[diOne配置平台接口说明 2](#_Toc470541039)

[一、 环境说明 2](#_Toc470541040)

[二、 输入参数 2](#_Toc470541041)

[三、 输出参数 2](#_Toc470541042)

[四、 接口说明 2](#_Toc470541043)

[ 查询业务列表 2](#_Toc470541044)

[ 根据业务ID查询业务 4](#_Toc470541045)

[ IP查询主机 5](#_Toc470541046)

[ 分布模块ID查询主机 6](#_Toc470541047)

[ 分布SetID查询主机 7](#_Toc470541048)

[ 业务ID查询主机 8](#_Toc470541049)

[ 根据appid查询业务的分布拓扑树 9](#_Toc470541050)

[ 查询业务下的所有模块 11](#_Toc470541051)

[ 查根据set属性查询主机 11](#_Toc470541052)

[ 查根据set属性查询模块 12](#_Toc470541053)

[ 获取所有set属性 13](#_Toc470541054)

[ 根据set属性获取set 15](#_Toc470541055)

[ 获取userName有权限的业务 16](#_Toc470541056)

[ 新增云平台 16](#_Toc470541057)

[ 删除云平台 17](#_Toc470541058)

[ 查询云平台 17](#_Toc470541059)

[ 更新主机云平台 18](#_Toc470541060)

[ 更新主机proxy状态 18](#_Toc470541061)

[ 根据appId更新主机 19](#_Toc470541062)

[ 获取Company下proxy列表 19](#_Toc470541063)

[ 根据角色获取业务 20](#_Toc470541064)

[ 获取属性列表 21](#_Toc470541065)

[ 根据主机属性的值group主机列表 22](#_Toc470541066)

[五、 错误信息列表 23](#_Toc470541067)

2016.12.26

# DiOne配置平台接口说明

## 环境说明

环境配置详见【README.md】

## 输入参数

1. 接口都采用post form-data的方式传递参数

## 输出参数

1. 输出格式统一为json
2. 正确返回json的形式一般是这样的：

{

code: 0

}

1. 错误返回json的形式一般是这样的：

{

"code": "0004",

"msg": "ApplicationID Illegal",

"extmsg": "非法的业务Id"

}

## 接口说明

### 查询业务列表

接口地址：/api/App/getapplist

请求方式：POST

参数列表：

无

参数说明：

返回数据格式：

{ "code": 0, "data": [ { "ApplicationID": "996", "ApplicationName": "资源池", "Creator": "示例公司", "CreateTime": "2016-03-07 15:14:37", "Default": "1", "DeptName": "", "Description": "", ...... }

]

}

### 根据业务ID查询业务

接口地址：/api/App/getAppByID

请求方式：POST

参数列表：

|  |  |  |
| --- | --- | --- |
| ApplicationID | 业务ID,分割 | 必填 |

参数说明：

返回数据格式：

{

"code": 0,

"data": [

{

"ApplicationID": "1",

"ApplicationName": "资源池",

"Creator": "公司名称",

"CreateTime": "2016-12-15 18:17:55",

"Default": "1",

"DeptName": "",

"Description": "",

"Display": "1",

"GroupName": "",

"LifeCycle": "",

"Maintainers": "公司名称",

"LastTime": "2016-12-15 18:17:55",

"Level": "2",

"Owner": "公司名称",

"ProductPm": "",

"Type": "0",

"Source": "0",

"CompanyID": "0",

"BusinessDeptName": ""

}

]

}

### IP查询主机

接口地址：/api/Host/gethostlistbyip

请求方式：POST

参数列表：

|  |  |  |
| --- | --- | --- |
| ApplicationID | 业务ID | 选填 |
| IP | 主机IP(内网IP或外网IP) | 必选 |
| platId | 平台Id | 选填 |

