**真趣化工人员定位系统4.3 API文档**

公开范围：对外公开



苏州真趣信息科技有限公司

JoySuch Tech Ltd.

版权所有 侵权必究

All rights reserved

**目 录**

[一、 概述 12](#_Toc57621741)

[二、公共响应参数 12](#_Toc57621742)

[三、令牌API 12](#_Toc57621743)

**[3.1获取授权令牌](#_Toc57621744)** [12](#_Toc57621744)

**[3.1.1 URL](#_Toc57621745)** [12](#_Toc57621745)

**[3.1.2 请求头](#_Toc57621746)** [12](#_Toc57621746)

**[3.1.3 POST 请求参数](#_Toc57621747)** [13](#_Toc57621747)

**[3.1.4 请求JSON 示例](#_Toc57621748)** [13](#_Toc57621748)

**[3.1.5 响应JSON 示例](#_Toc57621749)** [13](#_Toc57621749)

**[3.1.6 异常JSON 示例](#_Toc57621750)** [14](#_Toc57621750)

**[3.1.7 业务错误码](#_Toc57621751)** [14](#_Toc57621751)

**[3.1.8 图片案例](#_Toc57621752)** [14](#_Toc57621752)

[四、人员API 15](#_Toc57621753)

**[4.1 批量添加人员](#_Toc57621754)** [15](#_Toc57621754)

**[4.1.1 URL](#_Toc57621755)** [15](#_Toc57621755)

**[4.1.2 请求头](#_Toc57621756)** [15](#_Toc57621756)

**[4.1.3 POST 请求参数](#_Toc57621757)** [15](#_Toc57621757)

**[4.1.4 请求JSON 示例](#_Toc57621758)** [16](#_Toc57621758)

**[4.1.5 响应JSON 示例](#_Toc57621759)** [16](#_Toc57621759)

**[4.1.6 异常JSON 示例](#_Toc57621760)** [17](#_Toc57621760)

**[4.1.7 业务错误码](#_Toc57621761)** [17](#_Toc57621761)

**[4.1.8 图片案例](#_Toc57621762)** [17](#_Toc57621762)

**[4.2 批量修改人员](#_Toc57621763)** [18](#_Toc57621763)

**[4.2.1 URL](#_Toc57621764)** [18](#_Toc57621764)

**[4.2.2 请求头](#_Toc57621765)** [19](#_Toc57621765)

**[4.2.3 POST 请求参数](#_Toc57621766)** [19](#_Toc57621766)

**[4.2.4 请求JSON 示例](#_Toc57621767)** [19](#_Toc57621767)

**[4.2.5 响应JSON 示例](#_Toc57621768)** [20](#_Toc57621768)

**[4.2.6 异常JSON 示例](#_Toc57621769)** [20](#_Toc57621769)

**[4.2.7 业务错误码](#_Toc57621770)** [20](#_Toc57621770)

**[4.2.8 图片案例](#_Toc57621771)** [20](#_Toc57621771)

**[4.3 批量删除人员](#_Toc57621772)** [21](#_Toc57621772)

**[4.3.1 URL](#_Toc57621773)** [21](#_Toc57621773)

**[4.3.2 请求头](#_Toc57621774)** [21](#_Toc57621774)

**[4.3.3 POST 请求参数](#_Toc57621775)** [21](#_Toc57621775)

**[4.3.4 请求JSON 示例](#_Toc57621776)** [22](#_Toc57621776)

**[4.3.5 响应JSON 示例](#_Toc57621777)** [22](#_Toc57621777)

**[4.3.6 异常JSON 示例](#_Toc57621778)** [22](#_Toc57621778)

**[4.3.7 业务错误码](#_Toc57621779)** [22](#_Toc57621779)

**[4.3.8 图片案例](#_Toc57621780)** [23](#_Toc57621780)

**[4.4 查询建筑下所有内部人员](#_Toc57621781)** [23](#_Toc57621781)

**[4.4.1 URL](#_Toc57621782)** [23](#_Toc57621782)

**[4.4.2 请求头](#_Toc57621783)** [23](#_Toc57621783)

**[4.4.3 POST 请求参数](#_Toc57621784)** [24](#_Toc57621784)

**[4.4.4 请求响应参数](#_Toc57621785)** [24](#_Toc57621785)

**[4.4.5 请求JSON 示例](#_Toc57621786)** [24](#_Toc57621786)

**[4.4.6 响应JSON 示例](#_Toc57621787)** [24](#_Toc57621787)

**[4.4.7 异常JSON 示例](#_Toc57621788)** [25](#_Toc57621788)

**[4.4.8 业务错误码](#_Toc57621789)** [26](#_Toc57621789)

**[4.4.9 图片案例](#_Toc57621790)** [26](#_Toc57621790)

**[4.5 岗位名称查询](#_Toc57621791)** [26](#_Toc57621791)

**[4.5.1 URL](#_Toc57621792)** [26](#_Toc57621792)

**[4.5.2 请求头](#_Toc57621793)** [26](#_Toc57621793)

**[4.5.3 POST 请求参数](#_Toc57621794)** [27](#_Toc57621794)

**[4.5.4 请求响应参数](#_Toc57621795)** [27](#_Toc57621795)

**[4.5.5 请求JSON 示例](#_Toc57621796)** [27](#_Toc57621796)

**[4.5.6 响应JSON 示例](#_Toc57621797)** [27](#_Toc57621797)

**[4.5.7 异常JSON 示例](#_Toc57621798)** [28](#_Toc57621798)

**[4.5.8 业务错误码](#_Toc57621799)** [28](#_Toc57621799)

**[4.5.9 图片案例](#_Toc57621800)** [29](#_Toc57621800)

**[4.6 查询建筑下所有部门](#_Toc57621801)** [29](#_Toc57621801)

**[4.6.1 URL](#_Toc57621802)** [29](#_Toc57621802)

**[4.6.2 请求头](#_Toc57621803)** [29](#_Toc57621803)

**[4.6.3 POST 请求参数](#_Toc57621804)** [29](#_Toc57621804)

**[4.6.4 请求响应参数](#_Toc57621805)** [30](#_Toc57621805)

**[4.6.5 请求JSON 示例](#_Toc57621806)** [30](#_Toc57621806)

**[4.6.6 响应JSON 示例](#_Toc57621807)** [30](#_Toc57621807)

**[4.6.7 异常JSON 示例](#_Toc57621808)** [31](#_Toc57621808)

**[4.6.8 业务错误码](#_Toc57621809)** [32](#_Toc57621809)

**[4.6.9 图片案例](#_Toc57621810)** [32](#_Toc57621810)

**[4.7 添加部门](#_Toc57621811)** [33](#_Toc57621811)

**[4.7.1 URL](#_Toc57621812)** [33](#_Toc57621812)

**[4.7.2 请求头](#_Toc57621813)** [33](#_Toc57621813)

**[4.7.3 POST 请求参数](#_Toc57621814)** [33](#_Toc57621814)

**[4.7.4 请求JSON 示例](#_Toc57621815)** [34](#_Toc57621815)

**[4.7.5 响应JSON 示例](#_Toc57621816)** [34](#_Toc57621816)

**[4.7.6 异常JSON 示例](#_Toc57621817)** [34](#_Toc57621817)

**[4.7.7 业务错误码](#_Toc57621818)** [34](#_Toc57621818)

**[4.7.8 图片案例](#_Toc57621819)** [35](#_Toc57621819)

**[4.8 查询建筑下所有承包商人员](#_Toc57621820)** [35](#_Toc57621820)

**[4.8.1 URL](#_Toc57621821)** [35](#_Toc57621821)

**[4.8.2 请求头](#_Toc57621822)** [35](#_Toc57621822)

**[4.8.3 POST 请求参数](#_Toc57621823)** [35](#_Toc57621823)

**[4.8.4 请求响应参数](#_Toc57621824)** [36](#_Toc57621824)

**[4.8.5 请求JSON 示例](#_Toc57621825)** [36](#_Toc57621825)

**[4.8.6 响应JSON 示例](#_Toc57621826)** [36](#_Toc57621826)

**[4.8.7 异常JSON 示例](#_Toc57621827)** [37](#_Toc57621827)

**[4.8.8 业务错误码](#_Toc57621828)** [38](#_Toc57621828)

**[4.8.9 图片案例](#_Toc57621829)** [38](#_Toc57621829)

[五、报警API 38](#_Toc57621830)

**[5.1 报（预）警信息订阅](#_Toc57621831)** [38](#_Toc57621831)

**[5.1.1 预警类型](#_Toc57621832)** [39](#_Toc57621832)

**[5.1.2 URL](#_Toc57621833)** [39](#_Toc57621833)

**[5.1.3 请求头](#_Toc57621834)** [39](#_Toc57621834)

**[5.1.4 POST 请求参数](#_Toc57621835)** [39](#_Toc57621835)

**[5.1.5 请求JSON 示例](#_Toc57621836)** [40](#_Toc57621836)

**[5.1.6 响应JSON 示例](#_Toc57621837)** [40](#_Toc57621837)

**[5.1.7 异常JSON 示例](#_Toc57621838)** [40](#_Toc57621838)

**[5.1.8 业务错误码](#_Toc57621839)** [40](#_Toc57621839)

**[5.1.9 图片案例](#_Toc57621840)** [40](#_Toc57621840)

**[5.2 报（预）警信息订阅推送至第三方](#_Toc57621841)** [41](#_Toc57621841)

**[5.2.1 推送至订阅地址](#_Toc57621842)** [41](#_Toc57621842)

**[5.2.2 POST 推送参数实体（第三方接收参数）](#_Toc57621843)** [41](#_Toc57621843)

**[5.3 查询报警列表](#_Toc57621844)** [42](#_Toc57621844)

**[5.3.1 URL](#_Toc57621845)** [42](#_Toc57621845)

**[5.3.2 请求头](#_Toc57621846)** [42](#_Toc57621846)

**[5.3.3 POST 请求参数](#_Toc57621847)** [42](#_Toc57621847)

**[5.3.4 请求响应参数](#_Toc57621848)** [42](#_Toc57621848)

**[5.3.5 请求JSON 示例](#_Toc57621849)** [43](#_Toc57621849)

**[5.3.6 响应JSON 示例](#_Toc57621850)** [43](#_Toc57621850)

**[5.3.7 异常JSON 示例](#_Toc57621851)** [44](#_Toc57621851)

**[5.3.8 业务错误码](#_Toc57621852)** [44](#_Toc57621852)

**[5.3.9 图片案例](#_Toc57621853)** [44](#_Toc57621853)

**[5.4 批量处理报警信息](#_Toc57621854)** [45](#_Toc57621854)

**[5.4.1 URL](#_Toc57621855)** [45](#_Toc57621855)

**[5.4.2 请求头](#_Toc57621856)** [45](#_Toc57621856)

**[5.4.3 POST 请求参数](#_Toc57621857)** [45](#_Toc57621857)

**[5.4.4 请求JSON 示例](#_Toc57621858)** [46](#_Toc57621858)

**[5.4.5 响应JSON 示例](#_Toc57621859)** [46](#_Toc57621859)

**[5.4.6 异常JSON 示例](#_Toc57621860)** [46](#_Toc57621860)

**[5.4.7 业务错误码](#_Toc57621861)** [46](#_Toc57621861)

**[5.4.8 图片案例](#_Toc57621862)** [46](#_Toc57621862)

[六、区域API 47](#_Toc57621863)

**[6.1 查询区域列表](#_Toc57621864)** [47](#_Toc57621864)

**[6.1.1 URL](#_Toc57621865)** [47](#_Toc57621865)

**[6.1.2 请求头](#_Toc57621866)** [47](#_Toc57621866)

**[6.1.3 POST请求参数](#_Toc57621867)** [47](#_Toc57621867)

**[6.1.4 请求响应参数](#_Toc57621868)** [47](#_Toc57621868)

**[6.1.5 请求JSON 示例](#_Toc57621869)** [48](#_Toc57621869)

**[6.1.6 响应JSON 示例](#_Toc57621870)** [48](#_Toc57621870)

**[6.1.7 异常JSON 示例](#_Toc57621871)** [49](#_Toc57621871)

**[6.1.8 业务错误码](#_Toc57621872)** [49](#_Toc57621872)

**[6.1.9 图片案例](#_Toc57621873)** [49](#_Toc57621873)

**[6.2 查询区域分类列表](#_Toc57621874)** [50](#_Toc57621874)

**[6.2.1 URL](#_Toc57621875)** [50](#_Toc57621875)

**[6.2.2 请求头](#_Toc57621876)** [50](#_Toc57621876)

**[6.2.3 POST请求参数](#_Toc57621877)** [50](#_Toc57621877)

**[6.2.4 请求响应参数](#_Toc57621878)** [50](#_Toc57621878)

**[6.2.5 请求JSON 示例](#_Toc57621879)** [51](#_Toc57621879)

**[6.2.6 响应JSON 示例](#_Toc57621880)** [51](#_Toc57621880)

**[6.2.7 异常JSON 示例](#_Toc57621881)** [53](#_Toc57621881)

**[6.2.8 业务错误码](#_Toc57621882)** [53](#_Toc57621882)

**[6.2.9 图片案例](#_Toc57621883)** [53](#_Toc57621883)

**[6.3 查询当前区域人数](#_Toc57621884)** [54](#_Toc57621884)

**[6.3.1 URL](#_Toc57621885)** [54](#_Toc57621885)

**[6.3.2 请求头](#_Toc57621886)** [54](#_Toc57621886)

**[6.3.3 POST 请求参数](#_Toc57621887)** [54](#_Toc57621887)

**[6.3.4 请求响应参数](#_Toc57621888)** [54](#_Toc57621888)

**[6.3.5 请求 JSON 示例](#_Toc57621889)** [54](#_Toc57621889)

**[6.3.6 响应 JSON 示例](#_Toc57621890)** [54](#_Toc57621890)

**[6.3.7 异常 JSON 示例](#_Toc57621891)** [55](#_Toc57621891)

**[6.3.8 业务错误码](#_Toc57621892)** [55](#_Toc57621892)

**[6.3.9 图片案例](#_Toc57621893)** [56](#_Toc57621893)

**[6.4 查询风险分区列表](#_Toc57621894)** [56](#_Toc57621894)

**[6.4.1 URL](#_Toc57621895)** [56](#_Toc57621895)

**[6.4.2 请求头](#_Toc57621896)** [56](#_Toc57621896)

**[6.4.3 POST 请求参数](#_Toc57621897)** [56](#_Toc57621897)

**[6.4.4 请求响应参数](#_Toc57621898)** [57](#_Toc57621898)

**[6.4.5 请求JSON 示例](#_Toc57621899)** [58](#_Toc57621899)

**[6.4.6 响应JSON 示例](#_Toc57621900)** [58](#_Toc57621900)

**[6.4.6 异常JSON 示例](#_Toc57621901)** [59](#_Toc57621901)

**[6.4.7 业务错误码](#_Toc57621902)** [60](#_Toc57621902)

**[6.4.8 图片案例](#_Toc57621903)** [60](#_Toc57621903)

**[6.5 添加风险分区](#_Toc57621904)** [61](#_Toc57621904)

**[6.5.1 URL](#_Toc57621905)** [61](#_Toc57621905)

**[6.5.2 请求头](#_Toc57621906)** [61](#_Toc57621906)

**[6.5.3 POST 请求参数](#_Toc57621907)** [61](#_Toc57621907)

**[6.5.4 请求JSON 示例](#_Toc57621908)** [62](#_Toc57621908)

**[6.5.5 响应JSON 示例](#_Toc57621909)** [63](#_Toc57621909)

**[6.5.6 异常JSON 示例](#_Toc57621910)** [63](#_Toc57621910)

**[6.5.7 业务错误码](#_Toc57621911)** [64](#_Toc57621911)

**[6.5.8 图片案例](#_Toc57621912)** [64](#_Toc57621912)

**[6.6 查询单个风险分区](#_Toc57621913)** [65](#_Toc57621913)

**[6.6.1 URL](#_Toc57621914)** [65](#_Toc57621914)

**[6.6.2 请求头](#_Toc57621915)** [65](#_Toc57621915)

**[6.6.3 POST 请求参数](#_Toc57621916)** [65](#_Toc57621916)

**[6.6.4 请求响应参数](#_Toc57621917)** [66](#_Toc57621917)

**[6.6.5 请求JSON 示例](#_Toc57621918)** [67](#_Toc57621918)

**[6.6.6 响应JSON 示例](#_Toc57621919)** [67](#_Toc57621919)

**[6.6.7 异常JSON 示例](#_Toc57621920)** [68](#_Toc57621920)

**[6.6.8 业务错误码](#_Toc57621921)** [69](#_Toc57621921)

**[6.6.9 图片案例](#_Toc57621922)** [69](#_Toc57621922)

**[6.7 删除风险分区](#_Toc57621923)** [69](#_Toc57621923)

**[6.7.1 URL](#_Toc57621924)** [70](#_Toc57621924)

**[6.7.2 请求头](#_Toc57621925)** [70](#_Toc57621925)

**[6.7.3 POST请求参数](#_Toc57621926)** [70](#_Toc57621926)

**[6.7.4 请求JSON 示例](#_Toc57621927)** [70](#_Toc57621927)

**[6.7.5 响应JSON 示例](#_Toc57621928)** [70](#_Toc57621928)

**[6.7.6 异常JSON 示例](#_Toc57621929)** [70](#_Toc57621929)

**[7.7.7 业务错误码](#_Toc57621930)** [71](#_Toc57621930)

**[7.7.8 图片案例](#_Toc57621931)** [71](#_Toc57621931)

**[6.8 修改风险分区](#_Toc57621932)** [71](#_Toc57621932)

**[6.8.1 URL](#_Toc57621933)** [72](#_Toc57621933)

**[6.8.2 请求头](#_Toc57621934)** [72](#_Toc57621934)

**[6.8.3 POST 请求参数](#_Toc57621935)** [72](#_Toc57621935)

**[6.8.4 请求JSON 示例](#_Toc57621936)** [72](#_Toc57621936)

**[6.8.5 响应JSON 示例](#_Toc57621937)** [73](#_Toc57621937)

**[6.8.6 异常JSON 示例](#_Toc57621938)** [73](#_Toc57621938)

**[6.8.7 业务错误码](#_Toc57621939)** [74](#_Toc57621939)

**[6.8.8 图片案例](#_Toc57621940)** [74](#_Toc57621940)

[七、图片API 74](#_Toc57621941)

**[7.1 人员照片上传](#_Toc57621942)** [75](#_Toc57621942)

**[7.1.1 URL](#_Toc57621943)** [75](#_Toc57621943)

**[7.1.2 请求头](#_Toc57621944)** [75](#_Toc57621944)

**[7.1.3 表单 POST 请求参数](#_Toc57621945)** [75](#_Toc57621945)

**[7.1.4 表单 POST 请求示例](#_Toc57621946)** [75](#_Toc57621946)

**[7.1.5 响应JSON 示例](#_Toc57621947)** [75](#_Toc57621947)

**[7.1.6 异常JSON 示例](#_Toc57621948)** [75](#_Toc57621948)

**[7.1.7 业务错误码](#_Toc57621949)** [76](#_Toc57621949)

**[7.1.8 图片案例](#_Toc57621950)** [76](#_Toc57621950)

**[7.2 人员图片查看](#_Toc57621951)** [76](#_Toc57621951)

**[7.2.1 URL](#_Toc57621952)** [76](#_Toc57621952)

**[7.2.2 请求头](#_Toc57621953)** [77](#_Toc57621953)

**[7.2.3 表单Get 请求参数](#_Toc57621954)** [77](#_Toc57621954)

**[7.2.4 表单Get 请求示例](#_Toc57621955)** [77](#_Toc57621955)

**[7.2.5 响应 图片 示例](#_Toc57621956)** [77](#_Toc57621956)

**[7.2.6 异常 图片 示例](#_Toc57621957)** [77](#_Toc57621957)

[八、作业票 API 78](#_Toc57621958)

**[8.1添加作业票](#_Toc57621959)** [78](#_Toc57621959)

**[8.1.1 URL](#_Toc57621960)** [78](#_Toc57621960)

**[8.1.2 请求头](#_Toc57621961)** [78](#_Toc57621961)

**[8.1.3 POST 请求参数](#_Toc57621962)** [78](#_Toc57621962)

**[8.1.4 请求JSON 示例](#_Toc57621963)** [79](#_Toc57621963)

**[8.1.5 响应JSON 示例](#_Toc57621964)** [80](#_Toc57621964)

**[8.1.6 异常JSON 示例](#_Toc57621965)** [81](#_Toc57621965)

**[8.1.7业务错误码](#_Toc57621966)** [81](#_Toc57621966)

**[8.1.8 图片案例](#_Toc57621967)** [81](#_Toc57621967)

**[8.2 删除作业票](#_Toc57621968)** [82](#_Toc57621968)

**[8.2.1 URL](#_Toc57621969)** [82](#_Toc57621969)

**[8.2.2 请求头](#_Toc57621970)** [82](#_Toc57621970)

**[8.2.3 POST 请求参数](#_Toc57621971)** [82](#_Toc57621971)

**[8.2.4 请求JSON 示例](#_Toc57621972)** [83](#_Toc57621972)

**[8.2.5 响应JSON 示例](#_Toc57621973)** [83](#_Toc57621973)

**[8.2.6 异常JSON 示例](#_Toc57621974)** [83](#_Toc57621974)

**[8.2.7 业务错误码](#_Toc57621975)** [83](#_Toc57621975)

**[8.2.8 图片案例](#_Toc57621976)** [83](#_Toc57621976)

**[8.3 作业票查询](#_Toc57621977)** [84](#_Toc57621977)

**[8.3.1 URL](#_Toc57621978)** [84](#_Toc57621978)

**[8.3.2 请求头](#_Toc57621979)** [84](#_Toc57621979)

**[8.3.3 POST 请求参数](#_Toc57621980)** [84](#_Toc57621980)

**[8.3.4 请求响应参数](#_Toc57621981)** [85](#_Toc57621981)

**[8.3.5 请求JSON 示例](#_Toc57621982)** [85](#_Toc57621982)

**[8.3.6 响应JSON 示例](#_Toc57621983)** [86](#_Toc57621983)

**[8.3.7 异常JSON 示例](#_Toc57621984)** [88](#_Toc57621984)

**[8.3.8 业务错误码](#_Toc57621985)** [88](#_Toc57621985)

**[8.3.9 图片案例](#_Toc57621986)** [88](#_Toc57621986)

[九、用户扩展数据API 89](#_Toc57621987)

**[9.1 添加用户扩展数据](#_Toc57621988)** [89](#_Toc57621988)

**[9.1.1 URL](#_Toc57621989)** [89](#_Toc57621989)

**[9.1.2 请求头](#_Toc57621990)** [89](#_Toc57621990)

**[9.1.3 POST 请求参数](#_Toc57621991)** [89](#_Toc57621991)

**[9.1.4 请求JSON 示例](#_Toc57621992)** [90](#_Toc57621992)

**[9.1.5 响应JSON 示例](#_Toc57621993)** [91](#_Toc57621993)

**[9.1.6 异常JSON 示例](#_Toc57621994)** [91](#_Toc57621994)

**[9.1.7 业务错误码](#_Toc57621995)** [92](#_Toc57621995)

**[9.1.8 图片案例](#_Toc57621996)** [92](#_Toc57621996)

**[9.2 删除用户扩展数据](#_Toc57621997)** [92](#_Toc57621997)

**[9.2.1 URL](#_Toc57621998)** [92](#_Toc57621998)

**[9.2.2 请求头](#_Toc57621999)** [92](#_Toc57621999)

**[9.2.3 POST请求参数](#_Toc57622000)** [92](#_Toc57622000)

**[9.2.4 请求JSON 示例](#_Toc57622001)** [93](#_Toc57622001)

**[9.2.5 响应JSON 示例](#_Toc57622002)** [93](#_Toc57622002)

**[9.2.6 异常JSON 示例](#_Toc57622003)** [93](#_Toc57622003)

**[9.2.7 业务错误码](#_Toc57622004)** [93](#_Toc57622004)

**[9.2.8 图片案例](#_Toc57622005)** [93](#_Toc57622005)

[附录：返回码参考 94](#_Toc57622006)

**修订记录**

|  |  |  |  |
| --- | --- | --- | --- |
| 修订日期 | 修订版本 | 修订者 | 更新内容 |
| 2020年8月17日 | v4.1 | 郝文钦 | 定稿 |
| 2020年10月28日 | v4.2 | 黄珍玉 | 1.在 人员API“4.1批量添加人员”和“4.2批量修改人员”接口增加一个非必填字段“人员链接url”   1. 在 人员API“4.4 查询建筑下所有人”岗位id字段、添加部门id字段和部门名称字段 |
| 2020年12月03日 | v4.3 | 郝文钦 | 人员API   1. 更新编号4.4 “查询建筑下所有人员”名称更新为“查询建筑下所有内部人员”，**请求响应参数** 图标ID 原 String 更新为 Long   2.新增编号4.8“承包商人员查询接口” |
|  |  |  |  |
|  |  |  |  |

