

21.4 招投标列表



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1、接口介绍

企业招投标列表，包括招投标 ID、标题，招标单位、中标单位列表等信息

2、接口地址

URL

<https://api.qixin.com/APIService/operation/getBiddingListByName>

3、数据格式

JSON

4、Request 支持

HTTPS GET

5、接口描述

5.1 接口请求方式

Headers

参数名	字段类型	必填	描述
Auth-Version	String	是	2.0 (参数值)
appkey	String	是	启信宝开放平台获取
timestamp	String	是	UTC 时间，精确到毫秒
sign	String	是	验证加密值，加密约定：appkey + Timestamp + SecretKey 组成的 32 位 md5 加密的小写字符串

说明：secret_key 参数无需传递

5.2 请求参数

Query

参数名	字段类型	必填	描述
name	String	是	企业全名
type	Number	否	公告类型，入参填对应数字，支持多填，以英文逗号，隔开 10 拟建公告 20 招标公告 30 中标公告 0 未知

role	Number	否	角色 ， 入参填对应数字，支持多填，以英文逗号, 隔开 10 招采单位/建设单位（公告类型为拟建，一般称为建设单位） 20 代理单位 30 中标单位 40 中标候选人 50 其他相关企业
publish_year	String	否	发布年份，例如填入 2021，则返回该企业 2021 年的招投标信息
skip	Number	否	跳过条目数（默认为 0） 分页使用，单次返回 20 条记录，第一页 skip=0，第二页 skip=20，一次类推获取下一页数据

5.3 返回结果

参数名	字段类型	描述
status	String	返回结果状态
message	String	返回结果消息
sign	String	数据签名
data	Object	返回查询结果，每次调用返回 20 条记录，如果没有匹配记录则返回为空。具体字段含义见下表

5.31 返回子数据

返回数据字段：

参数名	字段类型	描述
total	Number	返回列表中记录总数
nums	Number	本次调用返回记录数
items	Array	招投标信息列表

items 数据字段：

字段名	字段类型	备注
id	String	招投标 id
title	String	招投标标题
type	String	公告类型
date	String	发布时间
tender	Array	招标单位列表
-name	String	招标机构名称
-contacts	String	联系人
-phones	String	联系手机号
-address	String	联系地址

-email	String	邮箱
-eid	String	企业 id
agency	Array	代理机构列表
-name	String	代理机构名称
-contacts	String	联系人
-phones	String	联系手机号
-address	String	联系地址
-email	String	邮箱
-eid	String	企业 id
winner	Array	中标单位列表
-name	String	中标机构名称
-project_bid_money	String	中标金额
-contacts	String	联系人
-phones	String	联系手机号
-address	String	联系地址
-email	String	邮箱
-eid	String	企业 id
status	String	招投标状态
province	String	省份
area_name	String	地区名称
role	Number	角色 枚举值如下： 10 招采单位/建设单位（公告类型为拟建，一般称为建设单位） 20 代理单位 30 中标单位 40 中标候选人 50 其他相关企业

