# 诚勤指标中枢 OpenAPI 接口文档

本文档整理了诚勤指标中枢平台 OpenAPI 接口（共 12 个），每个接口包含中文和英文名称、用途简述、请求 URL 与方法、请求头和请求体参数表、示例请求、返回字段说明和返回示例等信息。字段说明使用 Markdown 表格展示，中英文并列对照，便于 AI 生成代码与接口对接。以下内容为详细接口文档。

## 获取 APP 令牌 (Get APP Token)

**用途**：该接口用于鉴权认证，调用任何业务接口前需调用此接口获取 access\_token（令牌具有时效性，失效后需重新获取）[[1]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E8%AF%A5%E6%8E%A5%E5%8F%A3%E7%94%A8%E4%BA%8E%E9%89%B4%E6%9D%83%E8%AE%A4%E8%AF%81%EF%BC%8C%E8%B0%83%E7%94%A8%E4%BB%BB%E4%BD%95%E6%8E%A5%E5%8F%A3%E5%89%8D%E9%83%BD%E9%9C%80%E8%A6%81%E5%85%88%E8%B0%83%E7%94%A8%E8%AF%A5%E6%8E%A5%E5%8F%A3%E6%8B%BF%E5%88%B0)。

* **URL & 方法**：POST /open-api/system/oauth2-openapi/token[[2]](file://file_00000000998462089242c4c1d351bd4d#:~:text=2)

#### 请求头参数

| 字段名 (Field Name) | 类型 (Type) | 必填 (Required) | 描述 (Description) | 示例 (Example) |
| --- | --- | --- | --- | --- |
| appkey **(应用编号)** | 字符串 (String) | 是 | 应用编号（在指标中枢平台 “第三方应用开放 → 应用管理” 中获取） (Application ID, found in the third-party application management) | ZNZSCS |
| nonce **(10位随机数)** | 整型 (Integer) | 是 | 随机生成 10 位数字 (Random 10-digit number) | 1768277523 |
| curtime **(当前时间戳)** | 整型 (Integer) | 是 | 当前时间戳，单位秒 (Current timestamp in seconds) | 1761042060 |
| username **(登录人工号)** | 字符串 (String) | 是 | 当前登录人工号 (Current user login ID) | 19950174 |
| checksum **(校验码)** | 字符串 (String) | 是 | 签名（使用 username、secret、nonce、curtime 通过 SHA1 加密生成）(Signature generated by SHA1 on username, secret, nonce, curtime) | 自动生成 |

*请求头参数来自接口说明*[*[3]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=appkey%20%E5%BA%94%E7%94%A8%E7%BC%96%E5%8F%B7%20%E5%AD%97%20%E7%AC%A6%20%E4%B8%B2)[*[4]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=curtime%20%E5%BD%93%E5%89%8D%E6%97%B6%E9%97%B4%20%EF%BC%88%E7%A7%92%EF%BC%89)

#### 请求示例

以下示例使用 curl 获取令牌（请替换 指标中枢域名、appKey、secret 和 username 为实际值）[[5]](file://file_00000000998462089242c4c1d351bd4d#:~:text=2)[[6]](file://file_00000000998462089242c4c1d351bd4d#:~:text=checkSumBuilder%3D)：

appKey="ZNZSCS"  
secret="xxxxxxxxxxxxxxxxxxxxxxx"  
username="19950174"  
nonce=$(shuf -i 1000000000-9999999999 -n 1)  
curTime=$(date +%s)  
checkSumBuilder="${username}${secret}${nonce}${curTime}"  
checkSum=$(echo -n "$checkSumBuilder" | sha1sum | awk '{print $1}')  
  
curl 'https://指标中枢域名/open-api/system/oauth2-openapi/token' \  
 -X 'POST' \  
 -H "appkey: $appKey" \  
 -H "checksum: $checkSum" \  
 -H "curtime: $curTime" \  
 -H "nonce: $nonce" \  
 -H "username: $username"

#### 返回字段说明

| 字段名 | 类型 | 描述 (Description) |
| --- | --- | --- |
| access\_token **(认证 token)** | 字符串 (String) | 调用业务接口时用于身份认证的令牌，通过请求头 Authorization: Bearer <access\_token> 传递 (Auth token for API calls) |
| refresh\_token **(刷新 token)** | 字符串 (String) | 刷新令牌（当前未提供刷新功能，可忽略）(Refresh token, currently unused) |
| token\_type **(token 类型)** | 字符串 (String) | 令牌类型，固定为 bearer (Token type, always "bearer") |
| expires\_in **(有效期)** | 整型 (Integer) | 令牌有效期，单位秒（示例：1800 秒）(Token validity in seconds) |

*返回字段说明来自接口文档*[*[7]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0)

#### 返回示例

{  
 "code": 0,  
 "data": {  
 "scope": null,  
 "access\_token": "c72c783a23f84bd4a52aa955dfaf2985",  
 "refresh\_token": "a3a8c4803d0d4a4d8a3b825968d6582f",  
 "token\_type": "bearer",  
 "expires\_in": 1799  
 },  
 "msg": ""  
}

[[8]](file://file_00000000998462089242c4c1d351bd4d#:~:text=1.%20)

## 查询应用下所有场景版本列表 (Query All Scene Versions under Application)

**用途**：该接口用于查询某应用下可访问的所有场景版本（不受当前登录用户权限限制），一般用于第三方应用管理端配置场景版本[[9]](file://file_00000000998462089242c4c1d351bd4d#:~:text=3%20%E6%9F%A5%E8%AF%A2%E5%BA%94%E7%94%A8%E4%B8%8B%E6%89%80%E6%9C%89%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%E5%88%97%E8%A1%A8%EF%BC%88%E8%B7%9F%E7%99%BB%E5%BD%95%E4%BA%BA%20%E6%9D%83%E9%99%90%E6%97%A0%E5%85%B3%EF%BC%89)。

* **URL & 方法**：POST /open-api/metric/scene/versions[[10]](file://file_00000000998462089242c4c1d351bd4d#:~:text=3)

#### 请求头参数

| 字段名 | 类型 (Type) | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| Authorization **(认证 token)** | 字符串 (String) | 是 | 调用获取 APP 令牌接口获取的 access\_token，通过请求头传参 (Bearer token from header) | Bearer 9c37206336fb4fd38b9e09783e41a2a2 |

*请求头参数说明来自*[*[11]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=Header%20%E5%8F%82%E6%95%B0)[*[12]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E7%AC%A6%20%E4%B8%B2)

#### 请求体参数

| 字段名 | 类型 (Type) | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| name **(场景版本名称)** | 字符串 (String) | 否 | 场景版本名称模糊查询 (用于按名称筛选) (For fuzzy search by scene name) | "学生" |
| sceneVersionStatus **(场景版本状态)** | 整型 (Integer) | 否 | 场景版本状态筛选：0 下线，1 上线，不传查所有 (Filter by status: 0=offline, 1=online) | 1 |
| pageNum **(分页页数)** | 整型 (Integer) | 是 | 当前查询页数 (Current page number) | 1 |
| pageSize **(每页条数)** | 整型 (Integer) | 是 | 每页查询条目数 (Page size) | 2 |

*请求体参数说明来自*[*[13]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%8F%82%E6%95%B0%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%98%AF%20%E5%90%A6,%E5%BF%85%E5%A1%AB)[*[14]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E4%B8%8D%20%E5%BF%85%20%E5%A1%AB)

#### 请求示例

curl 'https://指标中枢域名/open-api/metric/scene/versions' \  
 -X 'POST' \  
 -H 'authorization: Bearer 9c37206336fb4fd38b9e09783e41a2a2' \  
 -H 'content-type: application/json' \  
 --data-raw '{  
 "name": "学生",  
 "sceneVersionStatus": 1,  
 "pageNum": 1,  
 "pageSize": 2  
}'

#### 返回字段说明

| 字段名 | 类型 | 描述 (Description) |
| --- | --- | --- |
| list **(场景版本列表)** | 数组 (Array) | 场景版本对象列表 (List of scene version objects) |
| total **(场景版本总数)** | 整型 (Integer) | 满足条件的场景版本总数 (Total count of scene versions) |

返回的 list 数组中每个对象字段说明：

| 字段名 | 类型 | 描述 (Description) |
| --- | --- | --- |
| id **(场景版本ID)** | 整型 (Integer) | 场景版本 ID (Scene version ID) |
| name **(场景名称)** | 字符串 (String) | 场景名称 (Name of the scene) |
| versionName **(场景版本名称)** | 字符串 (String) | 场景版本名称 (Name of the scene version) |
| uid **(场景版本UID)** | 字符串 (String) | 场景版本 UID，在后续接口调用中作为参数 (Scene version UID, used in later APIs) |
| status **(场景版本状态)** | 整型 (Integer) | 场景版本状态：0 未上线，1 已上线 (Status: 0=offline, 1=online) |
| cronExpression **(定时任务Cron表达式)** | 字符串 (String) | 场景版本的定时任务 Cron 表达式 (Cron expression for scheduled task) |
| instanceCount **(指标实例数量)** | 整型 (Integer) | 该场景版本下的指标实例数量 (Number of metric instances) |

*返回字段说明来自*[*[15]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=list%20%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%E5%88%97%20%E8%A1%A8)[*[16]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0)

