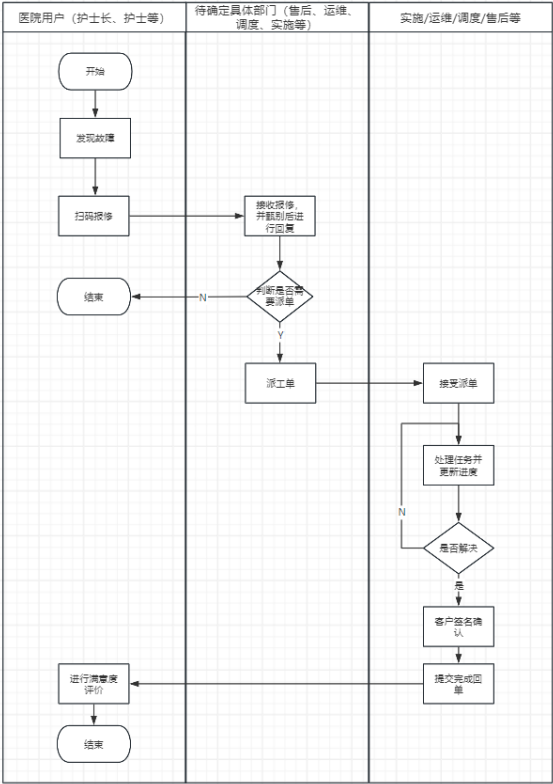


设备管理LDM V3.1

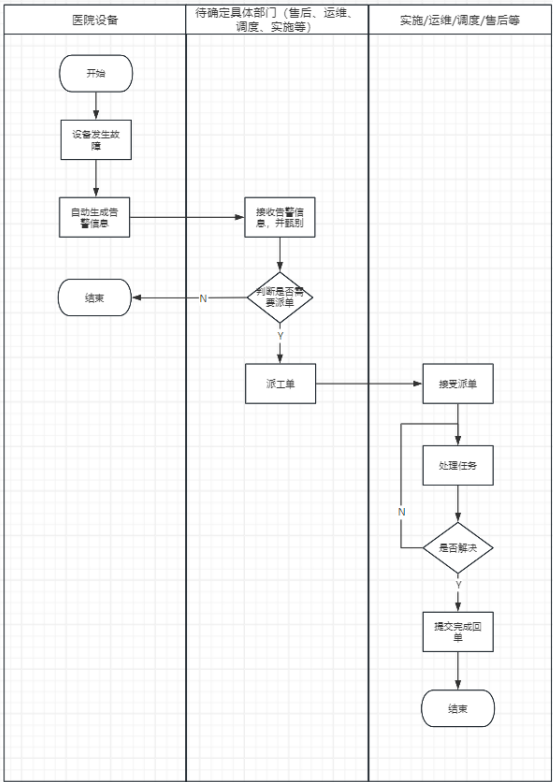
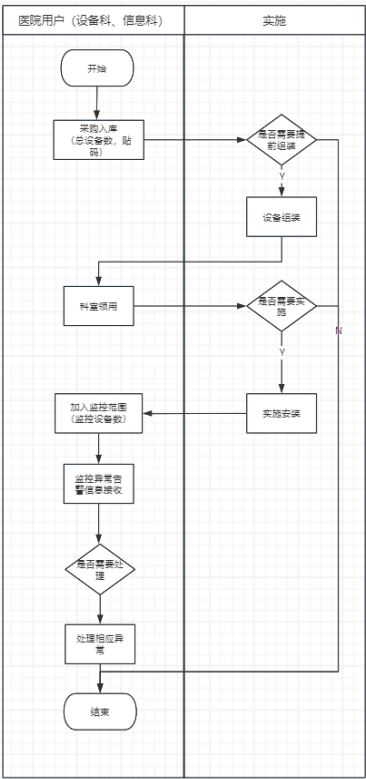
二期原型图: <https://uhp56o.axshare.com/#id=miqm63&p=%E8%AE%BE%E5%A4%87%E7%B1%BB%E5%88%AB%E5%AD%97%E5%85%B8%EF%BC%88%E5%85%AC%E5%8F%B8%E5%86%85%E9%83%A8%E5%AD%97%E5%85%B8%EF%BC%8C%E8%87%AA%E7%94%A8%E5%8C%BA%E5%88%AB%E5%90%84%E5%8C%BB%E9%99%A2%E9%85%8D%E7%BD%AE%EF%BC%89&g=1>

- 一、LDM V3.1任务分配
- 二、接口定义
 - 2.3、设备类别字典接口
 - 2.4、设备维修方式字典接口
 - 2.5、设备维修回复常用语字典接口
 - 2.6、设备配件清单字典接口
 - 2.7、设备维护故障字典接口
 - 2.8、工单系统：报修管理接口
 - 2.10 工单系统：工单管理接口
 - 2.11 设备异常信息接口
 - 3.1 首页接口
 - 3.3 进度查询接口
 - 3.2 故障报修接口
 - 3.4 任务工单接口
 - 2.9 设备信息管理（医院使用端）
 - 设备一览接口-院内
 - 异常开放设置-院内
 - 设备异常管理-院内
 - 设备异常字典-院外
 - 人员管理：服务人员维护-院外
 - 设备信息字典-院外

扫码报修流程
医院设备管理流程



设备自报警处理流程



一、LDM V3.1任务分配

服务	模块	优先级	前端	后端	开始日期	联调日期	测试	测试日期
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1、医院服务ldm	1.1 LDM设备一览	2		王鹏飞	2024-6-6			
	1.2 设备信息管理new	2		王鹏飞	2024-6-14			
	1.3 设备运行监控	2		王鹏飞	2024-6-14			
	1.4 设备运行详情new	2		王鹏飞	2024-6-14			
	1.5 设备异常管理new	2		王鹏飞	2024-6-14			
	1.6 异常开放设置	1		王鹏飞	2024-6-21			
2、新联心ldmCloud	2.1 设备异常字典	1		王鹏飞	2024-7-1			
	2.2 人员管理：服务人员维护	1		王鹏飞	2024-7-1			
	2.8 设备信息字典	1		王鹏飞	2024-7-1			
	2.3 设备类别字典	1		梁夏兴	2024-6-6			
	2.4 设备维修方式字典	1		梁夏兴	2024-6-6			
	2.5 设备配件清单字典	1		梁夏兴	2024-6-7			
	2.6 设备维护故障字典	1		梁夏兴	2024-6-10			
	2.7 回复常用语字典	1		梁夏兴	2024-6-11			
	2.9 工单系统：报修管理	2		梁夏兴	2024-6-12			
	2.10 工单系统：工单管理	2		梁夏兴	2024-6-21			
	2.11 设备异常信息	2		梁夏兴	2024-6-14			
3、小程序端	3.1 首页	2		梁夏兴	2024-7-2			
	3.2 故障报修	2		梁夏兴	2024-6-17			
	3.3 进度查询	2		梁夏兴	2024-6-19			
	3.4 任务工单	2		梁夏兴	2024-6-24			
	3.5 工单详情	2		梁夏兴	2024-6-24			
	3.6 进度更新	2		梁夏兴	2024-6-25			
	3.7 完成申请	2		梁夏兴	2024-6-26			
	3.8 微信提醒	2		梁夏兴	2024-7-5	模版		

