权限设计

- 角色(group)与资源(menu、element)关联(base_resource_authority) 用户(user)与角色(group)关联(group leader are
- 前后端资源映射关系

```
● 菜单 (menu) code 对应前端路由的authority
● 资源 (element) code 对应市产品。
● 资源 (element) uri 、code 对应配置网关拦截的Url
```

用户权限加载 类PermissionService 中的获取用户权限方法getPermissionByUsername

```
List<Menu> menus =
  menuBiz.getUserAuthorityMenuByUserId(user.getId());
          List<PermissionInfo> result = new ArrayList<PermissionInfo>();
          PermissionInfo info = null;
          menu2permission(menus, result);
          List<Element> elements =
  elementBiz.getAuthorityElementByUserId(user.getId() + ""
          element2permission(result, elements);
          return result;
权限拦截
```

public Mono<Void> filter(ServerWebExchange serverWebExchange,

public List<PermissionInfo> getPermissionByUsername(String username) {

User user = userBiz.getUserByUsername(username);

GatewayFilterChain gatewayFilterChain) { log.info("check token and user permission...."); LinkedHashSet requiredAttribute =

@Override

● 网关核心权限拦截类AccessGatewayFilter

```
serverWebExchange.getRequiredAttribute(ServerWebExchangeUtils.GATEWAY OR
        IGINAL REQUEST URL ATTR);
                ServerHttpRequest request = serverWebExchange.getRequest();
                String requestUri =
        request.getPath().pathWithinApplication().value();
                if (requiredAttribute != null) {
                    Iterator<URI> iterator = requiredAttribute.iterator();
                    while (iterator.hasNext()) {
                        URI next = iterator.next();
                        if (next.getPath().startsWith(GATE WAY PREFIX)) {
                            requestUri = next.getPath();
                final String method = request.getMethod().toString();
                ServerHttpRequest.Builder mutate = request.mutate();
                // 不进行拦截的地址
                if (isStartWith(requestUri)) {
                    ServerHttpRequest build = mutate.build();
                    return
        gatewayFilterChain.filter(serverWebExchange.mutate().request(build).buil
        d());
                UserInfo userInfo;
                try {
                    userInfo = getJWTUser(request, mutate);
                } catch (Exception e) {
                    log.error("用户Token过期异常", e);
                    return getVoidMono(serverWebExchange, new
        TokenForbiddenResponse("User Token Forbidden or Expired!"));
                List<PermissionInfo> permissionIfs =
        userService.getAllPermissionInfo();
                // 判断资源是否启用权限约束
                Stream<PermissionInfo> stream = getPermissionIfs(requestUri,
        method, permissionIfs);
                List<PermissionInfo> result =
        stream.collect(Collectors.toList());
                PermissionInfo[] permissions = result.toArray(new
        PermissionInfo[]{});
                if (permissions.length > 0) {
                    if (checkUserPermission(permissions, serverWebExchange,
        userInfo)) {
                        return getVoidMono(serverWebExchange, new
        TokenForbiddenResponse("User Forbidden!Does not has Permission!"));
                ServerHttpRequest build = mutate.build();
                return
        gatewayFilterChain.filter(serverWebExchange.mutate().request(build).buil
        d());
     前端权限处理
      在用户登录成功之后才会进行菜单、页面资源权限的加载。
                                                          864765462@qq.com
路由与菜单控制。
```

menuDatas[data[i].code] = data[i]; // 此处根据当前用户的菜单访问权限来动态过滤

menus, menuDatas);

})

• 菜单生成过

Admin-UI/src/main.js 中被调用到

return new Promise(resolve => {

const menuDatas = {};

getAllMenus().then(data => {

GenerateRoutes({

commit

}, menus) {

commit('SET_ROUTERS', accessedRouters); resolve();

程, src/views/layout/Sidebar.vue、src/views/layout/SidebarItem.vue

console.log(accessedRouters);

利用递归来生成菜单、建议菜单的层级控制到2~3层。

for (let i = 0; i < data.length; i++) {</pre>

动态权限路由控制,src/store/modules/permission.js,GenerateRoutes该方法在AG-

const accessedRouters = filterAsyncRouter(asyncRouterMap,

```
<template v-for="item in routes">
                 <el-submenu :index="item.title" :key="item.name">
                         <template slot="title">
                                 <icon-svg v-if='item.icon' :icon-</pre>
class="item.icon"></icon-svg>
                               <span>{{item.title}}</span>
                         </template>
                         <template v-for="child in item.children">
                                 <sidebar-item class='nest-menu' v-</pre>
if='child.children&&child.children.length>0' :routes='[child]'
:key="child.name"> </sidebar-item>
                                 <a target=" blank" v-
if="child.href!=null&&child.href.indexOf('http')==0" :href="child.href"
:key="child.name">
                                          <el-menu-item
:index="'/'+item.code+'/'+child.code">
                                                   <icon-svg v-
if='child.icon' :icon-class="child.icon"></icon-svg>
                                                   <span>{{child.title}}
</span>
                                           </el-menu-item
```


if="child.href!=null&&child.href.indexOf('http')!=0&&child.type!='dirt'"

:to="'/'+item.code+'/'+child.code" :key="child.name">

if='child.icon' :icon-class="child.icon"></icon-svg>

</el-submenu>

return new Promise((resolve, reject) => {

commit('SET ROLES', 'admin');

commit('SET_NAME', data.name);

commit('SET_MENUS', menus);

const elements = {};

const data = response;

commit('SET AVATAR',

const menus = {};

getInfo(state.token).then(response => {

'http://git.oschina.net/uploads/42/547642_geek_qi.png?1499487420');

commit('SET INTRODUCTION', data.description);

for (let i = 0; i < data.menus.length; i++) {</pre>

menus[data.menus[i].code] = true;

</template>

页面按钮权限控制

中被调用到

// 获取用户信息

GetInfo({

state

}) {

commit,

</template>

:index="'/'+item.code+'/'+child.code">

<router-link v-

</router-link>

Д 国 ł 女 社 / X P 民 ł 仝 市 J• 加载用户页面权限资源,src/store/modules/user.js 的GetInfo 该方法在src/main.js

<el-menu-item

</el-menu-item>

<icon-svg v-

{{child.title}}

for (let i = 0; i < data.elements.length; i++) {</pre> elements[data.elements[i].code] = true;

});

icon="edit">添加</el-button>

import { mapGetters } from 'vuex';

},

// 加载用户

export default {

return {

name: 'user',

data() {

// 加载按钮资源权限编码 commit('SET ELEMENTS', elements); resolve(response); }).catch(error => { reject(error); getMenus(state.token).then(response => { console.log(response)

commit('SET PERMISSION MENUS', response);

● 页面权限控制,示例页面(用户管理),src/views/admin/user/index.vue

<el-button class="filter-item" v-if="userManager_btn_add"</pre>

style="margin-left: 10px;" @click="handleCreate" type="primary"

```
userManager_btn_add: false,
            \mathcal{H}
       0.09.
            created() {
               // 此处值与上述按钮的v-if变量一致
             this.userManager_btn_add = this.elements['userManager:btn add'];
       0.09
6476546
         computed: {
elements'
            ...mapGetters([
                                                       864765462@qq.com
                                                        864765462@99.com
                           864765462@00.com
64765462080
64765462@qq.com
                           864765462@qq.com
                                                        864765462@qq.com
```