#### 返回示例

{  
 "code": 0,  
 "data": {  
 "list": [  
 {  
 "id": 159, // 场景版本ID  
 "name": "s学生信息场景", // 场景名称  
 "versionName": "s精算场景全部", // 场景版本名称  
 "uid": "293d005d2ef24a62afb2a72aefed9ff1", // 场景版本UID  
 "status": 1, // 场景版本状态，0=未上线，1=已上线  
 "cronExpression": "0 0 0 1 \* ?", // 场景版本定时任务 Cron 表达式  
 "instanceCount": 110 // 指标实例数量  
 },  
 {  
 "id": 156,  
 "name": "s学生信息场景",  
 "versionName": "s精算场景",  
 "uid": "5c9f889223624dc79c5d2287ca3e6bb3",  
 "status": 1,  
 "cronExpression": "0 0 0 1 \* ?",  
 "instanceCount": 14  
 }  
 ],  
 "total": 9  
 },  
 "msg": ""  
}

[[17]](file://file_00000000998462089242c4c1d351bd4d#:~:text=6,%2F%2F%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%20id)[[18]](file://file_00000000998462089242c4c1d351bd4d#:~:text=11,1%2C%20%20%2F%2F%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%E7%8A%B6%E6%80%81%EF%BC%8C0%E6%9C%AA%E4%B8%8A%E7%BA%BF%EF%BC%8C1%E5%B7%B2%E4%B8%8A%E7%BA%BF)

## 根据应用权限查询场景版本列表 (Query Scene Versions by App Permission)

**用途**：该接口用于查询某应用下当前登录用户有权限访问的场景版本列表，一般用于第三方用户端根据权限筛选可用场景版本[[19]](file://file_00000000998462089242c4c1d351bd4d#:~:text=4%20%E6%A0%B9%E6%8D%AE%E5%BA%94%E7%94%A8%E6%9D%83%E9%99%90%E6%9F%A5%E8%AF%A2%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%E5%88%97%E8%A1%A8)。

* **URL & 方法**：POST /open-api/metric/scene/versions/with-permission[[20]](file://file_00000000998462089242c4c1d351bd4d#:~:text=4)

#### 请求头参数

| 字段名 | 类型 (Type) | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| Authorization **(认证 token)** | 字符串 (String) | 是 | 调用获取 APP 令牌接口获取的 access\_token，通过请求头传参 (Bearer token) | Bearer 9c37206336fb4fd38b9e09783e41a2a2 |

*请求头参数说明参见*[*[21]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=Header%20%E5%8F%82%E6%95%B0)[*[22]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E4%B8%B2)

#### 请求体参数

| 字段名 | 类型 (Type) | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| name **(场景版本名称)** | 字符串 (String) | 否 | 场景版本名称模糊查询 (用于按名称筛选) (For fuzzy search by scene name) | "学生" |
| sceneVersionStatus **(场景版本状态)** | 整型 (Integer) | 否 | 场景版本状态筛选：0 下线，1 上线，不传查所有 (Filter by status: 0=offline, 1=online) | 1 |
| pageNum **(分页页数)** | 整型 (Integer) | 是 | 当前查询页数 (Current page number) | 1 |
| pageSize **(每页条数)** | 整型 (Integer) | 是 | 每页查询条目数 (Page size) | 2 |

*请求体参数说明来自*[*[23]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=name%20%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%20%E5%90%8D%E7%A7%B0)[*[24]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%20%E7%8A%B6%E6%80%81)

#### 请求示例

curl 'https://指标中枢域名/open-api/metric/scene/versions/with-permission' \  
 -X 'POST' \  
 -H 'authorization: Bearer 9c37206336fb4fd38b9e09783e41a2a2' \  
 -H 'content-type: application/json' \  
 --data-raw '{  
 "name": "学生",  
 "sceneVersionStatus": 1,  
 "pageNum": 1,  
 "pageSize": 2  
}'

#### 返回字段说明

| 字段名 | 类型 | 描述 (Description) |
| --- | --- | --- |
| list **(场景版本列表)** | 数组 (Array) | 场景版本对象列表 (List of scene version objects) |
| total **(场景版本总数)** | 整型 (Integer) | 满足条件的场景版本总数 (Total count of scene versions) |

list 数组中对象的字段与接口3相同（id、name、versionName、uid、status、cronExpression、instanceCount 等），详情见接口3[[25]](file://file_00000000998462089242c4c1d351bd4d#:~:text=id%20%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%20id%20%E6%95%B4%E5%9E%8B)[[26]](file://file_00000000998462089242c4c1d351bd4d#:~:text=uid%20%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%20uid%20%E5%AD%97%E7%AC%A6%E4%B8%B2%20%E5%9C%A8%E5%90%8E%E9%9D%A2%E6%8E%A5%E5%8F%A3%E4%B8%AD%E4%BC%9A%E7%94%A8%E5%88%B0,uid%20%E4%BD%9C%E4%B8%BA%E6%8E%A5%E5%8F%A3%E5%8F%82%E6%95%B0)。

#### 返回示例

{  
 "code": 0,  
 "data": {  
 "list": [  
 {  
 "id": 159,  
 "name": "s学生信息场景",  
 "versionName": "s精算场景全部",  
 "uid": "293d005d2ef24a62afb2a72aefed9ff1",  
 "status": 1,  
 "cronExpression": "0 0 0 1 \* ?",  
 "instanceCount": 110  
 },  
 {  
 "id": 156,  
 "name": "s学生信息场景",  
 "versionName": "s精算场景",  
 "uid": "5c9f889223624dc79c5d2287ca3e6bb3",  
 "status": 1,  
 "cronExpression": "0 0 0 1 \* ?",  
 "instanceCount": 14  
 }  
 ],  
 "total": 9  
 },  
 "msg": ""  
}

[[27]](file://file_00000000998462089242c4c1d351bd4d#:~:text=6,159)[[28]](file://file_00000000998462089242c4c1d351bd4d#:~:text=13,)

## 根据单一场景版本 UID 查询指标实例定义及依赖信息 (Query Metric Instances and Dependencies by Scene Version UID)

**用途**：该接口可基于某一场景版本，查询当前登录用户有权限查看的指标实例信息及定义信息，以及其依赖指标的定义信息[[29]](file://file_00000000998462089242c4c1d351bd4d#:~:text=5%20%E6%A0%B9%E6%8D%AE%E5%8D%95%E4%B8%80%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%20uid%E6%9F%A5%E8%AF%A2%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%E5%AE%9A%E4%B9%89)。

* **URL & 方法**：POST /open-api/metric/scene/version/metric-instances[[30]](file://file_00000000998462089242c4c1d351bd4d#:~:text=5)

#### 请求头参数

| 字段名 | 类型 (Type) | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| Authorization **(认证 token)** | 字符串 (String) | 是 | 调用获取 APP 令牌接口获取的 access\_token，通过请求头传参 (Bearer token) | Bearer bd48ef7ff4684cacb0b8cea2da56a94e |

*请求头参数说明参见*[*[31]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=authoriza%20tion)[*[32]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=access_token%EF%BC%8C%E9%80%9A%E8%BF%87%E8%AF%B7%E6%B1%82%E5%A4%B4%E4%BC%A0%E5%8F%82%20headers%3A%7B%20)

#### 请求体参数

| 字段名 | 类型 | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| sceneVersionUid **(场景版本 UID)** | 字符串 (String) | 是 | 场景版本 UID (确定查询哪个场景版本的指标实例) (Scene version UID for querying) | "784553cdccf74..." |
| instanceCodes **(指标实例标识)** | 字符串数组 (Array of String) | 否 | 指标实例标识列表 (用于过滤指定实例，不传则查询所有可见实例) (Filter by instance codes) | ["byxf"] |
| metricInstanceName **(指标实例名称)** | 字符串 (String) | 否 | 指标实例名称模糊查询 (Fuzzy search by metric instance name) | "消费" |
| tags **(指标标签)** | 字符串数组 (Array of String) | 否 | 指标标签筛选 (Filter by metric tags) | ["校园卡组件"] |
| state **(指标实例状态)** | 整型 (Integer) | 否 | 指标实例状态：0 未上线，1 已上线，不传则查询所有 (State filter) | 1 |
| pageNum **(分页页数)** | 整型 (Integer) | 是 | 当前查询页数 (Current page number) | 1 |
| pageSize **(每页条数)** | 整型 (Integer) | 是 | 每页查询条目数 (Page size) | 2 |

*请求体参数说明来自*[*[33]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=sceneVer%20sionUid)[*[34]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=instance%20Codes)

#### 请求示例

curl 'https://指标中枢域名/open-api/metric/scene/version/metric-instances' \  
 -X 'POST' \  
 -H 'authorization: Bearer bd48ef7ff4684cacb0b8cea2da56a94e' \  
 -H 'content-type: application/json' \  
 --data-raw '{  
 "sceneVersionUid": "7dda43b03da04ef79ca935ac14a1ca60",  
 "instanceCodes": ["byxf"],  
 "metricInstanceName": "消费",  
 "tags": ["校园卡组件"],  
 "state": 1,  
 "pageNum": 1,  
 "pageSize": 2  
}'

