隐私说明

您的密钥等私有信息不会被北冥翻译上传到第三方保存，但是会保存在uTools的数据库中，北冥翻译使用JavaScript直接请求翻译API,中间不经过其它服务器,以下是核心js内容:

```
var app = new Vue({
    el:'#app',
    data:{
        content':'',
        results':'',
        api_name':'tmt',//默认翻译
        default_api_name':'',
        is_click':{
            baidu':false,
            youdao':false,
            sogou':false,
            tmt':true,
            caiyun':false
        },
        api_list':{
            baidu':'百度翻译 ,
            youdao':'有道翻译 ,
            caiyun':'彩云小译 ,
            sogou':'搜狗翻译 ,
            tmt':'腾讯翻译
        },
        from:'auto',//源语言
        to:'',//目标语言
        is_load:false,//是否显示加载按钮，默认不显示
        is_active:'',//是否激活了设置按钮
        baidu:{
            api_url:'https://fanyi-api.baidu.com/api/trans/vip/translate',
            appid:'',
            secret_key:''
        },
        youdao:{
            api_url:'https://openapi.youdao.com/api',
            appid:'',
            secret_key:''
```

```
    },
    caiyun:{
        api_url:'https://api.interpreter.caiyunai.com/v1/translator',
        appid:'',
        secret_key:''
    },
    sogou:{

    },
    tmt:{
        api_url:'https://bm.rss.ink/v1/tmt',
        appid:'',
        secret_key:''
    },//□□□□
    err_msg:{
        'content':'',
        'status':false
    },//□□□□
    suc_msg:{
        'content':'',
        'status':false
    },//□□□□□□□
    g_msg:{
        'content':'',
        'status':'',
        'is_type':''
    }
},
methods: {
    //□□□□
    baidu_func:function(){
        console.log('□□□□□□□');
        this.check_api('baidu');
        var appid = this.baidu.appid;
        var key = this.baidu.secret_key;
        var salt = (new Date).getTime();
        var query = this.content.trim();
        // □□query□□□\n□□  □query='apple\norange\nbanana\npear'
        var from = document.getElementById("from").value;
        //
        var to = get_to_lang(this.content);
```

```
    var str1 = appid + query + salt + key;
    var sign = MD5(str1);

    const params = new URLSearchParams();
    params.append('q', query);
    params.append('appid', appid);
    params.append('salt', salt);
    params.append('from', from);
    params.append('to', to);
    params.append('sign', sign);



    axios
    .post(this.baidu.api_url,params)
    .then(
    response => (
    this.deal_baidu_results(response.data)

    )
    )
    .catch(function (error) { // 请求失败处理
    console.log(error);
    });
},
//有道翻译
youdao_func:function(){
this.check_api('youdao');
var appKey = this.youdao.appid;
var key = this.youdao.secret_key;//注意：暴露appSecret，有被盗用造成损失的风险
var salt = (new Date).getTime();
var curtime = Math.round(new Date().getTime()/1000);
var query = this.content;
// 多个query可以用\n连接  如 query='apple\norange\nbanana\npear'
var from = 'auto';
var to = get_to_lang(this.content);
var str1 = appKey + truncate(query) + salt + curtime + key;

var sign = CryptoJS.SHA256(str1).toString(CryptoJS.enc.Hex);

const params = new URLSearchParams();
params.append('q', query);
```

```
        params.append('appKey', appKey);
        params.append('salt', salt);
        params.append('from', from);
        params.append('to', to);
        params.append('sign', sign);
        params.append('signType', 'v3');
        params.append('curtime', curtime);

        axios
        .post(this.youdao.api_url,params)
        .then(
            response => (
                this.deal_youdao_results(response.data)
            )
        )
        .catch(function (error) { // 请求失败处理
            console.log(error);
        });
    },
    sogou_func:function(){
        this.is_load = false;
        console.log('暂不支持搜狗翻译');
    },//搜狗翻译结束
    caiyun_func:function(){
        this.check_api('caiyun');
        var token = "token " + this.caiyun.secret_key;
        //原文
        var source = this.content.split("\n");
        //类型
        var trans_type = this.from + '2' + get_to_lang(source);
        console.log(trans_type);
        var request_id = "demo";
        var detect = true;
        //this.is_load = false;

        //请求开始
        axios.post(this.caiyun.api_url,{
            "source":source,
            "trans_type":trans_type,
            "request_id":request_id,
            "detect":detect
```

```
    },{
        headers: {
            'Content-Type': 'application/json',