二、接口定义

2.3、设备类别字典接口

接口名称	请求路径	请求类型	入参	出参结构
新增记录	http://10.2.14.5:10389/WRMSldmCloud/deviceGroup/post	POST	<pre>{ "createPerson": "梁", "deviceTypeList": [{ "code": 1016, "name": "门口机" }, { "code": 1015, "name": "床头卡" }], "groupName": "显示设备"}</pre>	<pre>{ "id": "66596d00f1eb6136f84f8699", "groupName": "显示设备", "deviceTypeList": [{ "code": 1016, "name": "门口机" }, { "code": 1015, "name": "床头卡" }], "createTime": "2024-05-31T14:24:00", "createPerson": "梁"}</pre>
修改记录	http://10.2.14.5:10389/WRMSldmCloud/deviceGroup/patch	PATCH	<pre>{ "id": "66596d00f1eb6136f84f8699", "groupName": "显示设备1", "deviceTypeList": [{ "code": 1016, "name": "门口机" }, { "code": 1015, "name": "床头卡1" }], "createTime": "2024-05-31T14:24:00", "createPerson": "梁"}</pre>	<pre>{ "id": "66596d00f1eb6136f84f8699", "groupName": "显示设备1", "deviceTypeList": [{ "code": 1016, "name": "门口机" }, { "code": 1015, "name": "床头卡1" }], "createTime": "2024-05-31T14:24:00", "createPerson": "梁"}</pre>

删除记录	http://10.2.14.5:10389/WRMSLdmCloud/deviceGroup/delete/{id}	DELETE	String id	{ "rslt": "0", "msg": "删除记录成功" }
查询列表	http://10.2.14.5:10389/WRMSLdmCloud/deviceGroup/recordList	GET	PageQueryArgs args	{ "totalCnt": 1, "queryResult": [{ "id": "66596c88f1eb6136f84f8698", "groupName": "显示设备", "deviceTypeList": [{ "code": 1016, "name": "门口机" }, { "code": 1015, "name": "床头卡" }], "createTime": "2024-05-31T14:21:45", "createPerson": "梁" }] }

2.4、设备维修方式字典接口

接口名称	请求路径	请求类型	入参	出参结构
新增记录	http://10.2.14.5:10389/WRMSLdmCloud/deviceRepairMethod/post	POST	{ "createPerson": "杨计丹", "methodName": "更换配件" }	{ "id": "6659826af1eb615b74b34239", "methodName": "更换整机", "createTime": "2024-05-31T15:55:22", "createPerson": "杨计丹" }
修改记录	http://10.2.14.5:10389/WRMSLdmCloud/deviceRepairMethod/patch	PATCH	{ "id": "6659826af1eb615b74b34239", "methodName": "更换整机2", "createTime": "2024-05-31T15:55:22", "createPerson": "杨计丹" }	{ "id": "6659826af1eb615b74b34239", "methodName": "更换整机2", "createTime": "2024-05-31T15:55:22", "createPerson": "杨计丹", "updateTime": "2024-05-31T15:56:33" }
删除记录	http://10.2.14.5:10389/WRMSLdmCloud/deviceRepairMethod/delete/{id}	DELETE	String id	{ "rslt": "0", "msg": "删除记录成功" }
查询列表	http://10.2.14.5:10389/WRMSLdmCloud/deviceRepairMethod/recordList	GET	PageQueryArgs args	{ "totalCnt": 2, "queryResult": [{ "id": "6659826af1eb615b74b34239", "methodName": "更换整机2", "createTime": "2024-05-31T15:55:22", "createPerson": "杨计丹", "updateTime": "2024-05-31T15:56:33" }, { "id": "665981def1eb615b74b34238", "methodName": "更换配件", "createTime": "2024-05-31T15:53:02", "createPerson": "杨计丹", "updateTime": null }] }

2.5、设备维修回复常用语字典接口

接口名称	请求路径	请求类型	入参	出参结构
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新增记录	http://10.2.14.5:10389/WRMSLdmCloud/respondConstant/post	POST	{ "createPerson": "lxx", "respondName": "服务器异常" }	{ "id": "6659826af1eb615b74b34239", "respondName": "更换整机", "createTime": "2024-05-31T15:55:22", "createPerson": "杨计丹" }
修改记录	http://10.2.14.5:10389/WRMSLdmCloud/respondConstant/patch	PATCH	{ "id": "6659826af1eb615b74b34239", "respondName": "更换整机2", "createTime": "2024-05-31T15:55:22", "createPerson": "杨计丹" }	{ "id": "6659826af1eb615b74b34239", "respondName": "更换整机2", "createTime": "2024-05-31T15:55:22", "createPerson": "杨计丹", "updateTime": "2024-05-31T15:56:33" }
删除记录	http://10.2.14.5:10389/WRMSLdmCloud/respondConstant/delete/{id}	DELETE	String id	{ "rslt": "0", "msg": "删除记录成功" }
查询列表	http://10.2.14.5:10389/WRMSLdmCloud/respondConstant/recordList	GET	PageQueryArgs args	{ "totalCnt": 2, "queryResult": [{ "id": "6659826af1eb615b74b34239", "respondName": "更换整机2", "createTime": "2024-05-31T15:55:22", "createPerson": "杨计丹", "updateTime": "2024-05-31T15:56:33" }, { "id": "665981def1eb615b74b34238", "respondName": "更换配件", "createTime": "2024-05-31T15:53:02", "createPerson": "杨计丹", "updateTime": null }] }

2.6、设备配件清单字典接口

接口名称	请求路径	请求类型	入参	出参结构
新增记录	http://10.2.14.5:10389/WRMSLdmCloud/devicePart/post	POST	{ "code": "CIMS0004", "createPerson": "杨计丹", "deviceType": "NDA", "deviceTypeCode": 1001, "model": "5Gv8", "partName": "电源线" }	{ "id": "665d791cf1eb611c60406b17", "code": "CIMS0004", "deviceType": "NDA", "deviceTypeCode": 1001, "model": "5Gv8", "partName": "电源线", "createTime": "2024-06-03T16:04:44", "createPerson": "杨计丹" }
修改记录	http://10.2.14.5:10389/WRMSLdmCloud/devicePart/patch	PATCH	{ "id": "665d791cf1eb611c60406b17", "code": "CIMS0004", "deviceType": "NDA", "deviceTypeCode": 1001, "model": "5Gv8", "partName": "电源线4", "createTime": "2024-06-03T16:04:44", "createPerson": "杨计丹" }	{ "id": "665d791cf1eb611c60406b17", "code": "CIMS0004", "deviceType": "NDA", "deviceTypeCode": 1001, "model": "5Gv8", "partName": "电源线4", "createTime": "2024-06-03T16:04:44", "createPerson": "杨计丹", "updateTime": "2024-06-03T16:06:05" }
删除记录	http://10.2.14.5:10389/WRMSLdmCloud/devicePart/delete/{id}	DELETE	String id	{ "rslt": "0", "msg": "删除记录成功" }

