

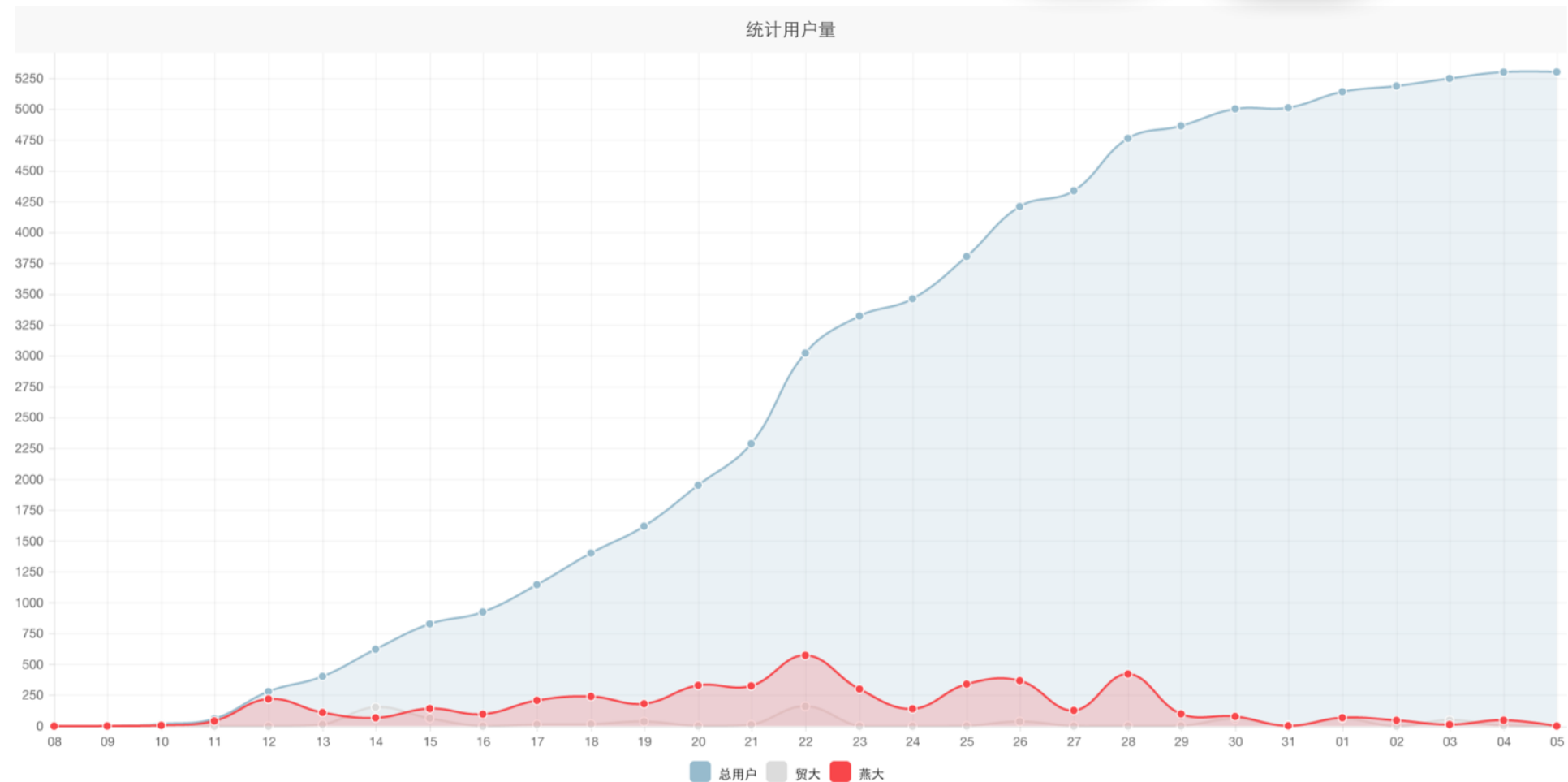


Delivery Service via Wechat with NodeJS

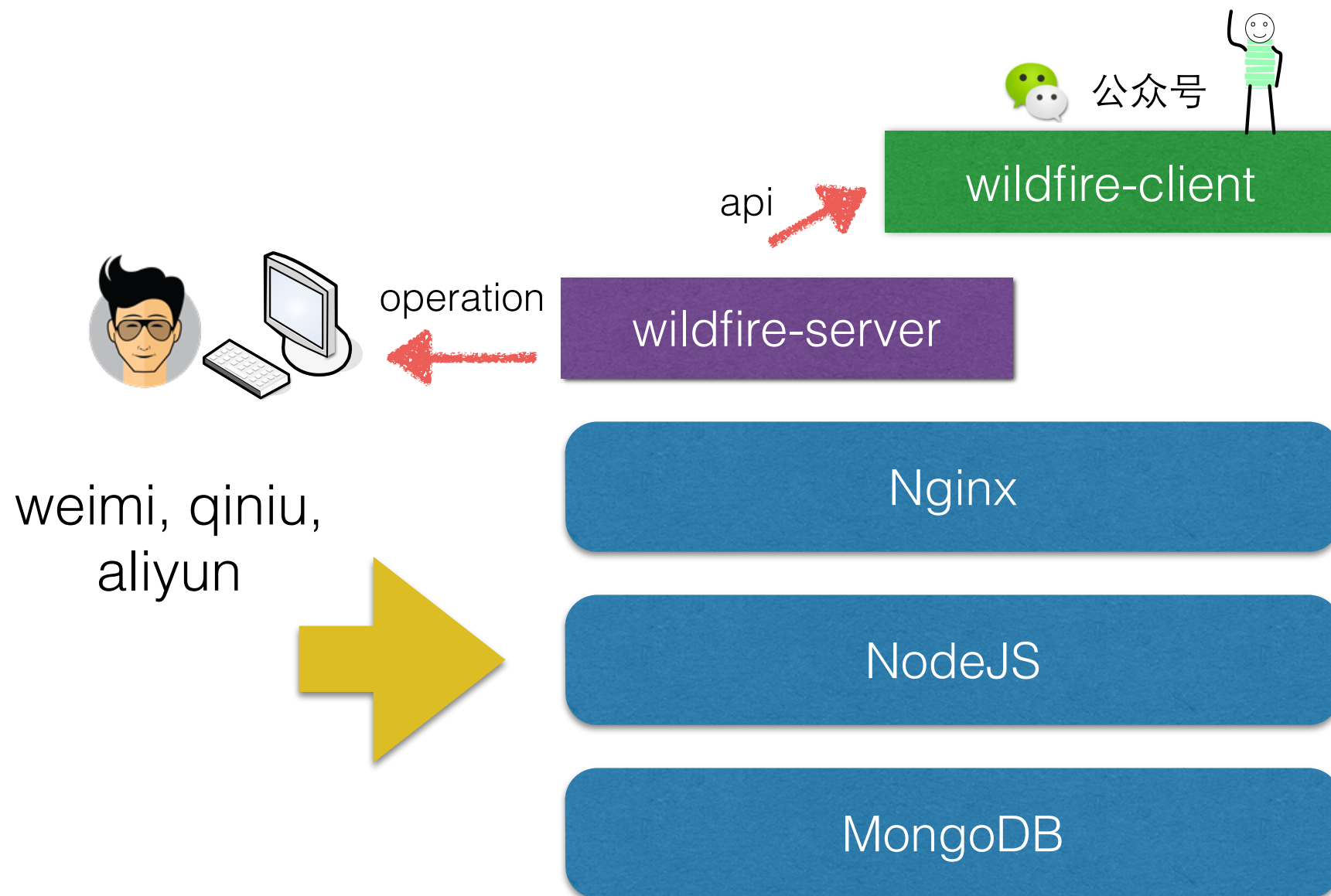