            'x-authorization':token
        }
    })
    .then(
        response => (
            deal_caiyun_results(response.data)
        )
    )
    .catch(function (error) { // 请求失败处理
        app.is_load = false;
        app.err_msg.content = error;
        this.is_load = false;
        app.err_msg.status = true;
        //请求失败处理
        window.setTimeout(function(){
            app.err_msg.status = false;
        },3000);

        return false;
    });
}
,//腾讯翻译处理
tmt_func:function(){
    var SourceText = this.content;
    var Source = this.from;
    var Target = get_to_lang(SourceText);
    const params = new URLSearchParams();
    params.append('SourceText', SourceText);
    params.append('Source', Source);
    params.append('Target', Target);

    //请求处理
    axios.post(this.tmt.api_url,params)
    .then(
        response => (
            deal_tmt_results(response.data)
        )
    )
```

```
    }).catch(function (error) { // 请求失败处理
        app.is_load = false;
        app.err_msg.content = error;
        this.is_load = false;
        app.err_msg.status = true;
        //三秒后自动隐藏
        window.setTimeout(function(){
            app.err_msg.status = false;
        },3000);
        return false;
    });
},
//切换翻译源，如果内容不为空，则翻译
switch_lang:function(source){

    //记录当前翻译源
    if( source == 'from' ) {
        var from = document.getElementById(source).value;
        this.from = from;
    }
    else if( source == 'to' ) {
        var to = document.getElementById(source).value;
        this.to = to;
    }
    //如果翻译内容不为空，则翻译
    //显示加载
    this.is_load = true;
    this.run_translation();

},
//选择接口
choose_api:function(api_name){
    switch (api_name) {
        case 'baidu':
            this.api_name = 'baidu';
            console.log(this.api_name);
            //this.baidu_func();
            break;
        case 'youdao':
            this.api_name = 'youdao';
            console.log(this.api_name);
```

```
                //this.youdao_func();
                break;
            case 'sogou':
                this.api_name = 'sogou';
                console.log(this.api_name);
                break;
            case 'tmt':
                this.api_name = 'tmt';
                console.log(this.api_name);
                break;
            case 'caiyun':
                this.api_name = 'caiyun';
                console.log(this.api_name);
                break;
            default:
                this.api_name = 'baidu';
                console.log(this.api_name);
                break;
        }
    },
    //
    run_translation: function(){
        console.log('');
        console.log(this.api_name);
        //
        if(  this.content == ''  ){
            console.log('');
            //
            this.is_load = false;
            return false;
        }
        switch (this.api_name) {
            case 'baidu':
                //console.log('');
                //this.test();
                this.baidu_func();
                //console.log('');
                break;
            case 'youdao':
                this.youdao_func();
                //console.log('');
```

```
        break;
    case 'sogou':
        this.sogou_func();
        global_msg('□□□□□□');
        //console.log('□□□□□□□□');
        break;
    case 'tmt':
        this.tmt_func();
        //global_msg('□□□□□□');
        //console.log('□□□□□□□□');
        break;
    case 'caiyun':
        this.caiyun_func();
        //global_msg('□□□□□□');
        //console.log('□□□□□□□□');
        break;
    default:
        this.baidu_func();
        break;
  }
},//□□□□□□□□□
auto_run:function(){
  document.getElementById("from_content").blur();
  this.is_load = true;
  this.run_translation();
  utools.removeSubInput();
},
//□□□□□□□□□□□□
switch_api:function(api_name){
  this.is_load = true;
  //□□□□
  this.choose_api(api_name);
  //□□□□
  //□□□□□□□□□□false
  for(let key in this.is_click){
    this.is_click[key] = false;
  }
  //□□□□□□□□□□□□
  this.is_click[api_name] = true;
  //□□□□□□
  this.run_translation();
```

```
    },//□□□□□□□□
    setting: function(){


        //□□□□□□□□□□□□
        this.is_active = 'is-active';
    },
    //□□□□□
    close_window: function(){
        this.is_active = '';

    },//□□□□□
    save_setting: function(api){
