

查询视频播放的时段分布

接口描述

- 1、通过时间范围查询用户视频播放时段统计数据，播放后生成数据需间隔一到两小时，其中流量数据间隔一个自然日生成

2、接口URL中的{userid}为点播账号userid，具体参考菜单【使用须知】->【获取密钥】

3、接口支持https协议

接口URL

http://api.polyv.net/v2/hourly/{userid}

在线API调用

请求方式

GET

接口约束

- 1、接口同时支持HTTP 、HTTPS ， 建议使用HTTPS 确保接口安全，接口调用有频率限制，[详细请查看](#)
- 2、请求参数中start（开始日期）与end（结束日期）需要同时传入，仅传一个参数不生效
- 3、同时传入dr（时间段）与start、end的情况下，仅start、end有效；都不传则dr为默认值7days

请求参数描述

参数名	必选	类型	说明
ptime	true	Long	当前时间的毫秒级时间戳，3分钟内有效

参数名	必选	类型	说明
sign	true	String	签名，为40位大写的SHA1值，生成签名的secretkey密钥作为通信数据安全的关键信息，严禁保存在客户端直接使用，所有API都必须通过客户自己服务器中转调用POLYV服务器获取响应数据【详见 签名生成规则 】
dr	false	String	时间段，默认值为7days，最近7天 today：今天 yesterday：昨天 this_week：本周 last_week：上周 7days：最近7天 this_month：本月 last_month：上个月 this_year：今年 last_year：去年
start	false	String	开始日期，格式为yyyy-MM-dd，例如：2021-03-31
end	false	String	结束日期，格式为yyyy-MM-dd，例如：2021-04-02

示例

```
http://api.polyv.net/v2/hourly/1b448be323?  
sign=571A6C9924A207BF92635FE5661144844519E0F2&ptime=1617785134079&dr=last_month
```

响应参数描述

参数名	类型	说明
code	Integer	响应状态码，200为成功返回，非200为失败【详见 全局错误说明 】

参数名	类型	说明
status	String	响应状态文本信息
message	String	响应描述信息，当code为400或者500的时候，辅助描述错误原因
data	Array	响应成功返回视频播放时段统计数据，响应失败返回空【详见 data字段说明 】

data参数描述

字段	类型	说明
currentHour	Integer	播放时段，单位小时
formatPcPlayDuration	String	pc播放时长，格式为：时:分:秒
pcPlayDuration	Integer	pc播放时长，单位为秒
pcFlowSize	Long	pc消耗流量，单位为字节
pcVideoView	Integer	pc端播放量
pcUniqueViewer	Integer	pc端唯一观众量
formatMobilePlayDuration	String	移动端播放时长，格式为：时:分:秒
mobilePlayDuration	Integer	移动端播放时长，单位为秒
mobileFlowSize	Long	移动端消耗流量，单位为字节
mobileVideoView	Integer	移动端播放量
mobileUniqueViewer	Integer	移动端唯一观众量

返回错误代码列表

错误代码	message	说明
400	sign can not be empty.	加密串为空
400	ptime is too old.	时间戳过期

错误代码	message	说明
400	ptime is illegal.	时间戳参数格式不对或者超过当前时间3分钟
400	Could not find user by userid.	userid不存在
400	the sign is not right.	加密串不正确
401	start and end illegal.	start日期大于end日期

Java请求示例

快速接入基础代码请[下载相关依赖源码](#)，[点击下载源代码](#)，下载后加入到自己的源码工程中即可。测试用例中的**HttpUtil.java** 和 **VodSignUtil.java** 都包含在下载文件中。