查询列表	http://10.2.14.5:10389/WRMSLdmCloud/devicePart/recordList	GET	PageQueryArgs args, (value = "设备类型") String eqpType, (value = "设备型号") String model, (value = "创建人") String createPerson, (value = "配件名称") String partName, (value = "创建时间排序createTime.asc, createTime.asc") String createTime	{ "totalCnt": 1, "queryResult": [{ "id": "665d7919f1eb611c60406b16", "code": "CIMS0003", "deviceType": "NDA", "deviceTypeCode": 1001, "model": "5Gv8", "partName": "电源线", "createTime": "2024-06-03T16:04:41", "createPerson": "杨计丹", "updateTime": null }] }
查询操作人	http://10.2.14.5:10389/WRMSLdmCloud/devicePart/personList	GET	无	["杨计丹"]

2.7、设备维护故障字典接口

接口名称	请求路径	请求类型	入参	出参结构
新增记录	http://10.2.14.5:10389/WRMSLdmCloud/deviceFault/post	POST	{ "code": "CIMS0001", "createPerson": "榴莲", "depiction": "故障描述1", "deviceType": "NDA", "deviceTypeCode": 1001, "faultName": "故障名称1", "model": "5Gv8" }	{ "id": "665e89c3f1eb61224c1053d9", "code": "CIMS0001", "deviceType": "NDA", "deviceTypeCode": 1001, "model": "5Gv8", "faultName": "故障名称1", "depiction": "故障描述1", "createTime": "2024-06-04T11:28:03", "createPerson": "榴莲" }
修改记录	http://10.2.14.5:10389/WRMSLdmCloud/deviceFault/patch	PATCH	{ "id": "665e89c3f1eb61224c1053d9", "code": "CIMS0001", "deviceType": "NDA", "deviceTypeCode": 1001, "model": "5Gv8", "faultName": "故障名称1", "depiction": "故障描述1", "createTime": "2024-06-04T11:28:03", "createPerson": "榴莲" }	{ "id": "665e89c3f1eb61224c1053d9", "code": "CIMS0001", "deviceType": "NDA", "deviceTypeCode": 1001, "model": "5Gv8", "faultName": "故障名称2", "depiction": "故障描述2", "createTime": "2024-06-04T11:28:03", "createPerson": "榴莲", "updateTime": "2024-06-04T11:31:21" }
删除记录	http://10.2.14.5:10389/WRMSLdmCloud/deviceFault/delete/{id}	DELETE	String id	{ "rslt": "0", "msg": "删除记录成功" }
查询列表	http://10.2.14.5:10389/WRMSLdmCloud/deviceFault/recordList	GET	PageQueryArgs args, (value = "设备类型") String eqpType, (value = "设备型号") String model, (value = "创建人") String createPerson, (value = "名称") String faultName, (value = "创建时间排序createTime.asc, createTime.asc") String createTime	{ "totalCnt": 1, "queryResult": [{ "id": "665e89c3f1eb61224c1053d9", "code": "CIMS0001", "deviceType": "NDA", "deviceTypeCode": 1001, "model": "5Gv8", "faultName": "故障名称2", "depiction": "故障描述2", "createTime": "2024-06-04T11:28:03", "createPerson": "榴莲", "updateTime": "2024-06-04T11:31:21" }] }
查询操作人	http://10.2.14.5:10389/WRMSLdmCloud/deviceFault/personList	GET	无	["杨计丹"]

2.8、工单系统：报修管理接口

接口名称	请求路径	请求类型	入参	出参结构
报修管理查询列表	http://10.2.14.5:10389/WRMSLdmCloud/ldmErrorPageResult	GET	<div>PageQueryArgs pageQueryArgs, LdmErrorQueryVO</div> <div>ldmErrorQueryVO对象里面的bugSource=1</div> <div>/**</div> <div> * bug来源, 0: 设备自动上报, 1: 手动录入设备</div> <div> 异常</div> <div> */</div>	<pre>{ "totalCnt": 0, "queryResult": [{ "ldmError": { "beanComparotor": null, "sendTime": "2023-09-16T15:51:53", "createTime": "2023-09-16T15:51:53", "updateTime": null, "createPerson": "nb message", "updatePerson": null, "fromUser": "F0:23:B9:C0:0A:A7", "hosCode": "00002", "hosName": null, "packageId": null, "originalId": null, "content": { "code": "0010", "level": 1, "message": "" }, "oldInfo": null, "id": "5f2d081921a4624b930e18ff", "sn": null, "processed": 1, "jobStatus": 0, "bugId": 0, "responPersonCode": null, "responPerson": "", "wardCode": "1461", "eqpType": 1005, "eqpTypeName": "", "model": "LADRIP", "deadline": "2024-04-17T00:00:00", "finishTime": null, "bugSource": 0 }, "basicInfo": null, "deviceLocation": null, "hosName": "", "address": "-", "wardName": "2", "sortNo": 1, "jobStatus": 0 }] }</pre>
微信通知, 点击进入bug详情	如上	GET	<div>PageQueryArgs pageQueryArgs, LdmErrorQueryVO</div> <div>ldmErrorQueryVO对象里面的ldmErrorId</div>	如上

回复	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/reply/{id}	PATCH	String id, @RequestBody ProcessItem mProcessItem { "describe": "已收到报修信息, 加急", "handlePerson": "梁" }	{ "rslt": "0", "msg": "回复成功" }
派单	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/dispatch/{id}	PATCH	String id 和 { "collaborationList": ["lxx", "yui"], "remark": "备注", "responsibilityCode": "lxx" }	{ "rslt": "0", "msg": "派单成功" }
详情	不用请求, 直接使用缓存			
删除	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/deleteByLdmErrorId/{id}		String id	{ "rslt": "0", "msg": "删除工单成功" }

2.10 工单系统：工单管理接口

接口名称	请求路径	请求类型	入参	出参结构
工单管理查询列表	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/jobOrderList	GET	PageQueryArgs args, piParam(required = false, value = "医院编号") @RequestParam(required = false) String hosCode, piParam(required = false, value = "病区编号") @RequestParam(required = false) String wardCode, piParam(required = false, value = "设备类型") @RequestParam(required = false) Integer eqpType, piParam(required = false, value = "设备型号") @RequestParam(required = false) String model, piParam(required = false, value = "工单状态: 0:待处理, 1:处理中, 2:已完成, 3:直接结束") @RequestParam(required = false) List<Integer> jobStatus, piParam(required = false, value = "开始时间") @RequestParam(required = false) Date startTime, piParam(required = false, value = "结束时间") @RequestParam(required = false) Date endTime	<div>@A</div> <div>@A</div> <div>@A</div> <div>@A</div> <div>@A</div> <div>@A</div> <div>@A</div> <div>{ "totalCnt": 4, "queryResult": [{ "beanComparator": null, "sendTime": "2024-06-03T11:26:11", "createTime": "2024-06-01T17:48:23", "updateTime": "2024-06-03T11:26:11", "createPerson": "sys", "updatePerson": null, "fromUser": "A0:10:A1:B5:B5:AC", "hosCode": "00261", "hosName": "深圳大学总医院", "packageId": null, "originalId": "665ab738490bf8205e06db0b", "content": { "code": "-1", "level": 1, "message": "模版核对失败" }, "oldInfo": null, "id": "665ab738490bf8205e06db0b", "sn": "A0:10:A1:B5:B5:AC", "processed": 0, "jobStatus": 1, "bugId": 998, "responsePersonCode": null, "responsePerson": null, "wardCode": null, "eqpType": 0, "eqpTypeName": null, "eqpTypeNam</div>