#### 返回字段说明

| 字段名 | 类型 | 描述 (Description) |
| --- | --- | --- |
| list **(指标实例列表)** | 数组 (Array) | 指标实例对象列表 (List of metric instance objects) |
| total **(指标实例总数)** | 整型 (Integer) | 满足条件的指标实例总数 (Total count of metric instances) |

list 数组中对象字段说明：

| 字段名 | 类型 | 描述 (Description) |
| --- | --- | --- |
| id **(指标实例ID)** | 整型 (Integer) | 指标实例 ID (Metric instance ID) |
| name **(指标实例名称)** | 字符串 (String) | 指标实例名称 (Metric instance name) |
| code **(指标实例标识)** | 字符串 (String) | 指标实例标识 (Metric instance code) |
| dims **(维度)** | 字符串数组 (Array) | 指标实例的维度列表 (Dimensions for the metric instance) |
| state **(指标实例状态)** | 整型 (Integer) | 指标实例状态：0 未上线，1 已上线 (Instance state) |
| definition **(指标定义信息)** | 对象 (Object) | 指标定义信息 (Definition of the metric) |
| recalculateList **(指标精算列表)** | 数组 (Array) | 指标实例的精算列表 (List of metric instance calculations) |
| children **(依赖指标)** | 数组 (Array) | 当前指标实例依赖的其他指标实例树 (Dependency tree of instances) |

下面 definition、recalculateList 子对象字段说明：

* **definition** 对象：

| 字段名 | 类型 | 描述 (Description) |
| --- | --- | --- |
| id **(指标定义ID)** | 整型 (Integer) | 指标定义 ID (Metric definition ID) |
| name **(指标定义名称)** | 字符串 (String) | 指标定义名称 (Metric definition name) |
| uid **(指标定义UID)** | 字符串 (String) | 指标定义 UID (Metric definition UID) |
| type **(指标类型)** | 整型 (Integer) | 指标类型：1 原子、2 派生、3 复合、4 自定义 (Type of metric) |
| versionName **(指标版本名称)** | 字符串 (String) | 指标版本名称 (Metric version name) |
| versionUuid **(指标版本UID)** | 字符串 (String) | 指标版本 UID (Metric version UID) |
| metadata **(指标元数据)** | 对象 (Object) | 指标元数据 (Preset meta-data, e.g., metric\_source, metric\_paraphrase, metric\_data\_source) |
| metricDomain **(指标域)** | 数组 (Array) | 指标域列表 (Metric domain list) |
| tags **(标签)** | 数组 (Array) | 指标标签列表 (Metric tags) |
| departments **(归口部门)** | 数组 (Array) | 指标归口部门列表 (Responsible departments) |
| logic **(计算规则)** | 字符串 (String) | 指标的计算逻辑描述 (Calculation logic) |
| remark **(指标简述)** | 字符串 (String) | 指标简要说明 (Brief description of the metric) |

* **recalculateList** 数组中每个对象：

| 字段名 | 类型 | 描述 (Description) |
| --- | --- | --- |
| id **(指标精算ID)** | 整型 (Integer) | 指标精算 ID (Metric calculation ID) |
| metricInstanceId **(指标实例ID)** | 整型 (Integer) | 指标实例 ID (Associated metric instance ID) |
| name **(指标精算名称)** | 字符串 (String) | 指标精算名称 (Metric calculation name) |
| code **(指标精算标识)** | 字符串 (String) | 指标精算标识 (Metric calculation code) |
| queryLanguage **(SQL语句)** | 字符串 (String) | 指标精算 SQL 语句 (SQL query for metric calculation) |
| measureCol **(度量字段)** | 字符串 (String) | 计算结果的度量字段 (Measure field in result) |
| dimCols **(维度字段)** | 数组 (Array) | 计算结果的维度字段列表 (Dimension fields, with \_desc for labels) |
| isDefault **(是否默认)** | 布尔 (Boolean) | 是否默认精算 (true=default, false=non-default) |

*返回字段说明根据接口文档*[*[35]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0)[*[36]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=id%20%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%20id%20%E6%95%B4%E5%9E%8B)[*[37]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=id%20%E6%8C%87%E6%A0%87%E5%AE%9A%E4%B9%89%20id%20%E6%95%B4%E5%9E%8B)[*[38]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=id%20%E6%8C%87%E6%A0%87%E7%B2%BE%E7%AE%97%20id%20%E6%95%B4%E5%9E%8B)*整理*

#### 返回示例

{  
 "code": 0,  
 "data": {  
 "list": [  
 {  
 "id": 4021,  
 "parentId": null,  
 "name": "本月消费",  
 "code": "byxf",  
 "dims": ["学号", "商户名称"],  
 "definition": {  
 "id": 462,  
 "name": "本月消费",  
 "uuid": "4fbee76efa28475c9732ec032255b952",  
 "type": 2,  
 "versionName": "main",  
 "versionUuid": "afbf45a3415b482fb8d11f7d3ab31b21",  
 "definitionConfig": {  
 "@class": "cn.iocoder.yudao.module.metric.dal.dataobject.metricmgt.DerivedDefinitionConfigInfo",  
 "hdim": [  
 { "column": "学号", "type": 1 },  
 { "column": "商户名称", "type": 1 }  
 ],  
 "atomMetricUuid": "b9835a2d64374a58a6727524b2d8e914"  
 },  
 "metadata": {  
 "metric\_source": "数据中台 -> metric\_dwd.t\_dwd\_fact\_a44\_28029938",  
 "metric\_paraphrase": "记录用户在本月 1日至当前日期之间的消费总金额和总次数...",  
 "metric\_data\_source": ""  
 },  
 "metricDomain": [{ "name": "消费组件", "id": 45, "parentId": 42 }],  
 "tags": ["校园卡组件"],  
 "departments": ["网信办", "网络空间安全学院"],  
 "relevantDeptIds": [101, 104],  
 "logic": "对消费金额（原子）进行 SUM 求和，通过派生指标进行学号维度设置...",  
 "remark": "统计用户在当前自然月内的消费次数与金额，反映其近期活跃度与消费趋势。"  
 },  
 "cronExpression": null,  
 "children": [  
 {  
 "id": 4022,  
 "parentId": 4021,  
 "name": "消费金额（原子）\_main",  
 "code": "byxf",  
 "dims": [],  
 "definition": {  
 "id": 459,  
 "name": "消费金额（原子）\_SUM",  
 "uuid": "b9835a2d64374a58a6727524b2d8e914",  
 "type": 1,  
 "versionName": "main",  
 "versionUuid": "87e400d85a664b6d8c06dffb41ed5184",  
 "definitionConfig": {  
 "@class": "cn.iocoder.yudao.module.metric.dal.dataobject.metricmgt.AtomicDefinitionConfigInfo",  
 "aggFunc": "SUM",  
 "columns": ["交易金额"],  
 "dataModel": "三十天消费记录"  
 },  
 "metadata": null  
 },  
 "cronExpression": null,  
 "children": [  
 {  
 "id": 402,  
 "name": "三十天消费记录",  
 "code": null,  
 "state": null,  
 "parentId": null,  
 "type": 2,  
 "definition": null,  
 "cronExpression": null,  
 "children": []  
 }  
 ]  
 }  
 ],  
 "state": 1,  
 "recalculateList": [  
 {  
 "id": 62,  
 "metricInstanceId": 4021,  
 "name": "最受欢迎的商户",  
 "code": "zshydsh",  
 "queryLanguage": "SELECT cast(sum(${sys\_metric\_measure}) as decimal(20,2)) AS measure, 商户名称, 商户名称\_desc FROM ${sys\_metric\_resultset} ...",  
 "measureCol": "measure",  
 "dimCols": ["商户名称", "商户名称\_desc"],  
 "isDefault": true  
 }  
 ]  
 }  
 ],  
 "total": 1  
 },  
 "msg": ""  
}

[[39]](file://file_00000000998462089242c4c1d351bd4d#:~:text=1.%20)[[40]](file://file_00000000998462089242c4c1d351bd4d#:~:text=10,01%2000%3A00%3A00%20%E4%B8%94%20%E4%BA%A4%E6%98%93%E7%B1%BB%E5%9E%8B%20%E7%AD%89%E4%BA%8E)

## 根据单一场景版本 UID 查询指标血缘 (包含数据模型) (Query Metric Lineage by Scene Version UID, including Data Models)

**用途**：该接口可基于某一场景版本，查询当前登录用户有权限的指标实例血缘信息，包括依赖指标、数据模型、数据源、数据表等关联信息[[41]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E8%AF%A5%E6%8E%A5%E5%8F%A3%E5%8F%AF%E5%9F%BA%E4%BA%8E%E6%9F%90%E4%B8%80%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%E6%9F%A5%E8%AF%A2%E7%99%BB%E5%BD%95%E4%BA%BA%E6%9C%89%E6%9D%83%E9%99%90%E7%9A%84%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%E8%A1%80%E7%BC%98%EF%BC%8C)。

* **URL & 方法**：POST /open-api/metric/scene/version/metric-instance/lineage[[42]](file://file_00000000998462089242c4c1d351bd4d#:~:text=6)

#### 请求头参数

| 字段名 | 类型 (Type) | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| Authorization **(认证 token)** | 字符串 (String) | 是 | 调用获取 APP 令牌接口获取的 access\_token，通过请求头传参 (Bearer token) | Bearer bd48ef7ff4684cacb0b8cea2da56a94e |

*请求头参数说明参见*[*[43]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=Authoriz%20ation)[*[44]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=cdccf74)

#### 请求体参数

| 字段名 | 类型 | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| sceneVersionUid **(场景版本 UID)** | 字符串 (String) | 是 | 场景版本 UID (确定查询哪个场景版本) (Scene version UID for querying) | "7dda43b03da04ef79ca935ac14a1ca60" |
| instanceCodes **(指标实例标识)** | 字符串数组 (Array of String) | 否 | 指标实例标识列表 (用于过滤指定实例，不传则查询所有可见实例) (Filter by instance codes) | ["byxf"] |

