

知识要点

1. 网页授权

官方资料 https://mp.weixin.qq.com/wiki?t=resource/res_main&id=mp1421140842

npm库 <https://github.com/node-webot/wechat-oauth>

阮一峰的OAuth2 http://www.ruanyifeng.com/blog/2014/05/oauth_2_0.html

1. 配置网页回调

JS接口安全域名		新增
号	网页授权获取用户基本信息	无上限 修改

OAuth2.0网页授权

授权回调页面域名:

josephxia.free.idcfengye.com

用户在网页授权页同意授权给公众号后，微信会将授权数据传给一个回调页面，回调页面需在此域名下，以确保安全可靠。沙盒号回调地址支持域名和ip，正式公众号回调地址只支持域名。

2. 配置JS安全接口

JS接口安全域名 [修改](#)

设置JS接口安全域后，通过关注该测试号，开发者即可在该域名下调用微信开放的JS接口，请阅读[微信JSSDK开发文档](#)。

域名 josephxia.free.idcfengye.com

1 网页端

```
<h3>网页授权</h3>
<hr>
<cube-button v-on:click="auth">微信登录</cube-button>
<cube-button v-on:click="getUser">获取用户信息</cube-button>
<hr>
```

```
// wechat/index.html
async auth () {
  window.location.href = '/wxAuthorize'
},
```

1. 初始化OAuth

```
// index.js
const OAuth = require('co-wechat-oauth');
const oauth = new OAuth(conf.appid, conf.appsecret);
```

2. 生成用户URL

```
// index.js
// 生成引导用户点击的 URL
router.get('/wxAuthorize', async (ctx, next) => {
  const state = ctx.query.id
  // const target = ctx.href
  console.log('ctx...' + ctx.href)
  // 目标地址
  redirectUrl = ctx.href
  redirectUrl = redirectUrl.replace('wxAuthorize', 'wxCallback')
  const scope = 'snsapi_userinfo'

  var url = oauth.getAuthorizeURL(redirectUrl, state, scope);
  console.log('url' + url)
  ctx.redirect(url)
})
```

3. 获取用户回调 AccessToken与OpenId

```
// index.js
// 获取AccessToken
router.get('/wxCallback', async (ctx, next) => {
  const code = ctx.query.code // 授权码
  console.log('getAccessToken', code)
  var token = await oauth.getAccessToken(code);
  var accessToken = token.data.access_token;
  var openid = token.data.openid;
  console.log('getAccessToken....')
  console.log('accessToken', accessToken)
```

```

    console.log('openid', openid)
    // ctx.body = token

    ctx.redirect('/?openid=' + openid)
  })

```

4. 用户信息

```

// index.html
async getUser(){
  const qs = Qs.parse(window.location.search.substr(1))
  const openid = qs.openid
  const res = await axios.get(`/getUser`,{
    params:{
      openid
    }
  })
  console.log('User', res.data)
},

```

```

// index.js
router.get('/getUser', async (ctx, next) => {
  const openid = ctx.query.openid
  console.log('getUser', openid)
  var userInfo = await oauth.getUser(openid);
  console.log('userInfo:', userInfo)
  ctx.body = userInfo
})

```

5. AccessToken缓存问题

```

// mongo.js
// ClientAccessToken
// mongoose.js
const mongoose = require('mongoose')
const {
  Schema
} = mongoose

mongoose.connect('mongodb://localhost:27017/weixin', {
  useNewUrlParser: true
}, () => {
  console.log('Mongodb connected..')
})

exports.ServerToken = mongoose.model('ServerToken', {
  accessToken: String
});

```

```
// ClientAccessToken
schema = new Schema({
  access_token: String,
  expires_in: Number,
  refresh_token: String,
  openid: String,
  scope: String,
  create_at: String
});
// 自定义getToken方法
schema.statics.getToken = async function (openid) {
  return await this.findOne({
    openid: openid
  });
};
schema.statics.setToken = async function (openid, token) {
  // 有则更新, 无则添加
  const query = {
    openid: openid
  };
  const options = {
    upsert: true
  };
  return await this.updateOne(query, token, options);
};

exports.ClientToken = mongoose.model('ClientToken', schema);
```

```
const OAuth = require('co-wechat-oauth');
const oauth = new OAuth(conf.appid, conf.appsecret,
  async function (openid) {
    return await ClientToken.getToken(openid)
  },
  async function (openid, token) {
    return await ClientToken.setToken(openid, token)
  }
);
```

2. 微信JS SDK

官方资料: https://mp.weixin.qq.com/wiki?t=resource/res_main&id=mp1421141115

npm库: <https://github.com/node-webot/co-wechat-api>

```
// index.js
// 获取JSConfig
router.get('/getJsConfig', async ctx => {
  console.log('getJSSDK...', ctx.query)

  var res = await api.getJsConfig(ctx.query);
  console.log('res', res)
  ctx.body = res
})
```

```
// index.html
<script src="http://res.wx.qq.com/open/js/jweixin-1.4.0.js"></script>
```

```
// index.html
getJsConfig: async function () {
  console.log('wx:', wx)
  let res = await axios.get('/getJsConfig', {
    params: {
      url: window.location.href
    }
  })
  console.log('res.....', res.data)
  res.data.jsApiList = ['onMenuShareTimeline', 'onMenuShareAppMessage']
  wx.config(res.data);
  wx.ready(function () {
    console.log('wx.ready.....')
  });
  // 获取网络地址
  wx.getNetworkType({
    success: function (res) {
      // 返回网络类型2g, 3g, 4g, wifi
      var networkType = res.networkType;
      console.log('getNetworkType...', networkType)
    }
  });
},
```

jsApiList参考 https://mp.weixin.qq.com/wiki?t=resource/res_main&id=mp1421141115