				<pre> "model": null, "deadline": "2024-06-16T17:48: 23", "finishTime ": null, "bugSource" : 0, "aliases": null, "contactPho ne": null, "trackingNu mber": null, "trackingTi me": null, "beforeImag eUrl": null, "afterImage Url": null, "mJobOrder" : { "id": "6662a302f1eb616b60b 8c3b0", "ldmErro rId": "665ab738490bf8205e0 6db0b", "jobStat us": 1, "respons ibilityCode": "lxx", "collabo rationList": ["lxx", "yui"], "process List": null, "remark" : "备注", "createT ime": "2024-06- 07T14:04:37", "replyLi st": null, "serverL evel": 0, "profess ionalism": 0, "service Impression": 0, "suggest ion": null } }]}]}</pre>
删除	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/deleteByLdmErrorId/{id}	PATCH	id	<pre>{ "rslt": "0", "msg": "删除工单成功" }</pre>
查看工单管理详情	不用请求，直接使用缓存			
重新派工	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/dispatch/{id}	PATCH	String id 和 <pre>{ "collaborationList": ["lxx", "yui"], "remark": "备注", "responsibilityCode": "lxx" }</pre>	<pre>{ "rslt": "0", "msg": "派单成功" }</pre>
微信点击，查看某一条工单详情	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/jobOrderInfo	GET	id	和工单管理查询列表返回的单个结构一样

2.11 设备异常信息接口

接口名称	请求路径	请求类型	入参	出参结构
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报修管理查询列表	http://10.2.14.5:10389/WRMSLdmCloud/ldmErrorPageResult	GET	PageQueryArgs pageQueryArgs, LdmErrorQueryVO ldmErrorQueryVO对象里面的bugSource=0 /** * bug来源, 0: 设备自动上报, 1: 手动录入设备异常 */	<pre> { "totalCnt": 0, "queryResult": [{ "ldmError": { "beanComparotor": null, "sendTime": "2023-09-16T15:51:53", "createTime": "2023-09-16T15:51:53", "updateTime": null, "createPerson": "nbmessage", "updatePerson": null, "fromUser": "F0:23:B9:C0:0A:A7", "hosCode": "00002", "hosName": null, "packageId": null, "originalId": null, "content": { "code": "0010", "level": 1, "message": "" }, "oldInfo": null, "id": "5f2d081921a4624b930e18ff", "sn": null, "processed": 1, "jobStatus": 0, "bugId": 0, "responPersonCode": null, "responPerson": "", "wardCode": "1461", "eqpType": 1005, "eqpTypeName": "", "model": "LADRIP", "deadline": "2024-04-17T00:00:00", "finishTime": null, "bugSource": 0, "groupName": "" }, "basicInfo": null, "deviceLocation": null, "hosName": "", "address": "-", "wardName": "2", "sortNo": 1, "jobStatus": 0 }] } </pre>
无需处理	http://10.2.14.5:10389/WRMSLdmCloud/ldmError/{id}	PATCH	id	<pre> { "rslt": "0", "msg": "修改成功" } </pre>
派单处理	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/dispatch/{id}	PATCH	String id 和 <pre> { "collaborationList": ["lxx", "yui"], "remark": "备注", "responsibilityCode": "lxx" } </pre>	<pre> { "rslt": "0", "msg": "派单成功" } </pre>
查看工单详情	不用请求, 直接使用缓存			

3.1 首页接口

接口名称	请求路径	请求类型	入参	出参结构
当前报修总数统计	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/errorCountResult?hosCode=00002	GET	hosCode=00002	{ "total": 3, "undo": 2, "doing": 1, "finish": 0 }
满意度评价统计	http://10.2.14.5:10389/WRMSLdmCloud/ldmError/{id}	GET	hosCode=00002	{ "total": 3, "undo": 2, "finish": 0 }
医院用户查看,当前报修查询	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/errorOrderList	GET	PageQueryArgs args, @ApiParam(required = false, value = "医院编号") @RequestParam(required = true) String hosCode, @ApiParam(required = false, value = "设备类型") @RequestParam(required = false) Integer eqpType, @ApiParam(required = false, value = "工单状态: 0:待处理, 1:处理中, 2:已完成,3:直接结束") @RequestParam(required = false) List<Integer> jobStatus, @ApiParam(required = false, value = "bug来源, 0: 设备自动上报, 1: 手动录入设备异常") @RequestParam(required = false) Integer bugSource	{ "totalCnt": 1, "queryResult": [{ "beanComparotor": null, "sendTime": null, "createTime": "2024-06-12T10:29:23", "updateTime": null, "createPerson": "xiaxing", "updatePerson": null, "fromUser": null, "hosCode": "00002", "hosName": "", "packageId": null, "originalId": null, "content": { "code": "001", "level": 0, "message": "" }, }]

				<pre>"oldInfo": null, "id": "666908037a07c f109callcef", "sn": null, "processed": 0, "jobStatus": 1, "bugId": 1002, "responPersonC ode": "xiaxing. liang", "responPerson" : " ", "wardCode": "304", "eqpType": 1001, "eqpTypeName": "NDA", "model": null, "deadline": "2024-06- 15T10:29:23", "finishTime": null, "bugSource": 1, "aliases": "xxNDA", "contactPhone" : "1308888", "trackingNumbe r": " ", "trackingTime" : "2024-06- 12T02:06:26" }] }</pre>
评价详细列表	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/evaluateList	GET	<pre>PageQueryArgs args, @ApiParam(required = true, value = "医院编号") @RequestParam(required = true) String hosCode, @ApiParam(required = false, value = "评价类型, 0: 待评价, 1: 已评价, null返回所有") @RequestParam(required = false) Integer evaluateType</pre>	如上一行

评价	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/evaluate	PATCH	{ "ldmErrorId": "6669513a7a07cf2d10bf3571", "professionalism": 5, "serverLevel": 5, "serviceImpression": 4, "suggestion": "建议" }	{ "rslt": "0", "msg": "评价成功" }
删除	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/deleteByLdmErrorId/{id}	DELETE	id	{ "rslt": "0", "msg": "删除工单成功" }
查看评价	用缓存			
消息提醒查看	http://10.2.14.5:10389/WRMSLdmCloud/processMsg	GET	PageQueryArgs args, String hosCode, Date startTime, Date endTime	