*请求体参数说明来自*[*[45]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=sceneVer%20sionUid)[*[46]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=instance%20Codes)

#### 请求示例

curl 'https://指标中枢域名/open-api/metric/scene/version/metric-instance/lineage' \  
 -X 'POST' \  
 -H 'authorization: Bearer bd48ef7ff4684cacb0b8cea2da56a94e' \  
 -H 'content-type: application/json' \  
 --data-raw '{  
 "sceneVersionUid": "7dda43b03da04ef79ca935ac14a1ca60",  
 "instanceCodes": ["byxf"]  
}'

#### 返回字段说明

本接口返回指标实例血缘信息，主要字段说明如下：

| 字段名 | 类型 | 描述 (Description) |
| --- | --- | --- |
| id **(指标实例ID)** | 整型 (Integer) | 指标实例 ID (Metric instance ID) |
| name **(指标实例名称)** | 字符串 (String) | 指标实例名称 (Metric instance name) |
| code **(指标实例标识)** | 字符串 (String) | 指标实例标识 (Metric instance code) |
| type **(类型)** | 整型 (Integer) | 数据类型：1=指标，2=数据模型，3=数据源，4=数据表 (Type: 1=metric, 2=data model, 3=data source, 4=data table) |
| state **(指标实例状态)** | 整型 (Integer) | 指标实例状态：0 未上线，1 已上线 (Instance state) |
| definition **(指标定义信息)** | 对象 (Object) | 指标定义信息 (Metric definition info) |
| children **(依赖数据)** | 数组 (Array) | 依赖的数据列表（包括其他指标实例、数据模型、数据源、数据表）(Dependent items array) |

其中 definition 对象字段与接口5相同（请参考接口5中的“definition”字段说明）。children 数组中包含依赖的各种数据，其结构递归类似，可依据 type 字段区分。

#### 返回示例

{  
 "code": 0,  
 "data": [  
 {  
 "id": 4021, // 指标实例ID  
 "name": "本月消费", // 指标实例名称  
 "code": "byxf", // 指标实例标识  
 "state": "1",  
 "parentId": null,  
 "type": 1, // 类型：1=指标，2=数据模型，3=数据源，4=数据表  
 "definition": {  
 "id": null,  
 "name": "本月消费", // 指标定义名称  
 "uuid": "4fbee76efa28475c9732ec032255b952", // 指标定义UID  
 "type": 2, // 指标类型：2=派生指标  
 "versionName": "main", // 指标版本名称  
 "versionUuid": "afbf45a3415b482fb8d11f7d3ab31b21", // 指标版本UID  
 "definitionConfig": {  
 "@class": "cn.iocoder.yudao.module.metric.dal.dataobject.metricmgt.DerivedDefinitionConfigInfo",  
 "hdim": [  
 { "column": "学号", "type": 1 },  
 { "column": "商户名称", "type": 1 }  
 ],  
 "atomMetricUuid": "b9835a2d64374a58a6727524b2d8e914"  
 },  
 "metadata": null  
 },  
 "cronExpression": null,  
 "children": [  
 {  
 "id": 4022,  
 "name": "消费金额（原子）\_main",  
 "code": "byxf",  
 "state": "1",  
 "parentId": 4021,  
 "type": 1,  
 "definition": {  
 "id": null,  
 "name": "消费金额（原子）\_SUM",  
 "uuid": "b9835a2d64374a58a6727524b2d8e914",  
 "type": 1,  
 "versionName": "main",  
 "versionUuid": "87e400d85a664b6d8c06dffb41ed5184",  
 "definitionConfig": {  
 "@class": "cn.iocoder.yudao.module.metric.dal.dataobject.metricmgt.AtomicDefinitionConfigInfo",  
 "aggFunc": "SUM",  
 "columns": ["交易金额"],  
 "dataModel": "三十天消费记录"  
 },  
 "metadata": null  
 },  
 "cronExpression": null,  
 "children": [  
 {  
 "id": 402,  
 "name": "三十天消费记录",  
 "code": null,  
 "state": null,  
 "parentId": null,  
 "type": 2,  
 "definition": null,  
 "cronExpression": null,  
 "children": []  
 }  
 ]  
 }  
 ],  
 "recalculateList": null  
 }  
 ],  
 "msg": ""  
}

[[47]](file://file_00000000998462089242c4c1d351bd4d#:~:text=id%20%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%20id%20%E6%95%B4%E5%9E%8B)[[48]](file://file_00000000998462089242c4c1d351bd4d#:~:text=1.%20)

## 根据多个指标实例标识查询指标执行结果及评价 (Query Metric Results and Assessments by Multiple Instance Codes)

**用途**：该接口用于查询一个或多个指标实例的执行结果及评价信息。支持同时查询多个指标实例，并可使用默认精算 SQL 或不同的查询参数获取多组结果[[49]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E8%AF%A5%E6%8E%A5%E5%8F%A3%E5%8F%AF%E6%9F%A5%E8%AF%A2%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%E6%89%A7%E8%A1%8C%E7%BB%93%E6%9E%9C%E5%8F%8A%E8%AF%84%E4%BB%B7%E4%BF%A1%E6%81%AF%EF%BC%8C%E5%8C%85%E6%8B%AC%E9%92%88%E5%AF%B9%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B)。

* **URL & 方法**：POST /open-api/metric/instance/codes/measure[[50]](file://file_00000000998462089242c4c1d351bd4d#:~:text=7)

#### 请求头参数

| 字段名 | 类型 (Type) | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| Authorization **(认证 token)** | 字符串 (String) | 是 | 调用获取 APP 令牌接口获取的 access\_token，通过请求头传参 (Bearer token) | Bearer bd48ef7ff4684cacb0b8cea2da56a94e |

*请求头参数说明参见*[*[51]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=authoriza%20tion)[*[52]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%BF%85%E5%A1%AB%20%E9%80%9A%E8%BF%87%E8%B0%83%E7%94%A8%E8%8E%B7%E5%8F%96%20APP%20%E4%BB%A4%E7%89%8C%E6%8E%A5%E5%8F%A3%E6%8B%BF%E5%88%B0%20access_token%EF%BC%8C%E9%80%9A%E8%BF%87%E8%AF%B7%E6%B1%82%E5%A4%B4%E4%BC%A0%E5%8F%82,%60Bearer%20%24%7Baccess_token)

#### 请求体参数

| 字段名 | 类型 | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| sceneVersionUid **(场景版本 UID)** | 字符串 (String) | 是 | 场景版本 UID (确定在哪个场景版本下查询) (Scene version UID for querying) | "7dda43b03da04ef79ca935ac14a1ca60" |
| recalculate **(指标精算标志)** | 布尔 (Boolean) | 否 | 是否使用默认精算 SQL 实时计算结果 (true=使用默认精算 SQL，否则返回原始结果) (Use default calculation SQL if true) | true |
| instanceCodes **(指标实例标识)** | 字符串数组 (Array) | 否 | 指标实例标识列表 (用于过滤指定实例) (Filter by metric instance codes) | ["byxf"] |
| globalFilter **(全局筛选条件)** | 对象 (Object) | 否 | 全局筛选条件 (适用于所有指标实例) (Global filter conditions for all instances) | *见说明* |
| instances **(指标实例差异参数)** | 数组 (Array) | 否 | 各指标实例的差异化查询参数 (对每个实例单独指定筛选维度、筛选条件等) (Per-instance parameters) | *见说明* |

**说明**：globalFilter、instances 为复杂对象，包含查询逻辑（示例结构如下）。instances 每项结构与 globalFilter 相似，区别在于 instances 针对单个指标实例的差异化筛选，可在请求体中按需提供。示例结构参见原文说明[[53]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E6%8D%AE%EF%BC%8C%E8%8B%A5%E4%BC%A0%20null%EF%BC%8C%E5%88%99%E8%BF%94%E5%9B%9E%E6%89%A7%E8%A1%8C%E5%90%8E%E7%9A%84%E6%89%80%E6%9C%89%E6%95%B0%20%E6%8D%AE)[[54]](file://file_00000000998462089242c4c1d351bd4d#:~:text=recalculat%20e)。

#### 请求示例

curl 'https://指标中枢域名/open-api/metric/instance/codes/measure' \  
 -X 'POST' \  
 -H 'authorization: Bearer bd48ef7ff4684cacb0b8cea2da56a94e' \  
 -H 'content-type: application/json' \  
 --data-raw '{  
 "sceneVersionUid": "7dda43b03da04ef79ca935ac14a1ca60",  
 "instanceCodes": ["byxf"],  
 "instances": [  
 {  
 "instanceCode": "byxf",  
 "dims": ["商户名称"],  
 "id": "byxf\_max",  
 "recalculate": true  
 }  
 ]  
 }'

