长庆第三方接口对接

文档主要分成两部分内容：1、接口资料整理；2、开发需求

1. 接口资料整理

本次对接主要对接数据采集与展示，控制功能与逻辑暂不安排；

对方第三方接口主要有三个功能码，所有对接全部基于此三个功能码：

[功能码1]

服务器连接测试

URL:http://192.10.3.80:9510/seipher?t1=user3d&t2=user3d&t3=1&t4=0&t5=0&t6=0

返回：RQOK

[功能码2]

提取所有站的信息（编号，名称）

URL:http://192.10.3.80:9510/seipher?t1=user3d&t2=user3d&t3=2&t4=0&t5=0&t6=0

返回：{"bodysubject":[{"idnum":"00001","sname":"华池110kV变电站"},{"idnum":"00002","sname":"杨湾35kV变电站"},{"idnum":"00003","sname":"实训基地"},{"idnum":"00004","sname":"环江110kV变电站"},{"idnum":"00007","sname":"榆树35kV变电站"},{"idnum":"00008","sname":"侯市35kV变电站"},{"idnum":"00009","sname":"靖南35kV变电站"},{"idnum":"00010","sname":"王南35kV变电站"},{"idnum":"00011","sname":"大路沟35kV变电站"},{"idnum":"00012","sname":"王庄35kV变电站"},{"idnum":"00013","sname":"油房庄110kV变电站"},{"idnum":"00014","sname":"宗新庄35kV变电站"},{"idnum":"00015","sname":"马岭110kV变电站"},{"idnum":"00005","sname":"郝阳35kV变电站"},{"idnum":"00006","sname":"巴山35kV变电站"}],"iState":0,"erryMsg":""}

[功能码3]

提取指定站所的的数据信息，此处要注意，需要在服务程序中修改参数使能用，后刷新数据表，目前所有参数为禁用状态

URL:http://192.10.3.80:9510/seipher?t1=user3d&t2=user3d&t3=3&t4=00005&t5=0&t6=0

返回：{"bodydata":[{"idnum":"000604","dataname":"主控室温度1","aname":"","datatype":"2","iotype":"2","value":"0.00","unit":"℃","enhist":"1","subject":"郝阳35kV变电站"},{"idnum":"000605","dataname":"主控室湿度1","aname":"","datatype":"2","iotype":"2","value":"0.00","unit":"％","enhist":"1","subject":"郝阳35kV变电站"},{"idnum":"000606","dataname":"主控室有机物1","aname":"","datatype":"2","iotype":"2","value":"0.00","unit":"ug","enhist":"1","subject":"郝阳35kV变电站"},{"idnum":"000724","dataname":"探照灯1启动","aname":"","datatype":"0","iotype":"1","value":"0","unit":"","enhist":"0","subject":"郝阳35kV变电站"},{"idnum":"000725","dataname":"探照灯1关闭","aname":"","datatype":"0","iotype":"1","value":"0","unit":"","enhist":"0","subject":"郝阳35kV变电站"},{"idnum":"000726","dataname":"探照灯2启动","aname":"","datatype":"0","iotype":"1","value":"0","unit":"","enhist":"0","subject":"郝阳35kV变电站"},{"idnum":"000727","dataname":"探照灯2关闭","aname":"","datatype":"0","iotype":"1","value":"0","unit":"","enhist":"0","subject":"郝阳35kV变电站"},{"idnum":"000728","dataname":"主控室照明启动","aname":"","datatype":"0","iotype":"1","value":"0","unit":"","enhist":"0","subject":"郝阳35kV变电站"},{"idnum":"000729","dataname":"主控室照明关闭","aname":"","datatype":"0","iotype":"1","value":"0","unit":"","enhist":"0","subject":"郝阳35kV变电站"},{"idnum":"000730","dataname":"高压室照明启动","aname":"","datatype":"0","iotype":"1","value":"0","unit":"","enhist":"0","subject":"郝阳35kV变电站"},{"idnum":"000731","dataname":"高压室照明关闭","aname":"","datatype":"0","iotype":"1","value":"0","unit":"","enhist":"0","subject":"郝阳35kV变电站"},{"idnum":"000732","dataname":"高压室风机启动","aname":"","datatype":"0","iotype":"1","value":"0","unit":"","enhist":"0","subject":"郝阳35kV变电站"},{"idnum":"000733","dataname":"高压室风机关闭","aname":"","datatype":"0","iotype":"1","value":"0","unit":"","enhist":"0","subject":"郝阳35kV变电站"}],"iState":0,"erryMsg":""}