**一、 概述**

本文档为第三方应用系统与人员定位系统进行数据对接提供指导。

**二、公共响应参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| status | String | 是 | 返回状态，如：ok |
| code | int | 是 | 返回码，如：0 |
| errMsg | String | 是 | 返回信息，如：令牌失效 |
| data | Object | 否 | 返回数据 |

**三、令牌API**

**3.1获取授权令牌**

**注：影响版本：化工4.1及以上版本都适用**

token令牌是验证身份的唯一标识，token的有效时间为2小时，在token失效前，需要重新获取token令牌。

**3.1.1 URL**

/api/v2/get-token

**3.1.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| Authorization | String | 是 | 鉴权字段 | 837E4298012365423169079720895C06 |

Authorization生成规则

站长工具网址：<http://tool.chinaz.com/Tools/md5.aspx>

Authorization 是appId + secret组成的字符串由MD5加密一次 后，把加密后的结果，在加密一次，最后全部转成大写。

secret 是在开放平台获取 如下



如md5(md5(appId + secret)).toUpperCase();

**注：**appId为真趣账户名，secret由真趣。



用上次加密出来的结果再次加密



**3.1.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildIdList | List<String> | 是 | 建筑ID列表 |
| appId | String | 是 | 主账户名 |

**3.1.4 请求JSON 示例**

{  
    **"buildIdList"**:[  
        **"200036"**  
    ],  
    **"appId"**:**"client"**  
}

**3.1.5 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:**"618BD91C4BF44FEA92143C43B7CC3939"**  
}

**3.1.6 异常JSON 示例**

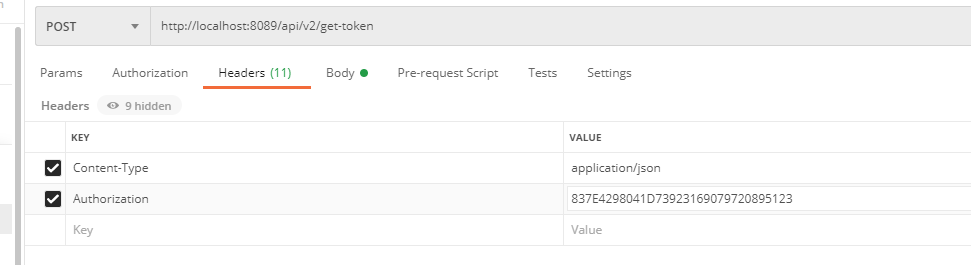
{  
    **"data"**:**"JSON格式错误"**,  
    **"code"**:**1201**,  
    **"status"**:**"error"**  
}

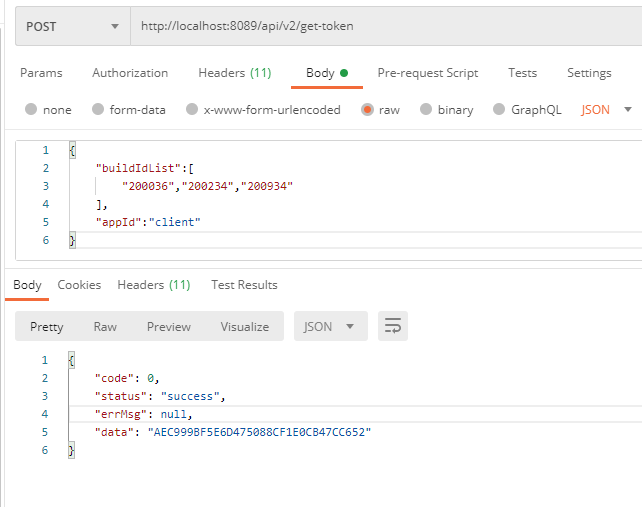
{  
    **"data"**:**"鉴权数据不能是空"**,  
    **"code"**:**1001**,  
    **"status"**:**"error"**  
}

**3.1.7 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | Authorization鉴权数据不能是空 |
| 1002 | Authorization无此建筑权限 |
| 1003 | Authorization鉴权数据无效 |
| 1201 | JSON格式错误 |

**3.1.8 图片案例**





**四、人员API**

**4.1 批量添加人员**

**适用版本：化工4.1及以上版本**

暂不支持门禁卡号

**4.1.1 URL**

/api/v2/person/add

**4.1.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**4.1.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |
| data | List | 是 | 人员数据 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数data（List） | 类型 | 是否必填 | 长度 | 描述 |
| postName | String | 是 | 20 | 岗位名称 |
| departId | Long | 是 |  | 部门ID |
| name | String | 是 | 12 | 人员姓名 |
| sex | Integer | 否 | 1 | 性别：0（男） 或 1（女） |
| sn | String | 是 | 12 | SN 号 |
| iconId | Long | 否 | 1-36 | 图标ID。不填写 则跟随岗位帽子ID |
| alarmTemplate | String | 否 |  | 报警模板名称。不填写则默认岗位自带模板 |
| role | Long | 否 | 0-2 | 角色，默认是 职位员工（0）、管理人员（1）、企业负责人（2） |
| url | String | 否 | 200 | 人员详情链接 |

**4.1.4 请求JSON 示例**

{  
    **"buildId"**:**"200234"**,  
    **"data"**:[  
        {  
            **"postName"**:**"检查员"**,  
            **"departId"**:**238**,  
            **"name"**:**"2020年9月2日"**,  
            **"sn"**:**"20200902916"**  
        },  
        {  
            **"postName"**:**"检查员"**,  
            **"departId"**:**238**,  
            **"name"**:**"2020年9月3日"**,  
            **"sn"**:**"20200902917"**  
        }  
    ]  
}

**4.1.5 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:[  
        {  
            **"sn"**:**"20200902916"**,  
            **"id"**:**"14874"**  
        },  
        {  
            **"sn"**:**"20200902917"**,  
            **"id"**:**"14875"**  
        }  
    ]  
}

**4.1.6 异常JSON 示例**

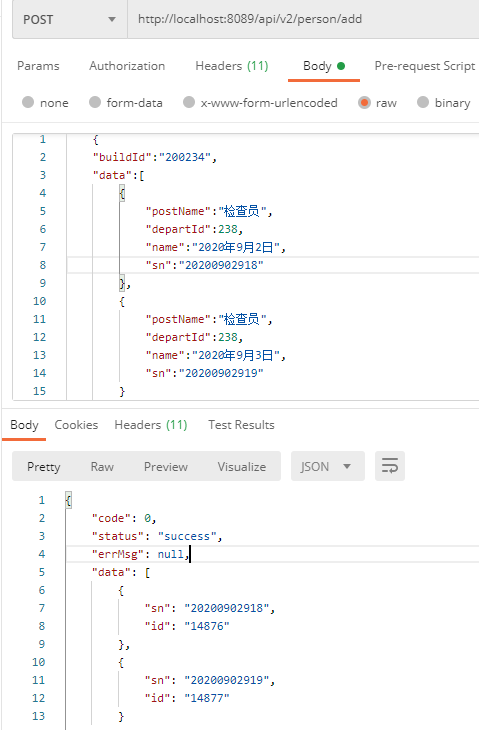
{  
    **"msg"**:**"岗位不能为空"**,  
    **"code"**:**400**  
}

{  
    **"data"**:**"[20200902916]已被绑定"**,  
    **"code"**:**1301**,  
    **"status"**:**"error"**  
}

**4.1.7 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |
| 1801 | 无该部门 |
| 1301 | SN 已被绑定 |
| 1202 | 日期格式错误 |

**4.1.8 图片案例**



**4.2 批量修改人员**

**适用版本：化工4.1及以上版本**

暂不支持门禁卡号

**4.2.1 URL**

/api/v2/person/edit

**4.2.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**4.2.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |
| data | List | 是 | 人员数据 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数data（List） | 类型 | 是否必填 | 长度 | 描述 |
| id | Long | 是 |  | 人员ID |
| postName | String | 是 | 20 | 岗位名称 |
| departId | Long | 是 |  | 部门ID |
| name | String | 是 | 12 | 人员姓名 |
| sex | Integer | 否 | 1 | 性别：0（男） 或 1（女） |
| sn | String | 是 | 12 | SN号 |
| iconId | Long | 否 | 1-36 | 图标ID。不填写 则跟随岗位帽子ID |
| alarmTemplate | String | 否 |  | 报警模板名称。不填写则默认岗位自带模板 |
| role | Long | 否 | 0-2 | 角色，默认是 职位员工（0）、管理人员（1）、企业负责人（2） |
| url | String | 否 | 200 | 人员详情链接 |

**4.2.4 请求JSON 示例**

{  
    **"buildId"**:**"200234"**,  
    **"data"**:[  
        {  
            **"id"**:**14876**,  
            **"postName"**:**"检查员"**,  
            **"departId"**:**238**,  
            **"name"**:**"der哥"**,  
            **"sn"**:**"20200902918"**  
        },  
        {  
            **"id"**:**14877**,  
            **"postName"**:**"检查员"**,  
            **"departId"**:**238**,  
            **"name"**:**"der哥"**,  
            **"sn"**:**"20200902919"**  
        }  
    ]  
}

**4.2.5 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:**null**  
}

**4.2.6 异常JSON 示例**

{  
    **"msg"**:**"SN号长度为12"**,  
    **"code"**:**400**  
}

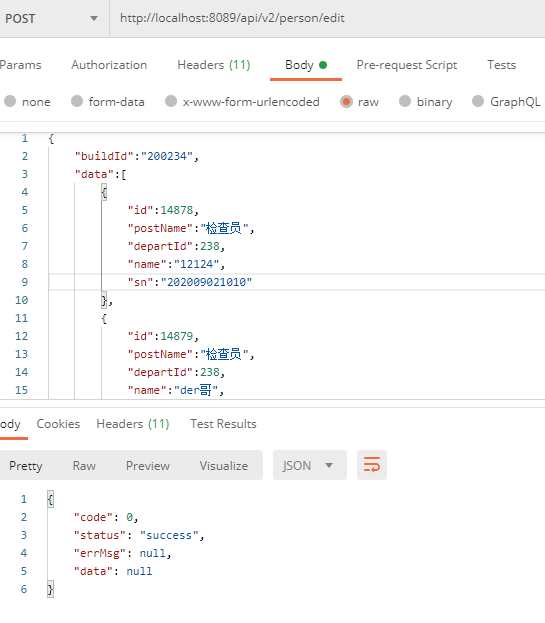
{  
    **"data"**:**"无该人员"**,  
    **"code"**:**1302**,  
    **"status"**:**"error"**  
}

{  
    **"data"**:**"JSON格式错误"**,  
    **"code"**:**1201**,  
    **"status"**:**"error"**  
}

**4.2.7 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |
| 1801 | 无该部门 |
| 1301 | SN 已被绑定 |
| 1202 | 日期格式错误 |
| 1302 | 无该人员 |

**4.2.8 图片案例**



**4.3 批量删除人员**

**适用版本：化工4.1及以上版本**

**4.3.1 URL**

/api/v2/person/delete

**4.3.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**4.3.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |
| data | List<String> | 是 | 人员ID |

**4.3.4 请求JSON 示例**

{  
    **"buildId"**:**"200234"**,  
    **"data"**:[  
        **"14488"**,**"14486"**  
    ]  
}

**4.3.5 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:**null**  
}

**4.3.6 异常JSON 示例**

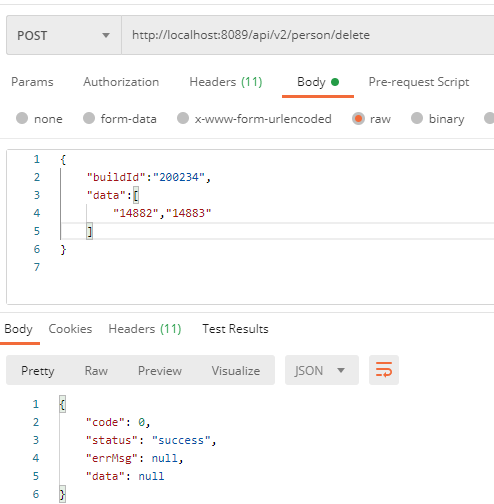
{  
    **"data"**:**"无该人员[14880]"**,  
    **"code"**:**1302**,  
    **"status"**:**"error"**  
}

{  
    **"data"**:**"JSON格式错误"**,  
    **"code"**:**1201**,  
    **"status"**:**"error"**  
}

**4.3.7 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |
| 1302 | 无该人员 |

**4.3.8 图片案例**



**4.4 查询建筑下所有内部人员**

**适用版本：化工4.1及以上版本**

低电量报警在此版本已去除、暂不支持门禁卡号

**4.4.1 URL**

/api/v2/person/list

**4.4.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**4.4.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |
| pageNumber | Integer | 是 | 第几页，最小是1 |
| pageSize | Integer | 是 | 每页显示数据条数，最小是15，最大是1000 |

**4.4.4 请求响应参数**

|  |  |  |
| --- | --- | --- |
| 参数 | 类型 | 描述 |
| id | Long | 人员ID |
| postId | Long | 岗位ID |
| postName | String | 岗位 |
| departId | Long | 部门ID |
| departName | String | 部门名称 |
| name | String | 人员姓名 |
| sex | String | 性别 |
| sn | String | SN 号 |
| cardNumber | String | 门禁卡号 |
| iconId | Long | 图标ID |
| alarmTemplate | String | 报警模板 |
| extFields | String | 扩展数据 |
| url | String | 人员详情链接 |

|  |  |  |
| --- | --- | --- |
| 参数 | 类型 | 描述 |
| content | Object | 数据 |
| totalElements | Long | 总条数 |
| totalPages | Integer | 总页数 |
| presentPage | Integer | 当前页 |

**4.4.5 请求JSON 示例**

{  
    **"buildId"**:**"200234"**,  
    **"pageNumber"**:**1**,  
    **"pageSize"**:**15**  
}

**4.4.6 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:{  
        **"content"**:[  
            {  
                **"id"**:**14895**,  
                **"postName"**:**"项目总监"**,  
                **"name"**:**"小小129"**,  
                **"sex"**:**"女"**,  
                **"sn"**:**"2929E06E4558"**,  
                **"cardNumber"**:**null**,  
                **"iconId"**:**1**,  
                **"alarmTemplate"**:**"这是名字11"**,  
                **"extFields"**:**null**  
            },  
            {  
                **"id"**:**14896**,  
                **"postName"**:**"项目总监"**,  
                **"name"**:**"卡时代峻峰"**,  
                **"sex"**:**null**,  
                **"sn"**:**"652198754935"**,  
                **"cardNumber"**:**null**,  
                **"iconId"**:**1**,  
                **"alarmTemplate"**:**"这是名字11"**,  
                **"extFields"**:**null**  
            },  
            {  
                **"id"**:**14897**,  
                **"postName"**:**"项目总监"**,  
                **"name"**:**"小小130"**,  
                **"sex"**:**"女"**,  
                **"sn"**:**"2929E06E4559"**,  
                **"cardNumber"**:**null**,  
                **"iconId"**:**1**,  
                **"alarmTemplate"**:**"这是名字11"**,  
                **"extFields"**:**null**  
            },  
            {  
                **"id"**:**14891**,  
                **"postName"**:**"门卫大爷1"**,  
                **"name"**:**"测是顶级"**,  
                **"sex"**:**null**,  
                **"sn"**:**"951753698547"**,  
                **"cardNumber"**:**null**,  
                **"iconId"**:**13**,  
                **"alarmTemplate"**:**"vces1"**,  
                **"extFields"**:**null**  
            },  
            {  
                **"id"**:**14890**,  
                **"postName"**:**"检查员"**,  
                **"name"**:**"12124"**,  
                **"sex"**:**null**,  
                **"sn"**:**"202009021012"**,  
                **"cardNumber"**:**null**,  
                **"iconId"**:**1**,  
                **"alarmTemplate"**:**null**,  
                **"extFields"**:**null**  
            },  
            {  
                **"id"**:**14885**,  
                **"postName"**:**"检查员"**,  
                **"name"**:**"2020年9月3日"**,  
                **"sex"**:**null**,  
                **"sn"**:**"202009021011"**,  
                **"cardNumber"**:**null**,  
                **"iconId"**:**1**,  
                **"alarmTemplate"**:**null**,  
                **"extFields"**:**null**  
            },  
            {  
                **"id"**:**14884**,  
                **"postName"**:**"检查员2020年9月7日12:27:14"**,  
                **"name"**:**"2020年9月2日"**,  
                **"sex"**:**null**,  
                **"sn"**:**"202009021010"**,  
                **"cardNumber"**:**null**,  
                **"iconId"**:**null**,  
                **"alarmTemplate"**:**null**,  
                **"extFields"**:**null**  
            },  
            {  
                **"id"**:**14870**,  
                **"postName"**:**"门卫大爷1"**,  
                **"name"**:**"再测试一下"**,  
                **"sex"**:**null**,  
                **"sn"**:**"789654123852"**,  
                **"cardNumber"**:**null**,  
                **"iconId"**:**13**,  
                **"alarmTemplate"**:**"vces1"**,  
                **"extFields"**:**null**  
            },  
            {  
                **"id"**:**14869**,  
                **"postName"**:**"门卫大爷1"**,  
                **"name"**:**"再测试一下新代码"**,  
                **"sex"**:**null**,  
                **"sn"**:**"123654789953"**,  
                **"cardNumber"**:**null**,  
                **"iconId"**:**13**,  
                **"alarmTemplate"**:**"vces1"**,  
                **"extFields"**:**null**  
            },  
            {  
                **"id"**:**14868**,  
                **"postName"**:**"死飞司机"**,  
                **"name"**:**"测试新代码"**,  
                **"sex"**:**null**,  
                **"sn"**:**"123654789741"**,  
                **"cardNumber"**:**null**,  
                **"iconId"**:**26**,  
                **"alarmTemplate"**:**null**,  
                **"extFields"**:**null**  
            },  
            {  
                **"id"**:**14811**,  
                **"postName"**:**"工人"**,  
                **"name"**:**"凯文"**,  
                **"sex"**:**"女"**,  
                **"sn"**:**"985169874562"**,  
                **"cardNumber"**:**null**,  
                **"iconId"**:**1**,  
                **"alarmTemplate"**:**"vces1"**,  
                **"extFields"**:**null**  
            },  
            {  
                **"id"**:**14867**,  
                **"postName"**:**"检查员"**,  
                **"name"**:**"我是蔡文姬"**,  
                **"sex"**:**"女"**,  
                **"sn"**:**"202008261208"**,  
                **"cardNumber"**:**null**,  
                **"iconId"**:**1**,  
                **"alarmTemplate"**:**null**,  
                **"extFields"**:**null**  
            },  
            {  
                **"id"**:**14866**,  
                **"postName"**:**"1号"**,  
                **"name"**:**"设计师计算机"**,  
                **"sex"**:**"女"**,  
                **"sn"**:**"202008261207"**,  
                **"cardNumber"**:**null**,  
                **"iconId"**:**1**,  
                **"alarmTemplate"**:**null**,  
                **"extFields"**:**null**  
            },  
            {  
                **"id"**:**14865**,  
                **"postName"**:**"计算机15"**,  
                **"name"**:**"设计师计算机"**,  
                **"sex"**:**"女"**,  
                **"sn"**:**"202008261206"**,  
                **"cardNumber"**:**null**,  
                **"iconId"**:**36**,  
                **"alarmTemplate"**:**null**,  
                **"extFields"**:**null**  
            },  
            {  
                **"id"**:**14864**,  
                **"postName"**:**"1号"**,  
                **"name"**:**"设计师计算机"**,  
                **"sex"**:**"女"**,  
                **"sn"**:**"202008261205"**,  
                **"cardNumber"**:**null**,  
                **"iconId"**:**1**,  
                **"alarmTemplate"**:**null**,  
                **"extFields"**:**null**  
            }  
        ],  
        **"totalElements"**:**913**,  
        **"totalPages"**:**61**,  
        **"presentPage"**:**1**  
    }  
}

**4.4.7 异常JSON 示例**

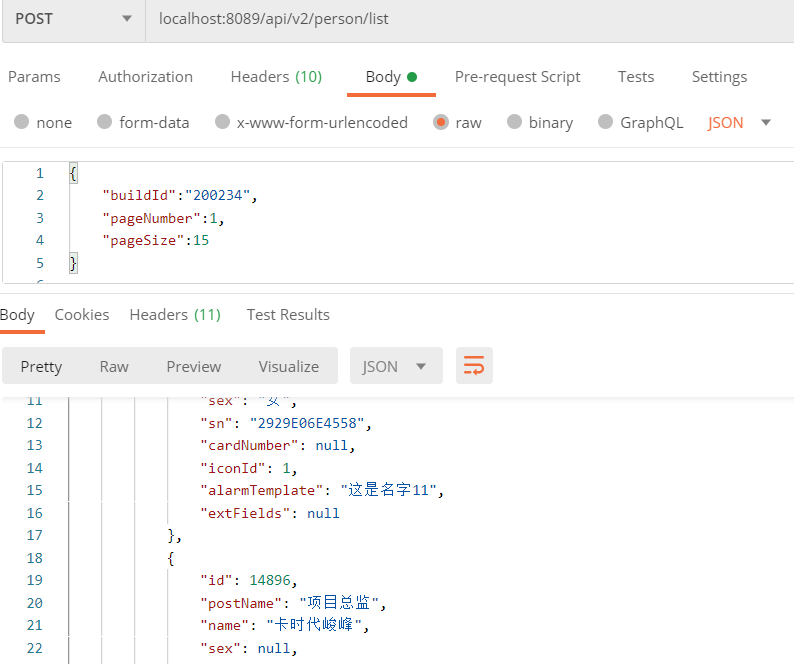
{  
    **"data"**:**"JSON格式错误"**,  
    **"code"**:**1201**,  
    **"status"**:**"error"**  
}

{  
    **"msg"**:**"条数不能是空"**,  
    **"code"**:**400**  
}

**4.4.8 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |

**4.4.9 图片案例**



**4.5 岗位名称查询**

**适用版本：化工4.1及以上版本**

**4.5.1 URL**

/api/v2/workJob/list-name

**4.5.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**4.5.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |

**4.5.4 请求响应参数**

|  |  |  |
| --- | --- | --- |
| 参数 | 类型 | 描述 |
| value | String | 岗位ID |
| label | String | 岗位名称 |

**4.5.5 请求JSON 示例**

{  
    **"buildId"**:**"200036"**  
}

**4.5.6 响应JSON 示例**

{  
    **"status"**:**"ok"**,  
    **"errorCode"**:**0**,  
    **"errmsg"**:**null**,  
    **"data"**:[  
        {  
            **"value"**:**199**,  
            **"label"**:**"门卫大爷"**  
        },  
        {  
            **"value"**:**200**,  
            **"label"**:**"文案"**  
        },  
        {  
            **"value"**:**204**,  
            **"label"**:**"厨师"**  
        },  
        {  
            **"value"**:**213**,  
            **"label"**:**"死飞司机"**  
        },  
        {  
            **"value"**:**214**,  
            **"label"**:**"111"**  
        },  
        {  
            **"value"**:**215**,  
            **"label"**:**"1112"**  
        },  
        {  
            **"value"**:**220**,  
            **"label"**:**"巡逻员"**  
        },  
        {  
            **"value"**:**302**,  
            **"label"**:**"测试工程师"**  
        },  
        {  
            **"value"**:**303**,  
            **"label"**:**"1112123123"**  
        },  
        {  
            **"value"**:**304**,  
            **"label"**:**"6666666666666"**  
        },  
        {  
            **"value"**:**305**,  
            **"label"**:**"giao"**  
        },  
        {  
            **"value"**:**306**,  
            **"label"**:**"工人"**  
        },  
        {  
            **"value"**:**308**,  
            **"label"**:**"厕所管理员"**  
        },  
        {  
            **"value"**:**309**,  
            **"label"**:**"呼啦圈"**  
        },  
        {  
            **"value"**:**310**,  
            **"label"**:**"今晚就下手"**  
        },  
        {  
            **"value"**:**311**,  
            **"label"**:**"7867"**  
        },  
        {  
            **"value"**:**312**,  
            **"label"**:**"666622"**  
        },  
        {  
            **"value"**:**313**,  
            **"label"**:**"傻不拉几"**  
        },  
        {  
            **"value"**:**314**,  
            **"label"**:**"测试新帽子"**  
        },  
        {  
            **"value"**:**315**,  
            **"label"**:**"车异响啊"**  
        },  
        {  
            **"value"**:**316**,  
            **"label"**:**"项目总监"**  
        }  
    ]  
}