#### 返回字段说明

返回内容以指标实例标识（或自定义 id）为键，包含对应查询结果列表。说明如下：

| 字段名 | 类型 | 描述 (Description) |
| --- | --- | --- |
| <instance> **(指标实例标识或 ID)** | 数组 (Array) | 指标实例的结果列表（若传入多个 id，则以 id 为字段名，否则以实例标识为字段名）(Results list for the metric instance) |
| dims **(维度：维值)** | 对象 (Object) | 指标结果维度字段及其取值 (Dimension fields and values for the result) |
| dimsDesc **(维度：维值描述)** | 对象 (Object) | 维度值描述 (Dimension values description, may be null) |
| measureType **(统计值类型)** | 整型 (Integer) | 统计值类型 (1=数字, 2=字符串) (Type of measure) |
| measure **(统计值)** | 字符串 (String) | 统计值 (Measure value) |
| assessments **(评价信息)** | 数组 (Array) | 评价结果列表 (若 recalculate=true 时此字段为 null) (Assessment results; null if recalculated) |

assessments 数组中每项字段：

| 字段名 | 类型 | 描述 (Description) |
| --- | --- | --- |
| name **(评价名称)** | 字符串 (String) | 评价名称 (Name of assessment) |
| ruleResults **(评价结果)** | 对象 (Object) | 评价结果对象，包含 name（结果）、calDesc（规则描述）(Assessment result with fields name and calDesc) |

*字段说明参考*

#### 返回示例

{  
 "code": 0,  
 "data": {  
 "byxf\_max": [  
 {  
 "dims": {  
 "商户名称": "校园超市"  
 },  
 "dimsDesc": {  
 "商户名称": null  
 },  
 "measureType": null,  
 "measure": "274.58",  
 "assessments": [  
 {  
 "name": "政策文件",  
 "ruleResults": [  
 { "name": "达标", "calDesc": "大于等于 250" }  
 ]  
 },  
 {  
 "name": "校标",  
 "ruleResults": [  
 { "name": "未达标", "calDesc": "大于等于 300" }  
 ]  
 }  
 ]  
 }  
 ]  
 },  
 "msg": ""  
}

[[55]](file://file_00000000998462089242c4c1d351bd4d#:~:text=byxf_max%20%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%E6%A0%87%20%E8%AF%86%E6%88%96%20id%EF%BC%8C%E6%A0%B9%20%E6%8D%AE%E4%BC%A0%E5%8F%82%E5%8F%98%E5%8C%96)

## 根据多个指标实例 ID 查询指标执行结果及评价 (Query Metric Results and Assessments by Multiple Instance IDs)

**用途**：功能与接口7相同，不同之处在于本接口使用指标实例的 **ID** 作为过滤条件（替换 instanceCodes 为 instanceIds）[[56]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E8%AF%A5%E6%8E%A5%E5%8F%A3%E5%8F%AF%E6%9F%A5%E8%AF%A2%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%E6%89%A7%E8%A1%8C%E7%BB%93%E6%9E%9C%E5%8F%8A%E8%AF%84%E4%BB%B7%E4%BF%A1%E6%81%AF%EF%BC%8C%E5%8C%85%E6%8B%AC%E9%92%88%E5%AF%B9%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B)[[57]](file://file_00000000998462089242c4c1d351bd4d#:~:text=8)。

* **URL & 方法**：POST /open-api/metric/instance/ids/measure[[57]](file://file_00000000998462089242c4c1d351bd4d#:~:text=8)

#### 请求头参数

| 字段名 | 类型 (Type) | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| Authorization **(认证 token)** | 字符串 (String) | 是 | 调用获取 APP 令牌接口获取的 access\_token，通过请求头传参 (Bearer token) | Bearer bd48ef7ff4684cacb0b8cea2da56a94e |

*请求头参数说明与接口7相同（参见接口7）*

#### 请求体参数

| 字段名 | 类型 | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| sceneVersionUid **(场景版本 UID)** | 字符串 (String) | 是 | 场景版本 UID (确定在哪个场景版本下查询) (Scene version UID for querying) | "7dda43b03da04ef79ca935ac14a1ca60" |
| recalculate **(指标精算标志)** | 布尔 (Boolean) | 否 | 是否使用默认精算 SQL 实时计算结果 (true=使用默认精算 SQL，否则返回原始结果) (Use default calculation SQL if true) | true |
| instanceIds **(指标实例ID)** | 整型数组 (Array) | 否 | 指标实例 ID 列表 (用于过滤指定实例，不传则查询所有可见实例) (Filter by metric instance IDs) | [4021] |
| globalFilter **(全局筛选条件)** | 对象 (Object) | 否 | 全局筛选条件 (参见接口7说明) (Same as interface 7) | *参见接口7* |
| instances **(指标实例差异参数)** | 数组 (Array) | 否 | 各指标实例的差异化查询参数 (参见接口7说明) (Same structure as interface 7) | *参见接口7* |

*请求体参数说明与接口7相似，只是将 instanceCodes 换为 instanceIds*[*[58]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=Body%20%E5%8F%82%E6%95%B0%EF%BC%88%E5%8F%82%E6%95%B0%E7%BB%93%E6%9E%84%E4%B8%8E%E7%AC%AC%207%20%E4%B8%AA%E6%8E%A5%E5%8F%A3%E5%8F%82%E6%95%B0%E7%B1%BB%E4%BC%BC%EF%BC%8C%E5%8F%AA%E6%98%AF%E5%B0%86%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%E6%A0%87%E8%AF%86)[*[59]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=d)

#### 请求示例

curl 'https://指标中枢域名/open-api/metric/instance/ids/measure' \  
 -X 'POST' \  
 -H 'authorization: Bearer bd48ef7ff4684cacb0b8cea2da56a94e' \  
 -H 'content-type: application/json' \  
 --data-raw '{  
 "sceneVersionUid": "7dda43b03da04ef79ca935ac14a1ca60",  
 "instanceIds": [4021],  
 "instances": [  
 {  
 "instanceId": 4021,  
 "dims": ["商户名称"],  
 "id": "byxf\_max",  
 "recalculate": true  
 }  
 ]  
}'

#### 返回字段说明

返回格式与接口7完全相同，示例如下（字段意义同接口7）[[60]](file://file_00000000998462089242c4c1d351bd4d#:~:text=byxf_max%20%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%E6%A0%87%20%E8%AF%86%E6%88%96%20id%EF%BC%8C%E6%A0%B9%20%E6%8D%AE%E4%BC%A0%E5%8F%82%E5%8F%98%E5%8C%96)[[61]](file://file_00000000998462089242c4c1d351bd4d#:~:text=dims%20%E7%BB%B4%E5%BA%A6%EF%BC%9A%E7%BB%B4%E5%80%BC%20%E5%AF%B9%E8%B1%A1)：

#### 返回示例

{  
 "code": 0,  
 "data": {  
 "byxf\_max": [  
 {  
 "dims": {  
 "商户名称": "校园超市"  
 },  
 "dimsDesc": {  
 "商户名称": null  
 },  
 "measureType": null,  
 "measure": "274.58",  
 "assessments": [  
 {  
 "name": "政策文件",  
 "ruleResults": [  
 { "name": "达标", "calDesc": "大于等于 250" }  
 ]  
 },  
 {  
 "name": "校标",  
 "ruleResults": [  
 { "name": "未达标", "calDesc": "大于等于 300" }  
 ]  
 }  
 ]  
 }  
 ]  
 },  
 "msg": ""  
}

[[60]](file://file_00000000998462089242c4c1d351bd4d#:~:text=byxf_max%20%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%E6%A0%87%20%E8%AF%86%E6%88%96%20id%EF%BC%8C%E6%A0%B9%20%E6%8D%AE%E4%BC%A0%E5%8F%82%E5%8F%98%E5%8C%96)[[62]](file://file_00000000998462089242c4c1d351bd4d#:~:text=2,0)

## 查询指标实例明细数据 (Query Metric Instance Detail Data)

**用途**：该接口用于查询指定指标实例的明细（底层数据）内容，一般用于统计结果向明细钻取[[63]](file://file_00000000998462089242c4c1d351bd4d#:~:text=10%20%E6%9F%A5%E6%98%8E%E7%BB%86%E6%95%B0%E6%8D%AE%E5%8D%95%E5%AD%97%E6%AE%B5%E5%8E%BB%E9%87%8D)。

* **URL & 方法**：POST /open-api/metric/instance/detail[[64]](file://file_00000000998462089242c4c1d351bd4d#:~:text=9)

#### 请求头参数

| 字段名 | 类型 (Type) | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| Authorization **(认证 token)** | 字符串 (String) | 是 | 调用获取 APP 令牌接口获取的 access\_token，通过请求头传参 (Bearer token) | Bearer bd48ef7ff4684cacb0b8cea2da56a94e |

*请求头参数说明与接口7相同*

#### 请求体参数

| 字段名 | 类型 | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| sceneVersionUid **(场景版本 UID)** | 字符串 (String) | 是 | 场景版本 UID (确定查询哪个场景版本) (Scene version UID for querying) | "7dda43b03da04ef79ca935ac14a1ca60" |
| instanceId **(指标实例ID)** | 整型 (Integer) | 是 | 指标实例 ID (优先级高于 instanceCode；若都提供，以 ID 查询) (Metric instance ID to query) | 4021 |
| instanceCode **(指标实例标识)** | 字符串 (String) | 是 | 指标实例标识 (若同时提供 instanceId，以 instanceId 优先) (Metric instance code to query) | "byxf" |
| filter **(明细数据筛选)** | 对象 (Object) | 否 | 明细数据筛选条件，与 globalFilter 结构相同 (Filter conditions for detail data) | *示例详见接口7* |
| orderField **(排序字段)** | 字符串 (String) | 否 | 用于排序的字段名 (字段排序用于明细展示) (Field name to sort by) | "立项日期" |
| orderType **(排序规则)** | 字符串 (String) | 否 | 排序方向：asc 或 desc (Sort order: asc or desc) | asc |
| pageNum **(分页页数)** | 整型 (Integer) | 是 | 当前查询页数 (Current page number) | 1 |
| pageSize **(每页条数)** | 整型 (Integer) | 是 | 每页查询条目数 (Page size) | 2 |