强烈建议您使用[点播Java SDK](#)完成API的功能对接，点播Java SDK 对API调用逻辑、异常处理、数据签名、HTTP请求线程池进行了统一封装和优化。

```
private static final Logger log = LoggerFactory.getLogger(VodStatisticsTest.class);
/**
 * 查询视频播放的时段分布
 * @throws Exception
 * @throws NoSuchAlgorithmException
 */
@Test
public void testGetPlayTimesByPeriod() throws Exception, NoSuchAlgorithmException {
    //公共参数,填写自己的实际参数
    String secretKey = super.secretKey;
    String userId = super.userId;
    String ptime = String.valueOf(System.currentTimeMillis());
    //业务参数
    String url = String.format("http://api.polyv.net/v2/hourly/%s", userId);
    String dr = "last_month";
    String start = "2021-03-31";
    String end = "2021-04-02";

    Map<String, String> requestMap = new HashMap<>();
    requestMap.put("ptime", ptime);
    requestMap.put("dr", dr);
    requestMap.put("sign", VodSignUtil.getSign(requestMap, secretKey));

    String response = HttpUtil.get(url, requestMap);
    log.debug("测试查询视频播放的时段分布,{})", response);
    //do somethings
}
```

响应示例

系统全局错误说明详见[全局错误说明](#)