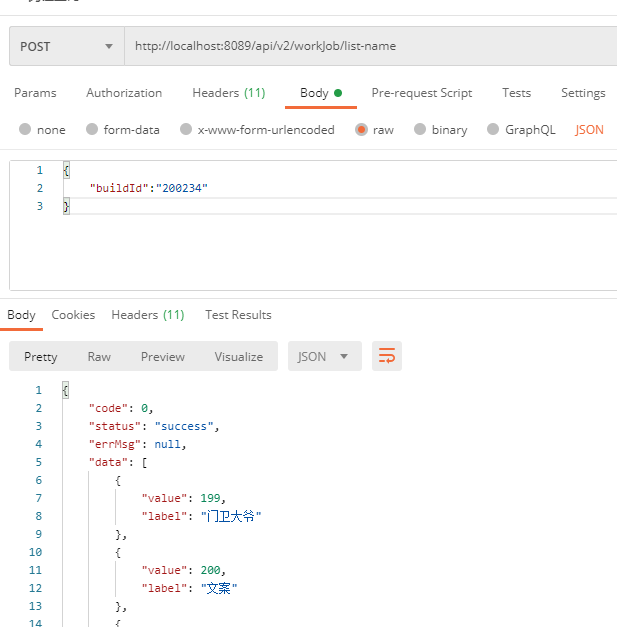
**4.5.7 异常JSON 示例**

{  
    **"data"**:**"JSON格式错误"**,  
    **"code"**:**1201**,  
    **"status"**:**"error"**  
}

**4.5.8 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |

**4.5.9 图片案例**



**4.6 查询建筑下所有部门**

**适用版本：化工4.1及以上版本**

**4.6.1 URL**

/api/v2/depart/list-all

**4.6.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**4.6.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |

**4.6.4 请求响应参数**

|  |  |  |
| --- | --- | --- |
| 参数 | 类型 | 描述 |
| id | Long | 部门ID |
| lable | String | 部门名称 |
| parentId | Long | 上级部门 |

**4.6.5 请求JSON 示例**

{  
    **"buildId"**:**"200036"**  
}

**4.6.6 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:[  
        {  
            **"id"**:**238**,  
            **"name"**:**"AAAA有限公司"**,  
            **"parentId"**:**null**  
        },  
        {  
            **"id"**:**242**,  
            **"name"**:**"后勤部89"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**255**,  
            **"name"**:**"测试长度缩减"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**256**,  
            **"name"**:**"测试长度测试长度测试长度测试长度测试长"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**258**,  
            **"name"**:**"保卫科"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**333**,  
            **"name"**:**"新增的"**,  
            **"parentId"**:**258**  
        },  
        {  
            **"id"**:**334**,  
            **"name"**:**"武装部"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**339**,  
            **"name"**:**"5678567"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**352**,  
            **"name"**:**"12312332323"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**365**,  
            **"name"**:**"1263123"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**368**,  
            **"name"**:**"热"**,  
            **"parentId"**:**365**  
        },  
        {  
            **"id"**:**370**,  
            **"name"**:**"销售部"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**390**,  
            **"name"**:**"安防部"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**400**,  
            **"name"**:**"时刻就开始"**,  
            **"parentId"**:**258**  
        },  
        {  
            **"id"**:**408**,  
            **"name"**:**"妇产科"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**409**,  
            **"name"**:**"武装部7"**,  
            **"parentId"**:**258**  
        },  
        {  
            **"id"**:**411**,  
            **"name"**:**"武装部9"**,  
            **"parentId"**:**258**  
        },  
        {  
            **"id"**:**412**,  
            **"name"**:**"武工队10"**,  
            **"parentId"**:**408**  
        },  
        {  
            **"id"**:**413**,  
            **"name"**:**"武装部12"**,  
            **"parentId"**:**258**  
        },  
        {  
            **"id"**:**415**,  
            **"name"**:**"武装部14"**,  
            **"parentId"**:**258**  
        },  
        {  
            **"id"**:**417**,  
            **"name"**:**"武装部15"**,  
            **"parentId"**:**258**  
        },  
        {  
            **"id"**:**418**,  
            **"name"**:**"流口水"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**419**,  
            **"name"**:**"武工队16"**,  
            **"parentId"**:**418**  
        },  
        {  
            **"id"**:**420**,  
            **"name"**:**"武装部17"**,  
            **"parentId"**:**258**  
        },  
        {  
            **"id"**:**421**,  
            **"name"**:**"武工队17"**,  
            **"parentId"**:**418**  
        },  
        {  
            **"id"**:**422**,  
            **"name"**:**"武工队18"**,  
            **"parentId"**:**258**  
        },  
        {  
            **"id"**:**423**,  
            **"name"**:**"大佬q"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**424**,  
            **"name"**:**"武工队19"**,  
            **"parentId"**:**423**  
        },  
        {  
            **"id"**:**425**,  
            **"name"**:**"时间到了发"**,  
            **"parentId"**:**424**  
        },  
        {  
            **"id"**:**426**,  
            **"name"**:**"43211"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**428**,  
            **"name"**:**"1233"**,  
            **"parentId"**:**424**  
        },  
        {  
            **"id"**:**429**,  
            **"name"**:**"工人"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**439**,  
            **"name"**:**"哈卡士大夫"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**440**,  
            **"name"**:**"原料车间1"**,  
            **"parentId"**:**439**  
        },  
        {  
            **"id"**:**441**,  
            **"name"**:**"阿士大夫撒"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**442**,  
            **"name"**:**"原料车间2"**,  
            **"parentId"**:**441**  
        },  
        {  
            **"id"**:**443**,  
            **"name"**:**"原料车间11"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**444**,  
            **"name"**:**"原料车间21"**,  
            **"parentId"**:**441**  
        },  
        {  
            **"id"**:**447**,  
            **"name"**:**"测试部门"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**448**,  
            **"name"**:**"测试部门01"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**457**,  
            **"name"**:**"原料车间1111"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**458**,  
            **"name"**:**"原料车间11112"**,  
            **"parentId"**:**457**  
        },  
        {  
            **"id"**:**459**,  
            **"name"**:**"原料车间111"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**460**,  
            **"name"**:**"原料车间211"**,  
            **"parentId"**:**459**  
        },  
        {  
            **"id"**:**461**,  
            **"name"**:**"test2021"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**462**,  
            **"name"**:**"98测试"**,  
            **"parentId"**:**238**  
        },  
        {  
            **"id"**:**463**,  
            **"name"**:**"2098测试"**,  
            **"parentId"**:**462**  
        },  
        {  
            **"id"**:**467**,  
            **"name"**:**"测试部门02"**,  
            **"parentId"**:**238**  
        }  
    ]  
}

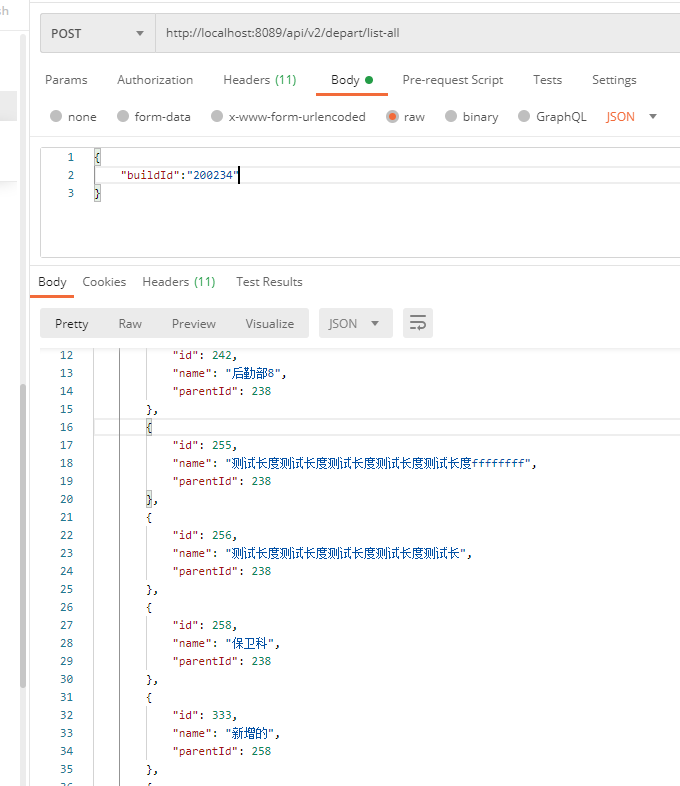
**4.6.7 异常JSON 示例**

{  
    **"data"**:**"JSON格式错误"**,  
    **"code"**:**1201**,  
    **"status"**:**"error"**  
}

**4.6.8 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |

**4.6.9 图片案例**



**4.7 添加部门**

**适用版本：化工4.1及以上版本**

**4.7.1 URL**

/api/v2/depart/add

**4.7.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**4.7.3 POST 请求参数**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 长度 | 描述 |
| buildId | String | 是 |  | 建筑ID |
| name | String | 是 | 30 | 部门名称 |
| parentId | Long | 是 |  | 上级部门 ID |

**4.7.4 请求JSON 示例**

{  
    **"buildId"**:**"200234"**,  
    **"name"**:**"3号"**,  
    **"parentId"**:**238**  
}

**4.7.5 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:**447**  
}

**4.7.6 异常JSON 示例**

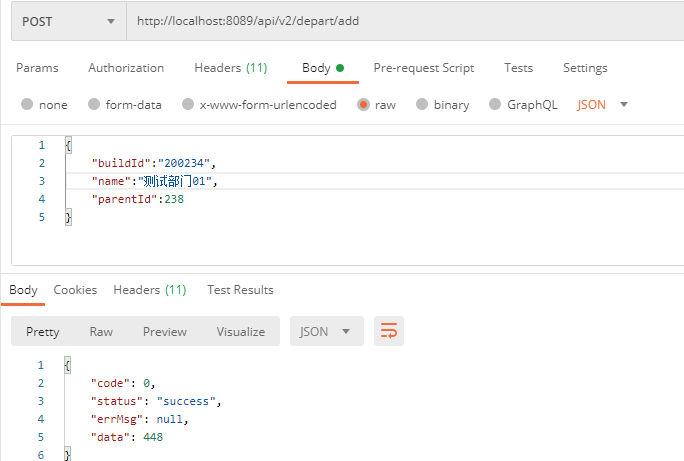
{  
    **"msg"**:**"上级部门ID不能等于空||部门名称不能等于空"**,  
    **"code"**:**400**  
}

{  
    **"data"**:**"部门已存在"**,  
    **"code"**:**1802**,  
    **"status"**:**"error"**  
}

**4.7.7 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |
| 1802 | 部门已存在 |

**4.7.8 图片案例**



**4.8 查询建筑下所有承包商人员**

**适用版本：化工4.3及以上版本**

低电量报警在此版本已去除、暂不支持门禁卡号

**4.8.1 URL**

/api/v2/contractor/list

**4.8.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**4.8.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |
| pageNumber | Integer | 是 | 第几页，最小是1 |
| pageSize | Integer | 是 | 每页显示数据条数，最小是15，最大是1000 |

**4.8.4 请求响应参数**

|  |  |  |
| --- | --- | --- |
| 参数 | 类型 | 描述 |
| id | Long | 人员ID |
| postId | Long | 岗位ID |
| postName | String | 岗位 |
| departId | Long | 部门ID |
| departName | String | 部门名称 |
| name | String | 人员姓名 |
| sex | String | 性别 |
| sn | String | SN 号 |
| cardNumber | String | 门禁卡号 |
| iconId | Long | 图标ID |
| alarmTemplate | String | 报警模板 |
| extFields | String | 扩展数据 |
| url | String | 人员详情链接 |

|  |  |  |
| --- | --- | --- |
| 参数 | 类型 | 描述 |
| content | Object | 数据 |
| totalElements | Long | 总条数 |
| totalPages | Integer | 总页数 |
| presentPage | Integer | 当前页 |

**4.8.5 请求JSON 示例**

{  
    **"buildId"**:**"200234"**,  
    **"pageNumber"**:**1**,  
    **"pageSize"**:**15**  
}

**4.8.6 响应JSON 示例**

 {  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:{  
        **"content"**:[  
            {  
                **"id"**:**13748**,  
                **"postId"**:**218**,  
                **"postName"**:**"承包商"**,  
                **"departId"**:**254**,  
                **"departName"**:**"安全管理部"**,  
                **"name"**:**"马来"**,  
                **"sex"**:**null**,  
                **"sn"**:**"202011131829"**,  
                **"cardNumber"**:**null**,  
                **"iconId"**:**1**,  
                **"alarmTemplate"**:**null**,  
                **"extFields"**:**null**,  
                **"url"**:**""**  
            }  
        ],  
        **"totalElements"**:**3**,  
        **"totalPages"**:**1**,  
        **"presentPage"**:**1**  
    }  
}

**4.8.7 异常JSON 示例**

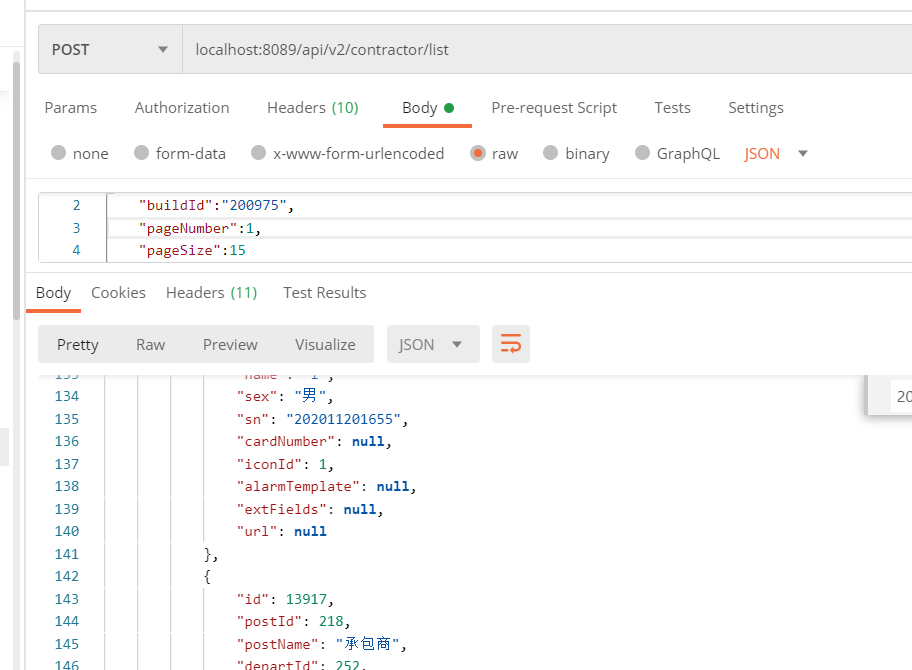
{  
    **"data"**:**"JSON格式错误"**,  
    **"code"**:**1201**,  
    **"status"**:**"error"**  
}

{  
    **"msg"**:**"条数不能是空"**,  
    **"code"**:**400**  
}

**4.8.8 业务错误码**

|  |  |  |
| --- | --- | --- |
| 错误码 | 错误描述 | 解决方案 |
| 1001 | token 数据不能是空 | 1001 |
| 1002 | token 失效 | 1002 |
| 1003 | token 失效 | 1003 |
| 1201 | JSON格式错误 | 1201 |

**4.8.9 图片案例**



**五、报警API**

**5.1 报（预）警信息订阅**

**适用版本：化工4.1及以上版本**

订阅报警，当产生报警的时候化工人员定位会主动向订阅者推送数据。

推送给第三方时，第一遍不成功，会连续推送3遍，都不成功便会放弃此次推送

支持

**5.1.1 预警类型**

人员报警（一键报警、越界报警、滞留报警、超员报警、缺员报警、静止报警） 如下类型

一键报警：oneKeyAlarm:alarm

滞留预警：stayAlarm

越界报警：overBoundaryAlarm

超员预警：overNum

缺员预警：lackNum

静止预警：stillAlarm

车辆报警（超速报警）如下类型

车辆超速报警：alarmSpeed

作业报警（作业人员离开报警、非作业人员闯入报警）如下类型

作业人员离开报警 ：leaveAlarm

非作业人员闯入报警 ：intrudeAlarm

**5.1.2 URL**

/api/v2/subscribe

**5.1.3 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**5.1.4 POST 请求参数**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 长度 | 描述 |
| buildId | String | 是 |  | 建筑ID |
| type | String | 是 | 40 | 订阅类型，如下 |
| requestServerUrl | String | 是 | 100 | 订阅地址（JSON请求示例，如下） |

报警类型订阅====>>>>>>

区域报警 ：areaAlarm

车辆报警 ：alarmEvent

作业报警 ：jobAlarmEvent

**5.1.5 请求JSON 示例**

{  
    **"buildId"**:**"200036"**,  
    **"type"**:**"**areaAlarm**"**,  
    **"requestServerUrl"**:**"**[http://192.168.0.100/subscribe/callback/areaAlarm](http://192.168.0.100/subscribe/callback/areaAlarm" \t "_blank)**"**  
}

**5.1.6 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:**null**  
}

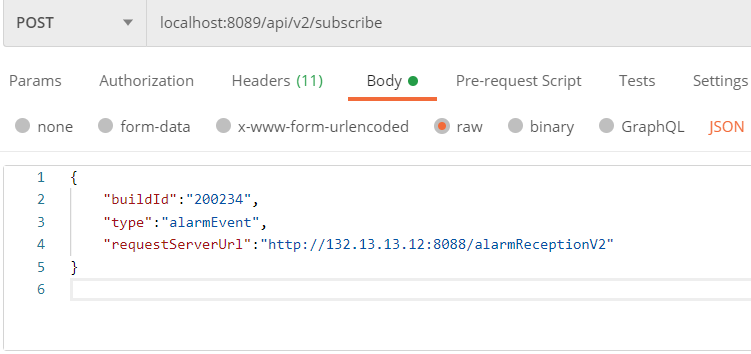
**5.1.7 异常JSON 示例**

{  
    **"data"**:**"无该[ov12erNum]订阅类型"**,  
    **"code"**:**2002**,  
    **"status"**:**"error"**  
}

**5.1.8 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |
| 2002 | 订阅类型不存在 |

**5.1.9 图片案例**



**5.2 报（预）警信息订阅推送至第三方**

**适用版本：化工4.1及以上版本**

注：报警订阅推送次数。

推送给第三方时，第1遍不成功，会连续推送3遍，都不成功便会放弃此次推送

**5.2.1 推送至订阅地址**

推送订阅地址：《报（预）警信息订阅推送至第三方》填写接收订阅地址

**5.2.2 POST 推送参数实体（第三方接收参数）**

|  |  |  |
| --- | --- | --- |
| 参数 | 类型 | 描述 |
| time | Long | 发送时间 |
| type | String | 数据类型 |
| data | Object | 数据 |

|  |  |  |
| --- | --- | --- |
| 参数（data） | 类型 | 描述 |
| id | String | 报警ID |
| time | Long | 报警时间 |
| type | String | alarm 代表报警、alarm:handle 代表报警已处理 |
| alarmInfo | String | 报警信息 |
| alarmType | String | 报警类型（请看预警类型） |
| alarmLocation | String | 报警位置 |
| rails | List<Object> | 围栏信息 |

|  |  |  |
| --- | --- | --- |
| 参数（rails） | 类型 | 描述 |
| railId | String | 围栏ID |
| railName | String | 围栏名称 |
| floorNo | String | 楼层号 |
| points | List<Object> | 点位 |

|  |  |  |
| --- | --- | --- |
| 参数（points） | 类型 | 描述 |
| x | Integer | 坐标 x 轴 |
| y | Integer | 坐标 y 轴 |

**5.3 查询报警列表**

**适用版本：化工4.1及以上版本**

**5.3.1 URL**

/api/v2/alarm/list

**5.3.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**5.3.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |
| alarmState | String | 否 | 报警处理状态（1：报警中、0：已处理） |
| pageNumber | Integer | 是 | 第几页，最小是1 |
| pageSize | Integer | 是 | 每页显示数据条数，最小是15，最大是1000 |

**5.3.4 请求响应参数**

|  |  |  |
| --- | --- | --- |
| 参数 | 类型 | 描述 |
| AlarmRecord | List<AlarmRecordVO> | 报警List集合 |

|  |  |  |
| --- | --- | --- |
| 参数(AlarmRecord) | 类型 | 描述 |
| id | Long | 报警ID |
| time | Long | 报警时间 |
| type | String | 报警类型 |
| areaName | String | 位置 |
| name | String | 报警人员名字 |
| mac | String | SN号 |
| handleTime | Long | 处理时间 |
| handleRemark | String | 处理信息 |

|  |  |  |
| --- | --- | --- |
| 参数 | 类型 | 描述 |
| content | Object | 数据 |
| totalElements | Long | 总条数 |
| totalPages | Integer | 总页数 |
| presentPage | Integer | 当前页 |

**5.3.5 请求JSON 示例**

{  
    **"buildId"**:**"200036"**  
}

{  
    **"buildId"**:**"200036"**,  
    **"alarmState"**:**"0"**,  
    **"pageNumber"**:**1**,  
    **"pageSize"**:**15**  
}

**5.3.6 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:{  
        **"content"**:[  
            {  
                **"id"**:**47354**,  
                **"time"**:**1598601927000**,  
                **"type"**:**"oneKeyAlarm:alarm"**,  
                **"areaName"**:**"测试报警"**,  
                **"name"**:**"perkz"**,  
                **"mac"**:**"F88A5E4DAF97"**,  
                **"handleTime"**:**1598601946000**,  
                **"handleRemark"**:**"忽略"**  
            },  
            {  
                **"id"**:**47353**,  
                **"time"**:**1598601675000**,  
                **"type"**:**"oneKeyAlarm:alarm"**,  
                **"areaName"**:**""**,  
                **"name"**:**"永远滴神"**,  
                **"mac"**:**"F88A5E4DAF8C"**,  
                **"handleTime"**:**1598601694000**,  
                **"handleRemark"**:**"忽略"**  
            },  
            {  
                **"id"**:**47352**,  
                **"time"**:**1598580253000**,  
                **"type"**:**"oneKeyAlarm:alarm"**,  
                **"areaName"**:**"测试报警"**,  
                **"name"**:**"perkz"**,  
                **"mac"**:**"F88A5E4DAF97"**,  
                **"handleTime"**:**1598580327000**,  
                **"handleRemark"**:**"忽略"**  
            },  
            {  
                **"id"**:**47351**,  
                **"time"**:**1598526717000**,  
                **"type"**:**"oneKeyAlarm:alarm"**,  
                **"areaName"**:**"测试报警"**,  
                **"name"**:**"perkz"**,  
                **"mac"**:**"F88A5E4DAF97"**,  
                **"handleTime"**:**1598526669000**,  
                **"handleRemark"**:**"忽略"**  
            },  
            {  
                **"id"**:**47350**,  
                **"time"**:**1598526560000**,  
                **"type"**:**"oneKeyAlarm:alarm"**,  
                **"areaName"**:**""**,  
                **"name"**:**"永远滴神"**,  
                **"mac"**:**"F88A5E4DAF8C"**,  
                **"handleTime"**:**1598526647000**,  
                **"handleRemark"**:**"忽略"**  
            },  
            {  
                **"id"**:**47349**,  
                **"time"**:**1598526513000**,  
                **"type"**:**"oneKeyAlarm:alarm"**,  
                **"areaName"**:**"测试报警"**,  
                **"name"**:**"perkz"**,  
                **"mac"**:**"F88A5E4DAF97"**,  
                **"handleTime"**:**1598526556000**,  
                **"handleRemark"**:**"忽略"**  
            },  
            {  
                **"id"**:**47348**,  
                **"time"**:**1598526456000**,  
                **"type"**:**"oneKeyAlarm:alarm"**,  
                **"areaName"**:**"测试报警"**,  
                **"name"**:**"perkz"**,  
                **"mac"**:**"F88A5E4DAF97"**,  
                **"handleTime"**:**1598526489000**,  
                **"handleRemark"**:**"忽略"**  
            },  
            {  
                **"id"**:**47347**,  
                **"time"**:**1598526438000**,  
                **"type"**:**"oneKeyAlarm:alarm"**,  
                **"areaName"**:**""**,  
                **"name"**:**"永远滴神"**,  
                **"mac"**:**"F88A5E4DAF8C"**,  
                **"handleTime"**:**1598526450000**,  
                **"handleRemark"**:**"忽略"**  
            },  
            {  
                **"id"**:**47346**,  
                **"time"**:**1598526401000**,  
                **"type"**:**"oneKeyAlarm:alarm"**,  
                **"areaName"**:**""**,  
                **"name"**:**"永远滴神"**,  
                **"mac"**:**"F88A5E4DAF8C"**,  
                **"handleTime"**:**1598526424000**,  
                **"handleRemark"**:**"忽略"**  
            },  
            {  
                **"id"**:**47345**,  
                **"time"**:**1598526382000**,  
                **"type"**:**"oneKeyAlarm:alarm"**,  
                **"areaName"**:**"测试报警"**,  
                **"name"**:**"perkz"**,  
                **"mac"**:**"F88A5E4DAF97"**,  
                **"handleTime"**:**1598526397000**,  
                **"handleRemark"**:**"忽略"**  
            },  
            {  
                **"id"**:**47344**,  
                **"time"**:**1598526314000**,  
                **"type"**:**"oneKeyAlarm:alarm"**,  
                **"areaName"**:**""**,  
                **"name"**:**"永远滴神"**,  
                **"mac"**:**"F88A5E4DAF8C"**,  
                **"handleTime"**:**1598526383000**,  
                **"handleRemark"**:**"忽略"**  
            },  
            {  
                **"id"**:**47343**,  
                **"time"**:**1598526300000**,  
                **"type"**:**"oneKeyAlarm:alarm"**,  
                **"areaName"**:**""**,  
                **"name"**:**"永远滴神"**,  
                **"mac"**:**"F88A5E4DAF8C"**,  
                **"handleTime"**:**1598526277000**,  
                **"handleRemark"**:**"忽略"**  
            },  
            {  
                **"id"**:**47342**,  
                **"time"**:**1598526240000**,  
                **"type"**:**"oneKeyAlarm:alarm"**,  
                **"areaName"**:**"测试报警"**,  
                **"name"**:**"perkz"**,  
                **"mac"**:**"F88A5E4DAF97"**,  
                **"handleTime"**:**1598526284000**,  
                **"handleRemark"**:**"忽略"**  
            },  
            {  
                **"id"**:**47341**,  
                **"time"**:**1598526194000**,  
                **"type"**:**"oneKeyAlarm:alarm"**,  
                **"areaName"**:**""**,  
                **"name"**:**"永远滴神"**,  
                **"mac"**:**"F88A5E4DAF8C"**,  
                **"handleTime"**:**1598526281000**,  
                **"handleRemark"**:**"忽略"**  
            },  
            {  
                **"id"**:**47340**,  
                **"time"**:**1598526193000**,  
                **"type"**:**"oneKeyAlarm:alarm"**,  
                **"areaName"**:**"测试报警"**,  
                **"name"**:**"perkz"**,  
                **"mac"**:**"F88A5E4DAF97"**,  
                **"handleTime"**:**1598526253000**,  
                **"handleRemark"**:**"忽略"**  
            }  
        ]  
    }  
}