*请求体参数说明来自*[*[65]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=)[*[66]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0)

#### 请求示例

curl 'https://指标中枢域名/open-api/metric/instance/detail' \  
 -X 'POST' \  
 -H 'authorization: Bearer bd48ef7ff4684cacb0b8cea2da56a94e' \  
 -H 'content-type: application/json' \  
 --data-raw '{  
 "sceneVersionUid": "7dda43b03da04ef79ca935ac14a1ca60",  
 "instanceId": 4021,  
 "pageNum": 1,  
 "pageSize": 2  
}'

#### 返回字段说明

| 字段名 | 类型 | 描述 (Description) |
| --- | --- | --- |
| list **(明细数据)** | 数组 (Array) | 明细记录列表，每项为一个对象 (List of detail records) |
| columns **(明细字段)** | 数组 (Array) | 明细字段列表，用于构建表格表头 (List of fields for table header, each含 alias、type) |
| total **(明细总数)** | 整型 (Integer) | 明细记录总数 (Total number of detail records) |

*返回字段说明来自*[*[66]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0)

#### 返回示例

{  
 "code": 0,  
 "data": {  
 "total": 7392,  
 "list": [  
 {  
 "交易时间段": "早上",  
 "交易日期": "2023-01-02 00:00:00",  
 "学生当前状态": "在读",  
 "ID": "1"  
 }  
 ],  
 "columns": [  
 { "alias": "交易时间段", "type": "VARCHAR" },  
 { "alias": "交易日期", "type": "DATETIME" },  
 { "alias": "学生当前状态", "type": "VARCHAR" }  
 ]  
 },  
 "msg": ""  
}

[[66]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0)[[67]](file://file_00000000998462089242c4c1d351bd4d#:~:text=list%20%E6%98%8E%E7%BB%86%E6%95%B0%E6%8D%AE%20%E6%95%B0%E7%BB%84)

## 查明细数据单字段去重 (Distinct Values of a Field in Detail Data)

**用途**：用于查询指定指标实例明细数据中某字段的所有可能取值（用于构建该字段的下拉筛选列表）。当获取明细数据后，可调用此接口根据某字段获取所有不同选项[[68]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%BD%93%E6%8B%BF%E5%88%B0%E6%98%8E%E7%BB%86%E6%95%B0%E6%8D%AE%E6%9E%84%E5%BB%BA%E8%A1%A8%E6%A0%BC%E5%90%8E%EF%BC%8C%E7%94%A8%E6%88%B7%E9%9C%80%E8%A6%81%E5%9F%BA%E4%BA%8E%E6%98%8E%E7%BB%86%E6%95%B0%E6%8D%AE%E4%BA%8C%E6%AC%A1%E8%BF%87%E6%BB%A4%EF%BC%8C)。

* **URL & 方法**：POST /open-api/metric/instance/detail-distinct-field[[69]](file://file_00000000998462089242c4c1d351bd4d#:~:text=10)

#### 请求头参数

| 字段名 | 类型 (Type) | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| Authorization **(认证 token)** | 字符串 (String) | 是 | 调用获取 APP 令牌接口获取的 access\_token，通过请求头传参 (Bearer token) | Bearer bd48ef7ff4684cacb0b8cea2da56a94e |

*请求头参数说明与接口7相同*

#### 请求体参数

| 字段名 | 类型 | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| sceneVersionUid **(场景版本 UID)** | 字符串 (String) | 是 | 场景版本 UID (确定在哪个场景版本下查询) (Scene version UID for querying) | "7dda43b03da04ef79ca935ac14a1ca60" |
| instanceId **(指标实例ID)** | 整型 (Integer) | 是 | 指标实例 ID (用于确定查询哪个实例的明细) (Metric instance ID to query) | 4021 |
| instanceCode **(指标实例标识)** | 字符串 (String) | 否 | 指标实例标识 (若同时提供，以 instanceId 优先) (Metric instance code to query) | "byxf" |
| filter **(明细数据筛选)** | 对象 (Object) | 否 | 明细数据筛选条件，与 globalFilter 结构相同 (Filter conditions for detail data) | *参考接口7* |
| columnAlias **(字段名)** | 字符串 (String) | 是 | 需要去重的字段别名 (要查询值的字段名称) (Field name to distinct) | "商户名称" |
| searchValue **(选项名)** | 字符串 (String) | 否 | 模糊查询关键字 (用于筛选选项名称，可空) (Keyword for fuzzy search among values) | "在读" |
| pageNum **(分页页数)** | 整型 (Integer) | 是 | 当前查询页数 (Current page number) | 1 |
| pageSize **(每页条数)** | 整型 (Integer) | 是 | 每页查询条目数 (Page size) | 2 |

*请求体参数说明来自*[*[70]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=sceneVer%20sionUid)[*[71]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=columnAl%20ias)

#### 请求示例

curl 'https://指标中枢域名/open-api/metric/instance/detail-distinct-field' \  
 -X 'POST' \  
 -H 'authorization: Bearer bd48ef7ff4684cacb0b8cea2da56a94e' \  
 -H 'content-type: application/json' \  
 --data-raw '{  
 "sceneVersionUid": "7dda43b03da04ef79ca935ac14a1ca60",  
 "instanceId": 4021,  
 "columnAlias": "商户名称",  
 "pageNum": 1,  
 "pageSize": 2  
}'

#### 返回字段说明

| 字段名 | 类型 | 描述 (Description) |
| --- | --- | --- |
| data **(字段内容)** | 数组 (Array) | 去重后的字段值列表 (List of distinct values for the field) |

*返回字段说明来源：接口文档描述（字段内容为去重结果）*[*[72]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0)

#### 返回示例

{  
 "code": 0,  
 "data": [  
 "在读"  
 ],  
 "msg": ""  
}

[[73]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0)

## 根据多个场景版本 UUID 查询用户有权限查看的指标实例列表 (Query Metric Instances by Multiple Scene Version UUIDs)

**用途**：该接口用于根据多个场景版本的 UUID 查询当前用户有权限查看的指标实例列表。适用于需要一次查询多个场景版本下实例的场景[[74]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E8%AF%A5%E6%8E%A5%E5%8F%A3%E9%80%82%E7%94%A8%E4%BA%8E%E9%9C%80%E8%A6%81%E5%9F%BA%E4%BA%8E%E5%A4%9A%E4%B8%AA%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%E6%9F%A5%E8%AF%A2%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%E7%9A%84%E6%83%85%E5%86%B5%E3%80%82)。

* **URL & 方法**：POST /open-api/metric/scene/version/metric-instances-withVersions[[75]](file://file_00000000998462089242c4c1d351bd4d#:~:text=POST%20%2Fopen)

#### 请求头参数

| 字段名 | 类型 (Type) | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| Authorization **(认证 token)** | 字符串 (String) | 是 | 调用获取 APP 令牌接口获取的 access\_token，通过请求头传参 (Bearer token) | Bearer bd48ef7ff4684cacb0b8cea2da56a94e |

*请求头参数说明与接口7相同*

#### 请求体参数

| 字段名 | 类型 | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| sceneVersionUids **(场景版本 UID)** | 字符串数组 (Array of String) | 是 | 场景版本 UID 列表 (指定需要查询的场景版本) (Scene version UIDs to query) | ["7dda43b03da04ef79ca935ac14a1ca60"] |
| tags **(标签)** | 字符串数组 (Array of String) | 否 | 指标标签筛选 (按标签查询实例) (Metric tags to filter) | ["校园卡组件"] |

*请求体参数说明来自*[*[76]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=sceneVer%20sionUids)[*[77]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=tags%20%E6%A0%87%E7%AD%BE%20%E5%AD%97%20%E7%AC%A6%20%E4%B8%B2,%E6%95%B0%20%E7%BB%84)

#### 请求示例

curl 'https://指标中枢域名/open-api/metric/scene/version/metric-instances-withVersions' \  
 -X 'POST' \  
 -H 'authorization: Bearer bd48ef7ff4684cacb0b8cea2da56a94e' \  
 -H 'content-type: application/json' \  
 --data-raw '{  
 "sceneVersionUids": ["7dda43b03da04ef79ca935ac14a1ca60"],  
 "tags": ["校园卡组件"]  
}'

#### 返回字段说明

返回结果为多个场景版本下的指标实例数组，每个对象包含以下字段：

| 字段名 | 类型 | 描述 (Description) |
| --- | --- | --- |
| sceneVersionUid **(场景版本 UID)** | 字符串 (String) | 场景版本 UID (对应请求中的某个场景版本) |
| id **(指标实例ID)** | 整型 (Integer) | 指标实例 ID (Metric instance ID) |
| name **(指标实例名称)** | 字符串 (String) | 指标实例名称 (Metric instance name) |
| code **(指标实例标识)** | 字符串 (String) | 指标实例标识 (Metric instance code) |
| state **(指标实例状态)** | 整型 (Integer) | 指标实例状态：0 未上线，1 已上线 (Instance state) |
| definition **(指标定义信息)** | 对象 (Object) | 指标定义信息 (Same structure as接口5的definition) |
| recalculateList **(指标精算列表)** | 数组 (Array) | 指标实例的精算列表 (Same structure as接口5的recalculateList) |