3.3 进度查询接口

接口名称	请求路径	请求类型	入参	出参结构
医院用户查看故障列表，故障进度查询	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/errorOrderList	GET	PageQueryArgs args, @ApiParam(required = false, value = "医院编号") @RequestParam(required = true) String hosCode, @ApiParam(required = false, value = "设备类型") @RequestParam(required = false) Integer eqpType, @ApiParam(required = false, value = "工单状态: 0:待处理, 1:处理中, 2:已完成,3:直接结束") @RequestParam(required = false) List<Integer> jobStatus, @ApiParam(required = false, value = "bug来源, 0: 设备自动上报, 1: 手动录入设备异常") @RequestParam(required = false) Integer bugSource	<div><pre>{ "totalCnt": 1, "queryResult": [{ "beanComparoto r": null, "sendTime": null, "createTime": "2024-06- 12T10:29:23", "updateTime": null, "createPerson" : "xiaxing", "updatePerson" : null, "fromUser": null, "hosCode": "00002", "hosName": "", "packageId": null, "originalId": null, "content": { "code": "001", "level": 0, "message": "" }, }] }</pre></div>

				<pre>"oldInfo": null, "id": "666908037a07c f109callcef", "sn": null, "processed": 0, "jobStatus": 1, "bugId": 1002, "responPersonC ode": "xiaxing. liang", "responPerson" : "", "wardCode": "304", "eqpType": 1001, "eqpTypeName": "NDA", "model": null, "deadline": "2024-06- 15T10:29:23", "finishTime": null, "bugSource": 1, "aliases": "xxNDA", "contactPhone" : "1308888", "trackingNumbe r": "", "trackingTime" : "2024-06- 12T02:06:26" } }</pre>
评价	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/evaluate	PATCH	{ "ldmErrorId": "6669513a7a07cf2d10bf3571", "professionalism": 5, "serverLevel": 5, "serviceImpression": 4, "suggestion": "建议" }	{ "rslt": "0", "msg": "评价成功" }

删除	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/deleteByLdmErrorId/{id}	id	{ "rslt": "0", "msg": "删除工单成功" }
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3.2 故障报修接口

接口名称	请求路径	请求类型	入参	出参结构
提交	http://10.2.14.5:10389/WRMSLdmCloud/ldmError/add	POST	{ "aliases": "xxNDA", "bugSource": 1, "contactPhone": "1308888", "content": { "code": "001", "level": 0, "message": "请详细描述故障情况" }, "createPerson": "xiaxing", "eqpType": 1001, "eqpTypeName": "NDA", "hosCode": "00002", "hosName": "北大医院", "responPerson": "梁", "responPersonCode": "xiaxing.liang", "trackingNumber": "快递单号", "trackingTime": "2024-06-12T02:06:26.026Z", "wardCode": "304" }	<div><pre>{ "sendTime": null, "createTime": "2024-06-12T10:14:45", "updateTime": null, "createPerson": "xiaxing", "updatePerson": null, "fromUser": null, "hosCode": "00002", "hosName": "", "packageId": null, "originalId": null, "content": { "code": "001", "level": 0, "message": "" }, "oldInfo": null, "id": "666904b37a07cf109callc ea", "sn": null, "processed": 0, "jobStatus": 0, "bugId": 1001, "responPersonCode": "xiaxing.liang", "responPerson": "", "wardCode": "304", "eqpType": 1001, "eqpTypeName": "NDA", "finishTime": null, "bugSource": 1, "aliases": "xxNDA", "contactPhone": "1308888", "trackingNumber": "" }</pre></div>

通过mac获取设备信息，自动填充	http://10.2.14.5:10389/WRMSLdmCloud/device	GET	@ApiModelProperty(value = "设备名,mac等模糊匹配") @RequestParam(required = false) String eqpName, @ApiModelProperty(value = "所属医院编号") @RequestParam(required = false) String hosCode, @ApiModelProperty(value = "所属病区") @RequestParam(required = false) String eqpBelong,	<pre> { "beanComparotor": null, "sendTime": "2019-01-05T15:53:07", "createTime": "2018-01-26T18:25:15", "updateTime": "2019-01-05T15:53:44", "createPerson": null, "updatePerson": null, "fromUser": "AC:83:F3:33:9D:36", "hosCode": "00002", "hosName": null, "packageId": "5839", "originalId": null, "content": { "basicInfo": { "eqpBelong": "157", "eqpType": 1004, "bluetoothMac": "AC:83:F3:33:9D:36", "eqpStatus": 10001, "eqpName": "23", "cpu": "STM32F429ZG", "model": "BlueBridge", "sn": "03382582", "roomCode": "23", "mac": "AC:83:F3:33:9D:36" } }, "id": "5c3064590cf26533c37606a7", "addedTime": "2018-09-19T14:12:53", "deviceErrorCount": 377, "online": 0 } </pre>
上传图片	http://10.2.3.141:86/windranger/sys/sysAttachment/ldm/file?moduleName=hospital_icon&type=png	POST	moduleName, type	http://10.2.3.141:86/windranger/sys/sysAttachment/623499/file 图片路径

3.4 任务工单接口

接口名称	请求路径	请求类型	入参	出参结构
任务工单查询列表	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/jobOrderList	GET	<div>PageQueryArgs args,</div> <div>@RequestParam(required = false, value = "医院编号") String hosCode,</div> <div>@RequestParam(required = false, value = "病区编号") String wardCode,</div> <div>@RequestParam(required = false, value = "设备类型") Integer eqpType,</div> <div>@RequestParam(required = false, value = "设备型号") String model,</div> <div>@RequestParam(required = false, value = "工单状态: 0:待处理, 1:处理中, 2:已完成, 3:直接结束") List<Integer> jobStatus,</div> <div>@RequestParam(required = false, value = "开始时间") Date startTime,</div> <div>@RequestParam(required = false, value = "结束时间") Date endTime</div>	<div>@ApiModelProperty("totalCnt": 4,</div> <div>@ApiModelProperty("queryResult": [</div> <div>@ApiModelProperty("beanComparator": null,</div> <div>@ApiModelProperty("sendTime": "2024-06-03T11:26:11",</div> <div>@ApiModelProperty("createTime": "2024-06-01T17:48:23",</div> <div>@ApiModelProperty("updateTime": "2024-06-03T11:26:11",</div> <div>@ApiModelProperty("createPerson": "sys",</div> <div>@ApiModelProperty("updatePerson": null,</div> <div>@ApiModelProperty("fromUser": "A0:10:A1:B5:B5:AC",</div> <div>@ApiModelProperty("hosCode": "00261",</div> <div>@ApiModelProperty("hosName": "深圳大学总医院",</div> <div>@ApiModelProperty("packageId": null,</div> <div>@ApiModelProperty("originalId": "665ab738490bf8205e06db0b",</div> <div>@ApiModelProperty("content": {</div> <div>@ApiModelProperty("code": "-1",</div> <div>@ApiModelProperty("level": 1,</div> <div>@ApiModelProperty("message": "模版核对失败",</div> <div>@ApiModelProperty("oldInfo": null,</div> <div>@ApiModelProperty("id": "665ab738490bf8205e06db0b",</div> <div>@ApiModelProperty("sn": "A0:10:A1:B5:B5:AC",</div> <div>@ApiModelProperty("processed": 0,</div> <div>@ApiModelProperty("jobStatus": 1,</div> <div>@ApiModelProperty("bugId": 998,</div> <div>@ApiModelProperty("responsePersonCode": null,</div> <div>@ApiModelProperty("responsePerson": null,</div> <div>@ApiModelProperty("wardCode": null,</div> <div>@ApiModelProperty("eqpType": 0,</div> <div>@ApiModelProperty("eqpTypeName": null,</div> <div>@ApiModelProperty("model": null,</div> <div>@ApiModelProperty("deadline": "2024-06-16T17:48:23",</div> <div>@ApiModelProperty("finishTime": null,</div> <div>@ApiModelProperty("bugSource": 0,</div> <div>@ApiModelProperty("aliases": null,</div> <div>@ApiModelProperty("contactPhone": null,</div> <div>@ApiModelProperty("trackingNumber": null,</div> <div>@ApiModelProperty("trackingTime": null,</div> <div>@ApiModelProperty("beforeImageUrl": null,</div> <div>@ApiModelProperty("afterImageUrl": null,</div> <div>@ApiModelProperty("mJobOrder": {</div> <div>@ApiModelProperty("id": "6662a302f1eb616b60b8c3b0",</div> <div>@ApiModelProperty("ldmErrorId": "665ab738490bf8205e06db0b",</div> <div>@ApiModelProperty("jobStatus": 1,</div> <div>@ApiModelProperty("responsibilityCode": "lxx",</div> <div>@ApiModelProperty("collaborationList": [</div> <div>@ApiModelProperty("lxx",</div>