返回数据格式：

{

"code": 0,

"data": [

{

"ApplicationID": "997",

"SetID": "1187",

"ModuleID": "2105",

"HostID": "1",

"AssetID": "pc-8caade00023acfa122a5f36aee26ae98",

"HostName": "a",

"DeviceClass": "",

"Operator": "",

"BakOperator": "",

"InnerIP": "10.126.84.10",

"OuterIP": "10.126.84.10",

"Status": "",

"CreateTime": "1970-01-01 00:00:00",

"HardMemo": "",

"Region": "",

"OSName": "",

"IdcName": "",

"ApplicationName": "bbb",

"SetName": "",

"ModuleName": "空闲机"

}

]

}

### 分布模块ID查询主机

接口地址：/api/Host/getmodulehostlist

请求方式：POST

参数列表：

|  |  |  |
| --- | --- | --- |
| ApplicationID | 业务ID | 必选 |
| ModuleID | 分布模块ID | 必选 |

返回数据格式：

{

"code": 0,

"data": [

{

"ApplicationID": "997",

"SetID": "1187",

"ModuleID": "2105",

"HostID": "2",

"AssetID": "pc-e23675fcbe954635f8b860a172b423c3",

"HostName": "b",

"DeviceClass": "",

"Operator": "",

"BakOperator": "",

"InnerIP": "10.126.84.11",

"OuterIP": "10.126.84.11",

"Status": "",

"CreateTime": "1970-01-01 00:00:00",

"Mem": "0",

"HardMemo": "",

"Source": "3",

"OSName": "",

"IdcName": "",

"Region": "",

"ApplicationName": "bbb",

"SetName": "",

"ModuleName": "空闲机"

}

]

}

### 分布SetID查询主机

接口地址：/api/Host/getsethostlist

请求方式：POST

参数列表：

|  |  |  |
| --- | --- | --- |
| ApplicationID | 业务ID | 必选 |
| SetID | 分布SetID | 必选 |

返回数据格式：

{

"code": 0,

"data": [

{

"ApplicationID": "997",

"SetID": "1187",

"ModuleID": "2105",

"HostID": "2",

"AssetID": "pc-e23675fcbe954635f8b860a172b423c3",

"HostName": "b",

"DeviceClass": "",

"Operator": "",

"BakOperator": "",

"InnerIP": "10.126.84.11",

"OuterIP": "10.126.84.11",

"Status": "",

"CreateTime": "1970-01-01 00:00:00",

"HardMemo": "",

"Region": "",

"OSName": "",

"IdcName": "",

"ApplicationName": "bbb",

"SetName": "",

"ModuleName": "空闲机"

}

]

}

### 业务ID查询主机

接口地址：/api/Host/getapphostlist

请求方式：POST

参数列表：

|  |  |  |
| --- | --- | --- |
| ApplicationID | 业务ID | 必选 |

返回数据格式：

{

"code": 0,

"data": [

{

"ApplicationID": "997",

"SetID": "1187",

"ModuleID": "2105",

"HostID": "2",

"AssetID": "pc-e23675fcbe954635f8b860a172b423c3",

"HostName": "b",

"DeviceClass": "",

"Operator": "",

"BakOperator": "",

"InnerIP": "10.126.84.11",

"OuterIP": "10.126.84.11",

"Status": "",

"CreateTime": "1970-01-01 00:00:00",

"HardMemo": "",

"Region": "",

"OSName": "",

"IdcName": "",

"ApplicationName": "bbb",

"SetName": "",

"ModuleName": "空闲机"

}

]

