**微信网页版协议分析**

**微信网页版协议分析（1）-登录**

最近研究了微信网页版的实现原理，接下来会通过一系列的文章来总结这次研究的结果，最终会通过PHP代码实现一个简单的微信机器人程序。

**1.获取uuid（get）**

https://login.wx.qq.com/jslogin?appid=wx782c26e4c19acffb&redirect\_uri=https%3A%2F%2Fwx.qq.com%2Fcgi-bin%2Fmmwebwx-bin%2Fwebwxnewloginpage&fun=new&lang=zh\_CN&\_=1476606163580

参数：

appid：固定为wx782c26e4c19acffb

redirect\_rui：https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxnewloginpage经过url编码

fun：固定值new

lang：语言类型，中国zh\_CN

\_：当前的unix时间戳

返回数据格式：

window.QRLogin.code = 200; window.QRLogin.uuid = "gf5Gk61zEA==";

**window.QRLogin.uuid**的值就是我们需要的uuid

**2.获取二维码（get）**

https://login.weixin.qq.com/qrcode/gf5Gk61zEA==

固定格式：https://login.weixin.qq.com/qrcode/ 拼接上第一步的带的uuid

**二维码中实际内容如下地址：**

https://login.weixin.qq.com/l/gf5Gk61zEA==

即：https://login.weixin.qq.com/l/ 加上那个uuid

**3.等待登录扫描（get轮询）：**

https://login.wx.qq.com/cgi-bin/mmwebwx-bin/login?loginicon=true&uuid=gf5Gk61zEA==&tip=0&r=862560455&\_=1476606163582

参数：

loginicon：true

uuid：第一步得到的uuid

tip：0

r：862560455 非必须参数

\_：同上为unix时间戳

返回数据格式：

window.code=**408**;//登录超时code为408

window.code=201;window.userAvatar = 'data:img/jpg;base64';//扫描成功 201，userAvatar为用户头像

window.code=200;//确认登录code 200， 还有下面的redirect\_uri的获取cookie的连接

window.redirect\_uri="https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxnewloginpage?ticket=AYfheMIH6tt9EmcZ0DxCKF4a@qrticket\_0&uuid=YeGrrvqmHQ==&lang=zh\_CN&scan=1476606728";

**4.登录后获取cookie信息（get）：**

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxnewloginpage?ticket=AYfheMIH6tt9EmcZ0DxCKF4a@qrticket\_0&uuid=YeGrrvqmHQ==&lang=zh\_CN&scan=1476606728&fun=new&version=v2&lang=zh\_CN

此连接是上一步确认登录后获取的连接。

返回数据格式（xml，还有登录后设置的cookie数据）：

**<error>**

**<ret>0</ret>**

**<message></message>**

**<skey>@crypt\_14ae1b12\_b73ba2673448154847d7007a2de3c53b</skey>**

**<wxsid>jSsRlGGPyY7U8det</wxsid>**

**<wxuin>566148615</wxuin>**

**<pass\_ticket>kUY4PSgKNy4eOlWI%2FwIBMVULe3KHPVyvDqw1%2B4DVVu9McVvE2d5fL7LFOfa4iYnk</pass\_ticket>**

**<isgrayscale>1</isgrayscale>**

**</error>**

xml中skey、wxsid、wxuin、pass\_ticket重要参数，要在接来的请求中使用，需要记下来，还有返回的cookie信息，在接下来的请求中，都要去携带上才可以。

至此已经登录成功接下来就是调用其他接口来获取信息好友信息、群信息、公众号信息、收发消息等等。后续更新。。。。。

**源代码地址：http://github.com/lbbniu/WebWechat**

**代码仅供个人研究学习参考，不的用于商业，接口归微信所有。**

**微信初始化请求（post）：**

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxinit?r=862039733&lang=zh\_CN&pass\_ticket=kUY4PSgKNy4eOlWI%252FwIBMVULe3KHPVyvDqw1%252B4DVVu9McVvE2d5fL7LFOfa4iYnk

请求头：

Content-Type:application/json;charset=UTF-8

提交数据（json）：

{

"BaseRequest": {

"Uin": "566148615",

"Sid": "jSsRlGGPyY7U8det",

"Skey": "@crypt\_14ae1b12\_b73ba2673448154847d7007a2de3c53b",

"DeviceID": "e119795675188164"

}

}

DeviceID 是e + 随机数

返回数据（json，用户的好友信息）：

{

"BaseResponse": {

"Ret": 0,

"ErrMsg": ""

},

"Count": 11,

"ContactList": [...],

"SyncKey": {

"Count": 4,

"List": [

{

"Key": 1,

"Val": 635705559

},

...