hain@arrkig.com

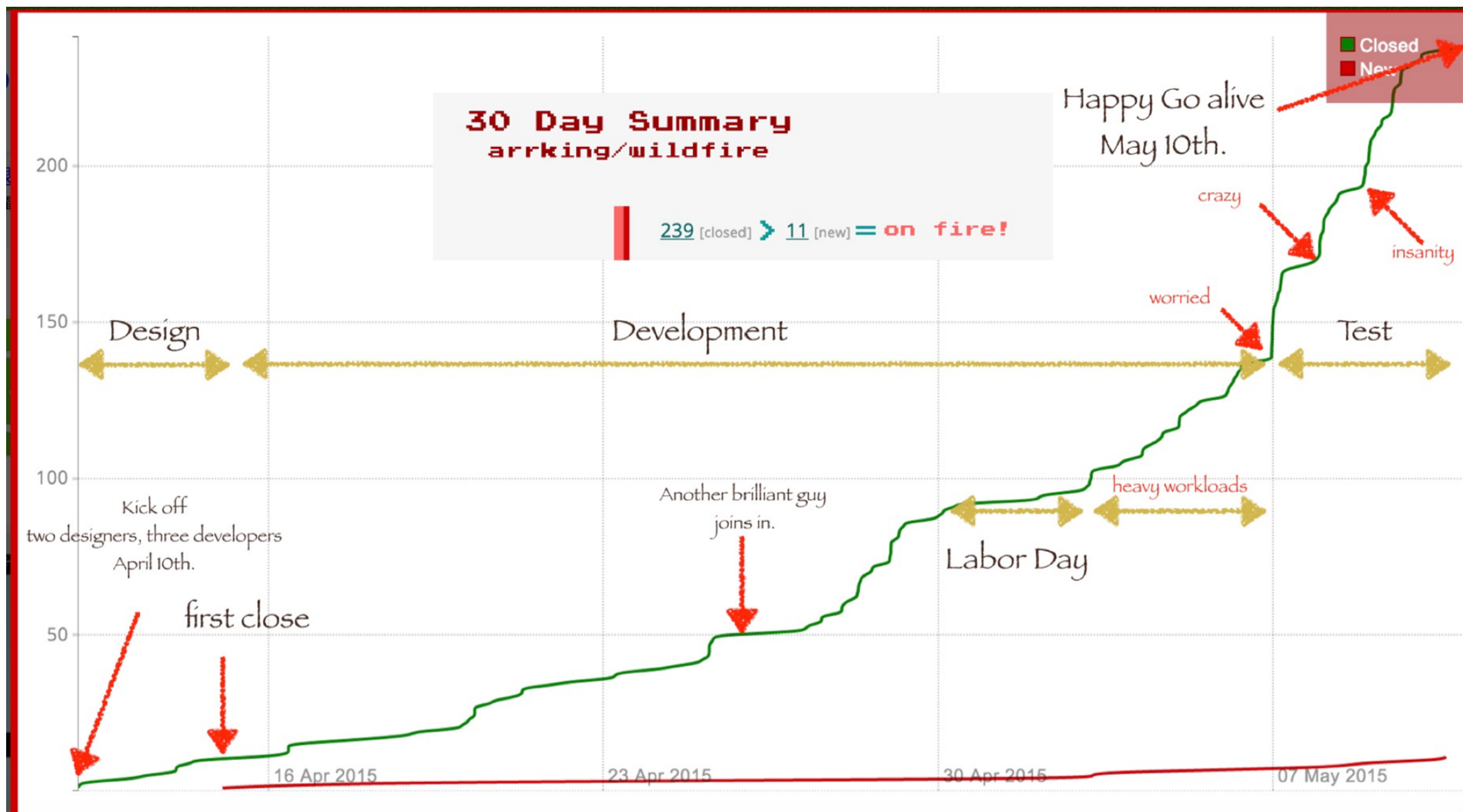
This Small Team

微信公众号：呱呱二手



