckRst) {
84
85
                return;
86
            } else if (config.room && config.room.length) {
87
              if (!room.includes(topic)) {
88
89
                return;
90
91
```

中间件

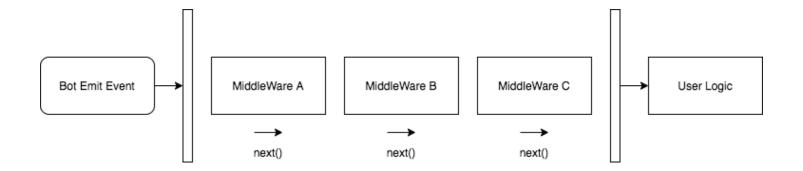
```
var app = express()

app.use(function (req, res, next) {
   console.log('Time:', Date.now())
   next()
})
```

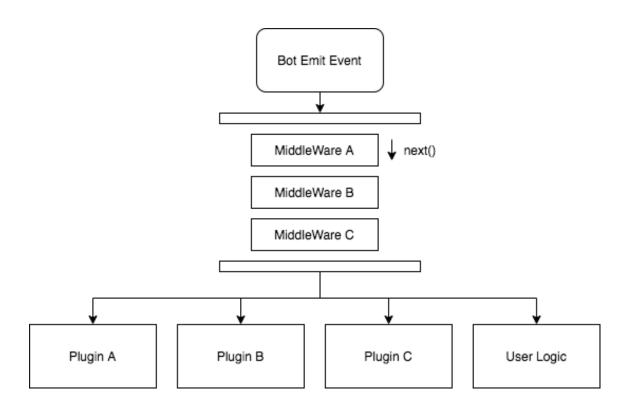
Middleware functions can perform the following tasks:

- Execute any code.
- Make changes to the request and the response objects.
- End the request-response cycle.
- Call the next middleware in the stack.

If the current middleware function does not end the request-response cycle, it must call <code>next()</code> to pass control to the next middleware function. Otherwise, the request will be left hanging.



结合中间件



```
class RoomMiddleWare extends WechatyMiddleWare {
   constructor (options) {
       this.on('message', async (args, next) => {
           const [ message ] = args;
           const room = message.room();
           const topic = await room.topic();
           if (options.rooms.includes(topic)) {
               await next();
      });
const bot = new Wechaty({ /* some options */ });
bot.use(new RoomMiddleWare({ rooms: [ 'Test Group' ] }));
bot.use(voteOut({ /* voteOut options */ }));
bot.on('message', async (message) => {
});
```

Thanks