]

},

"User": {

"Uin": xxx,

"UserName": xxx,

"NickName": xxx,

"HeadImgUrl": xxx,

"RemarkName": "",

"PYInitial": "",

"PYQuanPin": "",

"RemarkPYInitial": "",

"RemarkPYQuanPin": "",

"HideInputBarFlag": 0,

"StarFriend": 0,

"Sex": 1,

"Signature": "Apt-get install B",

"AppAccountFlag": 0,

"VerifyFlag": 0,

"ContactFlag": 0,

"WebWxPluginSwitch": 0,

"HeadImgFlag": 1,

"SnsFlag": 17

},

"ChatSet": "xxx",

"SKey": "@crypt\_14ae1b12\_f59314a579c67b15f838d09feb79c17f",

"ClientVersion": 369302288,

"SystemTime": 1476608977,

"GrayScale": 1,

"InviteStartCount": 40,

"MPSubscribeMsgCount": 7,

"ClickReportInterval": 600000

}

**webwxstatreport(post,登录前和登录后都有请求暂时不管):**

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxstatreport?fun=new&lang=zh\_CN

请求头：

Content-Type:application/json;charset=UTF-8

**webwxstatusnotify请求可能是在手机上显示提示信息（post,通知消息已读去）：**

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxstatusnotify?pass\_ticket=ZDJfLCa0EAKrLn2CdD7MDl%252B54GwlW0IEiwYOsm6II%252F8W57y0pF1F8fqS%252B5z4INU5

请求头：

Content-Type:application/json;charset=UTF-8

提交数据（json）：

{

"BaseRequest": {

"Uin": 566148615,

"Sid": "EKjoZCMRIvrY7NIP",

"Skey": "@crypt\_14ae1b12\_f59314a579c67b15f838d09feb79c17f",

"DeviceID": "e098855372553243"

},

"Code": 3,

"FromUserName": 自己ID,

"ToUserName": 自己ID,

"ClientMsgId": 时间戳

}

返回数据（json）：

{

"BaseResponse": {

"Ret": 0,

" ErrMsg": ""

},

"MsgID": "1525762281689643050"

}

获取联系人信息列表（get）：

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxgetcontact?pass\_ticket=ZDJfLCa0EAKrLn2CdD7MDl%252B54GwlW0IEiwYOsm6II%252F8W57y0pF1F8fqS%252B5z4INU5&r=1476608979549&seq=0&skey=@crypt\_14ae1b12\_f59314a579c67b15f838d09feb79c17f

返回数据（json）：

{

"BaseResponse": {

"Ret": 0,

"ErrMsg": ""

},

"MemberCount": 637,

"MemberList": [

{

"Uin": 0,

"UserName": xxx,

"NickName": "Urinx",

"HeadImgUrl": xxx,

"ContactFlag": 3,

"MemberCount": 0,

"MemberList": [],

"RemarkName": "",

"HideInputBarFlag": 0,

"Sex": 0,

"Signature": "你好，我们是地球三体组织。在这里，你将感受到不一样的思维模式，以及颠覆常规的世界观。而我们的目标，就是以三体人的智慧，引领人类未来科学技术500年。",

"VerifyFlag": 8,

"OwnerUin": 0,

"PYInitial": "URINX",

"PYQuanPin": "Urinx",

"RemarkPYInitial": "",

"RemarkPYQuanPin": "",

"StarFriend": 0,

"AppAccountFlag": 0,

"Statues": 0,

"AttrStatus": 0,

"Province": "",

"City": "",

"Alias": "Urinxs",

"SnsFlag": 0,

"UniFriend": 0,

"DisplayName": "",

"ChatRoomId": 0,

"KeyWord": "gh\_",

"EncryChatRoomId": ""

}

],

"Seq": 0

}

**webwxbatchgetcontact请求，更改什么状态？标记已读？（post）：**

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxbatchgetcontact?type=ex&r=1476608979648&pass\_ticket=ZDJfLCa0EAKrLn2CdD7MDl%252B54GwlW0IEiwYOsm6II%252F8W57y0pF1F8fqS%252B5z4INU5

请求头：  
Content-Type:application/json;charset=UTF-8

提交数据（json）：

{

"BaseRequest": {

"Uin": 566148615,

"Sid": "EKjoZCMRIvrY7NIP",

"Skey": "@crypt\_14ae1b12\_f59314a579c67b15f838d09feb79c17f",

"DeviceID": "e316575061818116"

},

"Count": 7,

"List": [

{

"UserName": "@@e2da072e5beda58413f788fd2978b6f9fbde2ba337a71f02e1458958fcdb8371",

"ChatRoomId": ""

}…

]

}

返回数据（json）：

{

"BaseResponse": {

"Ret": 0,

"ErrMsg": ""

},

"Count": 7,

"ContactList": [

]