成功示例

```
{
  "code": 200,
  "status": "success",
  "message": "success",
  "data": [
    {
      "currentHour": 0,
      "formatPcPlayDuration": "00:00:00",
      "pcPlayDuration": 0,
      "pcFlowSize": 0,
      "pcVideoView": 0,
      "pcUniqueViewer": 0,
      "formatMobilePlayDuration": "00:00:00",
      "mobilePlayDuration": 0,
      "mobileFlowSize": 0,
      "mobileVideoView": 0,
      "mobileUniqueViewer": 0
    },
    {
      "currentHour": 1,
      "formatPcPlayDuration": "00:00:00",
      "pcPlayDuration": 0,
      "pcFlowSize": 0,
      "pcVideoView": 0,
      "pcUniqueViewer": 0,
      "formatMobilePlayDuration": "00:00:00",
      "mobilePlayDuration": 0,
      "mobileFlowSize": 0,
      "mobileVideoView": 0,
      "mobileUniqueViewer": 0
    },
    {
      "currentHour": 2,
      "formatPcPlayDuration": "00:00:00",
      "pcPlayDuration": 0,
      "pcFlowSize": 0,
      "pcVideoView": 0,
      "pcUniqueViewer": 0,
      "formatMobilePlayDuration": "00:00:00",
      "mobilePlayDuration": 0,
      "mobileFlowSize": 0,
      "mobileVideoView": 0,
      "mobileUniqueViewer": 0
    },
    {
      "currentHour": 3,
      "formatPcPlayDuration": "00:00:00",
      "pcPlayDuration": 0,
      "pcFlowSize": 0,
      "pcVideoView": 0,
      "pcUniqueViewer": 0,
      "formatMobilePlayDuration": "00:00:00",
      "mobilePlayDuration": 0,
      "mobileFlowSize": 0,
      "mobileVideoView": 0,
      "mobileUniqueViewer": 0
    }
  ]
}
```

```
"mobileUniqueViewer": 0
},
{
  "currentHour": 4,
  "formatPcPlayDuration": "00:00:00",
  "pcPlayDuration": 0,
  "pcFlowSize": 0,
  "pcVideoView": 0,
  "pcUniqueViewer": 0,
  "formatMobilePlayDuration": "00:00:00",
  "mobilePlayDuration": 0,
  "mobileFlowSize": 0,
  "mobileVideoView": 0,
  "mobileUniqueViewer": 0
},
{
  "currentHour": 5,
  "formatPcPlayDuration": "00:00:00",
  "pcPlayDuration": 0,
  "pcFlowSize": 0,
  "pcVideoView": 0,
  "pcUniqueViewer": 0,
  "formatMobilePlayDuration": "00:00:00",
  "mobilePlayDuration": 0,
  "mobileFlowSize": 0,
  "mobileVideoView": 0,
  "mobileUniqueViewer": 0
},
{
  "currentHour": 6,
  "formatPcPlayDuration": "00:00:00",
  "pcPlayDuration": 0,
  "pcFlowSize": 0,
  "pcVideoView": 0,
  "pcUniqueViewer": 0,
  "formatMobilePlayDuration": "00:00:00",
  "mobilePlayDuration": 0,
  "mobileFlowSize": 0,
  "mobileVideoView": 0,
  "mobileUniqueViewer": 0
},
{
  "currentHour": 7,
  "formatPcPlayDuration": "00:00:00",
  "pcPlayDuration": 0,
  "pcFlowSize": 0,
  "pcVideoView": 0,
  "pcUniqueViewer": 0,
  "formatMobilePlayDuration": "00:00:00",
  "mobilePlayDuration": 0,
  "mobileFlowSize": 0,
  "mobileVideoView": 0,
  "mobileUniqueViewer": 0
},
{
  "currentHour": 8,
```

```
"formatPcPlayDuration": "00:00:00",
"pcPlayDuration": 0,
"pcFlowSize": 0,
"pcVideoView": 0,
"pcUniqueViewer": 0,
"formatMobilePlayDuration": "00:00:00",
"mobilePlayDuration": 0,
"mobileFlowSize": 0,
"mobileVideoView": 0,
"mobileUniqueViewer": 0
},
{
  "currentHour": 9,
  "formatPcPlayDuration": "00:00:21",
  "pcPlayDuration": 21,
  "pcFlowSize": 3627536,
  "pcVideoView": 2,
  "pcUniqueViewer": 2,
  "formatMobilePlayDuration": "00:00:00",
  "mobilePlayDuration": 0,
  "mobileFlowSize": 0,
  "mobileVideoView": 0,
  "mobileUniqueViewer": 0
},
{
  "currentHour": 10,
  "formatPcPlayDuration": "00:01:32",
  "pcPlayDuration": 92,
  "pcFlowSize": 43331003,
  "pcVideoView": 6,
  "pcUniqueViewer": 2,
  "formatMobilePlayDuration": "00:02:35",
  "mobilePlayDuration": 155,
  "mobileFlowSize": 33535828,
  "mobileVideoView": 3,
  "mobileUniqueViewer": 1
},
{
  "currentHour": 11,
  "formatPcPlayDuration": "00:03:10",
  "pcPlayDuration": 190,
  "pcFlowSize": 76230820,
  "pcVideoView": 13,
  "pcUniqueViewer": 5,
  "formatMobilePlayDuration": "00:00:40",
  "mobilePlayDuration": 40,
  "mobileFlowSize": 4046327,
  "mobileVideoView": 1,