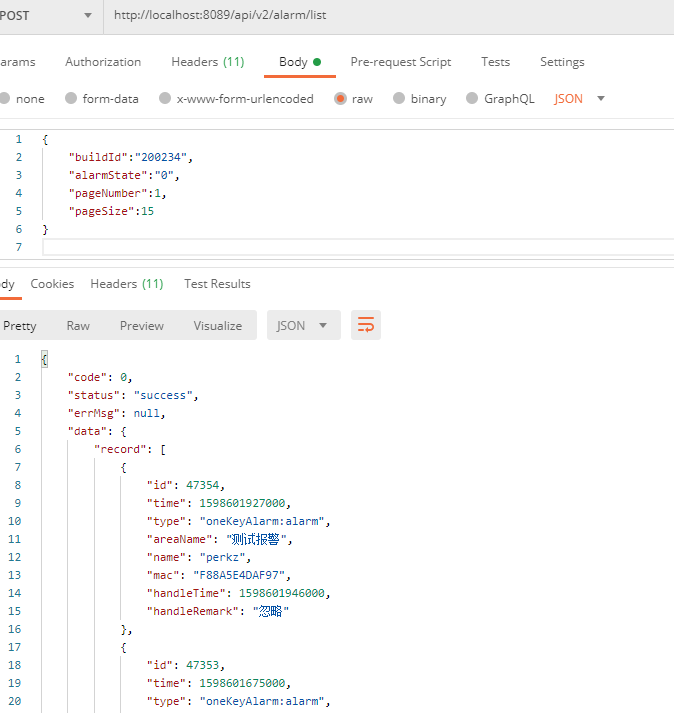
**5.3.7 异常JSON 示例**

{  
    **"msg"**:**"页数不能是空||条数不能是空"**,  
    **"code"**:**400**  
}

**5.3.8 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |

**5.3.9 图片案例**



**5.4 批量处理报警信息**

**适用版本：化工4.1及以上版本**

**5.4.1 URL**

/api/v2/alarm/batch-event

**5.4.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**5.4.3 POST 请求参数**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 长度 | 描述 |
| buildId | String | 是 |  | 建筑ID |
| handleMsg | String | 是 | 150 | 处理信息 |
| ids | List<Long> | 是 |  | 报警ID集合 |

**5.4.4 请求JSON 示例**

{  
    **"buildId"**:**"200234"**,  
    **"handleMsg"**:**"2020年9月2日15:07:01"**,  
    **"ids"**:[  
        **35848**,**35849**  
    ]  
}

**5.4.5 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:**null**  
}

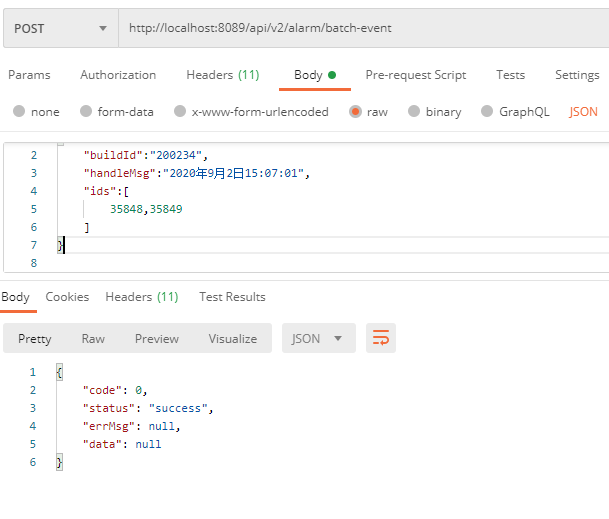
**5.4.6 异常JSON 示例**

{  
    **"data"**:**"该报警[35848]已被处理"**,  
    **"code"**:**2004**,  
    **"status"**:**"error"**  
}

**5.4.7 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |
| 2003 | 报警ID不存在 |
| 2004 | 报警已被处理 |

**5.4.8 图片案例**



**六、区域API**

**6.1 查询区域列表**

**适用版本：化工4.1及以上版本**

**6.1.1 URL**

/api/v2/area/list

**6.1.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**6.1.3 POST请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |
| areaName | String | 否 | 区域名称 |

**6.1.4 请求响应参数**

|  |  |  |
| --- | --- | --- |
| 参数 | 类型 | 描述 |
| record | List<record> | 围栏列表集合 |

|  |  |  |
| --- | --- | --- |
| 参数(record) | 类型 | 描述 |
| areaId | String | 区域ID |
| areaName | String | 区域名称 |
| areaRailRelList | List<areaRailRel> | 区域包含的围栏 |

|  |  |  |
| --- | --- | --- |
| 参数(areaRailRel) | 类型 | 描述 |
| railId | String | 围栏 ID |
| railName | String | 围栏名称 |
| floorNo | String | 楼层 |

**6.1.5 请求JSON 示例**

{  
    **"buildId"**:**"200036"**  
}

{  
    **"buildId"**:**"200036"**,  
    **"areaName"**:**"1号"**  
}

**6.1.6 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:{  
        **"record"**:[  
            {  
                **"areaId"**:**"189"**,  
                **"areaName"**:**"测速报警区域"**,  
                **"areaRailRelList"**:[  
                    {  
                        **"railId"**:**"2731e22360734be3ba5ef9fc803da970"**,  
                        **"railName"**:**"111"**,  
                        **"floorNo"**:**"Floor1"**  
                    }  
                ]  
            }  
        ]  
    }  
}

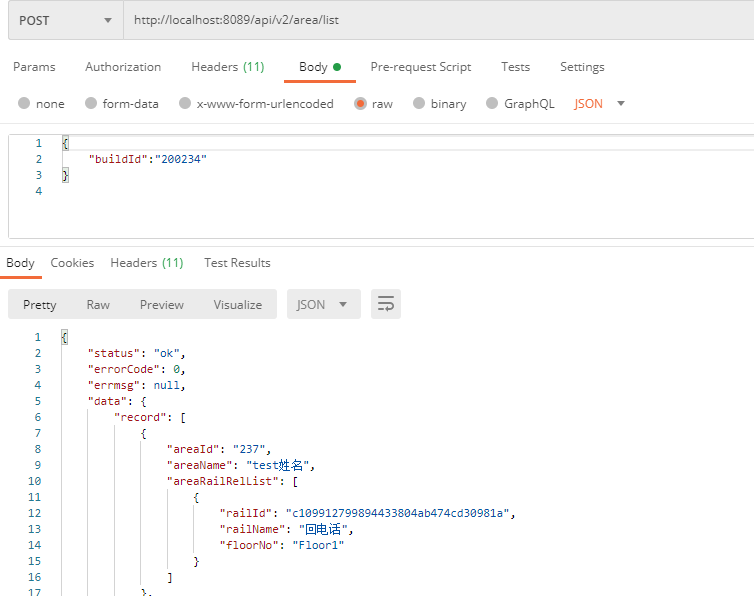
**6.1.7 异常JSON 示例**

{  
    **"data"**:**"JSON格式错误"**,  
    **"code"**:**1201**,  
    **"status"**:**"error"**  
}

**6.1.8 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |

**6.1.9 图片案例**



**6.2 查询区域分类列表**

**适用版本：化工4.1及以上版本**

**6.2.1 URL**

/api/v2/area/classify-list

**6.2.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**6.2.3 POST请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |

**6.2.4 请求响应参数**

|  |  |  |
| --- | --- | --- |
| 参数(ApiAreaClassify) | 类型 | 描述 |
| areaId | String | 区域ID |
| areaName | String | 区域名称 |
| totalCount | Integer | 区域总人数 |
| carCount | Integer | 车辆总数 |
| areas | List<ApiAreaClassify> | 子区域（数据结构与当前一样） |

**6.2.5 请求JSON 示例**

{  
    **"buildId"**:**"200234"**  
}

**6.2.6 响应JSON 示例**

{  
    **"status"**:**"ok"**,  
    **"errorCode"**:**0**,  
    **"errmsg"**:**null**,  
    **"data"**:[  
        {  
            **"areaId"**:**"101"**,  
            **"areaName"**:**"一级区域1"**,  
            **"totalCount"**:**180**,  
            **"carCount"**:**0**,  
            **"areas"**:[  
                {  
                    **"areaId"**:**"103"**,  
                    **"areaName"**:**"1.2"**,  
                    **"totalCount"**:**111**,  
                    **"carCount"**:**0**,  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**"130"**,  
                    **"areaName"**:**"测试坐标转换"**,  
                    **"totalCount"**:**0**,  
                    **"carCount"**:**0**,  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**"107"**,  
                    **"areaName"**:**"1.3"**,  
                    **"totalCount"**:**0**,  
                    **"carCount"**:**0**,  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**"102"**,  
                    **"areaName"**:**"1.1即可观看赶快发给开发和访客看法国航空"**,  
                    **"totalCount"**:**0**,  
                    **"carCount"**:**0**,  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**"124"**,  
                    **"areaName"**:**"1.4"**,  
                    **"totalCount"**:**0**,  
                    **"carCount"**:**0**,  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**"125"**,  
                    **"areaName"**:**"1.5"**,  
                    **"totalCount"**:**0**,  
                    **"carCount"**:**0**,  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**"126"**,  
                    **"areaName"**:**"1.6"**,  
                    **"totalCount"**:**0**,  
                    **"carCount"**:**0**,  
                    **"areas"**:[   
  
                    ]  
                },  
                {  
                    **"areaId"**:**"127"**,  
                    **"areaName"**:**"1.7"**,  
                    **"totalCount"**:**0**,  
                    **"carCount"**:**0**,  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**"128"**,  
                    **"areaName"**:**"1.8"**,  
                    **"totalCount"**:**0**,  
                    **"carCount"**:**0**,  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**"129"**,  
                    **"areaName"**:**"1.9"**,  
                    **"totalCount"**:**0**,  
                    **"carCount"**:**0**,  
                    **"areas"**:[  
  
                    ]  
                }  
            ]  
        }  
    ]  
}

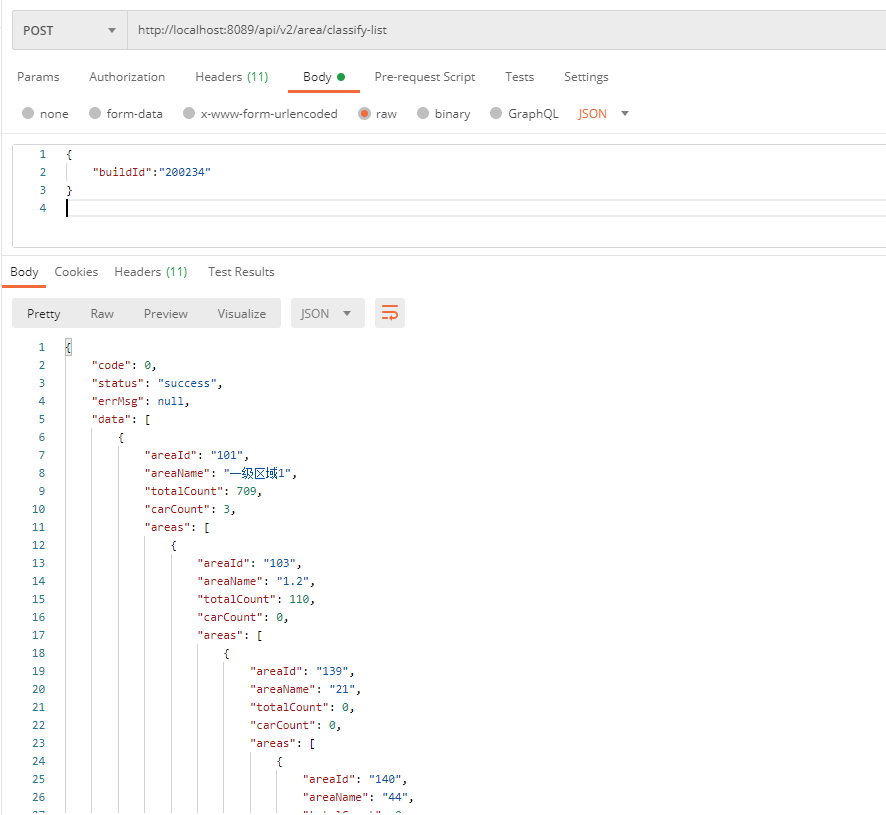
**6.2.7 异常JSON 示例**

{  
    **"data"**:**"JSON格式错误"**,  
    **"code"**:**1201**,  
    **"status"**:**"error"**  
}

**6.2.8 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |

**6.2.9 图片案例**



**6.3 查询当前区域人数**

**适用版本：化工4.1及以上版本**

**6.3.1 URL**

/api/v2/area/person-count

**6.3.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**6.3.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |

**6.3.4 请求响应参数**

|  |  |  |
| --- | --- | --- |
| 参数（ApiPersonNumberAndTypeNumber） | 类型 | 描述 |
| areaId | String | 区域ID |
| areaName | String | 区域名称 |
| totalCount | Integer | 区域人数 |
| eachEmployeeTypeCount | List<ApiEachEmployeeTypeCount> | 各人员类型人数 |
| areas | List<ApiPersonNumberAndTypeNumber> | 子区域（数据结构与当前一样） |

|  |  |  |
| --- | --- | --- |
| 参数（ApiEachEmployeeTypeCount） | 类型 | 描述 |
| id | String | 人员类型ID |
| postName | String | 人员类型名称 |
| personCount | Integer | 人数 |

**6.3.5 请求 JSON 示例**

{  
    **"buildId"**:**"200234"**  
}

**6.3.6 响应 JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:[  
        {  
            **"areaId"**:**101**,  
            **"areaName"**:**"一级区域1"**,  
            **"totalCount"**:**709**,  
            **"eachEmployeeTypeCount"**:[  
                {  
                    **"id"**:**"220"**,  
                    **"postName"**:**"巡逻员"**,  
                    **"personCount"**:**699**  
                },  
                {  
                    **"id"**:**"200"**,  
                    **"postName"**:**"文案"**,  
                    **"personCount"**:**1**  
                },  
                {  
                    **"id"**:**"204"**,  
                    **"postName"**:**"厨师"**,  
                    **"personCount"**:**1**  
                },  
                {  
                    **"id"**:**"316"**,  
                    **"postName"**:**"项目总监"**,  
                    **"personCount"**:**5**  
                }  
            ],  
            **"areas"**:[  
                {  
                    **"areaId"**:**103**,  
                    **"areaName"**:**"1.2"**,  
                    **"totalCount"**:**110**,  
                    **"eachEmployeeTypeCount"**:[  
                        {  
                            **"id"**:**"220"**,  
                            **"postName"**:**"巡逻员"**,  
                            **"personCount"**:**109**  
                        },  
                        {  
                            **"id"**:**"200"**,  
                            **"postName"**:**"文案"**,  
                            **"personCount"**:**1**  
                        }  
                    ],  
                    **"areas"**:[  
                        {  
                            **"areaId"**:**139**,  
                            **"areaName"**:**"21"**,  
                            **"totalCount"**:**0**,  
                            **"eachEmployeeTypeCount"**:[  
  
                            ],  
                            **"areas"**:[  
                                {  
                                    **"areaId"**:**140**,  
                                    **"areaName"**:**"44"**,  
                                    **"totalCount"**:**0**,  
                                    **"eachEmployeeTypeCount"**:[  
  
                                    ],  
                                    **"areas"**:[  
                                        {  
                                            **"areaId"**:**141**,  
                                            **"areaName"**:**"55"**,  
                                            **"totalCount"**:**0**,  
                                            **"eachEmployeeTypeCount"**:[  
  
                                            ],  
                                            **"areas"**:[  
  
                                            ]  
                                        },  
                                        {  
                                            **"areaId"**:**142**,  
                                            **"areaName"**:**"哦哦"**,  
                                            **"totalCount"**:**0**,  
                                            **"eachEmployeeTypeCount"**:[  
  
                                            ],  
                                            **"areas"**:[  
  
                                            ]  
                                        },  
                                        {  
                                            **"areaId"**:**143**,  
                                            **"areaName"**:**"555"**,  
                                            **"totalCount"**:**0**,  
                                            **"eachEmployeeTypeCount"**:[  
  
                                            ],  
                                            **"areas"**:[  
  
                                            ]  
                                        }  
                                    ]  
                                }  
                            ]  
                        }  
                    ]  
                },  
                {  
                    **"areaId"**:**130**,  
                    **"areaName"**:**"测试坐标转换"**,  
                    **"totalCount"**:**0**,  
                    **"eachEmployeeTypeCount"**:[  
  
                    ],  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**107**,  
                    **"areaName"**:**"1.3"**,  
                    **"totalCount"**:**0**,  
                    **"eachEmployeeTypeCount"**:[  
  
                    ],  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**102**,  
                    **"areaName"**:**"1.1即可观看赶快发给开发和访客看法国航空"**,  
                    **"totalCount"**:**0**,  
                    **"eachEmployeeTypeCount"**:[  
  
                    ],  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**124**,  
                    **"areaName"**:**"1.4"**,  
                    **"totalCount"**:**0**,  
                    **"eachEmployeeTypeCount"**:[  
  
                    ],  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**125**,  
                    **"areaName"**:**"1.5"**,  
                    **"totalCount"**:**0**,  
                    **"eachEmployeeTypeCount"**:[  
  
                    ],  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**126**,  
                    **"areaName"**:**"1.6"**,  
                    **"totalCount"**:**0**,  
                    **"eachEmployeeTypeCount"**:[  
  
                    ],  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**127**,  
                    **"areaName"**:**"1.7"**,  
                    **"totalCount"**:**0**,  
                    **"eachEmployeeTypeCount"**:[  
  
                    ],  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**128**,  
                    **"areaName"**:**"1.8"**,  
                    **"totalCount"**:**0**,  
                    **"eachEmployeeTypeCount"**:[  
  
                    ],  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**129**,  
                    **"areaName"**:**"1.9"**,  
                    **"totalCount"**:**0**,  
                    **"eachEmployeeTypeCount"**:[  
  
                    ],  
                    **"areas"**:[  
  
                    ]  
                }  
            ]  
        },  
        {  
            **"areaId"**:**131**,  
            **"areaName"**:**"一级区域7"**,  
            **"totalCount"**:**578**,  
            **"eachEmployeeTypeCount"**:[  
                {  
                    **"id"**:**"220"**,  
                    **"postName"**:**"巡逻员"**,  
                    **"personCount"**:**570**  
                },  
                {  
                    **"id"**:**"200"**,  
                    **"postName"**:**"文案"**,  
                    **"personCount"**:**1**  
                },  
                {  
                    **"id"**:**"316"**,  
                    **"postName"**:**"项目总监"**,  
                    **"personCount"**:**4**  
                }  
            ],  
            **"areas"**:[  
                {  
                    **"areaId"**:**135**,  
                    **"areaName"**:**"1.7.1"**,  
                    **"totalCount"**:**0**,  
                    **"eachEmployeeTypeCount"**:[  
  
                    ],  
                    **"areas"**:[  
                        {  
                            **"areaId"**:**136**,  
                            **"areaName"**:**"1.7.1.1"**,  
                            **"totalCount"**:**0**,  
                            **"eachEmployeeTypeCount"**:[  
  
                            ],  
                            **"areas"**:[  
  
                            ]  
                        }  
                    ]  
                },  
                {  
                    **"areaId"**:**157**,  
                    **"areaName"**:**"1.7.3"**,  
                    **"totalCount"**:**0**,  
                    **"eachEmployeeTypeCount"**:[  
  
                    ],  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**137**,  
                    **"areaName"**:**"1.7.2"**,  
                    **"totalCount"**:**0**,  
                    **"eachEmployeeTypeCount"**:[  
  
                    ],  
                    **"areas"**:[  
  
                    ]  
                }  
            ]  
        },  
        {  
            **"areaId"**:**118**,  
            **"areaName"**:**"一级区域3"**,  
            **"totalCount"**:**502**,  
            **"eachEmployeeTypeCount"**:[  
                {  
                    **"id"**:**"220"**,  
                    **"postName"**:**"巡逻员"**,  
                    **"personCount"**:**496**  
                },  
                {  
                    **"id"**:**"200"**,  
                    **"postName"**:**"文案"**,  
                    **"personCount"**:**1**  
                },  
                {  
                    **"id"**:**"316"**,  
                    **"postName"**:**"项目总监"**,  
                    **"personCount"**:**4**  
                }  
            ],  
            **"areas"**:[  
  
            ]  
        },  
        {  
            **"areaId"**:**108**,  
            **"areaName"**:**"一级区域2"**,  
            **"totalCount"**:**0**,  
            **"eachEmployeeTypeCount"**:[  
  
            ],  
            **"areas"**:[  
                {  
                    **"areaId"**:**110**,  
                    **"areaName"**:**"2.2"**,  
                    **"totalCount"**:**0**,  
                    **"eachEmployeeTypeCount"**:[  
  
                    ],  
                    **"areas"**:[  
                        {  
                            **"areaId"**:**112**,  
                            **"areaName"**:**"2.2.1"**,  
                            **"totalCount"**:**0**,  
                            **"eachEmployeeTypeCount"**:[  
  
                            ],  
                            **"areas"**:[  
  
                            ]  
                        },  
                        {  
                            **"areaId"**:**113**,  
                            **"areaName"**:**"2.2.2"**,  
                            **"totalCount"**:**0**,  
                            **"eachEmployeeTypeCount"**:[  
  
                            ],  
                            **"areas"**:[  
  
                            ]  
                        },  
                        {  
                            **"areaId"**:**117**,  
                            **"areaName"**:**"2.2.5"**,  
                            **"totalCount"**:**0**,  
                            **"eachEmployeeTypeCount"**:[  
  
                            ],  
                            **"areas"**:[  
  
                            ]  
                        },  
                        {  
                            **"areaId"**:**116**,  
                            **"areaName"**:**"2.2.4"**,  
                            **"totalCount"**:**0**,  
                            **"eachEmployeeTypeCount"**:[  
  
                            ],  
                            **"areas"**:[  
  
                            ]  
                        },  
                        {  
                            **"areaId"**:**115**,  
                            **"areaName"**:**"2.2.3"**,  
                            **"totalCount"**:**0**,  
                            **"eachEmployeeTypeCount"**:[  
  
                            ],  
                            **"areas"**:[  
  
                            ]  
                        }  
                    ]  
                },  
                {  
                    **"areaId"**:**111**,  
                    **"areaName"**:**"2.344444444"**,  
                    **"totalCount"**:**0**,  
                    **"eachEmployeeTypeCount"**:[  
  
                    ],  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**109**,  
                    **"areaName"**:**"2.1"**,  
                    **"totalCount"**:**0**,  
                    **"eachEmployeeTypeCount"**:[  
  