6、代码示例

6.1 响应参数示例

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{
  "status": "200",
  "message": "操作成功",
  "sign": "aa406860853197209a65c152fa253f00",
  "data": {
    "total": 49,
    "nums": 20,
    "items": [
      {
        "id": "60fbbe1a8ac1f13c1a3cbe51",
        "title": "S1 外圈（上川路跨线桥~迎宾立交）道路及排水管道养护维修工程监理中
        标公告",
        "type": "中标公告",
        "date": "2021-03-05",
```

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"tender": "[{"name": "上海市浦东新区公路管理署", "contacts": [], "phones": [],
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"agency": "[{"contacts": ["张 小 俊", "王 鑫"], "phones": ["50325566",
"50388257", "50388257"], "address": ["浦东新区金业路 399 号", "浦东新区环科路 515 号 1 号
楼 1214 室"], "email": [], "name": "上海宣宏项目管理咨询有限公司", "eid":
"d7ca94f2-7210-4d83-84a5-6bf2f9b582b7"}]",
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"3d2ed0f1-f037-4380-8204-d585c421e64e"}]",
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"status": "中标",
"province": "31",
"area_name": "上海市"
},
{
"id": "6075a92a3d2430daaade46bd",
"title": "2020 年浦东新区公路桥梁定期检测的中标公告",
"type": "中标公告",
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"tender": "[{"name": "上海市浦东新区公路管理署", "contacts": [], "phones": [],
"address": [], "email": [], "eid": "c123c5a3-744a-4eaf-8638-ff39dc50f661"}]",
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"phones": [], "address": [], "email": [], "project_bid_money": "\", "eid":
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"status": "中标",
"province": "22",
"area_name": "吉林省"
},
{
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"title": "浦东新区市政养护协同监管大数据平台",
"type": "招标公告",
"date": "2020-09-17",
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"phones": [], "address": [], "email": [], "eid": "e7c92e2e-f188-11e9-8ce2-00163e0d7703"}]",
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"province": "31",
"area_name": "上海市"
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{
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  "title": "锦绣路（川杨河一御桥路）绿化改造提升工程",
  "type": "招标公告",
  "date": "2020-09-01",
  "tender": "[{"name": "上海市浦东新区公路管理署", "contacts": [], "phones": [],
  "address": [], "email": [], "eid": "c123c5a3-744a-4eaf-8638-ff39dc50f661"}],
  "agency": [{"contacts": ["李佳锋"], "phones": [], "address": [], "email": [],
  "name": "上海锐天建设项目咨询有限公司", "eid":
  "366ceb26-39f4-4a0b-9162-4570df0f1411"}],
  "winner": "",
  "proj_num": "SHXM-00-20200810-0686",
  "status": "招标",
  "province": "31",
  "area_name": "上海市"
},
{
  "id": "6076f65f26c3f5fa8ed5d6bc",
  "title": "视频会议系统更新中视频会议系统更新的失败公告",
  "type": "中标公告",
  "date": "2020-08-31",
  "tender": [{"name": "上海市浦东新区公路管理署", "contacts": [], "phones": [],
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{
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    {  
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      "status": "招标",  
      "province": "31",  
      "area_name": "上海市"  
    },  
    {  
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      "title": "2020 年交通设施完善养护维修工程",  
      "type": "招标公告",  
      "date": "2020-08-11",  
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      "area_name": "上海市"  
    },  
    {  
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      "title": "'三高'地区（g1501（航津路跨线桥-赵家沟桥）内圈、大同路（浦东北路-  
上海炼油厂））养护综合整治工程中标公示",  
      "type": "中标公告",  
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"phones": [], "address": [], "email": [], "eid": "d7ca94f2-7210-4d83-84a5-6bf2f9b582b7"}],  
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[], "eid": "319aad76-c96c-430f-b5dc-75f91977c629", "address": [], "email": [],  
"project_bid_money": 0.4386}],  
      "proj_num": "01-19-42719, 项目总金额",  
      "status": "中标",  
      "province": "31",  
    }  
  ]  
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"area_name": "浦东新区"
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{
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  "title": "2019 年道路专项养护整治工程中标公示",
  "type": "中标公告",
  "date": "2020-08-08",
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  "project_bid_money": 0.19}],
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  "status": "中标",
  "province": "31",
  "area_name": "浦东新区"
},
{
  "id": "6076d9352a0d7bb8325ebc0b",
  "title": "申江南路（下盐路-沪南公路）、军民公路（申江路-康桥东路）道路及排水
管道养护维修工程中标公示",
  "type": "中标公告",
  "date": "2020-08-08",
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  "phones": [], "address": [], "email": [], "eid": "d7ca94f2-7210-4d83-84a5-6bf2f9b582b7"}]",
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  "project_bid_money": 0.365}],
  "proj_num": "01-19-42680, 项目总金额",