上述 definition 对象和 recalculateList 数组字段说明与接口5中相应字段相同[[78]](file://file_00000000998462089242c4c1d351bd4d#:~:text=id%20%E6%8C%87%E6%A0%87%E5%AE%9A%E4%B9%89%20id%20%E6%95%B4%E5%9E%8B)[[79]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0)。

#### 返回示例

{  
 "code": 0,  
 "data": [  
 {  
 "sceneVersionUid": "7dda43b03da04ef79ca935ac14a1ca60",  
 "id": 4057,  
 "parentId": null,  
 "name": "本月消费",  
 "code": "byxf",  
 "dims": ["学号", "商户名称"],  
 "definition": {  
 "id": 462,  
 "name": "本月消费",  
 "uid": "4fbee76efa28475c9732ec032255b952",  
 "type": 2,  
 "versionName": "main",  
 "versionUuid": "afbf45a3415b482fb8d11f7d3ab31b21",  
 "metadata": {  
 "metric\_source": "数据中台 -> metric\_dwd.t\_dwd\_fact\_a44\_28029938",  
 "metric\_paraphrase": "记录用户在本月 1日至当前日期之间的消费总金额...",  
 "metric\_data\_source": ""  
 },  
 "metricDomain": [{"name": "消费组件", "id": 45, "parentId": 42}],  
 "tags": ["校园卡组件"],  
 "departments": ["网信办", "网络空间安全学院"],  
 "logic": "对消费金额（原子）进行 SUM 求和...",  
 "remark": "统计用户在当前自然月内的消费次数与金额..."  
 },  
 "recalculateList": [  
 {  
 "id": 62,  
 "metricInstanceId": 4021,  
 "name": "最受欢迎的商户",  
 "code": "zshydsh",  
 "queryLanguage": "SELECT cast(sum(${sys\_metric\_measure}) as decimal(20,2)) AS measure, 商户名称, 商户名称\_desc FROM ${sys\_metric\_resultset} ...",  
 "measureCol": "measure",  
 "dimCols": ["商户名称", "商户名称\_desc"],  
 "isDefault": true  
 }  
 ]  
 }  
 ],  
 "msg": ""  
}

[[80]](file://file_00000000998462089242c4c1d351bd4d#:~:text=4,)

## 获取指标管理定义的标签列表 (Get List of Tags Defined in Metric Management)

**用途**：该接口用于获取指标管理模块中定义的所有标签列表，标签用于指标实例查询筛选（接口5、11 中的 tags 参数）[[81]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0)。

* **URL & 方法**：POST /open-api/metric/metricmgt/tags/list（不需要请求体，仅请求头携带 Authorization）。

#### 请求头参数

| 字段名 | 类型 (Type) | 必填 | 描述 (Description) | 示例 |
| --- | --- | --- | --- | --- |
| Authorization **(认证 token)** | 字符串 (String) | 是 | 调用获取 APP 令牌接口获取的 access\_token，通过请求头传参 (Bearer token) | Bearer bd48ef7ff4684cacb0b8cea2da56a94e |

*请求头参数说明与接口7相同*

#### 返回字段说明

| 字段名 | 类型 | 描述 (Description) |
| --- | --- | --- |
| id **(标签ID)** | 整型 (Integer) | 标签 ID (Tag ID) |
| labelValue **(标签名称)** | 字符串 (String) | 标签名称 (Tag name), 传给接口5和11的 tags 参数 (Tag value for filtering metric instances) |

*返回字段说明来自*[*[81]*](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0)

#### 返回示例

{  
 "code": 0,  
 "data": [  
 { "id": 1, "labelValue": "核心指标", "createTime": 1753326015000 },  
 { "id": 2, "labelValue": "教学", "createTime": 1753326257000 }  
 ],  
 "msg": ""  
}

[[82]](file://file_00000000998462089242c4c1d351bd4d#:~:text=1.%20)