}

**同步刷新（get轮询）：**

https://webpush.wx.qq.com/cgi-bin/mmwebwx-bin/synccheck?r=1476611147442&skey=%40crypt\_14ae1b12\_f59314a579c67b15f838d09feb79c17f&sid=EKjoZCMRIvrY7NIP&uin=566148615&deviceid=e673682280871456&synckey=1\_643606091%7C2\_643606203%7C3\_643606171%7C11\_643605834%7C13\_643590001%7C201\_1476611120%7C1000\_1476610779%7C1001\_1476590971%7C1004\_1475896795&\_=1476611120940

返回数据：

window.synccheck={retcode:"0",selector:"2"}

retcode:

0 正常

1100 失败/登出微信

selector:

0 正常

2 新的消息

4 （通过时发现）

6 （删除时发现，对方通过好友验证）

7 进入/离开聊天界面 （可能没有了）

**获取消息（post，cookie）：**

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxsync?sid=2qui+CC4YTiiI2zk&skey=@crypt\_14ae1b12\_1bb5e370393b8cd502919825fe9dbfc0&lang=zh\_CN&pass\_ticket=tM909DkHH8fXLR7hhwIgn9MqmSuCxx6%252BcdaA9qE203zxP7fMT%252FtxPlY7opbnnVE2

请求头：

Content-Type:application/json;charset=UTF-8

提交数据（json）：

{"BaseRequest":{"Uin":566148615,"Sid":"2qui+CC4YTiiI2zk","Skey":"@crypt\_14ae1b12\_1bb5e370393b8cd502919825fe9dbfc0","DeviceID":"e151332185497293"},"SyncKey":{"Count":9,"List":[{"Key":1,"Val":643606091},{"Key":2,"Val":643606236},{"Key":3,"Val":643606171},{"Key":11,"Val":643606232},{"Key":13,"Val":643590001},{"Key":203,"Val":1476612126},{"Key":1000,"Val":1476610779},{"Key":1001,"Val":1476590971},{"Key":1004,"Val":1475896795}]},"rr":856481324}

返回数据（json）：

{

"BaseResponse": {

"Ret": 0,

"ErrMsg": ""

},

"AddMsgCount": 1,

"AddMsgList": [

{

"MsgId": "8410419333108271670",

"FromUserName": "@595d9f44c64e2f480baa0d6430ca58ef053a768daa6d7b3fcc4bece244bcbce3",

"ToUserName": "@e5403f77c2193da671790c1a242d0b43ac6f570e5047993ef745d13d6376b57b",

"MsgType": 51,

"Content": "&lt;msg&gt;<br/>&lt;op id='5'&gt;<br/>&lt;username&gt;wxid\_e602if1itlm821&lt;/username&gt;<br/>&lt;/op&gt;<br/>&lt;/msg&gt;",

"Status": 3,

"ImgStatus": 1,

"CreateTime": 1476612570,

"VoiceLength": 0,

"PlayLength": 0,

"FileName": "",

"FileSize": "",

"MediaId": "",

"Url": "",

"AppMsgType": 0,

"StatusNotifyCode": 5,

"StatusNotifyUserName": "@e5403f77c2193da671790c1a242d0b43ac6f570e5047993ef745d13d6376b57b",

"RecommendInfo": {

"UserName": "",

"NickName": "",

"QQNum": 0,

"Province": "",

"City": "",

"Content": "",

"Signature": "",

"Alias": "",

"Scene": 0,

"VerifyFlag": 0,

"AttrStatus": 0,

"Sex": 0,

"Ticket": "",

"OpCode": 0

},

"ForwardFlag": 0,

"AppInfo": {

"AppID": "",

"Type": 0

},

"HasProductId": 0,

"Ticket": "",

"ImgHeight": 0,

"ImgWidth": 0,

"SubMsgType": 0,

"NewMsgId": 8410419333108272000

}

],

"ModContactCount": 0,

"ModContactList": [],

"DelContactCount": 0,

"DelContactList": [],

"ModChatRoomMemberCount": 0,

"ModChatRoomMemberList": [],

"Profile": {

"BitFlag": 0,

"UserName": {

"Buff": ""

},

"NickName": {

"Buff": ""

},

"BindUin": 0,

"BindEmail": {

"Buff": ""

},

"BindMobile": {

"Buff": ""

},

"Status": 0,

"Sex": 0,

"PersonalCard": 0,

"Alias": "",

"HeadImgUpdateFlag": 0,

"HeadImgUrl": "",

"Signature": ""

},

"ContinueFlag": 0,

"SyncKey": {

"Count": 10,

"List": [

{

"Key": 1,

"Val": 643606091

}

]

},

"SKey": "",

"SyncCheckKey": {

"Count": 10,

"List": [

{

"Key": 1,

"Val": 643606091

}

]

}

}

**创建群聊（post）：**

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxcreatechatroom?r=1476618448303&lang=zh\_CN