  "status": "中标",
  "province": "31",
  "area_name": "浦东新区"
},
{
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  "title": "2020 高架道路桥梁结构定期检测",
  "type": "招标公告",
  "date": "2020-08-05",
  "tender": [{"name": "上海市浦东新区公路管理署", "contacts": [], "phones": [],
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  "agency": [{"contacts": ["苏练兵"], "phones": [], "address": [], "email": [],
  "name": "上海社发项目管理服务有限公司", "eid":
  "3fce44cb-cd05-476e-be96-b09e1528f20a"}]",
  "winner": [],
  "proj_num": "SHXM-00-20200709-0973",
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},
{
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  "title": "2020 年浦东新区公路桥梁定期检测（第二批）",
  "type": "招标公告",
  "date": "2020-08-04",
  "tender": "[{"name": "上海市浦东新区公路管理署", "contacts": [], "phones": [],
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  "agency": [{"contacts": ["苏练兵"], "phones": [], "address": [], "email": [],
  "name": "上海社发项目管理服务有限公司", "eid":
  "3fce44cb-cd05-476e-be96-b09e1528f20a"}]",
  "winner": "",
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  "status": "招标",
  "province": "31",
  "area_name": "上海市"
},
{
  "id": "60fd763f51661cfebf3c40a5",
  "title": "2020 年浦东新区公路桥梁定期检测（第一批）",
  "type": "招标公告",
  "date": "2020-08-04",
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  "agency": [{"contacts": ["苏练兵"], "phones": [], "address": [], "email": [],
  "name": "上海社发项目管理服务有限公司", "eid":
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  "winner": "",
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  "status": "招标",
  "province": "31",
  "area_name": "上海市"
},
{
  "id": "6077bb81c1129ff7731e8558",
  "title": "2019 年桥梁加固养护维修工程",
  "type": "招标公告",
  "date": "2020-06-29",
  "tender": [{"name": "上海市浦东新区公路管理署", "contacts": [], "phones": [],
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  "agency": [{"name": "上海宣宏项目管理咨询有限公司", "contacts": [],
  "phones": [], "address": [], "email": [], "eid": "d7ca94f2-7210-4d83-84a5-6bf2f9b582b7"}]",
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  "proj_num": "1902PD0574V01",
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"province": "31",
"area_name": "浦东新区"
},
{
  "id": "607428eca14f98f247306011",
  "title": "上海市浦东新区政府采购中心-浦东新区公路干线、县道及高架综合养护项目（包件 1~12）中标公告",
  "type": "中标公告",
  "date": "2020-06-18",
  "tender": "[{"name": "上海市浦东新区公路管理署", "contacts": [], "phones": [], "address": [], "email": [], "eid": "c123c5a3-744a-4eaf-8638-ff39dc50f661"}]",
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  "winner": "",
  "proj_num": "-",
  "status": "中标",
  "province": "31",
  "area_name": "浦东新区"
},
{
  "id": "607460c65b0a9b54481a0d58",
  "title": "浦东新区公路干线县道及高架综合养护项目的延期公告",
  "type": "招标公告",
  "date": "2020-06-15",
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  "proj_num": "-",
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  "province": "31",
  "area_name": "浦东新区"
},
{
  "id": "6078771ab43d0e8af7773b30",
  "title": "浦东新区公路干线县道及高架综合养护项目澄清公告",
  "type": "招标公告",
  "date": "2020-05-19",
  "tender": [{"name": "上海市浦东新区公路管理署", "contacts": [], "phones": [], "address": [], "email": [], "eid": "c123c5a3-744a-4eaf-8638-ff39dc50f661"}]",
  "agency": [{"name": "上海市浦东新区政府采购中心", "contacts": [], "phones": [], "address": [], "email": [], "eid": "e7c92e2e-f188-11e9-8ce2-00163e0d7703"}]",
  "winner": "",
  "proj_num": "SHXM-01-20191218-1554",
  "status": "变更",
  "province": "31",
  "area_name": "浦东新区"
}
```

```

    },
    {
      "id": "607b559567bc5c0d644f796a",
      "title": "上海市浦东新区政府采购中心-浦东新区公路干线县道及高架综合养护项目的澄清公告",
      "type": "招标公告",
      "date": "2020-05-19",
      "tender": "[{"name": "上海市浦东新区公路管理署", "contacts": [], "phones": [], "address": [], "email": [], "eid": "c123c5a3-744a-4eaf-8638-ff39dc50f661"}]",
      "agency": "[{"name": "上海市浦东新区政府采购中心", "contacts": [], "phones": [], "address": [], "email": [], "eid": "e7c92e2e-f188-11e9-8ce2-00163e0d7703"}]",
      "winner": "[]",
      "proj_num": "SHXM-01-20191218-1554",
      "status": "变更",
      "province": "31",
      "area_name": "浦东新区"
    },
    {
      "id": "607a515cae373a0e52fcb289",
      "title": "上海市浦东新区政府采购中心-浦东新区公路干线县道及高架综合养护项目的第五次延期公告",
      "type": "招标公告",
      "date": "2020-04-22",
      "tender": "[{"name": "上海市浦东新区公路管理署", "contacts": [], "phones": [], "address": [], "email": [], "eid": "c123c5a3-744a-4eaf-8638-ff39dc50f661"}]",
      "agency": "[{"name": "上海市浦东新区政府采购中心", "contacts": [], "phones": [], "address": [], "email": [], "eid": "e7c92e2e-f188-11e9-8ce2-00163e0d7703"}]",
      "winner": "[]",
      "proj_num": "SHXM-01-20191218-1554",
      "status": "变更",
      "province": "31",
      "area_name": "浦东新区"
    }
  ]
}
}
}