                    ],  
                    **"areas"**:[  
  
                    ]  
                }  
            ]  
        },  
        {  
            **"areaId"**:**119**,  
            **"areaName"**:**"一级区域4"**,  
            **"totalCount"**:**145**,  
            **"eachEmployeeTypeCount"**:[  
                {  
                    **"id"**:**"220"**,  
                    **"postName"**:**"巡逻员"**,  
                    **"personCount"**:**144**  
                },  
                {  
                    **"id"**:**"200"**,  
                    **"postName"**:**"文案"**,  
                    **"personCount"**:**1**  
                }  
            ],  
            **"areas"**:[  
  
            ]  
        },  
        {  
            **"areaId"**:**120**,  
            **"areaName"**:**"一级区域6"**,  
            **"totalCount"**:**0**,  
            **"eachEmployeeTypeCount"**:[  
  
            ],  
            **"areas"**:[  
                {  
                    **"areaId"**:**121**,  
                    **"areaName"**:**"制剂车间1"**,  
                    **"totalCount"**:**0**,  
                    **"eachEmployeeTypeCount"**:[  
  
                    ],  
                    **"areas"**:[  
  
                    ]  
                },  
                {  
                    **"areaId"**:**123**,  
                    **"areaName"**:**"动保车间2"**,  
                    **"totalCount"**:**145**,  
                    **"eachEmployeeTypeCount"**:[  
                        {  
                            **"id"**:**"220"**,  
                            **"postName"**:**"巡逻员"**,  
                            **"personCount"**:**144**  
                        },  
                        {  
                            **"id"**:**"200"**,  
                            **"postName"**:**"文案"**,  
                            **"personCount"**:**1**  
                        }  
                    ],  
                    **"areas"**:[  
  
                    ]  
                }  
            ]  
        }  
    ]  
}

**6.3.7 异常 JSON 示例**

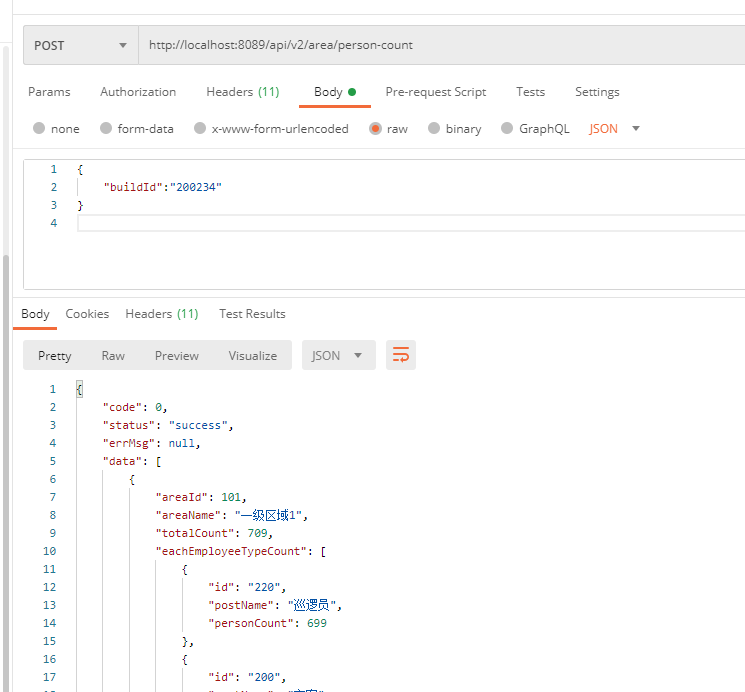
{  
    **"data"**:**"JSON格式错误"**,  
    **"code"**:**1201**,  
    **"status"**:**"error"**  
}

{  
    **"msg"**:**"buildId不能是空"**,  
    **"code"**:**400**  
}

**6.3.8 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |

**6.3.9 图片案例**



**6.4 查询风险分区列表**

**适用版本：化工4.1及以上版本**

**6.4.1 URL**

/api/v2/risk/list

**6.4.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**6.4.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |
| pageNumber | Integer | 是 | 第几页，最小是1 |
| pageSize | Integer | 是 | 每页显示多少条数据，最小15,最大1000 |

**6.4.4 请求响应参数**

|  |  |  |
| --- | --- | --- |
| 参数 | 类型 | 描述 |
| length | Long | 数据条数 |
| data | List<PodRiskRailParam> | 风险分区数据集合 |

|  |  |  |
| --- | --- | --- |
| 参数(PodRiskRailParam) | 类型 | 描述 |
| podRiskRail | PodRiskRail | 风险分区数据 |
| points | List<PointXYZDto> | 位置坐标集合 |

|  |  |  |
| --- | --- | --- |
| 参数(PodRiskRail) | 类型 | 描述 |
| id | Long | ID |
| name | String | 风险分区名称 |
| buildId | String | 建筑ID |
| floorNo | String | 楼层 |
| deleteFlag | String | 删除标记 |
| detail | String | 详情 |
| flag | Boolean | 标识是否为连接 |
| height | Integer | 箱体图形高度 |
| z | Integer | 箱体高度 |
| tenentId | Long | 租户ID |
| orgCode | String | 组织机构代码 |
| createTime | Timestamp | 创建时间 |
| createBy | Long | 创建人ID |
| updateTime | Timestamp | 修改时间 |
| updateBy | Long | 修改人ID |
| remark | String | 备注 |
| openRailId | String | 开放平台围栏id |
| level | String | 风险等级 |
| createPerson | String | 创建人名字 |
| podRiskRailPoints | List<PodRiskRailPoints> | 点位集合信息 |

|  |  |  |
| --- | --- | --- |
| 参数(PodRiskRailPoints) | 类型 | 描述 |
| id | Long | ID |
| riskRailId | Long | 风险分区ID |
| riskRailName | String | 风险分区名称 |
| x | Integer | 坐标X |
| y | Integer | 坐标Y |
| z | Integer | 坐标Z |
| createTime | Timestamp | 创建时间 |
| createBy | Long | 创建人ID |
| updateTime | Timestamp | 修改时间 |
| updateBy | Long | 修改人ID |
| tenentId | Long | 租户ID |
| orgCode | String | 组织机构代码 |

|  |  |  |
| --- | --- | --- |
| 参数(PointXYZDto) | 类型 | 描述 |
| x | Double | 坐标X |
| y | Double | 坐标Y |
| z | Integer | 坐标Z |

|  |  |  |
| --- | --- | --- |
| 参数 | 类型 | 描述 |
| content | Object | 数据 |
| totalElements | Long | 总条数 |
| totalPages | Integer | 总页数 |
| presentPage | Integer | 当前页 |

**6.4.5 请求JSON 示例**

{  
    **"buildId"**:**"200234"**,  
    **"pageNumber"**:**"1"**,  
    **"pageSize"**:**"15"**  
}

**6.4.6 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:{  
        **"content"**:[  
            {  
                **"podRiskRail"**:{  
                    **"id"**:**147**,  
                    **"name"**:**"2020年9月2日20:01:49"**,  
                    **"buildId"**:**"200234"**,  
                    **"floorNo"**:**"Floor1"**,  
                    **"deleteFlag"**:**"0"**,  
                    **"detail"**:**null**,  
                    **"flag"**:**false**,  
                    **"height"**:**4**,  
                    **"z"**:**4**,  
                    **"tenentId"**:**50**,  
                    **"orgCode"**:**"001"**,  
                    **"createTime"**:**"2020-09-02 20:01:52"**,  
                    **"createBy"**:**11009**,  
                    **"updateTime"**:**"2020-09-02 20:01:52"**,  
                    **"updateBy"**:**11009**,  
                    **"remark"**:**null**,  
                    **"openRailId"**:**"6581e9ca3dc843fc94aa5fb1ce822a54"**,  
                    **"level"**:**"重大风险"**,  
                    **"createPerson"**:**"马茹"**,  
                    **"podRiskRailPoints"**:**null**  
                },  
                **"points"**:[  
                    {  
                        **"x"**:**118.98662629519903**,  
                        **"y"**:**33.36694809448964**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.98716535136393**,  
                        **"y"**:**33.366081599563614**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.98746271275635**,  
                        **"y"**:**33.36634818838884**,  
                        **"z"**:**0**  
                    }  
                ]  
            },  
            {  
                **"podRiskRail"**:{  
                    **"id"**:**146**,  
                    **"name"**:**"2020年9月2日19:54:08"**,  
                    **"buildId"**:**"200234"**,  
                    **"floorNo"**:**"Floor1"**,  
                    **"deleteFlag"**:**"0"**,  
                    **"detail"**:**null**,  
                    **"flag"**:**false**,  
                    **"height"**:**4**,  
                    **"z"**:**4**,  
                    **"tenentId"**:**50**,  
                    **"orgCode"**:**"001"**,  
                    **"createTime"**:**"2020-09-02 19:54:10"**,  
                    **"createBy"**:**11009**,  
                    **"updateTime"**:**"2020-09-02 19:54:10"**,  
                    **"updateBy"**:**11009**,  
                    **"remark"**:**null**,  
                    **"openRailId"**:**"b932a354e70e4e1ebf5c086bf17806d2"**,  
                    **"level"**:**"重大风险"**,  
                    **"createPerson"**:**"马茹"**,  
                    **"podRiskRailPoints"**:**null**  
                },  
                **"points"**:[  
                    {  
                        **"x"**:**118.98662629519903**,  
                        **"y"**:**33.36694809448964**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.98716535136393**,  
                        **"y"**:**33.366081599563614**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.98746271275635**,  
                        **"y"**:**33.36634818838884**,  
                        **"z"**:**0**  
                    }  
                ]  
            },  
            {  
                **"podRiskRail"**:{  
                    **"id"**:**145**,  
                    **"name"**:**"2020年8月21日12:09:48"**,  
                    **"buildId"**:**"200234"**,  
                    **"floorNo"**:**"Floor1"**,  
                    **"deleteFlag"**:**"0"**,  
                    **"detail"**:**"222"**,  
                    **"flag"**:**null**,  
                    **"height"**:**4**,  
                    **"z"**:**4**,  
                    **"tenentId"**:**50**,  
                    **"orgCode"**:**"001"**,  
                    **"createTime"**:**"2020-09-02 18:31:11"**,  
                    **"createBy"**:**11009**,  
                    **"updateTime"**:**"2020-09-02 18:31:11"**,  
                    **"updateBy"**:**11009**,  
                    **"remark"**:**null**,  
                    **"openRailId"**:**"d21196dedfde4595811fb10c266c7093"**,  
                    **"level"**:**"重大风险"**,  
                    **"createPerson"**:**"马茹"**,  
                    **"podRiskRailPoints"**:**null**  
                },  
                **"points"**:[  
                    {  
                        **"x"**:**118.98662629519903**,  
                        **"y"**:**33.36694809448964**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.98716535136393**,  
                        **"y"**:**33.366081599563614**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.98746271275635**,  
                        **"y"**:**33.36634818838884**,  
                        **"z"**:**0**  
                    }  
                ]  
            },  
            {  
                **"podRiskRail"**:{  
                    **"id"**:**144**,  
                    **"name"**:**"2020年8月26日15:02"**,  
                    **"buildId"**:**"200234"**,  
                    **"floorNo"**:**"Floor1"**,  
                    **"deleteFlag"**:**"0"**,  
                    **"detail"**:**null**,  
                    **"flag"**:**false**,  
                    **"height"**:**4**,  
                    **"z"**:**4**,  
                    **"tenentId"**:**50**,  
                    **"orgCode"**:**"001"**,  
                    **"createTime"**:**"2020-08-27 17:33:04"**,  
                    **"createBy"**:**11009**,  
                    **"updateTime"**:**"2020-08-27 17:33:04"**,  
                    **"updateBy"**:**11009**,  
                    **"remark"**:**null**,  
                    **"openRailId"**:**"33aa18c20e8c4e7e82d3f1fe1f1678b7"**,  
                    **"level"**:**"重大风险"**,  
                    **"createPerson"**:**"坦克2号"**,  
                    **"podRiskRailPoints"**:**null**  
                },  
                **"points"**:[  
                    {  
                        **"x"**:**118.98662629519903**,  
                        **"y"**:**33.36694809448964**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.98716535136393**,  
                        **"y"**:**33.366081599563614**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.98746271275635**,  
                        **"y"**:**33.36634818838884**,  
                        **"z"**:**0**  
                    }  
                ]  
            },  
            {  
                **"podRiskRail"**:{  
                    **"id"**:**143**,  
                    **"name"**:**"asdadads:09:32"**,  
                    **"buildId"**:**"200234"**,  
                    **"floorNo"**:**"Floor1"**,  
                    **"deleteFlag"**:**"0"**,  
                    **"detail"**:**null**,  
                    **"flag"**:**false**,  
                    **"height"**:**4**,  
                    **"z"**:**4**,  
                    **"tenentId"**:**50**,  
                    **"orgCode"**:**"001"**,  
                    **"createTime"**:**"2020-08-27 17:32:21"**,  
                    **"createBy"**:**11009**,  
                    **"updateTime"**:**"2020-08-27 17:42:34"**,  
                    **"updateBy"**:**11009**,  
                    **"remark"**:**null**,  
                    **"openRailId"**:**"17a8184755304f5f816dcfd4576771d1"**,  
                    **"level"**:**"重大风险"**,  
                    **"createPerson"**:**"坦克2号"**,  
                    **"podRiskRailPoints"**:**null**  
                },  
                **"points"**:[  
                    {  
                        **"x"**:**118.98662629519903**,  
                        **"y"**:**33.36694809448964**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.98716535136393**,  
                        **"y"**:**33.366081599563614**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.98746271275635**,  
                        **"y"**:**33.36634818838884**,  
                        **"z"**:**0**  
                    }  
                ]  
            },  
            {  
                **"podRiskRail"**:{  
                    **"id"**:**119**,  
                    **"name"**:**"新街口12222"**,  
                    **"buildId"**:**"200234"**,  
                    **"floorNo"**:**"Floor1"**,  
                    **"deleteFlag"**:**"0"**,  
                    **"detail"**:**""**,  
                    **"flag"**:**false**,  
                    **"height"**:**27**,  
                    **"z"**:**3**,  
                    **"tenentId"**:**50**,  
                    **"orgCode"**:**"001"**,  
                    **"createTime"**:**"2020-08-07 17:46:43"**,  
                    **"createBy"**:**11009**,  
                    **"updateTime"**:**"2020-08-07 17:48:43"**,  
                    **"updateBy"**:**11009**,  
                    **"remark"**:**""**,  
                    **"openRailId"**:**"02d46847672b4221919371d9886205d6"**,  
                    **"level"**:**"较大风险"**,  
                    **"createPerson"**:**"2020年7月29日09"**,  
                    **"podRiskRailPoints"**:**null**  
                },  
                **"points"**:[  
                    {  
                        **"x"**:**118.98705901425954**,  
                        **"y"**:**33.36728571770013**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.98620789839376**,  
                        **"y"**:**33.36722869340076**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.9863240558592**,  
                        **"y"**:**33.366510495956135**,  
                        **"z"**:**0**  
                    }  
                ]  
            },  
            {  
                **"podRiskRail"**:{  
                    **"id"**:**114**,  
                    **"name"**:**"1123234"**,  
                    **"buildId"**:**"200234"**,  
                    **"floorNo"**:**"Floor1"**,  
                    **"deleteFlag"**:**"0"**,  
                    **"detail"**:**""**,  
                    **"flag"**:**false**,  
                    **"height"**:**1**,  
                    **"z"**:**1**,  
                    **"tenentId"**:**50**,  
                    **"orgCode"**:**"001"**,  
                    **"createTime"**:**"2020-08-07 15:37:53"**,  
                    **"createBy"**:**11009**,  
                    **"updateTime"**:**"2020-08-07 15:37:53"**,  
                    **"updateBy"**:**11009**,  
                    **"remark"**:**""**,  
                    **"openRailId"**:**"0ec69dfd3eb748c1bb102d3a3f5663b7"**,  
                    **"level"**:**"较大风险"**,  
                    **"createPerson"**:**"哥哥1"**,  
                    **"podRiskRailPoints"**:**null**  
                },  
                **"points"**:[  
                    {  
                        **"x"**:**118.98706852303366**,  
                        **"y"**:**33.366933560830944**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.98586328322897**,  
                        **"y"**:**33.36698717288001**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.9864375594634**,  
                        **"y"**:**33.365921106446876**,  
                        **"z"**:**0**  
                    }  
                ]  
            },  
            {  
                **"podRiskRail"**:{  
                    **"id"**:**92**,  
                    **"name"**:**"测试新字段"**,  
                    **"buildId"**:**"200234"**,  
                    **"floorNo"**:**"Floor1"**,  
                    **"deleteFlag"**:**"0"**,  
                    **"detail"**:**"[https://www.baidu.com](https://www.baidu.com/" \t "_blank)"**,  
                    **"flag"**:**true**,  
                    **"height"**:**9**,  
                    **"z"**:**6**,  
                    **"tenentId"**:**50**,  
                    **"orgCode"**:**"001"**,  
                    **"createTime"**:**"2020-06-22 13:56:58"**,  
                    **"createBy"**:**11009**,  
                    **"updateTime"**:**"2020-06-22 16:59:15"**,  
                    **"updateBy"**:**11009**,  
                    **"remark"**:**"ceshiyxia"**,  
                    **"openRailId"**:**"8cfce47eedd44b1cbd25c7e006a31d90"**,  
                    **"level"**:**"一般风险"**,  
                    **"createPerson"**:**"测试头像勿删"**,  
                    **"podRiskRailPoints"**:**null**  
                },  
                **"points"**:[  
                    {  
                        **"x"**:**118.99063177765224**,  
                        **"y"**:**33.36537706014732**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.99076051678377**,  
                        **"y"**:**33.364972861947464**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.99184375418164**,  
                        **"y"**:**33.36543976250341**,  
                        **"z"**:**0**  
                    }  
                ]  
            },  
            {  
                **"podRiskRail"**:{  
                    **"id"**:**88**,  
                    **"name"**:**"侧事故关于这个u"**,  
                    **"buildId"**:**"200234"**,  
                    **"floorNo"**:**"Floor1"**,  
                    **"deleteFlag"**:**"0"**,  
                    **"detail"**:**"2"**,  
                    **"flag"**:**null**,  
                    **"height"**:**19**,  
                    **"z"**:**1**,  
                    **"tenentId"**:**50**,  
                    **"orgCode"**:**"001"**,  
                    **"createTime"**:**"2020-06-09 15:02:13"**,  
                    **"createBy"**:**11009**,  
                    **"updateTime"**:**"2020-06-09 15:02:13"**,  
                    **"updateBy"**:**11009**,  
                    **"remark"**:**""**,  
                    **"openRailId"**:**"317b8f4aa00f4b97920b1508a8ebd1ce"**,  
                    **"level"**:**"较大风险"**,  
                    **"createPerson"**:**"dialog"**,  
                    **"podRiskRailPoints"**:**null**  
                },  
                **"points"**:[  
                    {  
                        **"x"**:**118.99073229130401**,  
                        **"y"**:**33.365447282092035**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.99078714135128**,  
                        **"y"**:**33.365103123248694**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.99158952072061**,  
                        **"y"**:**33.3651349799453**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.9915882313953**,  
                        **"y"**:**33.365548105964066**,  
                        **"z"**:**0**  
                    }  
                ]  
            },  
            {  
                **"podRiskRail"**:{  
                    **"id"**:**87**,  
                    **"name"**:**"哦我我1"**,  
                    **"buildId"**:**"200234"**,  
                    **"floorNo"**:**"Floor1"**,  
                    **"deleteFlag"**:**"0"**,  
                    **"detail"**:**""**,  
                    **"flag"**:**null**,  
                    **"height"**:**1**,  
                    **"z"**:**13**,  
                    **"tenentId"**:**50**,  
                    **"orgCode"**:**"001"**,  
                    **"createTime"**:**"2020-06-08 15:20:03"**,  
                    **"createBy"**:**11009**,  
                    **"updateTime"**:**"2020-06-22 13:57:25"**,  
                    **"updateBy"**:**11009**,  
                    **"remark"**:**"1"**,  
                    **"openRailId"**:**"e8354514b93a42f2b58c82d22e6f43fb"**,  
                    **"level"**:**"较大风险"**,  
                    **"createPerson"**:**"踩踩踩"**,  
                    **"podRiskRailPoints"**:**null**  
                },  
                **"points"**:[  
                    {  
                        **"x"**:**118.99149355194054**,  
                        **"y"**:**33.36575434851079**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.99119311765612**,  
                        **"y"**:**33.364769336563015**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.99480519472621**,  
                        **"y"**:**33.3647182159983**,  
                        **"z"**:**0**  
                    }  
                ]  
            },  
            {  
                **"podRiskRail"**:{  
                    **"id"**:**86**,  
                    **"name"**:**"风险区域1修改"**,  
                    **"buildId"**:**"200234"**,  
                    **"floorNo"**:**"Floor1"**,  
                    **"deleteFlag"**:**"0"**,  
                    **"detail"**:**"[http://www.baidu.com](http://www.baidu.com/" \t "_blank)"**,  
                    **"flag"**:**true**,  
                    **"height"**:**1**,  
                    **"z"**:**1**,  
                    **"tenentId"**:**50**,  
                    **"orgCode"**:**"001"**,  
                    **"createTime"**:**"2020-06-07 22:57:47"**,  
                    **"createBy"**:**11009**,  
                    **"updateTime"**:**"2020-08-05 09:05:18"**,  
                    **"updateBy"**:**11009**,  
                    **"remark"**:**""**,  
                    **"openRailId"**:**"3ef36add23a44dad887cb729b139c39f"**,  
                    **"level"**:**"重大风险"**,  
                    **"createPerson"**:**"测试头像勿删"**,  
                    **"podRiskRailPoints"**:**null**  
                },  
                **"points"**:[  
                    {  
                        **"x"**:**118.98697799090861**,  
                        **"y"**:**33.3666004692333**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.98931195980562**,  
                        **"y"**:**33.366296914363126**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.989612877587**,  
                        **"y"**:**33.364381748258815**,  
                        **"z"**:**0**  
                    },  
                    {  
                        **"x"**:**118.98655032170554**,  
                        **"y"**:**33.36412546840143**,  
                        **"z"**:**0**  
                    }  
                ]  
            }  
        ],  
        **"totalElements"**:**11**,  
        **"totalPages"**:**1**,  
        **"presentPage"**:**1**  
    }  
}

**6.4.6 异常JSON 示例**

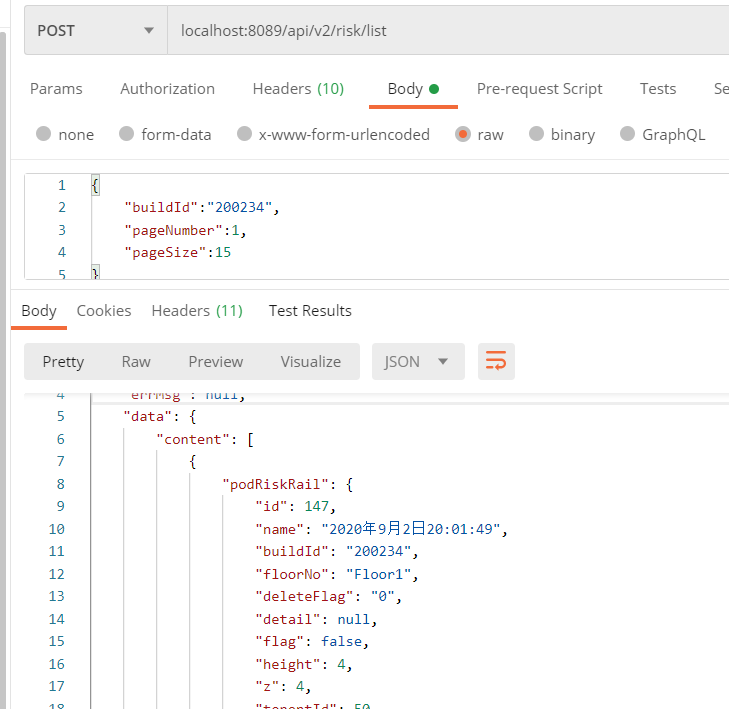
{  
    **"data"**:**"JSON格式错误"**,  
    **"code"**:**1201**,  
    **"status"**:**"error"**  
}