[[1]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E8%AF%A5%E6%8E%A5%E5%8F%A3%E7%94%A8%E4%BA%8E%E9%89%B4%E6%9D%83%E8%AE%A4%E8%AF%81%EF%BC%8C%E8%B0%83%E7%94%A8%E4%BB%BB%E4%BD%95%E6%8E%A5%E5%8F%A3%E5%89%8D%E9%83%BD%E9%9C%80%E8%A6%81%E5%85%88%E8%B0%83%E7%94%A8%E8%AF%A5%E6%8E%A5%E5%8F%A3%E6%8B%BF%E5%88%B0) [[2]](file://file_00000000998462089242c4c1d351bd4d#:~:text=2) [[3]](file://file_00000000998462089242c4c1d351bd4d#:~:text=appkey%20%E5%BA%94%E7%94%A8%E7%BC%96%E5%8F%B7%20%E5%AD%97%20%E7%AC%A6%20%E4%B8%B2) [[4]](file://file_00000000998462089242c4c1d351bd4d#:~:text=curtime%20%E5%BD%93%E5%89%8D%E6%97%B6%E9%97%B4%20%EF%BC%88%E7%A7%92%EF%BC%89) [[5]](file://file_00000000998462089242c4c1d351bd4d#:~:text=2) [[6]](file://file_00000000998462089242c4c1d351bd4d#:~:text=checkSumBuilder%3D) [[7]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0) [[8]](file://file_00000000998462089242c4c1d351bd4d#:~:text=1.%20) [[9]](file://file_00000000998462089242c4c1d351bd4d#:~:text=3%20%E6%9F%A5%E8%AF%A2%E5%BA%94%E7%94%A8%E4%B8%8B%E6%89%80%E6%9C%89%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%E5%88%97%E8%A1%A8%EF%BC%88%E8%B7%9F%E7%99%BB%E5%BD%95%E4%BA%BA%20%E6%9D%83%E9%99%90%E6%97%A0%E5%85%B3%EF%BC%89) [[10]](file://file_00000000998462089242c4c1d351bd4d#:~:text=3) [[11]](file://file_00000000998462089242c4c1d351bd4d#:~:text=Header%20%E5%8F%82%E6%95%B0) [[12]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E7%AC%A6%20%E4%B8%B2) [[13]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%8F%82%E6%95%B0%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%98%AF%20%E5%90%A6,%E5%BF%85%E5%A1%AB) [[14]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E4%B8%8D%20%E5%BF%85%20%E5%A1%AB) [[15]](file://file_00000000998462089242c4c1d351bd4d#:~:text=list%20%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%E5%88%97%20%E8%A1%A8) [[16]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0) [[17]](file://file_00000000998462089242c4c1d351bd4d#:~:text=6,%2F%2F%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%20id) [[18]](file://file_00000000998462089242c4c1d351bd4d#:~:text=11,1%2C%20%20%2F%2F%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%E7%8A%B6%E6%80%81%EF%BC%8C0%E6%9C%AA%E4%B8%8A%E7%BA%BF%EF%BC%8C1%E5%B7%B2%E4%B8%8A%E7%BA%BF) [[19]](file://file_00000000998462089242c4c1d351bd4d#:~:text=4%20%E6%A0%B9%E6%8D%AE%E5%BA%94%E7%94%A8%E6%9D%83%E9%99%90%E6%9F%A5%E8%AF%A2%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%E5%88%97%E8%A1%A8) [[20]](file://file_00000000998462089242c4c1d351bd4d#:~:text=4) [[21]](file://file_00000000998462089242c4c1d351bd4d#:~:text=Header%20%E5%8F%82%E6%95%B0) [[22]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E4%B8%B2) [[23]](file://file_00000000998462089242c4c1d351bd4d#:~:text=name%20%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%20%E5%90%8D%E7%A7%B0) [[24]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%20%E7%8A%B6%E6%80%81) [[25]](file://file_00000000998462089242c4c1d351bd4d#:~:text=id%20%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%20id%20%E6%95%B4%E5%9E%8B) [[26]](file://file_00000000998462089242c4c1d351bd4d#:~:text=uid%20%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%20uid%20%E5%AD%97%E7%AC%A6%E4%B8%B2%20%E5%9C%A8%E5%90%8E%E9%9D%A2%E6%8E%A5%E5%8F%A3%E4%B8%AD%E4%BC%9A%E7%94%A8%E5%88%B0,uid%20%E4%BD%9C%E4%B8%BA%E6%8E%A5%E5%8F%A3%E5%8F%82%E6%95%B0) [[27]](file://file_00000000998462089242c4c1d351bd4d#:~:text=6,159) [[28]](file://file_00000000998462089242c4c1d351bd4d#:~:text=13,) [[29]](file://file_00000000998462089242c4c1d351bd4d#:~:text=5%20%E6%A0%B9%E6%8D%AE%E5%8D%95%E4%B8%80%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%20uid%E6%9F%A5%E8%AF%A2%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%E5%AE%9A%E4%B9%89) [[30]](file://file_00000000998462089242c4c1d351bd4d#:~:text=5) [[31]](file://file_00000000998462089242c4c1d351bd4d#:~:text=authoriza%20tion) [[32]](file://file_00000000998462089242c4c1d351bd4d#:~:text=access_token%EF%BC%8C%E9%80%9A%E8%BF%87%E8%AF%B7%E6%B1%82%E5%A4%B4%E4%BC%A0%E5%8F%82%20headers%3A%7B%20) [[33]](file://file_00000000998462089242c4c1d351bd4d#:~:text=sceneVer%20sionUid) [[34]](file://file_00000000998462089242c4c1d351bd4d#:~:text=instance%20Codes) [[35]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0) [[36]](file://file_00000000998462089242c4c1d351bd4d#:~:text=id%20%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%20id%20%E6%95%B4%E5%9E%8B) [[37]](file://file_00000000998462089242c4c1d351bd4d#:~:text=id%20%E6%8C%87%E6%A0%87%E5%AE%9A%E4%B9%89%20id%20%E6%95%B4%E5%9E%8B) [[38]](file://file_00000000998462089242c4c1d351bd4d#:~:text=id%20%E6%8C%87%E6%A0%87%E7%B2%BE%E7%AE%97%20id%20%E6%95%B4%E5%9E%8B) [[39]](file://file_00000000998462089242c4c1d351bd4d#:~:text=1.%20) [[40]](file://file_00000000998462089242c4c1d351bd4d#:~:text=10,01%2000%3A00%3A00%20%E4%B8%94%20%E4%BA%A4%E6%98%93%E7%B1%BB%E5%9E%8B%20%E7%AD%89%E4%BA%8E) [[41]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E8%AF%A5%E6%8E%A5%E5%8F%A3%E5%8F%AF%E5%9F%BA%E4%BA%8E%E6%9F%90%E4%B8%80%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%E6%9F%A5%E8%AF%A2%E7%99%BB%E5%BD%95%E4%BA%BA%E6%9C%89%E6%9D%83%E9%99%90%E7%9A%84%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%E8%A1%80%E7%BC%98%EF%BC%8C) [[42]](file://file_00000000998462089242c4c1d351bd4d#:~:text=6) [[43]](file://file_00000000998462089242c4c1d351bd4d#:~:text=Authoriz%20ation) [[44]](file://file_00000000998462089242c4c1d351bd4d#:~:text=cdccf74) [[45]](file://file_00000000998462089242c4c1d351bd4d#:~:text=sceneVer%20sionUid) [[46]](file://file_00000000998462089242c4c1d351bd4d#:~:text=instance%20Codes) [[47]](file://file_00000000998462089242c4c1d351bd4d#:~:text=id%20%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%20id%20%E6%95%B4%E5%9E%8B) [[48]](file://file_00000000998462089242c4c1d351bd4d#:~:text=1.%20) [[49]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E8%AF%A5%E6%8E%A5%E5%8F%A3%E5%8F%AF%E6%9F%A5%E8%AF%A2%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%E6%89%A7%E8%A1%8C%E7%BB%93%E6%9E%9C%E5%8F%8A%E8%AF%84%E4%BB%B7%E4%BF%A1%E6%81%AF%EF%BC%8C%E5%8C%85%E6%8B%AC%E9%92%88%E5%AF%B9%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B) [[50]](file://file_00000000998462089242c4c1d351bd4d#:~:text=7) [[51]](file://file_00000000998462089242c4c1d351bd4d#:~:text=authoriza%20tion) [[52]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%BF%85%E5%A1%AB%20%E9%80%9A%E8%BF%87%E8%B0%83%E7%94%A8%E8%8E%B7%E5%8F%96%20APP%20%E4%BB%A4%E7%89%8C%E6%8E%A5%E5%8F%A3%E6%8B%BF%E5%88%B0%20access_token%EF%BC%8C%E9%80%9A%E8%BF%87%E8%AF%B7%E6%B1%82%E5%A4%B4%E4%BC%A0%E5%8F%82,%60Bearer%20%24%7Baccess_token) [[53]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E6%8D%AE%EF%BC%8C%E8%8B%A5%E4%BC%A0%20null%EF%BC%8C%E5%88%99%E8%BF%94%E5%9B%9E%E6%89%A7%E8%A1%8C%E5%90%8E%E7%9A%84%E6%89%80%E6%9C%89%E6%95%B0%20%E6%8D%AE) [[54]](file://file_00000000998462089242c4c1d351bd4d#:~:text=recalculat%20e) [[55]](file://file_00000000998462089242c4c1d351bd4d#:~:text=byxf_max%20%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%E6%A0%87%20%E8%AF%86%E6%88%96%20id%EF%BC%8C%E6%A0%B9%20%E6%8D%AE%E4%BC%A0%E5%8F%82%E5%8F%98%E5%8C%96) [[56]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E8%AF%A5%E6%8E%A5%E5%8F%A3%E5%8F%AF%E6%9F%A5%E8%AF%A2%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%E6%89%A7%E8%A1%8C%E7%BB%93%E6%9E%9C%E5%8F%8A%E8%AF%84%E4%BB%B7%E4%BF%A1%E6%81%AF%EF%BC%8C%E5%8C%85%E6%8B%AC%E9%92%88%E5%AF%B9%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B) [[57]](file://file_00000000998462089242c4c1d351bd4d#:~:text=8) [[58]](file://file_00000000998462089242c4c1d351bd4d#:~:text=Body%20%E5%8F%82%E6%95%B0%EF%BC%88%E5%8F%82%E6%95%B0%E7%BB%93%E6%9E%84%E4%B8%8E%E7%AC%AC%207%20%E4%B8%AA%E6%8E%A5%E5%8F%A3%E5%8F%82%E6%95%B0%E7%B1%BB%E4%BC%BC%EF%BC%8C%E5%8F%AA%E6%98%AF%E5%B0%86%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%E6%A0%87%E8%AF%86) [[59]](file://file_00000000998462089242c4c1d351bd4d#:~:text=d) [[60]](file://file_00000000998462089242c4c1d351bd4d#:~:text=byxf_max%20%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%E6%A0%87%20%E8%AF%86%E6%88%96%20id%EF%BC%8C%E6%A0%B9%20%E6%8D%AE%E4%BC%A0%E5%8F%82%E5%8F%98%E5%8C%96) [[61]](file://file_00000000998462089242c4c1d351bd4d#:~:text=dims%20%E7%BB%B4%E5%BA%A6%EF%BC%9A%E7%BB%B4%E5%80%BC%20%E5%AF%B9%E8%B1%A1) [[62]](file://file_00000000998462089242c4c1d351bd4d#:~:text=2,0) [[63]](file://file_00000000998462089242c4c1d351bd4d#:~:text=10%20%E6%9F%A5%E6%98%8E%E7%BB%86%E6%95%B0%E6%8D%AE%E5%8D%95%E5%AD%97%E6%AE%B5%E5%8E%BB%E9%87%8D) [[64]](file://file_00000000998462089242c4c1d351bd4d#:~:text=9) [[65]](file://file_00000000998462089242c4c1d351bd4d#:~:text=) [[66]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0) [[67]](file://file_00000000998462089242c4c1d351bd4d#:~:text=list%20%E6%98%8E%E7%BB%86%E6%95%B0%E6%8D%AE%20%E6%95%B0%E7%BB%84) [[68]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%BD%93%E6%8B%BF%E5%88%B0%E6%98%8E%E7%BB%86%E6%95%B0%E6%8D%AE%E6%9E%84%E5%BB%BA%E8%A1%A8%E6%A0%BC%E5%90%8E%EF%BC%8C%E7%94%A8%E6%88%B7%E9%9C%80%E8%A6%81%E5%9F%BA%E4%BA%8E%E6%98%8E%E7%BB%86%E6%95%B0%E6%8D%AE%E4%BA%8C%E6%AC%A1%E8%BF%87%E6%BB%A4%EF%BC%8C) [[69]](file://file_00000000998462089242c4c1d351bd4d#:~:text=10) [[70]](file://file_00000000998462089242c4c1d351bd4d#:~:text=sceneVer%20sionUid) [[71]](file://file_00000000998462089242c4c1d351bd4d#:~:text=columnAl%20ias) [[72]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0) [[73]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0) [[74]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E8%AF%A5%E6%8E%A5%E5%8F%A3%E9%80%82%E7%94%A8%E4%BA%8E%E9%9C%80%E8%A6%81%E5%9F%BA%E4%BA%8E%E5%A4%9A%E4%B8%AA%E5%9C%BA%E6%99%AF%E7%89%88%E6%9C%AC%E6%9F%A5%E8%AF%A2%E6%8C%87%E6%A0%87%E5%AE%9E%E4%BE%8B%E7%9A%84%E6%83%85%E5%86%B5%E3%80%82) [[75]](file://file_00000000998462089242c4c1d351bd4d#:~:text=POST%20%2Fopen) [[76]](file://file_00000000998462089242c4c1d351bd4d#:~:text=sceneVer%20sionUids) [[77]](file://file_00000000998462089242c4c1d351bd4d#:~:text=tags%20%E6%A0%87%E7%AD%BE%20%E5%AD%97%20%E7%AC%A6%20%E4%B8%B2,%E6%95%B0%20%E7%BB%84) [[78]](file://file_00000000998462089242c4c1d351bd4d#:~:text=id%20%E6%8C%87%E6%A0%87%E5%AE%9A%E4%B9%89%20id%20%E6%95%B4%E5%9E%8B) [[79]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0) [[80]](file://file_00000000998462089242c4c1d351bd4d#:~:text=4,) [[81]](file://file_00000000998462089242c4c1d351bd4d#:~:text=%E5%AD%97%E6%AE%B5%E5%90%8D%20%E8%AF%B4%E6%98%8E%20%E7%B1%BB%E5%9E%8B%20%E6%8F%8F%E8%BF%B0) [[82]](file://file_00000000998462089242c4c1d351bd4d#:~:text=1.%20) 诚勤指标中枢OpenAPI开发指南.pdf

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