```

7、响应参数加密对接说明

我们的加密方式使用 MD5 进行 sign 签名验证，以此来杜绝信息篡改的发生。开发人员可根据实际需要自主选择是否加密。

加密对接说明：

1) 将响应数据的 data 中内容 (key value)，转换为扁平格式化，得到只有一层深度的 json data 数据扁平格式化规则

a. 将每一级的 key 的返回值通过 “.” 连接，数组则加上用序号连接（从 0 开始），得到只有一层深度的 json

b. 将 value 为基础数据类型 (number, string, boolean 等) 的强制转换成 string 类型

c. 将 value 为“空数组”转换成“[]”，“空对象”转换成“{}”

2) 将处理后的 json 键值对的 key 和 value 用“=”连接，key 按照字典序排序后，键值对之间用“&”符号连接

3) 将第 2 步得到的字符串拼接上“&secret_key=\${secret_key}”

4) 将第 3 步得到的字符串，进行 md5 计算，得到最终的签名

5) 将第 4 步得到的签名，和响应结果中的 sign 字段进行字符串比较，相等则验签通过

6) 示例：

扁平化处理前：

```
json
{
  "key1": {
    "keyA": "value1"
  },
  "key2": {
    "keyB": true
  },
  "key3": [
    {
      "key4": 1,
      "key5": []
    }
  ]
}
```

扁平化处理后：

```
{
  "key1.keyA": "value1",
  "key2.keyB": "true",
  "key3.0.key4": "1",
  "key3.0.key5": "[]"
}
...
```

加密原文：

```
key1.keyA=value1&key2.keyB=true&key3.0.key4=1&key3.0.key5=[]&secret_key=${secret_key}
sign=MD5(key1.keyA=value1&key2.keyB=true&key3.0.key4=1&key3.0.key5=[]&secret_key=${secret_key})
```

开发人员可按照上述加密方式对响应参数进行加密，并且与返回的 sign 值进行比对，比对一致则说明响应参数未被篡改。

8、附录

8.1 附录 A：错误码参照 (error_code)

返回结果	描述
------	----

200	查询成功
201	查询无结果
213	调用次数超过今日额度限制
207	查询错误，请联系技术人员
208	参数名错误或参数为空
209	接口查询异常，请联系技术人员
101	Appkey 无效
102	账户余额不足
103	appkey 被停用
104	IP 未授权
105	未授权调用该接口
109	接口被停用等其他状态

8.2 附录 B：省份字段参照

省份	字母缩写代码	数字缩写代码
安徽	AH	34
北京	BJ	11
国家工商总局	CN	无
重庆	CQ	50
福建	FJ	35
广东	GD	44
甘肃	GS	62
广西	GX	45
贵州	GZ	52
海南	HAINAN	46
河北	HB	13
黑龙江	HLJ	23
河南	HN	41
湖北	HUBEI	42
湖南	HUNAN	43
吉林	JL	22
江苏	JS	32
江西	JX	36
辽宁	LN	21
内蒙古	NMG	15
宁夏	NX	64
青海	QH	63
四川	SC	51
山东	SD	37

上海	SH	31
陕西	SHANXI	61
山西	SX	14
天津	TJ	12
新疆	XJ	65
西藏	XZ	54
浙江	ZJ	33