

Eldev 开发接口

Eldev (以下简称 Api)此 API 主要用于 http 方式通讯的设备 如何接入 E 物联网数据。

此文档将分步对 Api 进行解析。

注: 1. 方法异常请详情见 附录

2. 文中涉及的 secToken 为账户登陆后系统自动配发 所有操作都基于此 Token 所以请在方法操作前登陆并获取

□

- ◆ **register** 上报 HTTP 方式设备信息
- ◆ **reportFieldValue** 上报设备字段值
- ◆ **ping** 检查设备连接状态

1、 register 上报 HTTP 方式设备信息

1. 方法

http://api2.elnet.cn:8080/elws/services/deviceapi/register?apiKey=2_nubnag1&deviceId=5411&port=8000

2. 参数

Name	Required	Type	description
apiKey	true	String	发送用户的唯一标识号
deviceId	true	Int	设备所属 ClientId 号
port	true	Int	设备所监听服务器请求的端口号

3. 返回参数

RegisterResponse (包含以下数据)

Name	description
ip	设备所在公网 IP
port	设备所接收服务器信息的端口

4. 返回 XML 样例

```
<ns1:registerResponse xmlns:ns1="http://olalink.com/deviceapi/">
  <errorCode>0</errorCode>
</ns1:registerResponse>
```

2、 reportFieldValue 上报设备字段值

5. 方法

http://api2.elnet.cn:8080/elws/services/deviceapi/reportFieldValue?apiKey=1_nubnagl&deviceId=1&field=arduino&value=1&encode=0

6. 参数

Name	Required	Type	description
apiKey	true	String	发送用户的唯一标识号
deviceId	true	Int	设备所属 ClientId 号
field	true	String	设备上报的 field ID 号或者 field Name
value	true	String	设备所上报的值
encode	true	int	协议格式 为 0 或者 1 0 表示使用名称-数值格式(此时 field 应为 field name) 1 表示使用为数字-数字格式(此时 field 应为 field ID)

7. 返回参数

RegisterResponse (包含以下数据)

Name	description
errorCode	具体参见附录

8. 返回 XML 样例

```
<ns1:reportFieldValue xmlns:ns1="http://olalink.com/deviceapi/">  
  <errorCode>0</errorCode>  
</ns1:reportFieldValue >
```

3、 ping 检查设备连接状态

9. 方法

http://api2.elnet.cn:8080/elws/services/deviceapi/reportFieldValue?apiKey=1_nubnagl&deviceId=1

10. 参数

Name	Required	Type	description
apiKey	true	String	发送用户的唯一标识号
deviceId	true	Int	设备所属 ClientId 号

11. 返回参数

PingResponse (包含以下数据)

Name	description
errorCode	具体参见附录

12. 返回 XML 样例

```
<ns1: pingResponse xmlns:ns1="http://olalink.com/deviceapi/">  
  <errorCode>0</errorCode>  
</ns1: pingResponse>
```

附录:

以上所有方法如果有异常 会抛出以下格式错误

例:

```
<ns1:sysLoginResponse xmlns:ns1="http://api2.elnet.cn/elwsapi/">
  <errorCode>1001</errorCode>
  <errorMsg>Invalid login name or password</errorMsg>
</ns1:sysLoginResponse>
```

errorCode 为错误编码

errorMsg 为错误信息描述

详细 code 及 Msg 请参见附表 1

附表 1

errorCode	errorMsg
0	Succeed
1	Rejected
1001	Invalid login name or password
1002	The login name does not exist
1008	Name has already been used in database
1009	Device does not exists
1010	Device is currently associated with different user account
1011	User does not exist
1012	The device type is used by attribute definition. It could not be deleted
1013	The alert does not exist
1014	The device type does not exist
1015	The database err: foreign key violation
1016	Invalid user internal ID
1017	Name is required
1018	Internal database error
1019	The user is not a system user
1020	Name has already been used and can not be deleted
1021	The client for the services is not logged in.
1022	The device property is not available.
1023	The permission denied.
1024	Invalid object ID
1025	Invalid object field ID
1026	Invalid object field name
1027	Object does not exist
1028	There is no object found
1029	There is no class found
1030	The object is not a device
1031	There is no field found

1032	There is no alert found
1033	The data source is invalid
1034	The conversion is not supported
1035	The alert id or object id is required
1036	The data format is invalid
1037	The device does not connect to server
1038	The device rejects the request
1039	Invalid security token
1040	The air conditioner type is not known
1041	The device is not registered in core server
1042	The scheduled task does not exist
1043	The object has already exist
1100	Request time out
1101	The web services internal connection error
1200	Fail to connect to the web services
1201	Not login to the web services
1900	Database query error
1901	Interface is not supported
1902	Internal error