				<pre> "yui":], "processL ist": null, "remark": "备注", "createTi me": "2024-06-07T14: 04:37", "replyLis t": null, "serverLe vel": 0, "professi onalism": 0, "serviceI mpression": 0, "suggesti on": null }] }</pre>
查询某一条工单详情	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/jobOrderInfo	GET	ldmErrorId	单个结构如上
删除	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/deleteByLdmErrorId/{id}	PATCH	id	<pre>{ "rslt": "0", "msg": "删除工单成功" }</pre>
更新进度	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/updateProcess/{id}	PATCH	@ApiParam(required = true, value = "记录id") @PathVariable String id,@RequestBody ProcessItem mProcessItem <pre>{ "describe": "请输入本次工单的进度更新情况", "handlePerson": "梁" }</pre>	<pre>{ "rslt": "0", "msg": "进度更新成功" }</pre>
工单详情	直接使用列表缓存			
完成申请	http://10.2.14.5:10389/WRMSLdmCloud/jobOrder/completeOrder	PATCH	@RequestBody JobOrder mJobOrder	<pre>{ "rslt": "0", "msg": "工单完成成功" }</pre>

2.9 设备信息管理（医院使用端）

接口名称	请求路径	请求类型	入参	响应
设备列表查询	/api/ldm/wamDeviceInfo	GET	PageQueryArgs args, aram(value = "设备名,mac等模糊匹配") @RequestParam(required = false) String eqpName, aram(value = "设备类型") @RequestParam(required = false) String eqpType, aram(value = "设备型号") @RequestParam(required = false) String model, aram(value = "所属病区") @RequestParam(required = false) String eqpBelong, aram(value = "Apk版本") @RequestParam(required = false) String apkVersion	<pre>@ApiP @ApiP @ApiP @ApiP @ApiP @ApiP { "totalCnt": 0, "queryResult": [{ "errorList": [{ "id": "id_dbbld30bf3d1", "errCode": "errCode_2acd8ff63bcc", "sn": "sn_fd55b4caaac3", "processed": 0, "syncStatus": 0, "sendTimes": 0, "eqpType": 0, "model": "model_7f34f4e871cf", "wardCode": "wardCode_22dfe3ac61f7", "sendTime": "2024-06- 05 15:04:16", "createTime": "2024-06- 05 15:04:16", "updateTime": "2024-06- 05 15:04:16", "updatePerson":</pre>

				<pre>"updatePerson_7a36ec4412e2", "createPerson": "createPerson_62731b7c684e", "fromUser": "fromUser_46e2120a8c99", "content": {}, "primaryKey": {}, "beanComparotor": {} }], "deviceConfig": { "id": "id_46b56916d6b7", "deviceId": "deviceId_e5c5a846ec5c", "name": "name_32b048672f7f", "deviceType": "deviceType_040c838caad0", "content": {}, "devices": ["devices_4438ceab953b"], "status": 0, "wardCode": "wardCode_2eb0606ceee5", "createTime": "2024-06-05 15:04:16", "updateTime": "2024-06-05 15:04:16", "createPerson": "createPerson_9172cad6f7c9", "updatePerson": "updatePerson_e5b09a7232c5", "primaryKey": {}, "beanComparotor": {} }, "onlineStatus": 0, "statusTime": "2024-06-05 15:04:16", "id": "id_6d84b6ecd77b", "addedTime": "2024-06-05 15:04:16", "deviceIp": "deviceIp_a49eb0d5b016", "uniqueSn": "uniqueSn_37e900ff8e2d", "directionalEditStatus": false, "sendTime": "2024-06-05 15:04:16", "createTime": "2024-06-05 15:04:16", "updateTime": "2024-06-05 15:04:16", "updatePerson": "updatePerson_4729af3685d7", "createPerson": "createPerson_c586a1a86754", "fromUser": "fromUser_09f04114b4e8", "content": {}, "primaryKey": {}, "beanComparotor": {} }] }</pre>
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运行记录	/api/ldm/status/operationV2	GET	@ApiModelProperty(value="设备序号") @RequestParam(required = false) String eqpSn, @ApiModelProperty(value="设备mac地址") @RequestParam(required = false) String eqpMac	<div><pre>{ "onlineTime": 0, "offlineTime": 0, "lastOnlineDateTime": "2024-06-27 10:33:17", "lastOfflineDateTime": "2024-06-27 10:33:17", "duration": 0, "totalPowerOnTime": 0 }</pre></div>
电池信息	/api/ldm/status/battery	GET	@ApiModelProperty(value="设备mac地址") @RequestParam(required = false) String eqpMac, @ApiModelProperty(value="设备序号") @RequestParam(required = false) String eqpSn	<div><pre>{ "id": "id_8a64d7cc20f5", "sendTime": "2024-06-05 15:25:56", "createTime": "2024-06-05 15:25:56", "updateTime": "2024-06-05 15:25:56", "updatePerson": "updatePerson_1dd922edbfcc", "createPerson": "createPerson_a0d216b36c40", "fromUser": "fromUser_9falfa34d524", "content": { "status": "status_f6fe2ab7eadf", "residualCapacity": "residualCapacity_b49ed2ae7d75", "residualHours": "residualHours_b0b7c253f5ea" }, "primaryKey": {}, "beanComparotor": {} }</pre></div>