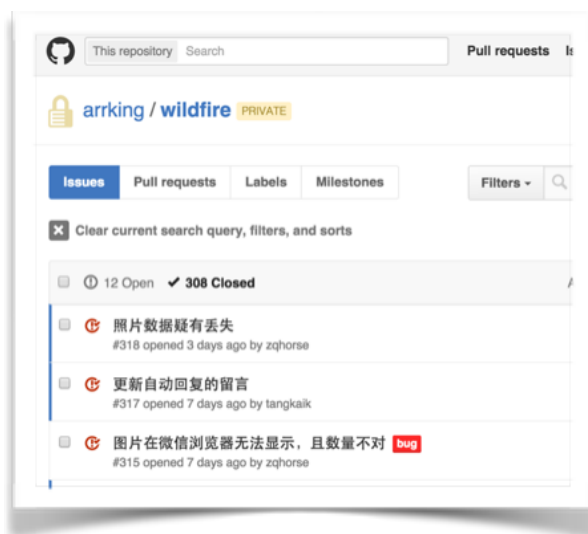
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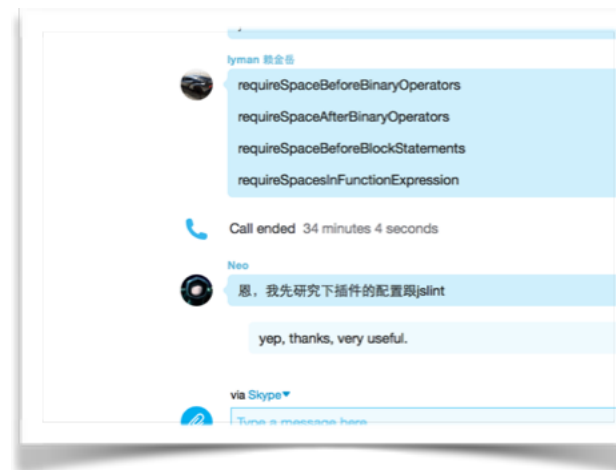


