先调该接口查询服务IP、端口号、和车辆段信息，再调websocket服务

### 查询服务IP、端口号、场段名称

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| --- | --- | --- |
| 乘查询服务IP、端口号、场段等 | | |
| URL | http://localhost:8080/DTCGCW/zhxxtServer/zhxxtServerBean/findIpAndCd.action | |
| 请求方式 | POST | |
| 参数 |  |  |
|  |  |
| 返回实例 | {  {  “webIp”:”10.2.4.228”,  “idx”:”afdsfdsddfwszsdfwdsasdfwfdses542”,  “cname”:”蒲汇塘车辆段”,  “port”:”8080”,  “xl”:”04号线”,  “xlidx”:”afdsfdsddfwszsdfwdsasdfwfdses542”,  “cdbm”:”C040302”  }  } | |
| 字段意义 | data | webIp 服务器IP  Idx 车辆段id  Cname 车辆段名称  Port 服务端口  Xl 线路(多个以”,”分割)  Xlidx 线路idx(多个以”,”分割)  Cdbm 车辆段编码 |
|  |  |  |

### Websocket连接服务

js连接方式:

并把车辆段id传进来

var ws = new

WebSocket("ws://localhost:8080/DTCGCW/ZhWebSocket.ws?cdid="+cdidx);

//连接成功回调方法

ws.onopen = function(){

console.info("open");

};

//返回接收数据回调方法

ws.onmessage = function(evt){

console.info("receive data");

};

//服务关闭回调方法

ws.onclose = function(evt){

console.info("wsClosed");

};

//错误回调方法

ws.onerror = function(evt){

console.info("wsError");

};

发送数据方法:

ws.send("{\"head\":\"\",\"message\":\"\"}");

### 服务器数据有变化时，服务器主动推送有变化的数据

返回格式：

开始

[{...........},{........}]（json字符串）

结束:GetPlanBuildData(发送数据中head的值)

施工样例：

开始

[{"buildNo":"SG-001","buildDate":"2020-06-05","buildUnit":"检修一组","buildAddress":"L-3A,L-3B,L-4A,L-4B","buildContent":"股道维护","isPowerCut":"是","isBlockade":"是","currentSituation":"已开工"},{"buildNo":"SG-002","buildDate":"2020-06-05","buildUnit":"检修二组","buildAddress":"L-5A,L-5B","buildContent":"股道维护","isPowerCut":"否","isBlockade":"否","currentSituation":"销点确认中"}]

结束:GetPlanBuildData

### 得到计划施工数据(GetPlanBuildData)

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| --- | --- | --- |
| 得到计划施工数据 | | |
| 请求方式 | ws.send("{\"head\":\"GetPlanBuildData\",\"message\":\"\"}"); | |
| 返回实例 | [  {  "buildNo": "SG-001",  "buildDate": "2020-06-05 09:12:12",  "buildUnit": "检修一组",  "buildAddress": "L-3A,L-3B,L-4A,L-4B",  "buildContent": "股道维护",  "isPowerCut": "是",  "isBlockade": "是",  "currentSituation": "请点确认中"  },  {  "buildNo": "SG-002",  "buildDate": "2020-06-05 09:12:12",  "buildUnit": "检修二组",  "buildAddress": "L-5A,L-5B",  "buildContent": "股道维护",  "isPowerCut": "否",  "isBlockade": "否",  "currentSituation": "已开工"  }  ] | |
| 字段意义 | data | buildNo 施工编号  buildDate 施工时间  buildUnit 施工单位  buildAddress 施工地点  buildContent 施工内容  isPowerCut 是否断电  isBlockade 是否封锁  currentSituation 目前情况 |

### 得到日常及临时施工数据(GetUsualAndCasualBuildData)

|  |  |  |
| --- | --- | --- |
| 得到日常及临时施工数据 | | |
| 请求方式 | ws.send("{\"head\":\"GetUsualAndCasualBuildData\",\"message\":\"\"}"); | |
| 返回实例 | [  {  "buildNo": "SG-001",  "buildDate": "2020-06-05 09:12:12",  "buildUnit": "检修一组",  "buildAddress": "L-3A,L-3B,L-4A,L-4B",  "buildContent": "股道维护",  "isPowerCut": "是",  "isBlockade": "是",  "currentSituation": "请点确认中"  },  {  "buildNo": "SG-002",  "buildDate": "2020-06-05 09:12:12",  "buildUnit": "检修二组",  "buildAddress": "L-5A,L-5B",  "buildContent": "股道维护",  "isPowerCut": "否",  "isBlockade": "否",  "currentSituation": "请点确认中"  }  ] | |
| 字段意义 | data | buildNo 施工编号  buildDate 施工时间  buildUnit 施工单位  buildAddress 施工地点  buildContent 施工内容  isPowerCut 是否断电  isBlockade 是否封锁  currentSituation 目前情况 |

