# 1 把笔设置为合格产品

**参数**

|  |  |
| --- | --- |
| **key值** | **描述** |
| entity.identifiaction | 笔的唯一标识 |
| entity.code | 校验值，用于安全校验 |

**HTTP接口**

访问方式：/v1/pens/{penId}? qualified

method: POST

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| timeStamp | 1449022467385 时间毫秒值 |

# 2 获取所有现存支持的点读书列表

**参数**

|  |  |
| --- | --- |
| **key值** | **描述** |
| entity.type | 为all时返回所有资源，否则返回部分资源 |

**HTTP接口**

访问方式：/v1/books

method: GET

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| timeStamp | 1449022467385 时间毫秒值 |
| page | "items": [  {  "id": "ff80808152f8de080152f8e542cf0002",  "lineRead": "1",  "name": "新概念英语二",  "code": "62007",  “isRepeat”:0  },  {  "id": "ff808081533ba5a801533bbd358f0003",  "lineRead": "1",  "name": "新概念英语一",  "code": "62006",  “isRepeat”:0  }],  "totalCount": 9,  "curPage": 1,  "pageSize": 10  } |

# 3 语音播放——通过MPEN码获取Mp3

**参数**

|  |  |
| --- | --- |
| **key值** | **描述** |
| entity.pageCode | 书的平台页码值 |
| entity.xOffset | X方向偏移 |
| entity.yOffset | Y方向偏移 |

**HTTP接口**

访问方式：/v1/audios?pageCode={pageCode }& xOffset={ xOffset }&yOffset={ yOffset }

method: get

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| timeStamp | 1449022467385 时间毫秒值 |
| page |  |

# 4 在线播放语音

**参数**

|  |  |
| --- | --- |
| **key值** | **描述** |
| entity.bookId | 书籍id |
| entity.code | 点读码 |
| entity.type | 语言类型 0为英文 1为中文 不传默认为0 |

**HTTP接口**

访问方式：/v1/audios/{audioId}?play

method: get

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| timeStamp | 1449022467385 时间毫秒值 |
| page |  |

# 5 获取预缓存信息

**参数**

|  |  |
| --- | --- |
| **key值** | **描述** |
| entity.bookId | 书籍id |
| entity.code | 点读码 |
| entity.type | 语言类型 0为英文 1为中文 不传默认为0 |

**HTTP接口**

访问方式：/v1/audios/{audioId}/?cache

method: get

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| timeStamp | 1449022467385 时间毫秒值 |
| page |  |

# 6 MP3信息获取

**参数 无**

**HTTP接口**

访问方式：/v1/audios/{audioId}

method: get

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| timeStamp | 1449022467385 时间毫秒值 |
| page | "items": [  {  "name": "燕归巢 - 许嵩",  "path": "http://cc.stream.qqmusic.qq.com/C100000Nz08A0aZNuz.m4a?fromtag=52"  },  {  "name": "单词1",  "path": "http://192.168.45.198:80/incoming/course/voice/s\_001.mp3"  }, |

# 7 获取一页的热区信息

**参数（所有参数里至少传一个，选择性更新）**

|  |  |
| --- | --- |
| **key值** | **描述** |
| entity.pageCode | 书的页码的代码 |

**HTTP接口**

访问方式：/v1/pages/{pageId}/codes

method: get

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| timeStamp | 1449022467385 时间毫秒值 |
| page | "items": [  {  "startIndex": "",  "voiceLength": "",  "yCodeNum": 83,  "bookId": "1",  "englishCompose": "",  "endTime": "",  "pageNum": 1,  "id": "4028ad46518abe9701518bb75ea6025d",  "content": "",  "startTime": "",  "path": "",  "bottom": 224,  "xCodeNum": 63,  "left": 73,  "right": 598,  "top": 191  },  {  "startIndex": "",  "voiceLength": "",  "yCodeNum": 83,  "bookId": "1",  "englishCompose": "",  "endTime": "",  "pageNum": 1,  "id": "4028ad46518abe9701518bb818dd0261",  "content": "",  "startTime": "",  "path": "IMG\_4987.JPG",  "bottom": 130,  "xCodeNum": 63,  "left": 395,  "right": 700,  "top": 74  }, |

# 8获取多页热区信息

**参数（所有参数里至少传一个，选择性更新）**

|  |  |
| --- | --- |
| **key值** | **描述** |
| entity.pageStart | 起始页码，最小值为0 |
| entity.pageEnd | 结束页码 |
| entity.bookId | 书的id |

**HTTP接口**

访问方式：/v1/pages/codes?pageStart={ pageStart }&pageEnd={ pageEnd }&bookId={ bookId }

method: get

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 可能为["执行异常-起始页码不能大于结束页码！！"] |
| timeStamp | 1449022467385 时间毫秒值 |
| page | "items": [  {  "pageNo": 10,  "pageInfo": [  {  "startIndex": "",  "voiceLength": "",  "yCodeNum": 83,  "bookId": "1",  "englishCompose": "",  "endTime": "",  "pageNum": 10,  "id": "4028ad46522e742301522e9b11220058",  "content": "dfsdfsd",  "startTime": "",  "path": "",  "bottom": 117,  "xCodeNum": 63,  "left": 0,  "right": 154,  "top": 0  }  ],  "photo": "http://192.168.45.198:80/incoming/local/course/jpg/1//������ڶ��� ����\_010.jpg",  "pageCode": 4783  },  {  "pageNo": 11,  "pageInfo": [],  "photo": "http://192.168.45.198:80/incoming/local/course/jpg/1//������ڶ��� ����\_011.jpg",  "pageCode": 4784  }, |