        switch (api) {
            case 'baidu':
                u_set('bm_baidu_appid',deal_str(this.baidu.appid));
                u_set('bm_baidu_secret_key',deal_str(this.baidu.secret_key));
                global_msg('□□□□');
                console.log(this.baidu.appid);
                console.log('□□□□□□□□');
                break;
            case 'youdao':
                u_set('bm_youdao_appid',deal_str(this.youdao.appid));
                u_set('bm_youdao_secret_key',deal_str(this.youdao.secret_key));
                global_msg('□□□□');
                console.log('□□□□□□□□');
                break;
            case 'caiyun':
                u_set('bm_caiyun_secret_key',deal_str(this.caiyun.secret_key));
                global_msg('□□□□');
                console.log('□□□□□□□□');
                break;
            case 'api_name':
                u_set('bm_default_api_name',document.getElementById('api_name').value);
                this.default_api_name = u_get('bm_default_api_name');
                global_msg('□□□□□□□□□');
                console.log('□□□□□□□□□');
                break;
            default:
                break;
        }
```

```
    console.log('初始化完成');
  },//初始化结束
  init: function(){
    //百度翻译API设置
    this.baidu.appid = u_get('bm_baidu_appid');
    this.baidu.secret_key = u_get('bm_baidu_secret_key');
    //有道翻译API设置
    this.youdao.appid = u_get('bm_youdao_appid');
    this.youdao.secret_key = u_get('bm_youdao_secret_key');
    //彩云小译API设置
    this.caiyun.secret_key = u_get('bm_caiyun_secret_key');

    //默认翻译接口
    if( u_get('bm_default_api_name') != null ){
      var api_name = u_get('bm_default_api_name');
      this.api_name = u_get('bm_default_api_name');
      //将所有接口点击状态设为false
      for(let key in this.is_click){
        this.is_click[key] = false;
      }
      //将默认接口点击状态设为true
      this.is_click[api_name] = true;
      //设置默认接口
      this.default_api_name = u_get('bm_default_api_name');

    }
    else{
      this.default_api_name = 'tmt';

    }

    console.log('默认接口设置完成');
  },//打开url
  open_url: function(url){
    utools.shellOpenExternal(url);
  },//清空翻译结果
  clear_result: function(){
    if( this.content == '' ){
      this.results = '';
    }
```

```
    },//□□□□□□□□□
    check_api: function(api_name){
        switch (api_name) {
            case 'baidu':
                if( this.baidu.secret_key == '' ){
                    global_msg('□□□□□□□API□□□','is-danger');
                    return false;
                }
                break;
            case 'youdao':
                if( this.youdao.secret_key == '' ){
                    global_msg('□□□□□□□API□□□','is-danger');
                    return false;
                }
                break;
            case 'caiyun':
                if( this.caiyun.secret_key == '' ){
                    global_msg('□□□□□□□□API□□□','is-danger');
                    return false;
                }
                break;
            default:
                break;
        }
    },//□□□□
    clear_content: function(){
        this.content = '';
        this.results = '';
        console.log('□□□□□□□');
    }
}

});

function get_to_lang(content){
    //□□□□□□
    var to = document.getElementById("to").value;
    //□□□□□□□□auto□□□□□
    if( to != 'auto' ) {
        return to;
    }
```

```
    var pattern = new RegExp("[\u4E00-\u9FA5]+");
    var pattern2 = new RegExp("[A-Za-z]+");
    //
    if(pattern.test(content)){
        return 'en';
    }
    else if(pattern2.test(content)){
        return 'zh';
    }
}

//
function deal_baidu_results(results){
    console.log('');
    //
    app.is_load = false;
    console.log(results);
    if( results.error_code > 0 ) {
        console.log('');
        app.err_msg.content = results.error_msg;
        app.err_msg.status = true;
        //
        window.setTimeout(function(){
            app.err_msg.status = false;
        },3000);
        return false;
    }
    else{
        results = results.trans_result;
        var content = '';
        for(i = 0;i < results.length;i++) {
            content += results[i].dst + "\n\n";
        }
        app.results = content;
    }
}
//
function deal_youdao_results(results){
    console.log('');
    //
    app.is_load = false;
```

```