### 得到调车及洗车数据(GetMoveAndWashTrainData)

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| --- | --- | --- |
| 得到调车及洗车数据 | | |
| 请求方式 | ws.send("{\"head\":\"GetMoveAndWashTrainData\",\"message\":\"\"}"); | |
| 返回实例 | [  {  "moveNo": "DC-001",  "trainNo": "0401",  "oneSelfMove": "√",  "noOneSelfMove": null,  "startStationTrack": "L-5A",  "endStationTrack": "L-8A",  "currentSituation": "请点确认中"  },  {  "moveNo": "XC-002",  "trainNo": "0402",  "oneSelfMove": null,  "noOneSelfMove": "G04103",  "startStationTrack": "L-7A",  "endStationTrack": "L-13B",  "currentSituation": "销点确认中"  }  ] | |
| 字段意义 | data | moveNo 调车编号  trainNo 车号  oneSelfMove 自行走  noOneSelfMove 非自行走  startStationTrack 起始股道  endStationTrack 调入股道  currentSituation 目前情况 |

### 得到股道、车次、车号、作业数据(GetStationTrackAndTrainInfoData)

|  |  |  |
| --- | --- | --- |
| 得到股道、车次、车号、作业数据 | | |
| 请求方式 | ws.send("{\"head\":\"GetStationTrackAndTrainInfoData\",\"message\":\"\"}"); | |
| 返回实例 | [  {  "stationTrack": "L-1A",  "trianNumber": null,  "trainNo": "0401",  "work": "日检"  },  {  "stationTrack": "L-1B",  "trianNumber": null,  "trainNo": null,  "work": null  },  {  "stationTrack": "L-2A",  "trianNumber": "0101",  "trainNo": "0402",  "work": "四日检"  }  ] | |
| 字段意义 | data | stationTrack 股道  trianNumber 车次  trainNo 车号  work 作业 |

### 得到特殊路线数据(GetSpecialLineData)

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| 得到特殊路线数据 | | |
| 请求方式 | ws.send("{\"head\":\"GetSpecialLineData\",\"message\":\"\"}"); | |
| 返回实例 | [  {  "stationTrack": "调一",  "trainNoList": [  "0401",  "0402",  "0403"  ]  },  {  "stationTrack": "调二",  "trainNoList": [  "0404",  "0405",  "0406"  ]  },  {  "stationTrack": "调三",  "trainNoList": []  },  {  "stationTrack": "调四",  "trainNoList": []  },  {  "stationTrack": "调五",  "trainNoList": [  "G0401",  "G0402",  "G0403"  ]  }  ] | |
| 字段意义 | data | stationTrack 股道  trainNoList 车号集合 |

### 得到停/送电-钥匙数据(GetOutOrInBlackData)

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| --- | --- | --- |
| 得到停/送电-钥匙数据 | | |
| 请求方式 | ws.send("{\"head\":\"GetSpecialLineData\",\"message\":\"\"}"); | |
| 返回实例 | {  "tcList": [  "L-10A",  "L-10B",  "L-11A",  "L-11B",  "L-12B"  ],  "jxList": [  "L-5A",  "L-6A",  "L-7A",  "L-8A",  "L-9A"  ]  } | |
| 字段意义 | data | tcList 停车股道集合  jxList 检修股道集合 |

### 得到早计划发车数据(GetAmOutTrainData)

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| 得到早计划发车数据 | | |
| 请求方式 | ws.send("{\"head\":\"GetAmOutTrainData\",\"message\":\"\"}"); | |
| 返回实例 | [  {  "trainNumber": "10101",  "planTrainNo": "0401",  "stationTrack": "L-5A",  "planOutDate": "06:21:45",  "realTrainNo": "0401",  "realOutDate": "06:25:12",  "remark": "注意安全"  },  {  "trainNumber": "10102",  "planTrainNo": "0402",  "stationTrack": "L-6A",  "planOutDate": "06:27:45",  "realTrainNo": "0402",  "realOutDate": "06:27:45",  "remark": null  },  {  "trainNumber": "10103",  "planTrainNo": "0403",  "stationTrack": "L-7A",  "planOutDate": "06:35:45",  "realTrainNo": "0403",  "realOutDate": "06:35:45",  "remark": null  }  ] | |
| 字段意义 | data | trainNumber 车次  planTrainNo 计划车号  stationTrack 股道  planOutDate 计划出库时间  realTrainNo 实际车号  realOutDate 时间出库时间  remark 备注 |

### 得到晚计划发车数据(GetPmOutTrainData)

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| --- | --- | --- |
| 得到晚计划发车数据 | | |
| 请求方式 | ws.send("{\"head\":\"GetPmOutTrainData\",\"message\":\"\"}"); | |
| 返回实例 | 和早发车计划格式一致 | |
| 字段意义 | data | trainNumber 车次  planTrainNo 计划车号  stationTrack 股道  planOutDate 计划出库时间  realTrainNo 实际车号  realOutDate 时间出库时间  remark 备注 |

### 得到关键作用及监控数据(GetKeyWorkData)

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| 得到关键作用及监控数据 | | |
| 请求方式 | ws.send("{\"head\":\"GetKeyWorkData\",\"message\":\"\"}"); | |
| 返回实例 | {  "dcList": [  "0405",  "0406",  "0407",  "0408"  ],  "xcList": [  "0401",  "0402",  "0403",  "0404"  ],  "jcwList": [  "L-4A",  "L-5A",  "L-6A",  "L-7A"  ]  } | |
| 字段意义 | data | xcList 洗车集合  dcList 二级道岔集合  jcwList 接触网集合 |