请求头：

Content-Type:application/json;charset=UTF-8

提交数据（json）：

**{**

**"MemberCount": 2,**

**"MemberList": [**

**{**

**"UserName": "@aa357b7fc1ccb2e77a2632a6251fb6de2c5dd1c0ec503f04b25cfd34c256956a"**

**},**

**{**

**"UserName": "@9d4a8cf7ac98543bb46df4ab93d135a9"**

**}**

**],**

**"Topic": "",**

**"BaseRequest": {**

**"Uin": 566148615,**

**"Sid": "2qui+CC4YTiiI2zk",**

**"Skey": "@crypt\_14ae1b12\_1bb5e370393b8cd502919825fe9dbfc0",**

**"DeviceID": "e501299430782177"**

**}**

**}**

返回数据（json）：

**{**

**"BaseResponse": {**

**"Ret": 0,**

**"ErrMsg": "Everything is OK"**

**},**

**"Topic": "",**

**"PYInitial": "",**

**"QuanPin": "",**

**"MemberCount": 2,**

**"MemberList": [],**

**"ChatRoomName": "@@26c70e52a125f49bcc251e192a360d8612037507070c6295419ea422b7cc9a71",**

**"BlackList": ""**

**}**

【

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxbatchgetcontact?type=ex&r=1476618449020&lang=zh\_CN

**{**

**"BaseRequest": {**

**"Uin": 566148615,**

**"Sid": "2qui+CC4YTiiI2zk",**

**"Skey": "@crypt\_14ae1b12\_1bb5e370393b8cd502919825fe9dbfc0",**

**"DeviceID": "e161797078601446"**

**},**

**"Count": 1,**

**"List": [**

**{**

**"UserName": "@@26c70e52a125f49bcc251e192a360d8612037507070c6295419ea422b7cc9a71",**

**"ChatRoomId": ""**

**}**

**]**

**}**

-----------------------------

**{**

"BaseResponse": **{**

"Ret": **0**,

"ErrMsg": ""

**}**,

"Count": **1**,

"ContactList": **[**

**{**

"Uin": **0**,

"UserName": "@@26c70e52a125f49bcc251e192a360d8612037507070c6295419ea422b7cc9a71",

"NickName": "",

"HeadImgUrl": "/cgi-bin/mmwebwx-bin/webwxgetheadimg?seq=0&username=@@26c70e52a125f49bcc251e192a360d8612037507070c6295419ea422b7cc9a71&skey=",

"ContactFlag": **0**,

"MemberCount": **3**,

"MemberList": **[**

**{**

"Uin": **0**,

"UserName": "@595d9f44c64e2f480baa0d6430ca58ef053a768daa6d7b3fcc4bece244bcbce3",

"NickName": "LbbNiu",

"AttrStatus": **4305791**,

"PYInitial": "",

"PYQuanPin": "",

"RemarkPYInitial": "",

"RemarkPYQuanPin": "",

"MemberStatus": **0**,

"DisplayName": "",

"KeyWord": "liu"

**}]**,

"RemarkName": "",

"HideInputBarFlag": **0**,

"Sex": **0**,

"Signature": "",

"VerifyFlag": **0**,

"OwnerUin": **566148615**,

"PYInitial": "",

"PYQuanPin": "",

"RemarkPYInitial": "",

"RemarkPYQuanPin": "",

"StarFriend": **0**,

"AppAccountFlag": **0**,

"Statues": **1**,

"AttrStatus": **0**,

"Province": "",

"City": "",

"Alias": "",

"SnsFlag": **0**,

"UniFriend": **0**,

"DisplayName": "",

"ChatRoomId": **0**,

"KeyWord": "",

"EncryChatRoomId": "@1225f91888ecd35b2a10501578ef8662"

**}**

**]**

**}**

】

**消息接口**

**发文字消息（post）：**

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxsendmsg?lang=zh\_CN&pass\_ticket=tM909DkHH8fXLR7hhwIgn9MqmSuCxx6%252BcdaA9qE203zxP7fMT%252FtxPlY7opbnnVE2

请求头：

Content-Type:application/json;charset=UTF-8

提交数据（json）：

**{**

"BaseRequest": **{**

"Uin": **566148615**,

"Sid": "2qui+CC4YTiiI2zk",

"Skey": "@crypt\_14ae1b12\_1bb5e370393b8cd502919825fe9dbfc0",

"DeviceID": "e784205590563506"

**}**,

"Msg": **{**

"Type": **1**,

"Content": "@李松林 啊啊啊啊啊啊",

"FromUserName": "@595d9f44c64e2f480baa0d6430ca58ef053a768daa6d7b3fcc4bece244bcbce3",

"ToUserName": "@@9e1c0ab62b5ab222835786c00192fb1e10c75f8082c245d360ac6a6bd2efe2df",

"LocalID": "14766146756340722",

"ClientMsgId": "14766146756340722"