本次接入变电站站点共计16个，每个站点的唯一id对应：idnum，名称对应：sname 测点；下面是16站点定义：

|  |  |  |  |
| --- | --- | --- | --- |
| 变电站 idnum 编号 | | | |
| 序号 | 站点名称 | idnum | sname |
| 1 | 华池110kV变电站 | 00001 | 华池110kV变电站 |
| 2 | 杨湾35kV变电站 | 00002 | 杨湾35kV变电站 |
| 3 | 实训基地 | 00003 | 实训基地 |
| 4 | 环江110kV变电站 | 00004 | 环江110kV变电站 |
| 5 | 郝阳35kV变电站 | 00005 | 郝阳35kV变电站 |
| 6 | 巴山35kV变电站 | 00006 | 巴山35kV变电站 |
| 7 | 榆树35kV变电站 | 00007 | 榆树35kV变电站 |
| 8 | 侯市35kV变电站 | 00008 | 侯市35kV变电站 |
| 9 | 靖南35kV变电站 | 00009 | 靖南35kV变电站 |
| 10 | 王南35kV变电站 | 00010 | 王南35kV变电站 |
| 11 | 大路沟35kV变电站 | 00011 | 大路沟35kV变电站 |
| 12 | 王庄35kV变电站 | 00012 | 王庄35kV变电站 |
| 13 | 油房庄110kV变电站 | 00013 | 油房庄110kV变电站 |
| 14 | 宗新庄35kV变电站 | 00014 | 宗新庄35kV变电站 |
| 15 | 马岭110kV变电站 | 00015 | 马岭110kV变电站 |
| 16 | 周庄35kV变电所 | 00016 | 周庄35kV变电所 |

16个站点所有设备测点定义详见附件：水电厂点位信息.excel

1. 开发需求

需将第三方平台数据接入迈世集中管理平台-长庆石油定制版。

第三方平台测点需按照迈世集中管理平台设备分类模式添加，按照温湿度传感器、有机物传感器、漏水传感器、电量表、备自投设备、空调、液位传感器、照明、风机、水泵、浮球、电暖器、备用设备（断路器）；其中照明、风机、水泵组成照明风机系统，液位传感器、浮球组成集水系统，电暖器、备用设备组成配电回路系统；

温湿度传感器测点：温度 、湿度

有机物传感器测点：有机物

电量表测点： 电量表A相电压

电量表B相电压

电量表C相电压

电量表AB线电压

电量表BC线电压

电量表CA线电压

电量表A相电流

电量表B相电流

电量表C相电流

电量表总功率因数

电量表A相功率因数

电量表B相功率因数

电量表C相功率因数

电量表总有功功率

电量表A相有功功率

电量表B相有功功率

电量表C相有功功率

电量表总无功功率

电量表A相无功功率

电量表B相无功功率

电量表C相无功功率

电量表有功电度

备自投设备测点：备自投常用A相电压

备自投常用B相电压

备自投常用C相电压

备自投备用A相电压

备自投备用B相电压

备自投备用C相电压

备自投常用合闸

备自投备用合闸

备自投双分位置

备自投远程状态

备自投常用A相欠压

备自投常用A相过压

备自投常用B相欠压

备自投常用B相过压

备自投常用C相欠压

备自投常用C相过压

备自投备用A相欠压

备自投备用A相过压

备自投备用B相欠压

备自投备用B相过压

备自投备用C相欠压

备自投备用C相过压

备自投常用欠压调整值

备自投常用过压调整值

备自投备用欠压调整值

备自投备用过压调整值

备自投工作模式

漏水传感器测点：漏水状态

空调测点：空调温度

空调湿度

空调状态  
照明风机系统： 探照灯1状态

探照灯2状态

主控室照明状态

高压室照明状态

风机运行状态

水泵运行状态

探照灯1手自动状态

探照灯2手自动状态

主控室照明手自动状态

高压室照明手自动状态

高压室风机手自动状态

水泵手自动状态

配电回路系统：备用1运行状态

备用2运行状态

备用3运行状态

备用4运行状态

电暖器1运行状态

电暖器2运行状态

集水系统： 上浮球开关状态

下浮球开关状态

集水池液位