{  
    **"msg"**:**"条数不能是空||页数不能是空"**,  
    **"code"**:**400**  
}

**6.4.7 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |

**6.4.8 图片案例**



**6.5 添加风险分区**

**适用版本：化工4.1及以上版本**

**6.5.1 URL**

/api/v2/risk/add-update

**6.5.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**6.5.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |
| data | List<PodRiskRailParam> | 是 | 风险区域集合 |

|  |  |  |  |
| --- | --- | --- | --- |
| 参数（PodRiskRailParam） | 类型 | 是否必填 | 描述 |
| podRiskRail | PodRiskRail | 是 | 风险分区数据 |
| points | List<PointXYZDto> | 是 | 位置坐标集合 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（PodRiskRail） | 类型 | 是否必填 | 长度 | 描述 |
| name | String | 是 | 20 | 风险分区名称 |
| floorNo | String | 是 | 30 | 楼层 |
| flag | Boolean | 否 |  | 是否标识为连接 |
| detail | String | 否 | 200 | 详情 或 URL |
| height | Integer | 是 | 50 | 箱体图形高度 |
| z | Integer | 是 | 50 | 箱体高度 |
| remark | String | 否 | 200 | 备注 |
| level | String | 是 | 20 | 风险等级 |
| createPerson | String | 是 | 100 | 创建人名字 |

|  |  |  |  |
| --- | --- | --- | --- |
| 参数（PointXYZDto） | 类型 | 是否必填 | 描述 |
| x | Double | 是 | 坐标X |
| y | Double | 是 | 坐标Y |
| z | Integer | 是 | 坐标Z |

**6.5.4 请求JSON 示例**

{  
    **"buildId"**:**"200234"**,  
    **"data"**:[  
        {  
            **"podRiskRail"**:{  
                **"name"**:**"2020年8月21日12:09:48"**,  
                **"floorNo"**:**"Floor1"**,  
                **"level"**:**"重大风险"**,  
                **"createPerson"**:**"马茹"**,  
                **"z"**:**4**,  
                **"height"**:**4**  
            },  
            **"points"**:[  
                {  
                    **"x"**:**118.98662629823208**,  
                    **"y"**:**33.366948093898834**,  
                    **"z"**:**0**  
                },  
                {  
                    **"x"**:**118.98716535415686**,  
                    **"y"**:**33.36608159312037**,  
                    **"z"**:**0**  
                },  
                {  
                    **"x"**:**118.98746271349232**,  
                    **"y"**:**33.36634818564294**,  
                    **"z"**:**0**  
                }  
            ]  
        }  
    ]  
}

**6.5.5 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:**null**  
}

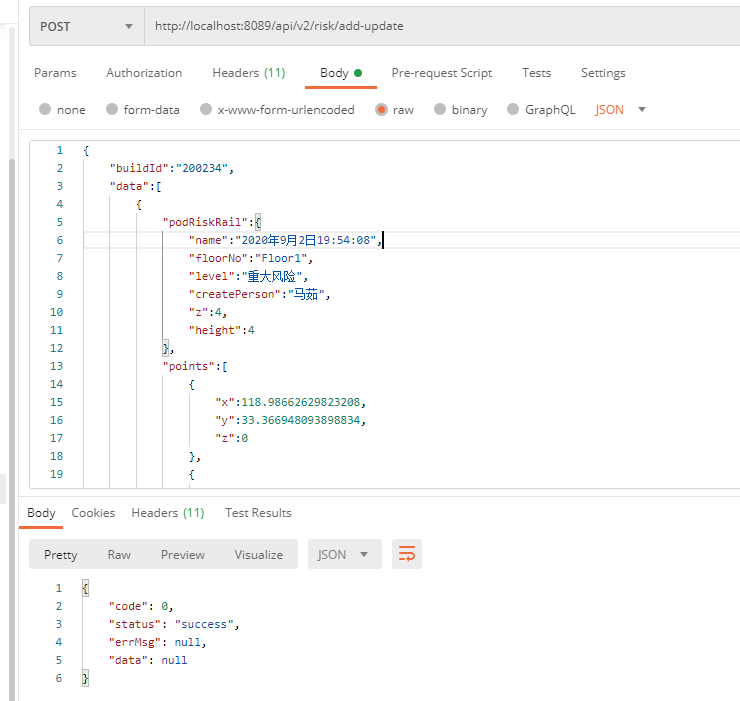
**6.5.6 异常JSON 示例**

{  
    **"data"**:**"该风险区域名已经存在"**,  
    **"code"**:**1703**,  
    **"status"**:**"error"**  
}

**6.5.7 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |
| 1702 | 围栏点位数少于3个 |
| 1703 | 风险分区名称已存在 |

**6.5.8 图片案例**



**6.6 查询单个风险分区**

**适用版本：化工4.1及以上版本**

**6.6.1 URL**

/api/v2/risk/rail-alarm

**6.6.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**6.6.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| Id | Long | 是 | 风险区域ID，不支持负数 |
| buildId | String | 是 | 建筑ID |

**6.6.4 请求响应参数**

|  |  |  |
| --- | --- | --- |
| 参数 | 类型 | 描述 |
| length | Long | 数据条数 |
| data | List<PodRiskRailParam> | 风险分区数据集合 |

|  |  |  |
| --- | --- | --- |
| 参数（PodRiskRailParam） | 类型 | 描述 |
| podRiskRail | PodRiskRail | 风险分区数据 |
| points | List<PointXYZDto> | 位置坐标集合 |

|  |  |  |
| --- | --- | --- |
| 参数（PodRiskRail） | 类型 | 描述 |
| id | Long | ID |
| name | String | 风险分区名称 |
| buildId | String | 建筑ID |
| floorNo | String | 楼层 |
| deleteFlag | String | 删除标记 |
| detail | String | 详情 |
| flag | Boolean | 标识是否为连接 |
| height | Integer | 箱体图形高度 |
| z | Integer | 箱体高度 |
| tenentId | Long | 租户ID |
| orgCode | String | 组织机构代码 |
| createTime | Timestamp | 创建时间 |
| createBy | Long | 创建人ID |
| updateTime | Timestamp | 修改时间 |
| updateBy | Long | 修改人ID |
| remark | String | 备注 |
| openRailId | String | 开放平台围栏id |
| level | String | 风险等级 |
| createPerson | String | 创建人名字 |
| podRiskRailPoints | List<PodRiskRailPoints> | 点位集合信息 |

|  |  |  |
| --- | --- | --- |
| 参数（PodRiskRailPoints） | 类型 | 描述 |
| id | Long | ID |
| riskRailId | Long | 风险分区ID |
| riskRailName | String | 风险分区名称 |
| x | Integer | 坐标X |
| y | Integer | 坐标Y |
| z | Integer | 坐标Z |
| createTime | Timestamp | 创建时间 |
| createBy | Long | 创建人ID |
| updateTime | Timestamp | 修改时间 |
| updateBy | Long | 修改人ID |
| tenentId | Long | 租户ID |
| orgCode | String | 组织机构代码 |

|  |  |  |
| --- | --- | --- |
| 参数（PointXYZDto） | 类型 | 描述 |
| x | Double | 坐标X |
| y | Double | 坐标Y |
| Z | Integer | 坐标Z |

**6.6.5 请求JSON 示例**

{  
    **"id"**:**"110"**,  
    **"buildId"**:**"200234"**  
}

**6.6.6 响应JSON 示例**

{  
    **"status"**:**"ok"**,  
    **"errorCode"**:**0**,  
    **"errmsg"**:**null**,  
    **"data"**:{  
        **"podRiskRail"**:{  
            **"id"**:**110**,  
            **"name"**:**"2020年7月31日16:43:18"**,  
            **"buildId"**:**"200234"**,  
            **"floorNo"**:**"Floor1"**,  
            **"deleteFlag"**:**"0"**,  
            **"detail"**:**"222"**,  
            **"flag"**:**false**,  
            **"height"**:**4**,  
            **"z"**:**4**,  
            **"tenentId"**:**50**,  
            **"orgCode"**:**"001"**,  
            **"createTime"**:**"2020-07-31 21:02:00"**,  
            **"createBy"**:**11009**,  
            **"updateTime"**:**"2020-07-31 21:02:00"**,  
            **"updateBy"**:**11009**,  
            **"remark"**:**"2020年7月31日16:43:28"**,  
            **"openRailId"**:**"9652056471bb44299b2e50409caca7c0"**,  
            **"level"**:**"重大风险"**,  
            **"createPerson"**:**"ceshi测试"**,  
            **"podRiskRailPoints"**:**null**  
        },  
        **"points"**:[  
            {  
                **"x"**:**118.98662629519903**,  
                **"y"**:**33.36694809448964**,  
                **"z"**:**0**  
            },  
            {  
                **"x"**:**118.98716535136393**,  
                **"y"**:**33.366081599563614**,  
                **"z"**:**0**  
            },  
            {  
                **"x"**:**118.98746271275635**,  
                **"y"**:**33.36634818838884**,  
                **"z"**:**0**  
            }  
        ]  
    }  
}

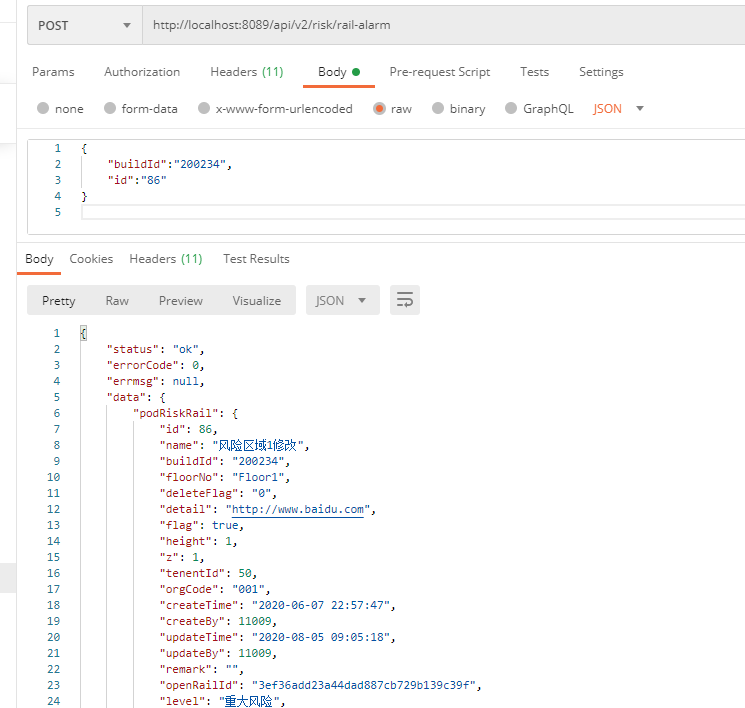
**6.6.7 异常JSON 示例**

{  
    **"data"**:**"JSON格式错误"**,  
    **"code"**:**1201**,  
    **"status"**:**"error"**  
}

**6.6.8 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |

**6.6.9 图片案例**



**6.7 删除风险分区**

**适用版本：化工4.1及以上版本**

风险分区 被绑定时，此风险分区无法删除，需要先解绑两单三卡

**6.7.1 URL**

/api/v2/risk/delete

**6.7.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**6.7.3 POST请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |
| data | List<Long> | 是 | 风险区域ID集合 |

**6.7.4 请求JSON 示例**

{  
    **"buildId"**:**"200234"**,  
    **"data"**:[  
        **93**,**94**  
    ]  
}

**6.7.5 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:**null**  
}

**6.7.6 异常JSON 示例**

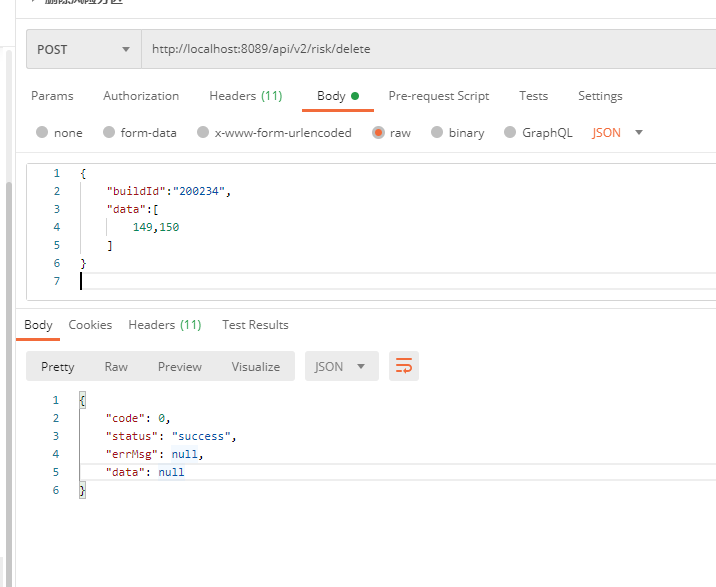
{  
    **"msg"**:**"最少是一个完整数据"**,  
    **"code"**:**400**  
}

{  
    **"data"**:**"风险区域不存在[ 149 ]"**,  
    **"code"**:**1704**,  
    **"status"**:**"error"**  
}

**7.7.7 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |
| 1074 | 风险区域不存在 |

**7.7.8 图片案例**



**6.8 修改风险分区**

**适用版本：化工4.1及以上版本**

**6.8.1 URL**

/api/v2/risk/add-update

**6.8.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**6.8.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |
| data | List<PodRiskRailParam> | 是 | 风险区域集合 |

|  |  |  |  |
| --- | --- | --- | --- |
| 参数（PodRiskRailParam） | 类型 | 是否必填 | 描述 |
| podRiskRail | PodRiskRail | 是 | 风险分区数据 |
| points | List< PointXYZDto > | 是 | 位置坐标集合 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（PodRiskRail） | 类型 | 是否必填 | 长度 | 描述 |
| id | Long | 是 |  | 风险区域ID，不支持负数 |
| name | String | 是 | 20 | 风险分区名称 |
| floorNo | String | 是 | 30 | 楼层 |
| detail | String | 否 |  | 详情 |
| flag | Boolean | 否 | 200 | 标识是否为连接 |
| height | Integer | 是 | 6 | 箱体图形高度 |
| z | Integer | 是 | 6 | 箱体高度 |
| remark | String | 否 | 200 | 备注 |
| level | String | 是 | 20 | 风险等级 |
| createPerson | String | 是 | 100 | 创建人名字 |

s

|  |  |  |  |
| --- | --- | --- | --- |
| 参数（PointXYZDto） | 类型 | 是否必填 | 描述 |
| x | Double | 是 | 坐标X |
| y | Double | 是 | 坐标Y |
| z | Integer | 是 | 坐标Z |

**6.8.4 请求JSON 示例**

{  
    **"buildId"**:**"200234"**,  
    **"data"**:[  
        {  
            **"podRiskRail"**:{  
                **"name"**:**"aada:02"**,  
                **"floorNo"**:**"Floor1"**,  
                **"level"**:**"重大风险"**,  
                **"createPerson"**:**"坦克2号"**,  
                **"z"**:**4**,  
                **"height"**:**4**  
            },  
            **"points"**:[  
                {  
                    **"x"**:**118.98662629823208**,  
                    **"y"**:**33.366948093898834**,  
                    **"z"**:**0**  
                },  
                {  
                    **"x"**:**118.98716535415686**,  
                    **"y"**:**33.36608159312037**,  
                    **"z"**:**0**  
                },  
                {  
                    **"x"**:**118.98746271349232**,  
                    **"y"**:**33.36634818564294**,  
                    **"z"**:**0**  
                }  
            ]  
        }  
    ]  
}

**6.8.5 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:**null**  
}

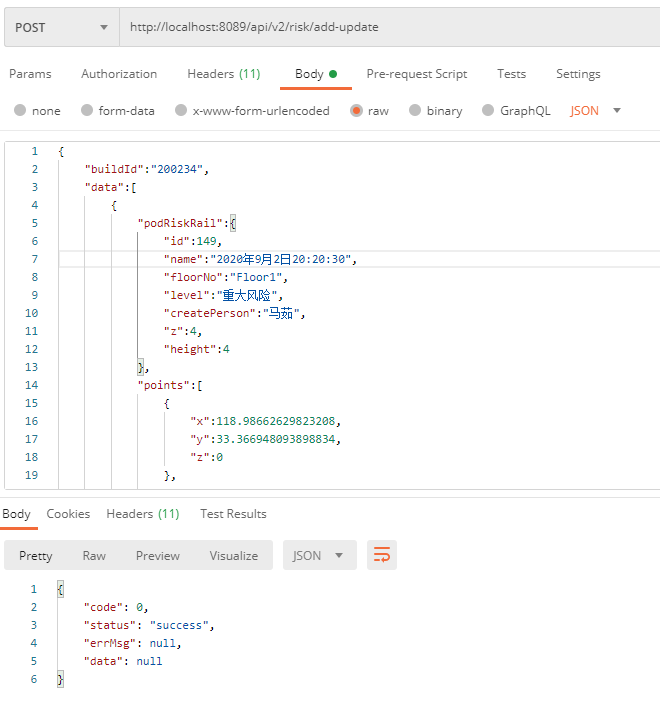
**6.8.6 异常JSON 示例**

{  
    **"data"**:**"该风险区域名已经存在"**,  
    **"code"**:**1703**,  
    **"status"**:**"error"**  
}

**6.8.7 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |
| 1702 | 围栏点位少于3个 |
| 1703 | 风险区域已经存在 |

**6.8.8 图片案例**



**七、图片API**

**7.1 人员照片上传**

**适用版本：化工4.1及以上版本**

**7.1.1 URL**

/api/v2/image/upload-head-img

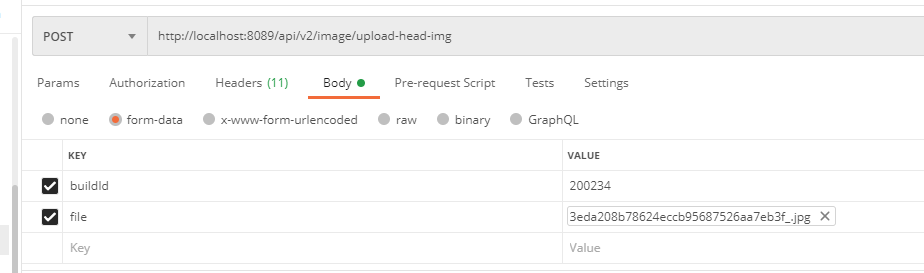
**7.1.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**7.1.3 表单 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| userId | Long | 是 | 人员ID |
| buildId | String | 是 | 建筑ID |
| file | MultipartFile | 是 | 上传图片文件 |

**7.1.4 表单 POST 请求示例**



**7.1.5 响应JSON 示例**

{  
    **"status"**:**"ok"**,  
    **"errorCode"**:**0**,  
    **"errmsg"**:**null**,  
    **"data"**:[  
        **"/image/view?id=474"**  
    ]  
}

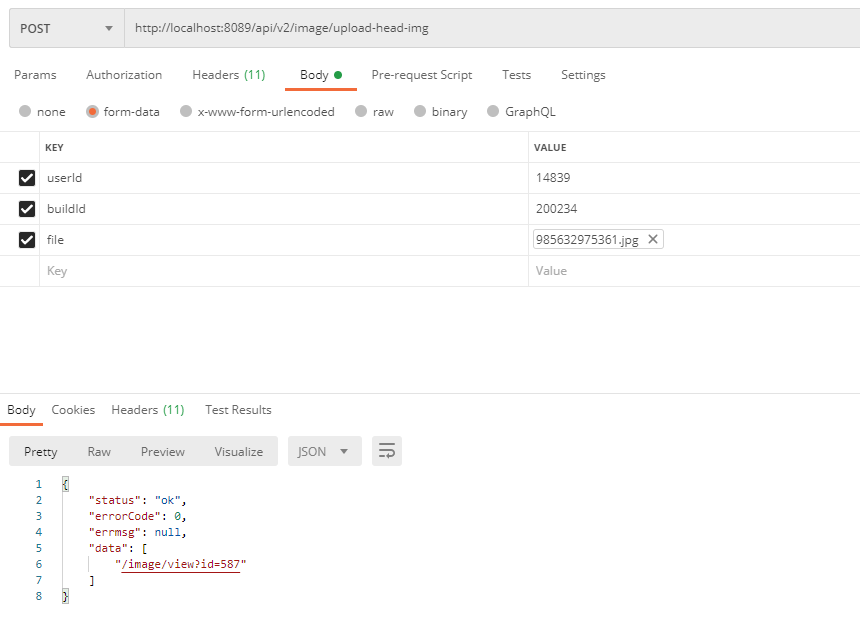
**7.1.6 异常JSON 示例**

{  
    **"data"**:**"JSON格式错误"**,  
    **"code"**:**1201**,  
    **"status"**:**"error"**  
}

**7.1.7 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |
| 1 | 错误 |

**7.1.8 图片案例**



**7.2 人员图片查看**

**适用版本：化工4.1及以上版本**

**7.2.1 URL**

/api/v2/image/view

**7.2.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

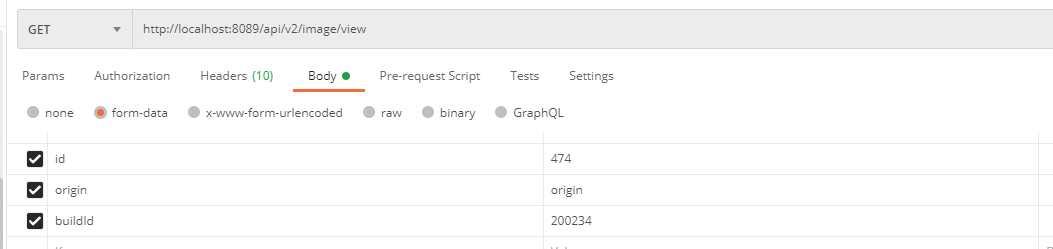
**7.2.3 表单Get 请求参数**

**origin : 原图**

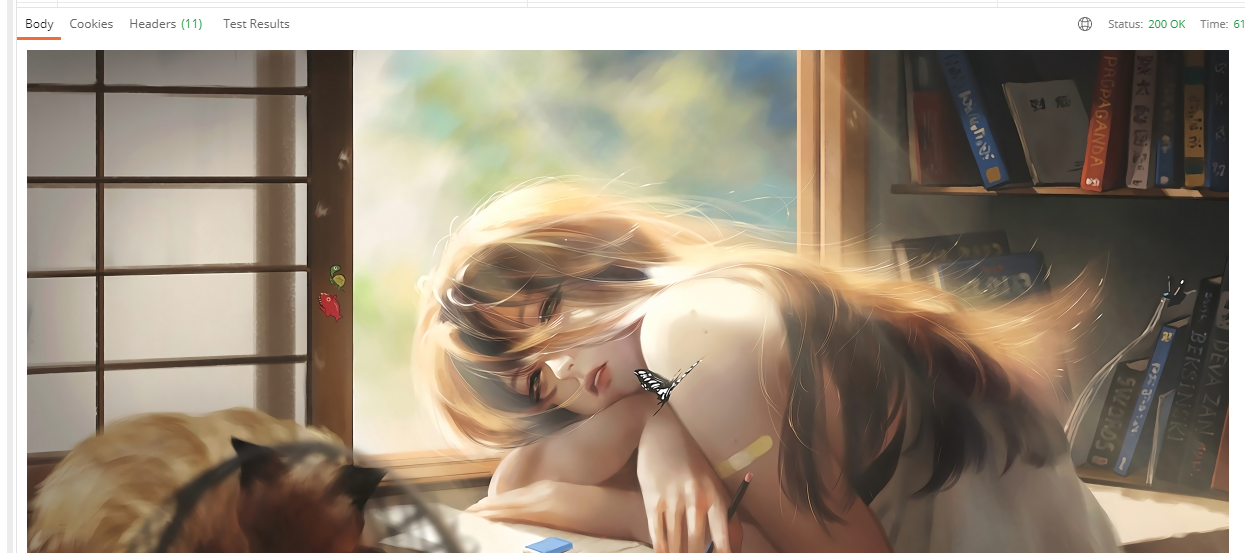
**thumb：缩略图**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| id | Long | 是 | 图片ID，不支持负数 |
| origin（origin/ thumb） | Stirng | 是 | 图片类型 |
| buildId | String | 是 | 建筑ID |

**7.2.4 表单Get 请求示例**



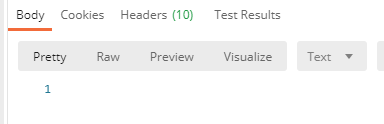
**7.2.5 响应 图片 示例**



**7.2.6 异常 图片 示例**

**暂无**

**图片内的“1”为返回结果**



**八、作业票 API**

**8.1添加作业票**

**适用版本：化工4.1及以上版本**

**8.1.1 URL**

/api/v2/ticket/add

**8.1.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**8.1.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |
| data | List<Long> | 是 | 风险区域ID集合 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 长度 | 描述 |
| jobName | String | 是 | 50 | 作业票类型 |
| jobLevel | String | 是 | 7 | 作业票等级 |
| jobNumber | String | 是 | 70 | 作业票编号 |
| applyUnit | String | 是 | 70 | 申请单位 |
| applyPersonName | String | 是 | 30 | 创建人 |
| applyPersonId | Long | 是 | 10 | 创建人ID |
| jobContent | Stirng | 是 | 50 | 作业内容 |
| startTime | String | 是 |  | 作业开始时间，格式：2020-01-08 17:07:45 |
| endTime | String | 是 |  | 作业结束时间，格式：2020-01-08 17:07:45 |
| locationCoordinates | List<ApiLocationCoordinate> | 是 |  | 坐标位置集合 |
| personnel | List<ApiPersonnel> | 是 |  | 作业人员 |
| safety | List<ApiSafetyMeasures> | 是 |  | 安全集合措施 |
| checkJobPersonOut | int | 否 | 1 | 开启作业人员离开报警，0：不开启；1开启 |
| checkOtherPersonIn | int | 否 | 1 | 开启非作业人员闯入报警，0不开启，1开启 |

|  |  |  |  |
| --- | --- | --- | --- |
| 参数（ApiLocationCoordinate） | 类型 | 是否必填 | 描述 |
| floorNo | String | 是 | 楼层 |
| lng | Double | 是 | X坐标 |
| lat | Double | 是 | Y坐标 |
| height | Integer | 是 | 高度 |

|  |  |  |  |
| --- | --- | --- | --- |
| 参数(ApiPersonnel) | 类型 | 是否必填 | 描述 |
| id | Long | 是 | 作业人员ID |
| name | Stirng | 是 | 作业人员姓名 |

|  |  |  |  |
| --- | --- | --- | --- |
| 参数(ApiSafetyMeasures) | 类型 | 是否必填 | 描述 |
| securityMeasures | String | 是 | 安全措施名称 |
| personnel | ApiPersonnel | 是 | 确认人属性 |