}

### 根据appid查询业务的分布拓扑树

请求地址：/api/TopSetModule/getappsetmoduletreebyappid

输入参数说明：

|  |  |  |
| --- | --- | --- |
| ApplicationID | 业务ID | 必选 |

响应信息：

成功：

{

"code": 0,

"data": {

"ApplicationID": "997",

"ApplicationName": "bbb",

"Creator": "admin",

"CreateTime": "2016-03-07 15:43:28",

"Default": "0",

"DeptName": "示例公司",

"Description": "",

"Display": "1",

"GroupName": "",

"LifeCycle": "公测",

"Maintainers": "owenlxu;admin",

"LastTime": "2016-03-08 05:09:42",

"Level": "2",

"Owner": "示例公司",

"ProductPm": "admin",

"Type": "0",

"Source": "",

"CompanyID": "0",

"BusinessDeptName": "",

"Children": [

{

"SetID": "1187",

"ApplicationID": "997",

"Default": "1",

"Capacity": "0",

"CreateTime": "1970-01-01 00:00:00",

"ChnName": "",

"Description": "",

"EnviType": "",

"LastTime": "2016-03-07 15:43:28",

"ParentID": "0",

"SetName": "空闲机池",

"ServiceStatus": "",

"Openstatus": "",

"Children": [

{

"ModuleID": "2105",

"ApplicationID": "997",

"BakOperator": "",

"CreateTime": "1970-01-01 00:00:00",

"Default": "1",

"Description": "",

"LastTime": "2016-03-07 15:43:28",

"ModuleName": "空闲机",

"Operator": "",

"SetID": "1187",

"HostNum": 0

},

{

"ModuleID": "2119",

"ApplicationID": "997",

"BakOperator": "admin",

"CreateTime": "2016-03-08 18:36:48",

"Default": "0",

"Description": "",

"LastTime": "2016-03-08 18:36:48",

"ModuleName": "aaaa",

"Operator": "admin",

"SetID": "1187",

"HostNum": 0

}

]

}

]

}

}

### 查询业务下的所有模块

请求地址：/api/Module/getmodules

输入参数说明：

|  |  |  |
| --- | --- | --- |
| ApplicationID | 业务ID | 必选 |

响应信息：

成功：

{

"code": 0,

"data": [

"空闲机",

"aaaa"

]

}

### 查根据set属性查询主机

请求地址：/api/set/gethostsbyproperty

输入参数说明：

|  |  |  |
| --- | --- | --- |
| ApplicationID | 业务ID | 必选 |
| SetID | 大区ID，选填传多个,分割 | 选填 |
| SetEnviType | Set环境类型，选填，传多个,分割 | 选填 |
| SetServiceStatus | Set开放状态，选填，传多个,分割 | 选填 |
| ModuleName | 模块名，选填，传多个,分割 | 选填 |

响应信息：

成功：

{

"code": 0,

"data": [

{

"InnerIP": "10.126.84.11",

"OuterIP": "10.126.84.11",

"Source": "3",

"HostID": "2"

}

]

}

### 查根据set属性查询模块

请求地址：/api/Set/getmodulesbyproperty

输入参数说明：

|  |  |  |
| --- | --- | --- |
| ApplicationID | 业务ID | 必选 |
| SetID | 大区ID，选填传多个,分割 | 选填 |
| SetEnviType | Set环境类型，选填，传多个,分割 | 选填 |
| SetServiceStatus | Set开放状态，选填，传多个,分割 | 选填 |

响应信息：

成功：

{

"code": 0,

"data": [

{

"ModuleID": "1",

"ApplicationID": "1",

"BakOperator": "",

"CreateTime": "2016-12-15 18:17:55",

"Default": "1",

"Description": "",

"LastTime": "2016-12-15 18:17:55",

"ModuleName": "空闲机",

"Operator": "",

"SetID": "1"

}

]

}

### 获取所有set属性

请求地址：/api/Set/getsetproperty

输入参数说明：

无

响应信息：

{

"code": 0,

"data": {

"SetEnviType": [

{

"Property": "2",

"value": "开放4"

},

{

"Property": "3",

"value": "开放4"

}

],

"SetServiceStatus": [

{

"Property": "0",

"value": "开放4"

},

{

"Property": "1",

"value": "开放5"

},

{

"Property": "5",

"value": "开放67"

},

{

"Property": "6",

"value": "开放779"

}

]

}

}

### 根据set属性获取set

请求地址：/api/Set/getsetsbyproperty

输入参数说明：

|  |  |  |
| --- | --- | --- |
| ApplicationID | 业务ID | 必选 |
| SetEnviType | Set类型 | 非必选 |
| SetServiceStatus | Set服务状态 | 非必选 |