//□□□□□□
console.log(results);
//□□□□□□
if( results.errorCode > 0 ) {
switch (results.errorCode) {
case '101':
error_msg = '□□□□□□□□';
break;
case '102':
error_msg = '□□□□□□□□□';
break;
case '103':
error_msg = '□□□□□□';
break;
case '104':
error_msg = '□□□□API□□';
break;
case '105':
error_msg = '□□□□□□□□';
break;
case '106':
error_msg = '□□□□□□□□';
break;
case '107':
error_msg = '□□□□□□□□□□';
break;
case '108':
error_msg = '□□ID□□';
break;
case '109':
error_msg = 'batchLog□□□□□';
break;
case '109':
error_msg = 'batchLog□□□□□';
break;
case '111':
error_msg = '□□□□□□□';
break;
case '112':
error_msg = '□□□□□□';
break;
```

```
    case '113':
        error_msg = 'q□□□□!';
        break;
    default:
        error_msg = '□□□□!';
        break;
    }
    console.log('□□□□□□□□□□');
    app.err_msg.content = error_msg;
    app.err_msg.status = true;
    //□□□□□□□□
    window.setTimeout(function(){
        app.err_msg.status = false;
    },3000);
    return false;
}
else{
    results = results.translation;
    var content = '';
    for(i = 0;i < results.length;i++) {
        content += results[i] + "\n";
    }
    app.results = content;
}
}

//□□□□□□□□□□□
function deal_caiyun_results(results){
    console.log('□□□□□□□□□');
    //□□□□□
    app.is_load = false;
    console.log(results);
    if( results.target == '' ) {
        console.log('□□□□□□□□□□');
        app.err_msg.content = results.error_msg;
        app.err_msg.status = true;
        //□□□□□□□□
        window.setTimeout(function(){
            app.err_msg.status = false;
        },3000);
        return false;
```

```
    }
    else{
        results = results.target;
        var content = '';
        for(i = 0;i < results.length;i++) {
            content += results[i] + "\n";
        }
        app.results = content;
    }
}
//□□□□□□□□
function deal_tmt_results(results){
    console.log('□□□□□□□□□');
    //□□□□□
    app.is_load = false;
    console.log('□□□□' + results.TargetText);
    //□□□□□
    if( results.TargetText == undefined ){
        app.err_msg.content = results.Response.Error.Message;
        app.err_msg.status = true;
        //□□□□□□□
        window.setTimeout(function(){
            app.err_msg.status = false;
        },3000);
    }
    else{
        app.results = results.TargetText;
    }

}

//□□□□□□□□□□
function truncate(q){
    var len = q.length;
    if(len<=20) return q;
    return q.substring(0, 10) + len + q.substring(len-10, len);
}

//□□utools□□□□□
function u_get(key){
    var result = utools.db.get(key);
```

```
    if( result == null ){
        return null;
    }
    else{
        return utools.db.get(key).data;
    }
}
function u_set(key,value){
    //
    var result = utools.db.get(key);
    if( result == null ){
        utools.db.put({
            _id: key,
            data: value
        });
    }
    else{
        utools.db.put({
            _id: key,
            data: value,
            _rev: result._rev
        });
    }
}

//
function global_msg(content,is_color = 'is-success'){
    if( is_color == null ) {
        app.g_msg.is_type = 'is-success';
    }
    else{
        app.g_msg.is_type = is_color;
    }
    //global_msg('dfdsf','is-message')this.g_msg.is_type = (is_type == null) ? 'is-success' : 'is-
danger';
    app.g_msg.content = content;
    app.g_msg.status = true;
    window.setTimeout(function(){
        app.g_msg.status = false;
    },3000);
}
```

```
//□□□□
//□□□□
function copy_result(str_type){
    var copy = new clipBoard('', {
        beforeCopy: function() {
            //var content = app.results;
        },
        copy: function() {
□□□if( str_type == 'content' ){
□□□□global_msg('□□□□□□□□');
□□□□return app.content;
□□□}
□□□else if( str_type == 'results' ){
□□□□global_msg('□□□□□□□□');
□□□□return app.results;
□□□}
        },
        afterCopy: function() {

        }
    });
}

//□□□□□□
function deal_str(str){
□//□□□□□□
□var result = str.trim();
□return result;
}
//□□□□□□□□□□□□□□□□□□
function check_str(str){
□console.log('zifuchuan:' + str.length);
□if ( str.length == 0 ) {
□□global_msg('□□□□□□□□','is-danger');
□□console.log('□□□□□');
□□return false;
□}
□else if( str.length < 8) {
□□global_msg('□□□□□□□□','is-danger');
□□return false;
```

```
□}
}
```

□□□ #2
□ xiaoz □□□ 21 □□ 2021 07:34:19
□ xiaoz □□□ 27 □□ 2021 11:48:27