设备一览接口-院内

接口名称	请求路径	请求类型	入参	响应
设备在线/离线按设备类型分布	/api/ldm/onlineStatusByEqpType	GET	无	<div><pre>[{ "eqpType": 0, "eqpTypeName": "eqpTypeName_b18374c8ed6d", "onlineCount": 0, "offlineCount": 0 }]</pre></div>

设备异常按月分布	/api/ldm/deviceErrorByMonth	GET	无	<pre>[{ "date": "date_4859d3b58885", "errCount": 0 }]</pre>
设备在线/离线分布	/api/ldm/onlineStatusOverview	GET	无	<pre>{ "onlineCount": 0, "offlineCount": 0 }</pre>
设备使用频率	/api/ldm/deviceUseFrequency	GET	无	<pre>{ "deviceCount": 0, "monitorDeviceCount": 0, "errDeviceCount": 0, "deviceTypeCount": 0, "softwareReleaseCount": 0, "wardUsages": [{ "wardCode": "wardCode_2e6a62804de8", "wardName": "wardName_0ba210c7df0b", "deviceCount": 0, "deviceUsageRate": 0.00 }] }</pre>
设备资产统计	/api/ldm/deviceAssetStatistics	GET	无	<pre>[{ "total": 0, "useCount": 0, "eqpType": 0, "eqpTypeName": "" }]</pre>
服务器状态	/api/ldm/serverStatus	GET	无	<pre>{ "serverUsageInfos": [{ "cpuUsage": 0.71, "disUsage": 87.05, "swapUsage": 0, "serverType": "" }, { "cpuUsage": 0.2, "disUsage": 6.07, "swapUsage": 6.59, "serverType": "" }], "services": [{ "serviceName": "alertmanager", "enable": false }, { </pre>

```

        "serviceName": "db_node",
        "enable": true
    },
    {
        "serviceName": "mongodb",
        "enable": true
    },
    {
        "serviceName": "mysql",
        "enable": true
    },
    {
        "serviceName": "prometheus",
        "enable": true
    },
    {
        "serviceName": "rabbitmq-server",
        "enable": false
    },
    {
        "serviceName": "redis",
        "enable": false
    },
    {
        "serviceName": "springboot_csm",
        "enable": false
    },
    {
        "serviceName": "springboot_datasync",
        "enable": false
    },
    {
        "serviceName": "springboot_emr",
        "enable": false
    },
    {
        "serviceName": "springboot_fd",
        "enable": false
    },
    {
        "serviceName": "springboot_ifm",
        "enable": false
    },
    {
        "serviceName": "springboot_ldm",
        "enable": false
    },
    {
        "serviceName": "springboot_mnis",
        "enable": false
    },
    {
        "serviceName": "springboot_msgcenter",
        "enable": false
    },
    {
        "serviceName": "springboot_node",
        "enable": true
    },
    {
        "serviceName": "springboot_qm",
        "enable": false
    },
    {
        "serviceName": "springboot_smartward",
        "enable": false
    }
],
"serviceCount": 18
}

```

设备异常分布	/api/ldm/deviceErrorByEqTypeAndRoom	GET	无	<div><div></div><pre>[{ "wardCode": "wardCode_321c9cb12ee0", "wardCode": "wardName_321c9cb12ee0", "list": [{ "eqpType": 0, "eqpTypeName": "xx", "errCount": 0 }] }]</pre></div>
设备异常告警	/api/ldm/deviceErrorWarn	GET	无	<div><div></div><pre>[{ "wardCode": "wardCode_a2bbcc7ea527", "wardCode": "wardName_321c9cb12ee0", "eqpType": 0, "eqpTypeName": "xx", "room": "room_19705434d3b6", "errorCode": "errorCode_73ca89082d83", "errorMessage": "errorMessage_b2c544e65f83", "level": 0 }]</pre></div>

异常开放设置-院内

接口名称	请求路径	请求类型	入参	响应
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设备异常开放设置列表	/api/ldm/ldmErrorCodePage	GET	PageQueryArgs pageQueryArgs, Integer eqpType, String model, Integer level, Boolean openStatus	<pre>{ "totalCnt": 0, "queryResult": [{ "id": "id_655e3e1a998e", "ldmErrorCode": "ldmErrorCode_dd78a1775574", "errorCode": "errorCode_0a7d706b680c", "message": "message_d09a965e1f37", "level": "level_5f544e798459", "eqpType": 0, "model": "model_466ae2332109", "openStatus": false, "sendTime": "2024-06-27 10:21:46", "createTime": "2024-06-27 10:21:46", "updateTime": "2024-06-27 10:21:46", "updatePerson": "updatePerson_015ad7492c4c", "createPerson": "createPerson_5e0780273a91", "fromUser": "fromUser_af2900626156", "content": {} }] }</pre>
修改设备异常开放设置状态	/api/ldm/updateLdmErrorCodeOpenStatus	GET	String id	无

设备异常管理-院内

接口名称	请求路径	请求类型	入参	响应
查询设备异常列表	/api/ldm/ldmErrorPage	GET	PageQueryArgs pageQueryArgs, String keyword, Date startTime, Date endTime, Integer eqpType, String model, Integer confirmStatus	<pre>{ "totalCnt": 0, "queryResult": [{ "ldmError": { "id": "id_l6efe9d5958e", "errCode": "errCode_e2b5ed6f6657", "sn": "sn_7006db5eb042", "processed": 0, "syncStatus": 0, "sendTimes": 0, "eqpType": 0, "model": "model_7f460b3d0658", "wardCode": "wardCode_ec22f5aaa757", "confirmStatus": 0, "status": 0, "sendTime": "2024-06-27 10:31:13", "createTime": "2024-06-27 10:31:13", "updateTime": "2024-06-27 10:31:13", "updatePerson": "updatePerson_20c7e5279f4c", "createPerson": "createPerson_cb9d217d0aec", "fromUser": "fromUser_d4d013f21673", "content": {} } }] }</pre>

				<pre>"primaryKey": {}, "beanComparotor": {} }, "basicInfo": { "id": "id_de1812f77e1e", "addedTime": "2024-06-27 10:31:13", "deviceIp": "deviceIp_c973dc825727", "uniqueSn": "uniqueSn_c7d43lce24c5", "directionalEditStatus": false, "sendTime": "2024-06-27 10:31:13", "createTime": "2024-06-27 10:31:13", "updateTime": "2024-06-27 10:31:13", "updatePerson": "updatePerson_aal366ea459e", "createPerson": "createPerson_53098dd1c156", "fromUser": "fromUser_be05dlbc8b76", "content": {}, "primaryKey": {}, "beanComparotor": {} }, "deviceGroup": { "id": "id_41afe38c2f9b", "groupName": "groupName_8d6600703eb8", "deviceTypeList": [{ "id": "id_f14ebd6d2167", "typeCode": "typeCode_919748e7d1fc", "code": 0, "name": "name_33132c86df00", "models": ["models_a7e94d39369d"], "dataTypes": ["dataTypes_c0c846ee9e48"], "dataShowTypes": ["dataShowTypes_68c88c69b2de"], "connectionType": 0, "showType": 0 }], "createTime": "2024-06-27 10:31:13", "createPerson": "createPerson_f4343b6137de", "updateTime": "2024-06-27 10:31:13" }] }</pre>
设备异常确认	/api/ldm /confirmLdmError	GET	String id	success