  "mobileUniqueViewer": 1
},
{
  "currentHour": 12,
  "formatPcPlayDuration": "00:00:30",
  "pcPlayDuration": 30,
  "pcFlowSize": 18708078,
  "pcVideoView": 3,
```

```
"pcUniqueViewer": 1,
"formatMobilePlayDuration": "00:00:00",
"mobilePlayDuration": 0,
"mobileFlowSize": 0,
"mobileVideoView": 0,
"mobileUniqueViewer": 0
},
{
  "currentHour": 13,
  "formatPcPlayDuration": "00:00:00",
  "pcPlayDuration": 0,
  "pcFlowSize": 0,
  "pcVideoView": 0,
  "pcUniqueViewer": 0,
  "formatMobilePlayDuration": "00:00:00",
  "mobilePlayDuration": 0,
  "mobileFlowSize": 0,
  "mobileVideoView": 0,
  "mobileUniqueViewer": 0
},
{
  "currentHour": 14,
  "formatPcPlayDuration": "00:03:40",
  "pcPlayDuration": 220,
  "pcFlowSize": 99915723,
  "pcVideoView": 13,
  "pcUniqueViewer": 4,
  "formatMobilePlayDuration": "00:00:00",
  "mobilePlayDuration": 0,
  "mobileFlowSize": 0,
  "mobileVideoView": 0,
  "mobileUniqueViewer": 0
},
{
  "currentHour": 15,
  "formatPcPlayDuration": "00:02:53",
  "pcPlayDuration": 173,
  "pcFlowSize": 103330520,
  "pcVideoView": 18,
  "pcUniqueViewer": 5,
  "formatMobilePlayDuration": "00:00:37",
  "mobilePlayDuration": 37,
  "mobileFlowSize": 5371656,
  "mobileVideoView": 2,
  "mobileUniqueViewer": 2
},
{
  "currentHour": 16,
  "formatPcPlayDuration": "00:06:23",
  "pcPlayDuration": 383,
  "pcFlowSize": 93677801,
  "pcVideoView": 25,
  "pcUniqueViewer": 5,
  "formatMobilePlayDuration": "00:01:00",
  "mobilePlayDuration": 60,
  "mobileFlowSize": 22594584,
```

```
"mobileVideoView": 3,
"mobileUniqueViewer": 3
},
{
  "currentHour": 17,
  "formatPcPlayDuration": "00:08:08",
  "pcPlayDuration": 488,
  "pcFlowSize": 70086213,
  "pcVideoView": 8,
  "pcUniqueViewer": 5,
  "formatMobilePlayDuration": "00:04:15",
  "mobilePlayDuration": 255,
  "mobileFlowSize": 67539370,
  "mobileVideoView": 7,
  "mobileUniqueViewer": 1
},
{
  "currentHour": 18,
  "formatPcPlayDuration": "00:01:53",
  "pcPlayDuration": 113,
  "pcFlowSize": 34434354,
  "pcVideoView": 8,
  "pcUniqueViewer": 3,
  "formatMobilePlayDuration": "00:00:10",
  "mobilePlayDuration": 10,
  "mobileFlowSize": 1196895,
  "mobileVideoView": 1,
  "mobileUniqueViewer": 1
},
{
  "currentHour": 19,
  "formatPcPlayDuration": "00:00:00",
  "pcPlayDuration": 0,
  "pcFlowSize": 0,
  "pcVideoView": 0,
  "pcUniqueViewer": 0,
  "formatMobilePlayDuration": "00:00:00",
  "mobilePlayDuration": 0,
  "mobileFlowSize": 0,
  "mobileVideoView": 0,
  "mobileUniqueViewer": 0
},
{
  "currentHour": 20,
  "formatPcPlayDuration": "00:00:00",
  "pcPlayDuration": 0,
  "pcFlowSize": 0,
  "pcVideoView": 0,
  "pcUniqueViewer": 0,
  "formatMobilePlayDuration": "00:00:00",
  "mobilePlayDuration": 0,
  "mobileFlowSize": 0,
  "mobileVideoView": 0,
  "mobileUniqueViewer": 0
},
{
```

```

    "currentHour": 21,
    "formatPcPlayDuration": "00:00:00",
    "pcPlayDuration": 0,
    "pcFlowSize": 0,
    "pcVideoView": 0,
    "pcUniqueViewer": 0,
    "formatMobilePlayDuration": "00:00:00",
    "mobilePlayDuration": 0,
    "mobileFlowSize": 0,
    "mobileVideoView": 0,
    "mobileUniqueViewer": 0
  },
  {
    "currentHour": 22,
    "formatPcPlayDuration": "00:00:00",
    "pcPlayDuration": 0,
    "pcFlowSize": 0,
    "pcVideoView": 0,
    "pcUniqueViewer": 0,
    "formatMobilePlayDuration": "00:00:00",
    "mobilePlayDuration": 0,
    "mobileFlowSize": 0,
    "mobileVideoView": 0,
    "mobileUniqueViewer": 0
  },
  {
    "currentHour": 23,
    "formatPcPlayDuration": "00:00:00",
    "pcPlayDuration": 0,
    "pcFlowSize": 0,
    "pcVideoView": 0,
    "pcUniqueViewer": 0,
    "formatMobilePlayDuration": "00:00:00",
    "mobilePlayDuration": 0,
    "mobileFlowSize": 0,
    "mobileVideoView": 0,
    "mobileUniqueViewer": 0
  }
]
}

```

异常示例

```

{
  "code": 400,
  "status": "error",
  "message": "ptime is too old.",
  "data": ""
}

```