**8.1.4 请求JSON 示例**

{  
    **"buildId"**:**"200234"**,  
    **"data"**:[  
        {  
            **"jobName"**:**"动火作业"**,  
            **"jobLevel"**:**"特级"**,  
            **"jobNumber"**:**"10106"**,  
            **"applyUnit"**:**"申请单位"**,  
            **"applyPersonName"**:**"Tomy"**,  
            **"applyPersonId"**:**"11016"**,  
            **"startTime"**:**"2020-01-03 17:19:42"**,  
            **"endTime"**:**"2020-01-03 17:19:44"**,  
            **"jobContent"**:**"作业内容"**,  
            **"locationCoordinates"**:[  
                {  
                    **"floorNo"**:**"Floor1"**,  
                    **"lng"**:**118.98534875579338**,  
                    **"lat"**:**33.367246320423924**,  
                    **"height"**:**0**  
                },  
                {  
                    **"floorNo"**:**"Floor1"**,  
                    **"lng"**:**118.98686604446507**,  
                    **"lat"**:**33.36635777665498**,  
                    **"height"**:**0**  
                },  
                {  
                    **"floorNo"**:**"Floor1"**,  
                    **"lng"**:**118.98954678795778**,  
                    **"lat"**:**33.36716748076778**,  
                    **"height"**:**0**  
                }  
            ],  
            **"personnel"**:[  
                {  
                    **"id"**:**11016**,  
                    **"name"**:**"Tomy"**  
                },  
                {  
                    **"id"**:**11067**,  
                    **"name"**:**"小明"**  
                }  
            ],  
            **"safety"**:[  
                {  
                    **"securityMeasures"**:**"188"**,  
                    **"ensurePerson"**:{  
                        **"id"**:**11069**,  
                        **"name"**:**"坦克2号"**  
                    }  
                },  
                {  
                    **"securityMeasures"**:**"999"**,  
                    **"ensurePerson"**:{  
                        **"id"**:**11096**,  
                        **"name"**:**"测试网速"**  
                    }  
                }  
            ]  
        }  
    ]  
}

**8.1.5 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:**null**  
}

**8.1.6 异常JSON 示例**

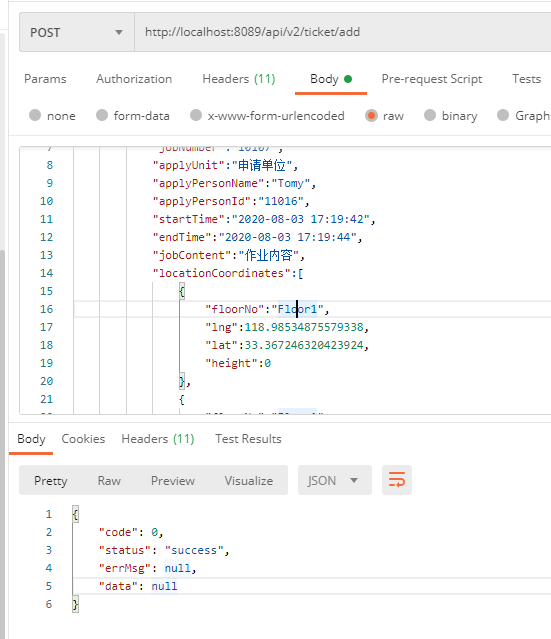
{  
    **"data"**:**"该作业编号已存在[10106]"**,  
    **"code"**:**1707**,  
    **"status"**:**"error"**  
}

{  
    **"data"**:**"JSON格式错误"**,  
    **"code"**:**1201**,  
    **"status"**:**"error"**  
}

**8.1.7业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |
| 1707 | 作业编号已存在 |
| 1705 | 作业类型不存在 |
| 1706 | 作业等级不存在 |
| 1302 | 人员不存在 |

**8.1.8 图片案例**



**8.2 删除作业票**

**适用版本：化工4.1及以上版本**

**8.2.1 URL**

/api/v2/ticket/delete

**8.2.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**8.2.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |
| data | List<Long> | 是 | 风险区域ID集合 |

**8.2.4 请求JSON 示例**

{  
    **"buildId"**:**"200234"**,  
    **"data"**:[  
        **111**,**112**,**113**  
    ]  
}

**8.2.5 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:**null**  
}

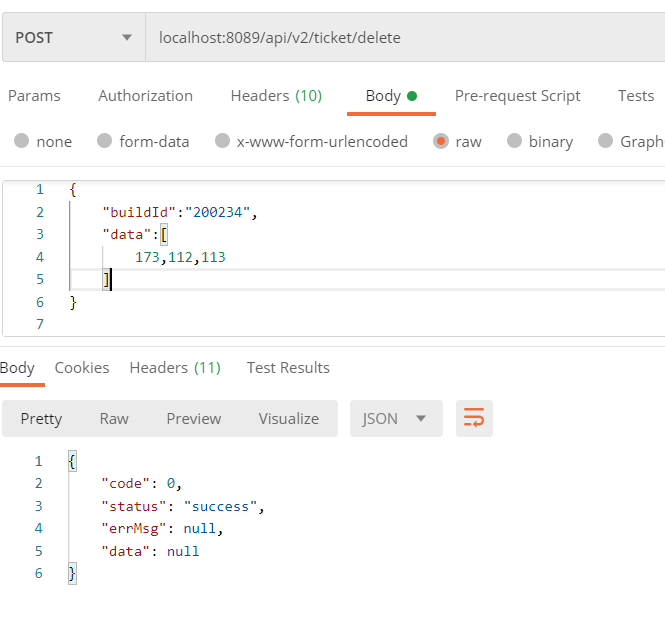
**8.2.6 异常JSON 示例**

{  
    **"data"**:**"作业票不存在[ 1214124214 ]"**,  
    **"code"**:**1708**,  
    **"status"**:**"error"**  
}

**8.2.7 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |
| 1708 | 作业票不存在 |

**8.2.8 图片案例**



**8.3 作业票查询**

**适用版本：化工4.1及以上版本**

**8.3.1 URL**

/api/v2/ticket/list

**8.3.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**8.3.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |
| jobNumber | String | 否 | 作业编号 |
| pageNumber | Integer | 是 | 第几页，最小是1 |
| pageSize | Integer | 是 | 每页显示数据条数，最小是15，最大是1000 |

**8.3.4 请求响应参数**

|  |  |  |
| --- | --- | --- |
| 参数 | 类型 | 描述 |
| id | Long | 作业ID |
| buildId | String | 建筑ID |
| jobName | String | 作业类型 |
| jobLevel | int | 作业等级 |
| jobNumber | String | 作业编号 |
| applicationUnit | String | 申请单位 |
| applicationPersonId | Long | 作业申请人ID |
| applicationPerson | String | 作业申请人姓名 |
| jobStartTime | Timestamp | 开始时间 |
| jobEndTime | Timestamp | 结束时间 |
| jobContent | String | 作业内容 |
| railDtoJson | String | 围栏json字符串 |
| markerPostion | String | 经纬度围栏json字符串 |
| jobPersonJson | String | 作业人json字符串 |
| checkJobPersonOut | int | 作业人离开报警 |
| checkOtherPersonIn | int | 其他人员进入 |
| securityJson | String | 安全措施 |
| createTime | datetime | 创建时间 |
| createBy | int | 创建人ID |
| updateTime | datetime | 修改时间 |
| updateBy | int | 修改人ID |
| deleteFlag | enum | 删除标记 |
| tenentId | int | 租户 |
| orgCode | String | 组织机构代码 |

|  |  |  |
| --- | --- | --- |
| 参数 | 类型 | 描述 |
| content | Object | 数据 |
| totalElements | Long | 总条数 |
| totalPages | Integer | 总页数 |
| presentPage | Integer | 当前页 |

**8.3.5 请求JSON 示例**

{  
    **"buildId"**:**"200234"**  
}

**8.3.6 响应JSON 示例**

{  
    **"status"**:**"ok"**,  
    **"errorCode"**:**0**,  
    **"errmsg"**:**null**,  
    **"content"**:[  
        {  
            **"id"**:**148**,  
            **"buildId"**:**"200234"**,  
            **"jobName"**:**"动火作业"**,  
            **"jobLevel"**:**"特级"**,  
            **"jobNumber"**:**"作业编号"**,  
            **"applicationUnit"**:**"申请单位"**,  
            **"applicationPersonId"**:**14841**,  
            **"applicationPerson"**:**"ces"**,  
            **"jobStartTime"**:**"2020-08-28 15:55:17"**,  
            **"jobEndTime"**:**"2020-08-28 15:55:18"**,  
            **"jobContent"**:**"作业内容"**,  
            **"railDtoJson"**:**"{"railId":"58b9fd93674a4087881ca7b73fadbd95","railName":"动火作业","floorNo":"Floor1","pointsList":[{"x":141370,"y":136032},{"x":411791,"y":169352},{"x":296116,"y":216870},{"x":296116,"y":216870}]}"**,  
            **"markerPostion"**:**"[{"floorNo":"Floor1","lng":118.98534695113322,"lat":33.36675693867243,"height":0},{"floorNo":"Floor1","lng":118.98825245388616,"lat":33.366456155936326,"height":0},{"floorNo":"Floor1","lng":118.98700959875065,"lat":33.36602720635426,"height":0},{"floorNo":"Floor1","lng":118.98700959875065,"lat":33.36602720635426,"height":0}]"**,  
            **"jobPersonJson"**:**"[{"id":14841,"name":"ces"}]"**,  
            **"checkJobPersonOut"**:**0**,  
            **"checkOtherPersonIn"**:**0**,  
            **"securityJson"**:**"[{"securityMeasures":"安全措施","ensurePerson":{"id":14841,"name":"ces"}}]"**,  
            **"createTime"**:**"2020-08-28 15:56:04"**,  
            **"createBy"**:**11009**,  
            **"updateTime"**:**"2020-08-28 15:56:04"**,  
            **"updateBy"**:**11009**,  
            **"deleteFlag"**:**"0"**,  
            **"tenentId"**:**50**,  
            **"orgCode"**:**"001"**  
        },  
        {  
            **"id"**:**147**,  
            **"buildId"**:**"200234"**,  
            **"jobName"**:**"动火作业"**,  
            **"jobLevel"**:**"特级"**,  
            **"jobNumber"**:**"2020年8月28日15:45:05"**,  
            **"applicationUnit"**:**"212"**,  
            **"applicationPersonId"**:**14841**,  
            **"applicationPerson"**:**"ces"**,  
            **"jobStartTime"**:**"2020-08-28 15:44:40"**,  
            **"jobEndTime"**:**"2020-08-28 15:44:42"**,  
            **"jobContent"**:**"1212"**,  
            **"railDtoJson"**:**"{"railId":"821a65221ddd46009a39e4d05d12327d","railName":"动火作业","floorNo":"Floor1","pointsList":[{"x":181128,"y":173591},{"x":367086,"y":193014},{"x":591209,"y":172157},{"x":447744,"y":43341},{"x":278389,"y":109119}]}"**,  
            **"markerPostion"**:**"[{"floorNo":"Floor1","lng":118.98577411866543,"lat":33.36641789571817,"height":0},{"floorNo":"Floor1","lng":118.98777212492428,"lat":33.366242557827064,"height":0},{"floorNo":"Floor1","lng":118.99018018286436,"lat":33.366430832775926,"height":0},{"floorNo":"Floor1","lng":118.9886387391567,"lat":33.36759367142751,"height":0},{"floorNo":"Floor1","lng":118.98681913086328,"lat":33.36699989005224,"height":0}]"**,  
            **"jobPersonJson"**:**"[{"id":14766,"name":"2020年8月19日"},{"id":14641,"name":"还是1"}]"**,  
            **"checkJobPersonOut"**:**0**,  
            **"checkOtherPersonIn"**:**0**,  
            **"securityJson"**:**"[{"securityMeasures":"1","ensurePerson":{"id":14841,"name":"ces"}}]"**,  
            **"createTime"**:**"2020-08-28 15:45:09"**,  
            **"createBy"**:**11009**,  
            **"updateTime"**:**"2020-08-28 15:45:09"**,  
            **"updateBy"**:**11009**,  
            **"deleteFlag"**:**"0"**,  
            **"tenentId"**:**50**,  
            **"orgCode"**:**"001"**  
        },  
        {  
            **"id"**:**146**,  
            **"buildId"**:**"200234"**,  
            **"jobName"**:**"动火作业"**,  
            **"jobLevel"**:**"特级"**,  
            **"jobNumber"**:**"144203"**,  
            **"applicationUnit"**:**"申请单位名称"**,  
            **"applicationPersonId"**:**14641**,  
            **"applicationPerson"**:**"还是1"**,  
            **"jobStartTime"**:**"2020-08-28 15:38:20"**,  
            **"jobEndTime"**:**"2020-08-28 15:38:22"**,  
            **"jobContent"**:**"作业内容"**,  
            **"railDtoJson"**:**"{"railId":"ad37adb910eb4d0488aa272bbe5fe618","railName":"动火作业","floorNo":"Floor1","pointsList":[{"x":25822,"y":199323},{"x":410032,"y":183128},{"x":264650,"y":340891},{"x":419912,"y":104317}]}"**,  
            **"markerPostion"**:**"[{"floorNo":"Floor1","lng":118.98410545075447,"lat":33.36618560345763,"height":0},{"floorNo":"Floor1","lng":118.9882335470474,"lat":33.3663318015312,"height":0},{"floorNo":"Floor1","lng":118.9866715077509,"lat":33.36490765324887,"height":0},{"floorNo":"Floor1","lng":118.98833970305337,"lat":33.36704323953869,"height":0}]"**,  
            **"jobPersonJson"**:**"[{"id":14641,"name":"还是1"}]"**,  
            **"checkJobPersonOut"**:**0**,  
            **"checkOtherPersonIn"**:**0**,  
            **"securityJson"**:**"[{"securityMeasures":"措施1","ensurePerson":{"id":14489,"name":"哥哥1"}}]"**,  
            **"createTime"**:**"2020-08-28 15:43:43"**,  
            **"createBy"**:**11009**,  
            **"updateTime"**:**"2020-08-28 15:43:43"**,  
            **"updateBy"**:**11009**,  
            **"deleteFlag"**:**"0"**,  
            **"tenentId"**:**50**,  
            **"orgCode"**:**"001"**  
        },  
        {  
            **"id"**:**144**,  
            **"buildId"**:**"200234"**,  
            **"jobName"**:**"动火作业"**,  
            **"jobLevel"**:**"特级"**,  
            **"jobNumber"**:**"122"**,  
            **"applicationUnit"**:**"12"**,  
            **"applicationPersonId"**:**14841**,  
            **"applicationPerson"**:**"ces"**,  
            **"jobStartTime"**:**"2020-08-28 15:34:24"**,  
            **"jobEndTime"**:**"2020-08-28 15:34:25"**,  
            **"jobContent"**:**"1"**,  
            **"railDtoJson"**:**"{"railId":"a61f441a478c4b348c452adc5fe5c149","railName":"动火作业","floorNo":"Floor1","pointsList":[{"x":196725,"y":120614},{"x":219559,"y":190651},{"x":367898,"y":148692},{"x":366320,"y":159215}]}"**,  
            **"markerPostion"**:**"[{"floorNo":"Floor1","lng":118.98594169826822,"lat":33.36689612318016,"height":0},{"floorNo":"Floor1","lng":118.9861870365435,"lat":33.366263885070886,"height":0},{"floorNo":"Floor1","lng":118.98778084454236,"lat":33.36664265861526,"height":0},{"floorNo":"Floor1","lng":118.9877638926352,"lat":33.36654766532503,"height":0}]"**,  
            **"jobPersonJson"**:**"[{"id":14766,"name":"2020年8月19日"}]"**,  
            **"checkJobPersonOut"**:**0**,  
            **"checkOtherPersonIn"**:**0**,  
            **"securityJson"**:**"[{"securityMeasures":"1","ensurePerson":{"id":14766,"name":"2020年8月19日"}}]"**,  
            **"createTime"**:**"2020-08-28 15:34:46"**,  
            **"createBy"**:**11009**,  
            **"updateTime"**:**"2020-08-28 15:34:46"**,  
            **"updateBy"**:**11009**,  
            **"deleteFlag"**:**"0"**,  
            **"tenentId"**:**50**,  
            **"orgCode"**:**"001"**  
        },  
        {  
            **"id"**:**142**,  
            **"buildId"**:**"200234"**,  
            **"jobName"**:**"动火作业"**,  
            **"jobLevel"**:**"特级"**,  
            **"jobNumber"**:**"144201"**,  
            **"applicationUnit"**:**"申请单位名称"**,  
            **"applicationPersonId"**:**14856**,  
            **"applicationPerson"**:**"测试5"**,  
            **"jobStartTime"**:**"2020-08-13 00:00:00"**,  
            **"jobEndTime"**:**"2020-08-23 00:00:00"**,  
            **"jobContent"**:**"作业内容"**,  
            **"railDtoJson"**:**"{"railId":"45127ed2f17e47c3b4f2b91e9b0e1de4","railName":"动火作业","floorNo":"Floor1","pointsList":[{"x":141538,"y":81820},{"x":282755,"y":180250},{"x":532257,"y":90553}]}"**,  
            **"markerPostion"**:**"[{"floorNo":"Floor1","lng":118.98534875579338,"lat":33.367246320423924,"height":0},{"floorNo":"Floor1","lng":118.98686604446507,"lat":33.36635777665498,"height":0},{"floorNo":"Floor1","lng":118.98954678795778,"lat":33.36716748076778,"height":0}]"**,  
            **"jobPersonJson"**:**"[{"id":14844,"name":"小小129"}]"**,  
            **"checkJobPersonOut"**:**0**,  
            **"checkOtherPersonIn"**:**0**,  
            **"securityJson"**:**"[{"securityMeasures":"措施1","personnelVo":{"id":14844,"name":"小小129"}}]"**,  
            **"createTime"**:**"2020-08-28 14:59:40"**,  
            **"createBy"**:**11009**,  
            **"updateTime"**:**"2020-08-28 14:59:40"**,  
            **"updateBy"**:**11009**,  
            **"deleteFlag"**:**"0"**,  
            **"tenentId"**:**50**,  
            **"orgCode"**:**"001"**  
        },  
        {  
            **"id"**:**141**,  
            **"buildId"**:**"200234"**,  
            **"jobName"**:**"动火作业"**,  
            **"jobLevel"**:**"特级"**,  
            **"jobNumber"**:**"3131112121112"**,  
            **"applicationUnit"**:**"申请单位"**,  
            **"applicationPersonId"**:**14811**,  
            **"applicationPerson"**:**"2020年8月27日"**,  
            **"jobStartTime"**:**"2020-08-03 17:19:42"**,  
            **"jobEndTime"**:**"2020-08-03 17:19:44"**,  
            **"jobContent"**:**"作业内容"**,  
            **"railDtoJson"**:**"{"railId":"3f03e37e068842869d1d6850c0b74f3e","railName":"动火作业","floorNo":"Floor1","pointsList":[{"x":141538,"y":81820},{"x":282755,"y":180250},{"x":532257,"y":90553}]}"**,  
            **"markerPostion"**:**"[{"floorNo":"Floor1","lng":118.98534875579338,"lat":33.367246320423924,"height":0},{"floorNo":"Floor1","lng":118.98686604446507,"lat":33.36635777665498,"height":0},{"floorNo":"Floor1","lng":118.98954678795778,"lat":33.36716748076778,"height":0}]"**,  
            **"jobPersonJson"**:**"[{"id":14811,"name":"2020年8月27日"}]"**,  
            **"checkJobPersonOut"**:**0**,  
            **"checkOtherPersonIn"**:**0**,  
            **"securityJson"**:**"[{"securityMeasures":"188","personnelVo":{"id":14844,"name":"小小129"}},{"securityMeasures":"qweq","personnelVo":{"id":14840,"name":"123"}}]"**,  
            **"createTime"**:**"2020-08-28 12:22:49"**,  
            **"createBy"**:**11009**,  
            **"updateTime"**:**"2020-08-28 12:22:49"**,  
            **"updateBy"**:**11009**,  
            **"deleteFlag"**:**"0"**,  
            **"tenentId"**:**50**,  
            **"orgCode"**:**"001"**  
        },  
        {  
            **"id"**:**140**,  
            **"buildId"**:**"200234"**,  
            **"jobName"**:**"动火作业"**,  
            **"jobLevel"**:**"特级"**,  
            **"jobNumber"**:**"3131112112"**,  
            **"applicationUnit"**:**"申请单位"**,  
            **"applicationPersonId"**:**14811**,  
            **"applicationPerson"**:**"2020年8月27日"**,  
            **"jobStartTime"**:**"2020-08-03 17:19:42"**,  
            **"jobEndTime"**:**"2020-08-03 17:19:44"**,  
            **"jobContent"**:**"作业内容"**,  
            **"railDtoJson"**:**"{"railId":"72a89af31a564c70973801cf74c9aa28","railName":"动火作业","floorNo":"Floor1","pointsList":[{"x":141538,"y":81820},{"x":282755,"y":180250},{"x":532257,"y":90553}]}"**,  
            **"markerPostion"**:**"[{"floorNo":"Floor1","lng":118.98534875579338,"lat":33.367246320423924,"height":0},{"floorNo":"Floor1","lng":118.98686604446507,"lat":33.36635777665498,"height":0},{"floorNo":"Floor1","lng":118.98954678795778,"lat":33.36716748076778,"height":0}]"**,  
            **"jobPersonJson"**:**"[{"id":14811,"name":"2020年8月27日"}]"**,  
            **"checkJobPersonOut"**:**0**,  
            **"checkOtherPersonIn"**:**0**,  
            **"securityJson"**:**"[{"securityMeasures":"188","personnelVo":{"id":14844,"name":"小小129"}},{"securityMeasures":"qweq","personnelVo":{"id":14840,"name":"123"}}]"**,  
            **"createTime"**:**"2020-08-28 11:47:56"**,  
            **"createBy"**:**11009**,  
            **"updateTime"**:**"2020-08-28 11:47:56"**,  
            **"updateBy"**:**11009**,  
            **"deleteFlag"**:**"0"**,  
            **"tenentId"**:**50**,  
            **"orgCode"**:**"001"**  
        },  
        {  
            **"id"**:**139**,  
            **"buildId"**:**"200234"**,  
            **"jobName"**:**"动火作业"**,  
            **"jobLevel"**:**"特级"**,  
            **"jobNumber"**:**"31311121"**,  
            **"applicationUnit"**:**"申请单位"**,  
            **"applicationPersonId"**:**14811**,  
            **"applicationPerson"**:**"2020年8月27日"**,  
            **"jobStartTime"**:**"2020-08-03 17:19:42"**,  
            **"jobEndTime"**:**"2020-08-03 17:19:44"**,  
            **"jobContent"**:**"作业内容"**,  
            **"railDtoJson"**:**"{"railId":"1002a3e3b633441f852099f97d757bfa","railName":"动火作业","floorNo":"Floor1","pointsList":[{"x":141538,"y":81820},{"x":282755,"y":180250},{"x":532257,"y":90553}]}"**,  
            **"markerPostion"**:**"[{"floorNo":"Floor1","lng":118.98534875579338,"lat":33.367246320423924,"height":0},{"floorNo":"Floor1","lng":118.98686604446507,"lat":33.36635777665498,"height":0},{"floorNo":"Floor1","lng":118.98954678795778,"lat":33.36716748076778,"height":0}]"**,  
            **"jobPersonJson"**:**"[{"id":14811,"name":"2020年8月27日"}]"**,  
            **"checkJobPersonOut"**:**0**,  
            **"checkOtherPersonIn"**:**0**,  
            **"securityJson"**:**"[{"securityMeasures":"188","personnelVo":{"id":14844,"name":"小小129"}},{"securityMeasures":"999","personnelVo":{"id":14840,"name":"123"}}]"**,  
            **"createTime"**:**"2020-08-28 11:38:36"**,  
            **"createBy"**:**11009**,  
            **"updateTime"**:**"2020-08-28 11:38:36"**,  
            **"updateBy"**:**11009**,  
            **"deleteFlag"**:**"0"**,  
            **"tenentId"**:**50**,  
            **"orgCode"**:**"001"**  
        },  
        {  
            **"id"**:**138**,  
            **"buildId"**:**"200234"**,  
            **"jobName"**:**"动火作业"**,  
            **"jobLevel"**:**"特级"**,  
            **"jobNumber"**:**"31311"**,  
            **"applicationUnit"**:**"申请单位"**,  
            **"applicationPersonId"**:**14811**,  
            **"applicationPerson"**:**"2020年8月27日"**,  
            **"jobStartTime"**:**"2020-08-03 17:19:42"**,  
            **"jobEndTime"**:**"2020-08-03 17:19:44"**,  
            **"jobContent"**:**"作业内容"**,  
            **"railDtoJson"**:**"{"railId":"2038eb60c5a04e28b037e3787e182159","railName":"动火作业","floorNo":"Floor1","pointsList":[{"x":141538,"y":81820},{"x":282755,"y":180250},{"x":532257,"y":90553}]}"**,  
            **"markerPostion"**:**"[{"floorNo":"Floor1","lng":118.98534875579338,"lat":33.367246320423924,"height":0},{"floorNo":"Floor1","lng":118.98686604446507,"lat":33.36635777665498,"height":0},{"floorNo":"Floor1","lng":118.98954678795778,"lat":33.36716748076778,"height":0}]"**,  
            **"jobPersonJson"**:**"[{"id":14811,"name":"2020年8月27日"}]"**,  
            **"checkJobPersonOut"**:**0**,  
            **"checkOtherPersonIn"**:**0**,  
            **"securityJson"**:**"[{"securityMeasures":"188","personnelVo":{"id":14844,"name":"小小129"}},{"securityMeasures":"999","personnelVo":{"id":14840,"name":"123"}}]"**,  
            **"createTime"**:**"2020-08-28 11:38:26"**,  
            **"createBy"**:**11009**,  
            **"updateTime"**:**"2020-08-28 11:38:26"**,  
            **"updateBy"**:**11009**,  
            **"deleteFlag"**:**"0"**,  
            **"tenentId"**:**50**,  
            **"orgCode"**:**"001"**  
        },  
        {  
            **"id"**:**137**,  
            **"buildId"**:**"200234"**,  
            **"jobName"**:**"动火作业"**,  
            **"jobLevel"**:**"特级"**,  
            **"jobNumber"**:**"3131"**,  
            **"applicationUnit"**:**"申请单位"**,  
            **"applicationPersonId"**:**14811**,  
            **"applicationPerson"**:**"2020年8月27日"**,  
            **"jobStartTime"**:**"2020-08-03 17:19:42"**,  
            **"jobEndTime"**:**"2020-08-03 17:19:44"**,  
            **"jobContent"**:**"作业内容"**,  
            **"railDtoJson"**:**"{"railId":"05de60b65a174126bfe1e36ef1b700f1","railName":"动火作业","floorNo":"Floor1","pointsList":[{"x":141538,"y":81820},{"x":282755,"y":180250},{"x":532257,"y":90553}]}"**,  
            **"markerPostion"**:**"[{"floorNo":"Floor1","lng":118.98534875579338,"lat":33.367246320423924,"height":0},{"floorNo":"Floor1","lng":118.98686604446507,"lat":33.36635777665498,"height":0},{"floorNo":"Floor1","lng":118.98954678795778,"lat":33.36716748076778,"height":0}]"**,  
            **"jobPersonJson"**:**"[{"id":14811,"name":"2020年8月27日"}]"**,  
            **"checkJobPersonOut"**:**0**,  
            **"checkOtherPersonIn"**:**0**,  
            **"securityJson"**:**"[{"securityMeasures":"188","personnelVo":{"id":14844,"name":"小小129"}},{"securityMeasures":"999","personnelVo":{"id":14840,"name":"123"}}]"**,  
            **"createTime"**:**"2020-08-28 11:38:11"**,  
            **"createBy"**:**11009**,  
            **"updateTime"**:**"2020-08-28 11:38:11"**,  
            **"updateBy"**:**11009**,  
            **"deleteFlag"**:**"0"**,  
            **"tenentId"**:**50**,  
            **"orgCode"**:**"001"**  
        },  
        {  
            **"id"**:**136**,  
            **"buildId"**:**"200234"**,  
            **"jobName"**:**"动火作业"**,  
            **"jobLevel"**:**"特级"**,  
            **"jobNumber"**:**"10101411"**,  
            **"applicationUnit"**:**"申请单位"**,  
            **"applicationPersonId"**:**14811**,  
            **"applicationPerson"**:**"2020年8月27日"**,  
            **"jobStartTime"**:**"2020-08-03 17:19:42"**,  
            **"jobEndTime"**:**"2020-08-03 17:19:44"**,  
            **"jobContent"**:**"作业内容"**,  
            **"railDtoJson"**:**"{"railId":"0a11dccb2ed24e509ed6bce01ab38298","railName":"动火作业","floorNo":"Floor1","pointsList":[{"x":141538,"y":2147483647},{"x":282755,"y":180250},{"x":532257,"y":90553}]}"**,  
            **"markerPostion"**:**"[{"floorNo":"Floor1","lng":118.98534875579338,"lat":0.0,"height":0},{"floorNo":"Floor1","lng":118.98686604446507,"lat":33.36635777665498,"height":0},{"floorNo":"Floor1","lng":118.98954678795778,"lat":33.36716748076778,"height":0}]"**,  
            **"jobPersonJson"**:**"[{"id":1,"name":"2020年7月29日09"},{"id":14488,"name":"2020年7月29日09"}]"**,  
            **"checkJobPersonOut"**:**0**,  
            **"checkOtherPersonIn"**:**0**,  
            **"securityJson"**:**"[{"securityMeasures":"188"},{"securityMeasures":"999"}]"**,  
            **"createTime"**:**"2020-08-28 10:49:51"**,  
            **"createBy"**:**11009**,  
            **"updateTime"**:**"2020-08-28 10:49:51"**,  
            **"updateBy"**:**11009**,  
            **"deleteFlag"**:**"0"**,  
            **"tenentId"**:**50**,  
            **"orgCode"**:**"001"**  
        },  
        {  
            **"id"**:**135**,  
            **"buildId"**:**"200234"**,  
            **"jobName"**:**"动火作业"**,  
            **"jobLevel"**:**"特级"**,  
            **"jobNumber"**:**"1010141"**,  
            **"applicationUnit"**:**"申请单位"**,  
            **"applicationPersonId"**:**14811**,  
            **"applicationPerson"**:**"2020年8月27日"**,  
            **"jobStartTime"**:**"2020-08-03 17:19:42"**,  
            **"jobEndTime"**:**"2020-08-03 17:19:44"**,  
            **"jobContent"**:**"作业内容"**,  
            **"railDtoJson"**:**"{"railId":"c06f5d758e0e453a8c616bada1245250","railName":"动火作业","floorNo":"Floor1","pointsList":[{"x":141538,"y":81820},{"x":282755,"y":180250},{"x":532257,"y":90553}]}"**,  
            **"markerPostion"**:**"[{"floorNo":"Floor1","lng":118.98534875579338,"lat":33.367246320423924,"height":0},{"floorNo":"Floor1","lng":118.98686604446507,"lat":33.36635777665498,"height":0},{"floorNo":"Floor1","lng":118.98954678795778,"lat":33.36716748076778,"height":0}]"**,  
            **"jobPersonJson"**:**"[{"id":1,"name":"2020年7月29日09"},{"id":14488,"name":"2020年7月29日09"}]"**,  
            **"checkJobPersonOut"**:**0**,  
            **"checkOtherPersonIn"**:**0**,  
            **"securityJson"**:**"[{"securityMeasures":"188"},{"securityMeasures":"999"}]"**,  
            **"createTime"**:**"2020-08-28 10:43:30"**,  
            **"createBy"**:**11009**,  
            **"updateTime"**:**"2020-08-28 10:43:30"**,  
            **"updateBy"**:**11009**,  
            **"deleteFlag"**:**"0"**,  
            **"tenentId"**:**50**,  
            **"orgCode"**:**"001"**  
        },  
        {  
            **"id"**:**134**,  
            **"buildId"**:**"200234"**,  
            **"jobName"**:**"动火作业"**,  
            **"jobLevel"**:**"特级"**,  
            **"jobNumber"**:**"101014"**,  
            **"applicationUnit"**:**"申请单位"**,  
            **"applicationPersonId"**:**14811**,  
            **"applicationPerson"**:**"2020年8月27日"**,  
            **"jobStartTime"**:**"2020-08-03 17:19:42"**,  
            **"jobEndTime"**:**"2020-08-03 17:19:44"**,  
            **"jobContent"**:**"作业内容"**,  
            **"railDtoJson"**:**"{"railId":"70ffa4adc1b84c3384ee8793c4219b6d","railName":"动火作业","floorNo":"Floor1","pointsList":[{"x":141538,"y":81820},{"x":282755,"y":180250},{"x":532257,"y":90553}]}"**,  
            **"markerPostion"**:**"[{"floorNo":"Floor1","lng":118.98534875579338,"lat":33.367246320423924,"height":0},{"floorNo":"Floor1","lng":118.98686604446507,"lat":33.36635777665498,"height":0},{"floorNo":"Floor1","lng":118.98954678795778,"lat":33.36716748076778,"height":0}]"**,  
            **"jobPersonJson"**:**"[{"id":14486,"name":"2020年7月29日09"},{"id":14488,"name":"2020年7月29日09"}]"**,  
            **"checkJobPersonOut"**:**0**,  
            **"checkOtherPersonIn"**:**0**,  
            **"securityJson"**:**"[{"securityMeasures":"188"},{"securityMeasures":"999"}]"**,  
            **"createTime"**:**"2020-08-28 10:42:54"**,  
            **"createBy"**:**11009**,  
            **"updateTime"**:**"2020-08-28 10:42:54"**,  
            **"updateBy"**:**11009**,  
            **"deleteFlag"**:**"0"**,  
            **"tenentId"**:**50**,  
            **"orgCode"**:**"001"**  
        },  
        {  
            **"id"**:**133**,  
            **"buildId"**:**"200234"**,  
            **"jobName"**:**"动火1作业"**,  
            **"jobLevel"**:**"特级"**,  
            **"jobNumber"**:**"201015"**,  
            **"applicationUnit"**:**"申请单位"**,  
            **"applicationPersonId"**:**14486**,  
            **"applicationPerson"**:**"2020年8月3日20:24:29"**,  
            **"jobStartTime"**:**"2020-08-03 17:19:42"**,  
            **"jobEndTime"**:**"2020-08-03 17:19:44"**,  
            **"jobContent"**:**"作业内容"**,  
            **"railDtoJson"**:**"{"railId":"3a5112937dd249ee8fa0a28d6ca901b5","railName":"动火1作业","floorNo":"Floor1","pointsList":[{"x":141538,"y":81820},{"x":282755,"y":180250},{"x":532257,"y":90553}]}"**,  
            **"markerPostion"**:**"[{"floorNo":"Floor1","lng":118.98534875579338,"lat":33.367246320423924,"height":0},{"floorNo":"Floor1","lng":118.98686604446507,"lat":33.36635777665498,"height":0},{"floorNo":"Floor1","lng":118.98954678795778,"lat":33.36716748076778,"height":0}]"**,  
            **"jobPersonJson"**:**"[{"id":14486,"name":"2020年7月29日09"},{"id":14488,"name":"2020年7月29日09"}]"**,  
            **"checkJobPersonOut"**:**0**,  
            **"checkOtherPersonIn"**:**0**,  
            **"securityJson"**:**"[{"securityMeasures":"188"},{"securityMeasures":"999"}]"**,  
            **"createTime"**:**"2020-08-27 16:39:25"**,  
            **"createBy"**:**11009**,  
            **"updateTime"**:**"2020-08-27 16:39:25"**,  
            **"updateBy"**:**11009**,  
            **"deleteFlag"**:**"0"**,  
            **"tenentId"**:**50**,  
            **"orgCode"**:**"001"**  
        },  
        {  
            **"id"**:**132**,  
            **"buildId"**:**"200234"**,  
            **"jobName"**:**"动火作业"**,  
            **"jobLevel"**:**"特级"**,  
            **"jobNumber"**:**"20105"**,  
            **"applicationUnit"**:**"申请单位"**,  
            **"applicationPersonId"**:**14486**,  
            **"applicationPerson"**:**"2020年8月3日20:24:29"**,  
            **"jobStartTime"**:**"2020-08-03 17:19:42"**,  
            **"jobEndTime"**:**"2020-08-03 17:19:44"**,  
            **"jobContent"**:**"作业内容"**,  
            **"railDtoJson"**:**"{"railId":"1cdcffc06b0548609c2943811efc3b02","railName":"动火作业","floorNo":"Floor1","pointsList":[{"x":141538,"y":81820},{"x":282755,"y":180250},{"x":532257,"y":90553}]}"**,  
            **"markerPostion"**:**"[{"floorNo":"Floor1","lng":118.98534875579338,"lat":33.367246320423924,"height":0},{"floorNo":"Floor1","lng":118.98686604446507,"lat":33.36635777665498,"height":0},{"floorNo":"Floor1","lng":118.98954678795778,"lat":33.36716748076778,"height":0}]"**,  
            **"jobPersonJson"**:**"[{"id":14486,"name":"2020年7月29日09"},{"id":14488,"name":"2020年7月29日09"}]"**,  
            **"checkJobPersonOut"**:**0**,  
            **"checkOtherPersonIn"**:**0**,  
            **"securityJson"**:**"[{"securityMeasures":"188"},{"securityMeasures":"999"}]"**,  
            **"createTime"**:**"2020-08-27 16:39:20"**,  
            **"createBy"**:**11009**,  
            **"updateTime"**:**"2020-08-27 16:39:20"**,  
            **"updateBy"**:**11009**,  
            **"deleteFlag"**:**"0"**,  
            **"tenentId"**:**50**,  
            **"orgCode"**:**"001"**  
        }  
    ]  
}