添加设备异常编码	/api/lbm /addLbmErrorCode	PUT	<div><pre>{ "id": "id_980764b346af", "lbmErrorCode": "lbmErrorCode_86585dd0b6c0", "errorCode": "errorCode_25af20446922", "message": "message_1bb426e3ee4e", "level": "level_fc75bf0bd2da", "eqpType": 0, "model": "model_6d2a9b42db08", "openStatus": false, "sendTime": "2024-07-01 17:30:11", "createTime": "2024-07-01 17:30:11", "updateTime": "2024-07-01 17:30:11", "updatePerson": "updatePerson_9b977881abed", "createPerson": "createPerson_1fb1a274f67b", "fromUser": "fromUser_094eb4f4f434", "content": {}, "primaryKey": {}, "beanComparator": {} }</pre></div>	无
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设备异常字典-院外

接口名称	请求路径	请求类型	入参	响应
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设备异常列表	/api/ldmCloud /ldmErrorCodePage	GET	PageQueryArgs pageQueryArgs, Integer eqpType, String model, Integer level, Date beginTime, Date endTime	<div><pre>{ "totalCnt": 0, "queryResult": [{ "id": "id_47d827818145", "ldmErrorCode": "ldmErrorCode_a6ba0c42bd18", "errorCode": "errorCode_8b715b16077e", "message": "message_3a0b930c90c1", # "level": 0, "eqpType": 0, "eqpTypeName": "eqpTypeName_21323", # "model": "model_a46cc0c1eb65", "status": 0, "sendTime": "2024-07-01 15:12:09", "createTime": "2024-07-01 15:12:09", "updateTime": "2024-07-01 15:12:09", "createPerson": "createPerson_be81f6bae24f", "updatePerson": "updatePerson_cbb53c7d78a2", "fromUser": "fromUser_cf1399486281", "hosCode": "hosCode_45af78a9cd5d", "hosName": "hosName_d0a4e04c92cf", "packageId": "packageId_d4d36ed75815", "originalId": "originalId_0c0135d343e5", "content": {}, "oldInfo": {} }] }</pre></div>
删除设备异常	/api/ldmCloud /ldmErrorCode/{id}	DELETE	无	

更新或新增设备异常	/api/ldmCloud /ldmErrorCode	PATCH	<div><pre>{ "id": "id_4f13ffff1af0", #idid "ldmErrorCode": "ldmErrorCode_adfeacalb9eb", "errorCode": "errorCode_3fc87c66676f", "message": "message_2d3a0d556816", "level": 0, "eqpType": 0, "eqpTypeName": "eqpTypeName_21323", # "model": "model_2aa05e58d1c2", "status": 0, "sendTime": "2024-07-01 15:14:44", "createTime": "2024-07-01 15:14: 44", "updateTime": "2024-07-01 15:14: 44", "createPerson": "createPerson_46f41a869512", "updatePerson": "updatePerson_ed9d735bc8a0", "fromUser": "fromUser_858fd73afe0d", "hosCode": "hosCode_98b9ece36bdd", "hosName": "hosName_93e692522faf", "packageId": "packageId_ef614fa9be59", "originalId": "originalId_8a2fb48cbc41", "content": {}, "oldInfo": {} }</pre></div>	无
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人员管理：服务人员维护-院外

接口名称	请求路径	请求类型	入参	响应
公司列表	/api/ldmCloud/supportStaff /companyList	GET	无	<div><pre>["", "company_xxxx", "company_yyy"]</pre></div>
分页查询服务人员列表	/api/ldmCloud/supportStaff /pageList	GET	PageQueryArgs pageQueryArgs, String key, String company	<div><pre>{ "totalCnt": 0, "queryResult": [{ "id": 0, "userCode": "userCode_5cd87677eff0", "company": "company_12f61dde1d9a", "name": "name_6dbbe218b457", "dept": "dept_b907df79530c", "job": "job_b3869c9c1ee1", "phone": "phone_b2b1lead00ff", "updateTime": "2024-07-04 10:57:22" }] }</pre></div>

更新/新增服务人员信息	/api/ldmCloud/supportStaff/update	PATCH	<pre>{ "id": 0, "userCode": "userCode_5cd87677eff0", "company": "company_12f61ddeld9a", "name": "name_6dbbe218b457", "dept": "dept_b907df79530c", "job": "job_b3869c9cleel", "phone": "phone_b2b1lead00ff", "updateTime": "2024-07-04 10:57:22" }</pre>	<pre>{ "data": {}, "rslt": "-100003", "msg": " " }</pre>
删除服务人员信息	/api/ldmCloud/supportStaff/delete/{id}	DELETE	无	无
同步服务人员信息	/api/ldmCloud/syncSupportStaff	POST	无	无

设备信息字典-院外

接口名称	请求路径	请求类型	入参	响应
查询设备类型	/api/ldmCloud/deviceTypes/search	GET	String name, String model	<pre>[{ "id": "id_7fc7f0410fd6", "typeCode": "typeCode_140b2ac9d049", "code": 0, "name": "name_9537a93b8e46", "models": ["models_ba7e3c0cb7dd"], "dataTypes": ["dataTypes_80afe691890e"], "dataShowTypes": ["dataShowTypes_1d4ec264986b"], "modelDetailInfos": [{ "model": "model_1c0da8c195d8", "image": "image_958f6dca4945" }], "connectionType": 0, "showType": 0, "primaryKey": {}, "beanComparotor": {} }]</pre>
删除设备类型	/api/ldmCloud/deviceType/delete	DELETE	@RequestParam String id, @RequestParam(required = false) String model	无

全量修改设备类型	/api/ldmCloud/deviceTypes	PUT	<pre>{ "id": "id_379d73c3e3b4", "typeCode": "typeCode_e5b185b9eee6", "code": 0, "name": "name_86527728b4a9", "models": ["models_3a76b74e3e62"], "dataTypes": ["dataTypes_3db432f46659"], "dataShowTypes": ["dataShowTypes_401426b29727"], "modelDetailInfos": [{ "model": "model_2861364572a5", "image": "image_9796db8ce8de" }], "connectionType": 0, "showType": 0 }</pre>	<pre>{ "id": "id_379d73c3e3b4", "typeCode": "typeCode_e5b185b9eee6", "code": 0, "name": "name_86527728b4a9", "models": ["models_3a76b74e3e62"], "dataTypes": ["dataTypes_3db432f46659"], "dataShowTypes": ["dataShowTypes_401426b29727"], "modelDetailInfos": [{ "model": "model_2861364572a5", "image": "image_9796db8ce8de" }], "connectionType": 0, "showType": 0 }</pre>
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