**}**,

"Scene": **0**

**}**

Type: 1 文字消息,

Content: 要发送的消息,

FromUserName: 自己ID,

ToUserName: 好友ID,

LocalID: 与clientMsgId相同,

ClientMsgId: 时间戳左移4位随后补上4位随机数

返回数据（json）：

{

"BaseResponse": {

"Ret": 0,

"ErrMsg": ""

},

"MsgID": "4527210051674039705",

"LocalID": "14766146756340722"

}

**发送表情消息（post）:**

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxsendemoticon?fun=sys&lang=zh\_CN

请求头：

Content-Type:application/json;charset=UTF-8

提交数据（json）：

**{**

**"BaseRequest": {**

**"Uin": 566148615,**

**"Sid": "2qui+CC4YTiiI2zk",**

**"Skey": "@crypt\_14ae1b12\_1bb5e370393b8cd502919825fe9dbfc0",**

**"DeviceID": "e961665475339031"**

**},**

**"Msg": {**

**"Type": 47,**

**"EmojiFlag": 2,**

**"EMoticonMd5": "44682e637b75a3f5d6747d61dbd23a15",**

**"FromUserName": "@595d9f44c64e2f480baa0d6430ca58ef053a768daa6d7b3fcc4bece244bcbce3",**

**"ToUserName": "@e5403f77c2193da671790c1a242d0b43ac6f570e5047993ef745d13d6376b57b",**

**"LocalID": "14766150190560991",**

**"ClientMsgId": "14766150190560991"**

**},**

**"Scene": 0**

**}**

Type: 47 emoji消息,

EmojiFlag: 2,

MediaId: 表情上传后的媒体ID,

FromUserName: 自己ID,

ToUserName: 好友ID,

LocalID: 与clientMsgId相同,

ClientMsgId: 时间戳左移4位随后补上4位随机数

返回数据（json）：

**{**

**"BaseResponse": {**

**"Ret": 0,**

**"ErrMsg": ""**

**},**

**"MsgID": "1604548346807369725",**

**"LocalID": "14766150190560991"**

**}**

**发送图片消息：**

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxsendmsgimg?fun=async&f=json&lang=zh\_CN

请求头：

Content-Type:application/json;charset=UTF-8

提交数据（json）：

**{**

**"BaseRequest": {**

**"Uin": 566148615,**

**"Sid": "2qui+CC4YTiiI2zk",**

**"Skey": "@crypt\_14ae1b12\_1bb5e370393b8cd502919825fe9dbfc0",**

**"DeviceID": "e374531581999650"**

**},**

**"Msg": {**

**"Type": 3,**

**"MediaId": "@crypt\_4d268bd0",**

**"FromUserName": "@595d9f44c64e2f480baa0d6430ca58ef053a768daa6d7b3fcc4bece244bcbce3",**

**"ToUserName": "@e5403f77c2193da671790c1a242d0b43ac6f570e5047993ef745d13d6376b57b",**

**"LocalID": "14766158484990338",**

**"ClientMsgId": "14766158484990338"**

**},**

**"Scene": 0**

**}**

Type: 3 媒体消息,

MediaId: 表情上传后的媒体ID,

FromUserName: 自己ID,

ToUserName: 好友ID,

LocalID: 与clientMsgId相同,

ClientMsgId: 时间戳左移4位随后补上4位随机数

返回数据（json）：

**{**

**"BaseResponse": {**

**"Ret": 0,**

**"ErrMsg": ""**

**},**

**"MsgID": "6722400141243782346",**

**"LocalID": "14766158484990338"**

**}**

**发送文件消息（post）:**

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxsendappmsg?fun=async&f=json

请求头：

Content-Type:application/json;charset=UTF-8

提交数据（json）：

**{**

"BaseRequest": **{**

"Uin": **566148615**,

"Sid": "NO0RlTCXvpBGaag7",

"Skey": "@crypt\_14ae1b12\_3bdec7023595f68f9900b5d9d7d30b75",

"DeviceID": "e984332143788024"

**}**,

"Msg": **{**

"Type": **6**,

"Content": "<appmsg appid='wxeb7ec651dd0aefa9' sdkver=''><title>top10.csv</title><des></des><action></action><type>6</type><content></content><url></url><lowurl></lowurl><appattach><totallen>1760</totallen><attachid>@crypt\_f672a24d\_9d9c7d6a3b5ec058db1e6eb3d7c66917ede2e615535e9659365322de110ac41877d9a3b878ed82c0959f9b4602ef6e6d784ae853ab4e242d201cb19b9ee255a337f884eab998c5c43e7d433c01f14c91</attachid><fileext>csv</fileext></appattach><extinfo></extinfo></appmsg>",

"FromUserName": "@257b5aa7fb7b1672afb889be97197478cf618d9bab2b470cf767a61ae9f7f321",

"ToUserName": "@@ab3e18c922f8ab162762f6da231236137ca52871419ec9cafc2421607e82e1ca",