成功：

{

"code": 0,

"data": [

{

"SetID": "1187",

"SetName": "空闲机池"

}

]

}

### 获取userName有权限的业务

请求地址：/api/App/getappbyuin

输入参数说明：

|  |  |  |
| --- | --- | --- |
| userName | API账号 | 必选 |

响应信息：

**请求数据成功：**

{

"code": 0,

"data": [

{

"ApplicationID": "996",

"ApplicationName": "资源池",

"Creator": "示例公司",

"CreateTime": "2016-03-07 15:14:37",

"Default": "1",

"DeptName": "",

"Description": "",

"Display": "1",

"GroupName": "",

"LifeCycle": "",

"Maintainers": "示例公司",

"LastTime": "2016-03-07 15:14:37",

"Level": "2",

"Owner": "示例公司",

"ProductPm": "",

"Type": "0",

"Source": "0",

"CompanyID": "0",

"BusinessDeptName": ""

}

]

}

### 新增云平台

请求地址：/api/Plat/add

输入参数说明：

|  |  |  |
| --- | --- | --- |
| platName | 平台名 | 必选 |

响应信息：

**请求数据成功：**

{ "code": 0, "data": 5

}

### 删除云平台

请求地址：/api/Plat/delete

输入参数说明：

|  |  |  |
| --- | --- | --- |
| platId | 平台Id | 必选 |

响应信息：

**请求数据成功：**

{ "code": 0, "data": null

}

### 查询云平台

请求地址：/api/Plat/get

输入参数说明：

响应信息：

**请求数据成功：**

**{** **"code"**: 0**,** **"data"**: **[** **{** **"platId"**: "1"**,** **"platName"**: "12332"**,** **"platCompany"**: "0" **},** **{** **"platId"**: "4"**,** **"platName**": "12398",

"platCompany": "0" }, { "platId": "5", "platName": "123", "platCompany": "0" } ]}

### 更新主机云平台

请求地址：/api/Plat/updateHost

输入参数说明：

|  |  |  |
| --- | --- | --- |
| appId | 业务Id | 必选 |
| orgPlatId | 原始平台Id | 必选 |
| ip | 主机IP | 必选 |
| dstPlatId | 目的平台Id | 必选 |

响应信息：

**请求数据成功：**

{

"code": 0,

"data": "update success"

}

### 更新主机proxy状态

请求地址：/api/Host/updateHostStatus

输入参数说明：

|  |  |  |
| --- | --- | --- |
| appId | 业务Id | 必选 |
| platId | 平台Id | 必选 |
| ip | 主机IP | 必选 |
| **status** | 主机状态 | 必选 |

响应信息：

**请求数据成功：**

{

"code": 0,

"data": "update success"

}

### 根据appId更新主机

请求地址：/api/Host/updateHostByAppId

输入参数说明：

|  |  |  |
| --- | --- | --- |
| appId | 业务Id | 必选 |
| platId | 平台Id | 必选 |
| **proxyList** | [{"InnerIP":"127.0.5.7","OuterIP":"192.23.1.2"}] | 必选 |

响应信息：

**请求数据成功：**

{

"code": 0,

"data": null

}

### 获取Company下proxy列表

请求地址：/api/Host/getIPAndProxyByCompany

输入参数说明：

|  |  |  |
| --- | --- | --- |
| appId | 业务Id | 必选 |
| platId | 平台Id | 必选 |
| ipList | 127.0.5.6,128.36.02.155 | 必选 |

响应信息：

**请求数据成功：**

{ "code": 0, "data": { "ip\_list": [ "127.0.5.6", "128.36.02.155" ], "proxy\_list": [ ], "invalid\_ips": [ ] }}

### 根据角色获取业务

请求地址：/api/User/getUserRoleApp

输入参数说明：

|  |  |  |
| --- | --- | --- |
| uin | 用户名 | 必选 |
| **roleList** | 角色列表,分割  Creator,Maintainers,Owner,ProductPm | 必选 |