work-style

GitHub



Skype



Jenkins



Slack



Our Practise with NodeJS

Practise 1 Tools

Macbook pro



IDE



Mobile Framework



Backend Skeleton



Human are tool builders.

Practise 2 Promise

```
function _getWxJsapiTicketFromRedis() {  
    var defer = Q.defer();  
    redisq.getWxJsapiTicket()  
        .then(function(jsApiTicket) {  
            logger.debug('getWxJsapiTicketFromRedis', u.format('%s is retrieved from redis.', jsApiTicket));  
            if (logger.isLevelEnabled('DEBUG')) {  
                redisq.getWxJsapiTicketTTL()  
                    .then(function(ttl) {  
                        logger.debug(u.format('jsApiTicket time to live %d seconds.', ttl));  
                    }, function(err) {  
                        logger.error('getWxJsapiTicketFromRedis', err);  
                    })  
            }  
            defer.resolve(jsApiTicket);  
            return;  
        }, function(err) {  
            // no jsApiTicket in redis ?  
            return _getWxAccessTokenFromRedis();  
        })  
        .then(function(accessToken) {  
            if (accessToken) {  
                return _getWxJsapiTicketByAccessToken(accessToken);  
            }  
            return;  
        }, function(err2) {  
            // _getWxAccessTokenFromRedis throw an error  
            logger.error('getWxJsapiTicketFromRedis', err2);  
            defer.reject('_getWxAccessTokenFromRedis fail to resolve accessToken');  
            return;  
        })  
        .then(function(result) {  
            if (result) {  
                // get new jsApiTicket  
                // TODO save into redis  
                // defer.resolve(result.ticket);  
                return redisq.setWxJsapiTicket(result);  
            }  
        }, function(err3) {  
            // _getWxJsapiTicketByAccessToken throw an error  
            logger.error(err3);  
            defer.reject(err3);  
            return;  
        })  
        .then(function(val) {  
            /**  
             * redisq.setWxJsapiTicket(result) fullfiled  
             * @param {string}  
             * @return {}  
             */  
            if (val) {  
                defer.resolve(val);  
            }  
        }, function(err4) {  
            // setWxJsapiTicket throw an error  
            logger.error(err4);  
            defer.reject(err4);  
        })  
        .done();  
  
    return defer.promise;  
}
```

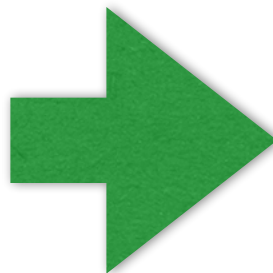
Q



Practise 3 EventEmitter

```
102
103 /**
104  * event management program
105  * Use node event emits to send events out.
106  */
107 function EMPEvent(collection) {
108     this.eventCol = collection;
109 }
110 util.inherits(EMPEvent, require('events').EventEmitter);
111
```

```
_empEvent.emit(event, e);
```



```
// listening all patterns
_empEvent.on('*', function(event) {
    // logger.debug('on', event);
    setImmediate(_handleOnBehalf, event);
});
```

Practise 4 Logging on the fly

log4js + EventEmitter

```
var dynamicLogging = new events.EventEmitter();
exports.getLogger = function(name) {
  var logger = log4js.getLogger(name);
  logger.setLevel(level);
  dynamicLogging.on("levelChange",function(newLevel){
    console.log(u.format("logger %s -- > Level : %s ", name, newLevel));
    logger.setLevel(newLevel);
  });
  return logger;
};
```

Q&A

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