"LocalID": "14767614604200494",

"ClientMsgId": "14767614604200494"

**}**,

"Scene": **0**

**}**

返回数据（json）：

**{**

"BaseResponse": **{**

"Ret": **0**,

"ErrMsg": ""

**}**,

"MsgID": "6923581840474342573",

"LocalID": "14767614604200494"

**}**

**加好友接口（post）：**

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxverifyuser?r=1476779339614&lang=zh\_CN&pass\_ticket=td%252BZEx1ANBEB8wz%252BxjYhotl3fChIto%252FyC4w%252FNHMopoqOP8Eya9%252FivEs2lsPEDqEj

请求头：

Content-Type:application/json;charset=UTF-8

提交数据（json）：

**{**

**"BaseRequest": {**

**"Uin": 1443149207,**

**"Sid": "ddHoU+zseWetrV1I",**

**"Skey": "@crypt\_d9da2d81\_c78305bccd3a987cc183d985ccc0ad56",**

**"DeviceID": "e656550621498613"**

**},**

**"Opcode": 2,**

**"VerifyUserListSize": 1,**

**"VerifyUserList": [**

**{**

**"Value": "@590acbefbaf73de5ee501ebf29df96158fddbf62a3dfd5623817796569a9decf",**

**"VerifyUserTicket": ""**

**}**

**],**

**"VerifyContent": "我是lbbniu.cn",**

**"SceneListCount": 1,**

**"SceneList": [**

**33**

**],**

**"skey": "@crypt\_d9da2d81\_c78305bccd3a987cc183d985ccc0ad56"**

**}**

返回数据（post）：

**{**

**"BaseResponse": {**

**"Ret": 0,**

**"ErrMsg": ""**

**}**

**}**

**上传附件接口（post）：**

https://file.wx.qq.com/cgi-bin/mmwebwx-bin/webwxuploadmedia?f=json

请求头：

Content-Type:multipart/form-data; boundary=----WebKitFormBoundaryoWmrkW7MIGyBhlOt

图片接口：

获取消息图片（get）：

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxgetmsgimg?&MsgID=6829659093985341608&skey=%40crypt\_14ae1b12\_1bb5e370393b8cd502919825fe9dbfc0&type=slave

MsgID: 消息ID

type: slave 略缩图 or 为空时加载原图

skey: xxx

获取联系人头像（get）：

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxgeticon?seq=637275253&username=@aa357b7fc1ccb2e77a2632a6251fb6de2c5dd1c0ec503f04b25cfd34c256956a&skey=@crypt\_14ae1b12\_1bb5e370393b8cd502919825fe9dbfc0

seq: 数字，可为空

username: ID

skey: xxx

获取群头像（get）：

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxgetheadimg?seq=0&username=@@eca74ece82ad7947d262c59d53ab5d001e8776374141377cc025956b44bd1c03&skey=@crypt\_14ae1b12\_1bb5e370393b8cd502919825fe9dbfc0

seq: 数字，可为空

username: 群ID

skey: xxx

多媒体接口：

获取语音消息（get）：

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxgetvoice?msgid=6181125285738858128&skey=@crypt\_14ae1b12\_1bb5e370393b8cd502919825fe9dbfc0

msgid: 消息ID

skey: xxx

获取视频消息信息（get）：

https://wx.qq.com/cgi-bin/mmwebwx-bin/webwxgetvideo?msgid=114757855447263581&skey=%40crypt\_14ae1b12\_1bb5e370393b8cd502919825fe9dbfc0

msgid: 消息ID

skey: xxx

获取其他文件：

https://file.wx.qq.com/cgi-bin/mmwebwx-bin/webwxgetmedia?sender=@@aa4d90eee1984452cfacf8b510ce6547af58aa4fe34fe567787c716fd262d42c&mediaid=@crypt\_3d1bb9c7\_7f07116cc9b86e9d8237ad938293eee8a820acfa35e7bdaa41a03fc2fb17b60a4c6da7f967714259dec587505a1b55b10e61e301f733ec718167d8d355f8809257d3fbf382d775e2872e552957e894d52060d8766133214a58ea017e6416216c9f6f1d6056e5b22fe6c78a50efcf384969a7e1b96f348f581853b41be070c16ea4d510b8d10d747a3fc5a3909e1ed2deea43aa6db558c6dd58d453e8d6235d9f6a7c7bc0eb752fb5aee59568ab8de8ff38e0064b827765ae847d6a3503fba9a970006d18f0092a12811ccaec57c071bd&filename=51CTO%E4%B8%8B%E8%BD%BD-MySQL%E6%80%A7%E8%83%BD%E8%B0%83%E4%BC%98%E4%B8%8E%E6%9E%B6%E6%9E%84%E8%AE%BE%E8%AE%A1.pdf&fromuser=1443149207&pass\_ticket=td%252BZEx1ANBEB8wz%252BxjYhotl3fChIto%252FyC4w%252FNHMopoqOP8Eya9%252FivEs2lsPEDqEj&webwx\_data\_ticket=gSc8PoV98Y4y98pOsP6hmcpj