响应信息：

**请求数据成功：**

{

"code": 0,

"data": {

"Creator": [

{

"ApplicationID": "2",

"ApplicationName": "示例业务",

"DeptName": "公司名称",

"Owner": "公司名称"

}

],

"Maintainers": [

{

"ApplicationID": "2",

"ApplicationName": "示例业务",

"DeptName": "公司名称",

"Owner": "公司名称"

}

]

}

}

### 获取属性列表

请求地址：/api/Property/getList

输入参数说明：

|  |  |  |
| --- | --- | --- |
| appId | 业务ID | 必选 |
| **type** | 属性类型,枚举如下：  1，2，3，4  分别是业务，集群，模块，主机 | 必选 |

响应信息：

**请求数据成功：**

{

"code": 0,

"data": {

"standard": {

"HostID": "主机ID",

"OuterIP": "外网IP",

"InnerIP": "内网IP",

"SN": "设备SN",

"AssetID": "固资编号",

"ModuleName": "模块名称",

"Source": "云区域",

"Operator": "维护人",

"BakOperator": "备份维护人",

"HostName": "主机名称",

"OSName": "操作系统",

"DeviceClass": "设备类型",

"Status": "运行状态",

"Region": "机房城市",

"Mem": "内存",

"Cpu": "Cpu",

"CreateTime": "购买时间",

"Description": "备注",

"ZoneName": "可用区",

"ZoneID": "可用区ID"

},

"customer": []

}

}

### 根据主机属性的值group主机列表

请求地址：/api/ Host/getHostListByAppidAndField

输入参数说明：

|  |  |  |
| --- | --- | --- |
| appId | 业务ID | 必选 |
| field | 主机属性字段 | 必选 |

响应信息：

**请求数据成功：**

{

"code": 0,

"data": {

"1": [

{

"InnerIP": "10.122.34.10",

"Source": "1",

"ApplicationID": "997",

"HostID": "9"

},

{

"InnerIP": "10.10.10.11",

"Source": "1",

"ApplicationID": "997",

"HostID": "15"

},

{

"InnerIP": "10.10.10.12",

"Source": "1",

"ApplicationID": "997",

"HostID": "16"

},

{

"InnerIP": "10.10.10.13",

"Source": "1",

"ApplicationID": "997",

"HostID": "17"

},

{

"InnerIP": "10.10.10.14",

"Source": "1",

"ApplicationID": "997",

"HostID": "18"

},

{

"InnerIP": "10.10.10.15",

"Source": "1",

"ApplicationID": "997",

"HostID": "19"

},

{

"InnerIP": "10.10.10.16",

"Source": "1",

"ApplicationID": "997",

"HostID": "20"

},

{

"InnerIP": "10.10.10.17",

"Source": "1",

"ApplicationID": "997",

"HostID": "21"

},

{

"InnerIP": "10.10.10.18",

"Source": "1",

"ApplicationID": "997",

"HostID": "22"

}

]

}

}

### 获取agent状态

请求地址：/api/Host/getAgentStatus

输入参数说明：

|  |  |  |
| --- | --- | --- |
| appId | 业务ID | 必选 |

响应信息：

**请求数据成功：**

{ "code": 0, "data": { "agentNorCnt": 1, "agentAbnorCnt": 2, "agentNorList": [ { "Ip": "10.240.30.6", "CompanyId": 0, "PlatId": "3" } ], "agentAbnorList": [ { "Ip": "10.240.30.7", "CompanyId": 0, "PlatId": "3" }, { "Ip": "10.240.30.8", "CompanyId": 0, "PlatId": "3" } ] }}

## 错误信息列表

|  |  |  |
| --- | --- | --- |
| code | msg | extMsg |
| **0001** | **ApplicationID Illegal** | **非法的业务id** |
| **0002** | **no app** | **没有业务** |
| **0004** | **user name illegal** | **用户id非法** |
| **0005** | **only default app exsit** | **只有默认业务** |
| **0006** | **only right to app** | **没权利访问业务** |
| **0011** | **no host** | **没有主机** |
| **0016** | **invalid input ApplicationID** | **业务id输入无效** |