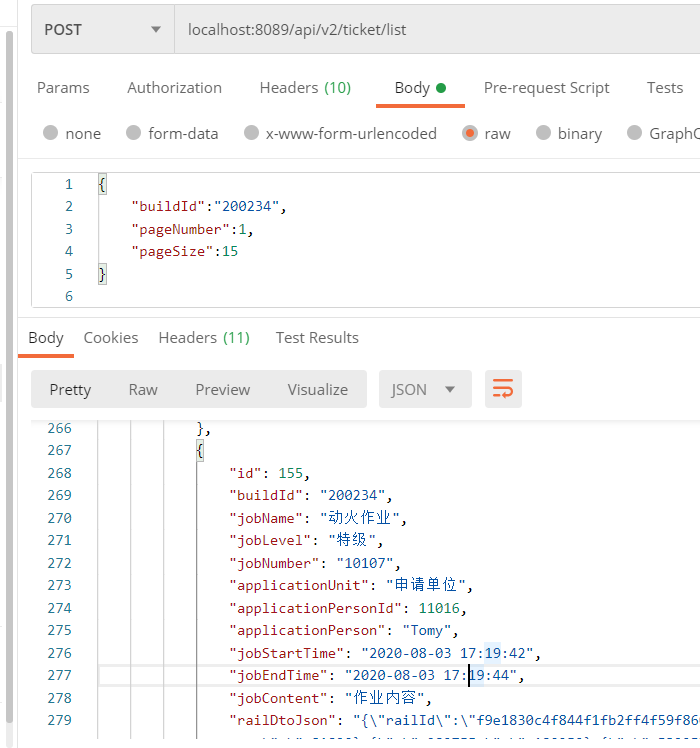
**8.3.7 异常JSON 示例**

{  
    **"data"**:**"JSON格式错误"**,  
    **"code"**:**1201**,  
    **"status"**:**"error"**  
}

**8.3.8 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |

**8.3.9 图片案例**



**九、用户扩展数据API**

**9.1 添加用户扩展数据**

**适用版本：化工4.1及以上版本**

**9.1.1 URL**

/api/v2/person/extend-property

**9.1.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**9.1.3 POST 请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |
| id | Long | 是 | 用户ID |
| thirdParty | List | 是 | 扩展数据List集合 |

**9.1.4 请求JSON 示例**

范例：—》

List 集合

[JsonRootBean(name=教育, type=Object, value=Value(fields=[Fields(fieldName=最高学历, fieldValue=本科)])), JsonRootBean(name=培训, type=list, value=[Value(fields=[Fields(fieldName=培训经历, fieldValue=2020年7月28日17:35:43), Fields(fieldName=培训经历, fieldValue=2020年7月28日17:35:43), Fields(fieldName=培训经历, fieldValue=2020年7月28日17:35:43)])])]

如下 ——》

[{"name":"教育","type":"Object","value":{"fields":[{"fieldName":"最高学历","fieldValue":"本科"}]}},{"name":"培训","type":"list","value":[{"fields":[{"fieldName":"培训经历","fieldValue":"2020年7月28日17:35:43"},{"fieldName":"培训经历","fieldValue":"2020年7月28日17:35:43"},{"fieldName":"培训经历","fieldValue":"2020年7月28日17:35:43"}]}]}]

{  
    **"buildId"**:**"200234"**,  
    **"id"**:**"11016"**,  
    **"thirdParty"**:[  
        {  
            **"name"**:**"教育"**,  
            **"type"**:**"Object"**,  
            **"value"**:{  
                **"fields"**:[  
                    {  
                        **"fieldName"**:**"最高学历"**,  
                        **"fieldValue"**:**"本科"**  
                    }  
                ]  
            }  
        },  
        {  
            **"name"**:**"培训"**,  
            **"type"**:**"list"**,  
            **"value"**:[  
                {  
                    **"fields"**:[  
                        {  
                            **"fieldName"**:**"培训经历"**,  
                            **"fieldValue"**:**"2020年7月28日17:35:43"**  
                        },  
                        {  
                            **"fieldName"**:**"培训经历"**,  
                            **"fieldValue"**:**"2020年7月28日17:35:43"**  
                        },  
                        {  
                            **"fieldName"**:**"培训经历"**,  
                            **"fieldValue"**:**"2020年7月28日17:35:43"**  
                        }  
                    ]  
                }  
            ]  
        }  
    ]  
}

**9.1.5 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:**null**  
}

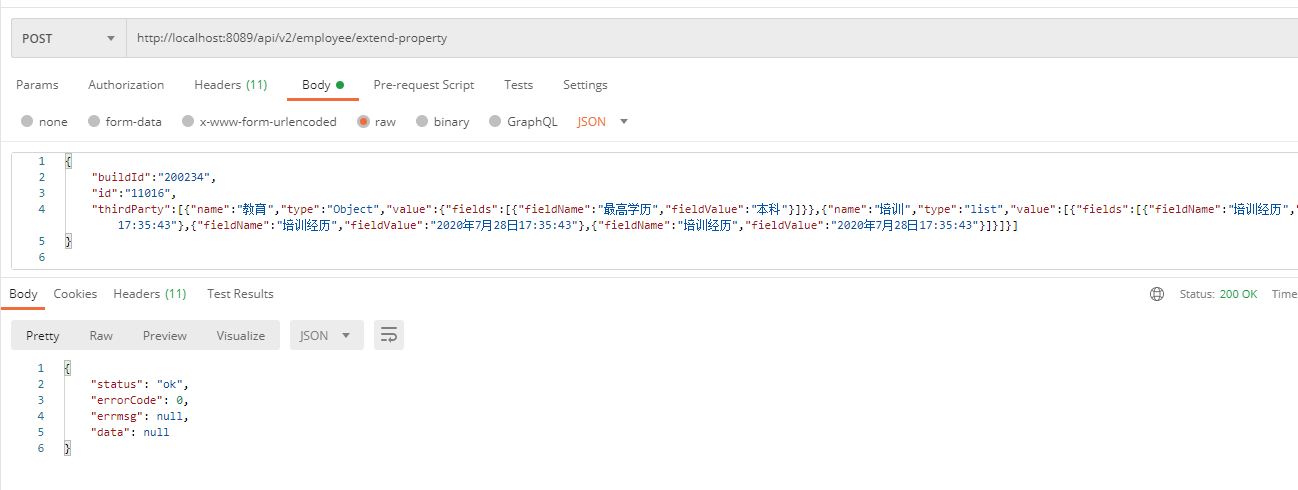
**9.1.6 异常JSON 示例**

{  
    **"data"**:**"JSON格式错误"**,  
    **"code"**:**1201**,  
    **"status"**:**"error"**  
}

**9.1.7 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |

**9.1.8 图片案例**



**9.2 删除用户扩展数据**

**适用版本：化工4.1及以上版本**

**9.2.1 URL**

/api/v2/employee/extend-property

**9.2.2 请求头**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 参数（headers） | 类型 | 是否必填 | 描述 | 示例值 |
| token | String | 是 | 令牌 | D2ED320DAD5C4B76A0C045F11FCE3AAC |

**9.2.3 POST请求参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数 | 类型 | 是否必填 | 描述 |
| buildId | String | 是 | 建筑ID |
| id | Long | 是 | 用户ID |
| thirdParty | List | 是 | 扩展数据List集合 |

**9.2.4 请求JSON 示例**

{  
    **"buildId"**:**"200234"**,  
    **"id"**:**"11016"**,  
    **"thirdParty"**:**null**  
}

**9.2.5 响应JSON 示例**

{  
    **"code"**:**0**,  
    **"status"**:**"success"**,  
    **"errMsg"**:**null**,  
    **"data"**:**null**  
}

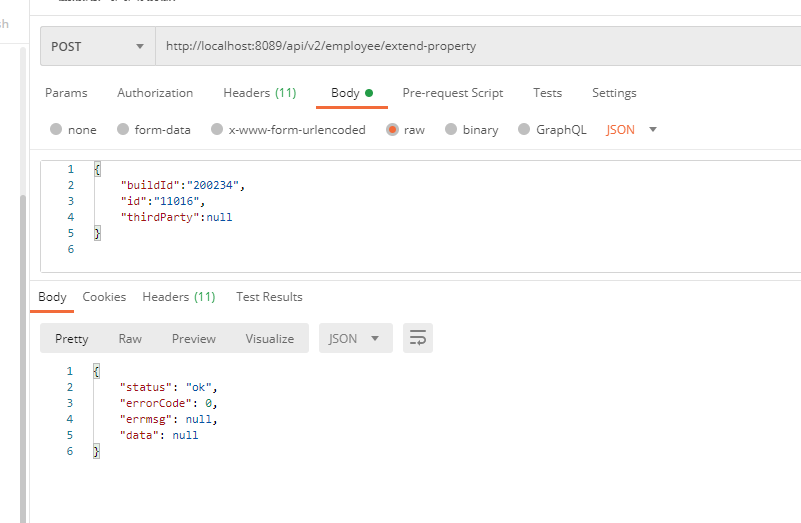
**9.2.6 异常JSON 示例**

{  
    **"data"**:**"JSON格式错误"**,  
    **"code"**:**1201**,  
    **"status"**:**"error"**  
}

**9.2.7 业务错误码**

|  |  |
| --- | --- |
| 错误码 | 错误描述 |
| 1001 | token 数据不能是空 |
| 1002 | token 失效 |
| 1003 | token 失效 |
| 1201 | JSON格式错误 |

**9.2.8 图片案例**



**附录：返回码参考**

|  |  |
| --- | --- |
| 码值 | 描述 |
| 0 | 成功 |
| 1 | 错误 |
| 1001 | 鉴权数据或token是空 |
| 1002 | 鉴权数据或token无权限 |
| 1003 | token失效或错误 |
| 1201 | json 请求异常 |
| 1202 | 日期格式异常 |
| 1203 | 修改对象个数超过一个 |
| 1301 | SN 被绑定 |
| 1302 | 人员不存在 |
| 1701 | 风险等级不存在 |
| 1702 | 围栏点位少于三个 |
| 1703 | 该风险区域名已经存在 |
| 1704 | 风险区域不存在 |
| 1705 | 作业类型不存在 |
| 1706 | 作业等级不存在 |
| 1707 | 该作业编号已存在 |
| 1708 | 该作业编号不存在 |
| 1801 | 部门不存在 |
| 1802 | 部门已存在 |
| 1901 | 岗位不存在 |
| 2001 | 报警模板不存在 |
| 2002 | 订阅类型不存在 |
| 2003 | 报警ID不存在 |
| 2004 | 报警ID已被处理 |
| 10500 | 其他异常 |
|  |  |