# 9 获取预下载内容

**参数 无**

**HTTP接口**

访问方式：/v1/audios? prepownload

method: get

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| timeStamp | 1449022467385 时间毫秒值 |
| page | "items": [  {  "id": "ff808081533ba5a801533bbd358f0003",  "resSize": "845540984",  "name": "新概念英语一",  "downloadUrl": "/incoming/course/外研社/MP/英语培训教程/新概念英语(新版)/新概念英语1.MP",  "code": "62006",  "photo": "http://ddb.webtrn.cn:80/incoming/ddb/course/image/ff808081533ba5a801533bbd358f0003/1457437246996\_photo.jpg"  },  "totalCount": 3,  "curPage": 1,  "pageSize": 10  }, |

# 10 下载相关获取课程所有页信息

**参数**

|  |  |
| --- | --- |
| **key值** | **描述** |
| entity.bookId | 资源id |

**HTTP接口**

访问方式：/v1/courses/{courseId}/pages

method: get

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| page | "items": [  {  "id": "2c94508151609beb0151609c54a70003", 唯一标识  "identifiaction": 123, 前8位码  "name": "大学英语第一页", 名字  "pageNum": 1 页码  },  {  "id": "2c9450815160b3f8015160baa3830029",  "identifiaction": 222,  "name": "",  "pageNum": 2  },  {  "id": "2c9450815160b3f8015160bb2417002b",  "identifiaction": 333,  "name": "",  "pageNum": 3  },  {  "id": "2c9450815160bb4e015160bd68fc0004",  "identifiaction": "",  "name": "大学英语第4页",  "pageNum": 4  }  ] |
| timeStamp | 1449022467385 时间毫秒值 |

# 11 下载相关获取某页的所有下载信息

**参数**

|  |  |
| --- | --- |
| **key值** | **描述** |
| entity.bookId | 资源id |
| entity.pageNum | 资源页码 |

**HTTP接口**

访问方式：/v1/pages/{pageId}

method: get

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| page | "items": [  {  "link": "http://192.168.45.131:80/incoming/course/voice/JrBook5m1wc.mp3", 下载地址  "bottom": 500, 底部千分比  "left": 170, 左边千分比  "right": 200, 右边千分比  "top": 400 上边千分比  },  {  "link": "http://192.168.45.131:80/incoming/course/voice/JrBook5m2wc.mp3",  "bottom": 400,  "left": 70,  "right": 83,  "top": 300  }  ], |
| timeStamp | 1449022467385 时间毫秒值 |

# 12 推送

**参数**

|  |  |
| --- | --- |
| **key值** | **描述** |
| entity.type | 推送类型 |
| entity.penId | 笔id |
| entity.battery | 电量 |

**HTTP接口**

访问方式：/v1/msg?push

method: post

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| timeStamp | 1449022467385 时间毫秒值 |

# 13 保存点击记录

**参数**

|  |  |
| --- | --- |
| **key值** | **描述** |
| entity.recordStr | 记录字符串 格式：书Id-code-type-时间戳;书Id-code-type-时间戳 |

**HTTP接口**

访问方式：/v1/clickrecords

method: Post

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| data | {  count:2  } |
| timeStamp | 1449022467385 时间毫秒值 |

# 14 保存anr文件

**参数**

|  |  |
| --- | --- |
| **key值** | **描述** |
| entity.file.file | txt文件 |
| entity.time | 时间戳 |
| entity.version | 版本号 |

**HTTP接口**

访问方式：/v1/anrs

method: Post

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| timeStamp | 1449022467385 时间毫秒值 |

# 15 笔room升级

**参数**

|  |  |
| --- | --- |
| **key值** | **描述** |
| entity.penId | 笔id |
| entity.version | 当前版本 |

**HTTP接口**

访问方式：/v1/pens/{penId}?upgradeRoom

method: get

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| timeStamp | 1449022467385 时间毫秒值 |

# 16 笔出厂后校验激活

**参数**

|  |  |
| --- | --- |
| **key值** | **描述** |
| entity.k |  |
| entity.b |  |
| entity.m | Md5值 |

**HTTP接口**

访问方式：/v1/pens/{penId}?activate

method: POST

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| timeStamp | 1449022467385 时间毫秒值 |

# 17 校验绑定关系

**参数**

|  |  |
| --- | --- |
| **key值** | **描述** |
| entity.penId | 笔id |

**HTTP接口**

访问方式：/v1/pens/{penId}?checkBind

method: POST

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| timeStamp | 1449022467385 时间毫秒值 |

# 18 笔app升级

**参数**

|  |  |
| --- | --- |
| **key值** | **描述** |
| entity.penId | 笔id |
| entity.version | App版本 |

**HTTP接口**

访问方式：/v1/pens/{penId}?upgradeApp

method: POST

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| timeStamp | 1449022467385 时间毫秒值 |

# 19 MPen码点读

**参数**

|  |  |
| --- | --- |
| **key值** | **描述** |
| entity.code | 码值 |

**HTTP接口**

访问方式：/v1/codes/{codeId}?read

method: get

**返回值**

|  |  |
| --- | --- |
| **参数名** | **描述** |
| errorCode | 错误码 1成功 0 失败 |
| errorMsg | 错误信息 |
| data |  |
| timeStamp | 1449022467385 时间毫秒值 |