账号类型

个人账号

以@开头，例如：@xxx

**群聊**

以@@开头，例如：@@xxx

公众号/服务号

以@开头，但其VerifyFlag & 8 != 0

VerifyFlag:

一般公众号/服务号：8

微信自家的服务号：24

微信官方账号微信团队：56

特殊账号

像文件传输助手之类的账号，有特殊的ID，目前已知的有：

filehelper, newsapp, fmessage, weibo, qqmail, fmessage, tmessage, qmessage, qqsync, floatbottle, lbsapp, shakeapp, medianote, qqfriend, readerapp, blogapp, facebookapp, masssendapp, meishiapp, feedsapp, voip, blogappweixin, weixin, brandsessionholder, weixinreminder, officialaccounts, notification\_messages, wxitil, userexperience\_alarm, notification\_messages

消息类型一般格式：

{

"FromUserName": "",

"ToUserName": "",

"Content": "",

"StatusNotifyUserName": "",

"ImgWidth": 0,

"PlayLength": 0,

"RecommendInfo": {...},

"StatusNotifyCode": 4,

"NewMsgId": "",

"Status": 3,

"VoiceLength": 0,

"ForwardFlag": 0,

"AppMsgType": 0,

"Ticket": "",

"AppInfo": {...},

"Url": "",

"ImgStatus": 1,

"MsgType": 1,

"ImgHeight": 0,

"MediaId": "",

"MsgId": "",

"FileName": "",

"HasProductId": 0,

"FileSize": "",

"CreateTime": 1454602196,

"SubMsgType": 0

}

MsgType说明：

1 文本消息

3 图片消息

34 语音消息

37 VERIFYMSG

40 POSSIBLEFRIEND\_MSG

42 共享名片

43 视频通话消息

47 动画表情

48 位置消息

49 分享链接

50 VOIPMSG

51 微信初始化消息

52 VOIPNOTIFY

53 VOIPINVITE

62 小视频

9999 SYSNOTICE

10000 系统消息

10002 撤回消息

**微信初始化消息**

MsgType: 51

FromUserName: 自己ID

ToUserName: 自己ID

StatusNotifyUserName: 最近联系的联系人ID

Content:

<msg>

<op id='4'>

<username>

// 最近联系的联系人

filehelper,xxx@chatroom,wxid\_xxx,xxx,...

</username>

<unreadchatlist>

<chat>

<username>

// 朋友圈

MomentsUnreadMsgStatus

</username>

<lastreadtime>

1454502365

</lastreadtime>

</chat>

</unreadchatlist>

<unreadfunctionlist>

// 未读的功能账号消息，群发助手，漂流瓶等

</unreadfunctionlist>

</op>

</msg>

**文本消息**

MsgType: 1

FromUserName: 发送方ID

ToUserName: 接收方ID

Content: 消息内容

**图片消息**

MsgType: 3

FromUserName: 发送方ID

ToUserName: 接收方ID

MsgId: 用于获取图片

Content:

<msg>

<img length="6503" hdlength="0" />

<commenturl></commenturl>

</msg>

**小视频消息**

MsgType: 62

FromUserName: 发送方ID

ToUserName: 接收方ID

MsgId: 用于获取小视频

Content:

<msg>

<img length="6503" hdlength="0" />

<commenturl></commenturl>

</msg>

**地理位置消息**

MsgType: 1

FromUserName: 发送方ID

ToUserName: 接收方ID

Content: http://weixin.qq.com/cgi-bin/redirectforward?args=xxx

// 属于文本消息，只不过内容是一个跳转到地图的链接

**名片消息**

MsgType: 42

FromUserName: 发送方ID

ToUserName: 接收方ID

Content:

<?xml version="1.0"?>

<msg bigheadimgurl="" smallheadimgurl="" username="" nickname="" shortpy="" alias="" imagestatus="3" scene="17" province="" city="" sign="" sex="1" certflag="0" certinfo="" brandIconUrl="" brandHomeUrl="" brandSubscriptConfigUrl="" brandFlags="0" regionCode="" />

RecommendInfo:

{

"UserName": "xxx", // ID

"Province": "xxx",

"City": "xxx",

"Scene": 17,

"QQNum": 0,

"Content": "",

"Alias": "xxx", // 微信号

"OpCode": 0,

"Signature": "",

"Ticket": "",

"Sex": 0, // 1:男, 2:女

"NickName": "xxx", // 昵称

"AttrStatus": 4293221,

"VerifyFlag": 0

}

**语音消息**

MsgType: 34

FromUserName: 发送方ID

ToUserName: 接收方ID

MsgId: 用于获取语音

Content:

<msg>

<voicemsg endflag="1" cancelflag="0" forwardflag="0" voiceformat="4" voicelength="1580" length="2026" bufid="216825389722501519" clientmsgid="49efec63a9774a65a932a4e5fcd4e923filehelper174\_1454602489" fromusername="" />

</msg>

**动画表情**

MsgType: 47

FromUserName: 发送方ID

ToUserName: 接收方ID

Content:

<msg>

<emoji fromusername = "" tousername = "" type="2" idbuffer="media:0\_0" md5="e68363487d8f0519c4e1047de403b2e7" len = "86235" productid="com.tencent.xin.emoticon.bilibili" androidmd5="e68363487d8f0519c4e1047de403b2e7" androidlen="86235" s60v3md5 = "e68363487d8f0519c4e1047de403b2e7" s60v3len="86235" s60v5md5 = "e68363487d8f0519c4e1047de403b2e7" s60v5len="86235" cdnurl = "http://emoji.qpic.cn/wx\_emoji/eFygWtxcoMF8M0oCCsksMA0gplXAFQNpiaqsmOicbXl1OC4Tyx18SGsQ/" designerid = "" thumburl = "http://mmbiz.qpic.cn/mmemoticon/dx4Y70y9XctRJf6tKsy7FwWosxd4DAtItSfhKS0Czr56A70p8U5O8g/0" encrypturl = "http://emoji.qpic.cn/wx\_emoji/UyYVK8GMlq5VnJ56a4GkKHAiaC266Y0me0KtW6JN2FAZcXiaFKccRevA/" aeskey= "a911cc2ec96ddb781b5ca85d24143642" ></emoji>

<gameext type="0" content="0" ></gameext>

</msg>

**普通链接或应用分享消息**

MsgType: 49

AppMsgType: 5

FromUserName: 发送方ID

ToUserName: 接收方ID

Url: 链接地址

FileName: 链接标题

Content:

<msg>

<appmsg appid="" sdkver="0">

<title></title>

<des></des>

<type>5</type>

<content></content>

<url></url>

<thumburl></thumburl>

...

</appmsg>

<appinfo>

<version></version>

<appname></appname>

</appinfo>

</msg>

**音乐链接消息**

MsgType: 49

AppMsgType: 3

FromUserName: 发送方ID

ToUserName: 接收方ID

Url: 链接地址

FileName: 音乐名

AppInfo: // 分享链接的应用

{

Type: 0,

AppID: wx485a97c844086dc9

}

Content:

<msg>

<appmsg appid="wx485a97c844086dc9" sdkver="0">

<title></title>

<des></des>

<action></action>

<type>3</type>

<showtype>0</showtype>

<mediatagname></mediatagname>

<messageext></messageext>

<messageaction></messageaction>

<content></content>

<contentattr>0</contentattr>

<url></url>

<lowurl></lowurl>

<dataurl>

http://ws.stream.qqmusic.qq.com/C100003i9hMt1bgui0.m4a?vkey=6867EF99F3684&amp;guid=ffffffffc104ea2964a111cf3ff3edaf&amp;fromtag=46

</dataurl>

<lowdataurl>

http://ws.stream.qqmusic.qq.com/C100003i9hMt1bgui0.m4a?vkey=6867EF99F3684&amp;guid=ffffffffc104ea2964a111cf3ff3edaf&amp;fromtag=46

</lowdataurl>

<appattach>

<totallen>0</totallen>

<attachid></attachid>

<emoticonmd5></emoticonmd5>

<fileext></fileext>

</appattach>

<extinfo></extinfo>

<sourceusername></sourceusername>

<sourcedisplayname></sourcedisplayname>

<commenturl></commenturl>

<thumburl>

http://imgcache.qq.com/music/photo/album/63/180\_albumpic\_143163\_0.jpg

</thumburl>

<md5></md5>

</appmsg>

<fromusername></fromusername>

<scene>0</scene>

<appinfo>

<version>29</version>

<appname>摇一摇搜歌</appname>

</appinfo>

<commenturl></commenturl>

</msg>

**群消息**

MsgType: 1

FromUserName: @@xxx

ToUserName: @xxx

Content:

@xxx:<br/>xxx

**红包消息**

MsgType: 49

AppMsgType: 2001

FromUserName: 发送方ID

ToUserName: 接收方ID

Content: 未知

注：根据网页版的代码可以看到未来可能支持查看红包消息，但目前走的是系统消息，见下。

**系统消息**

MsgType: 10000

FromUserName: 发送方ID

ToUserName: 自己ID

Content:

"你已添加了 xxx ，现在可以开始聊天了。"

"如果陌生人主动添加你为朋友，请谨慎核实对方身份。"

"收到红包，请在手机上查看"