

快速接入

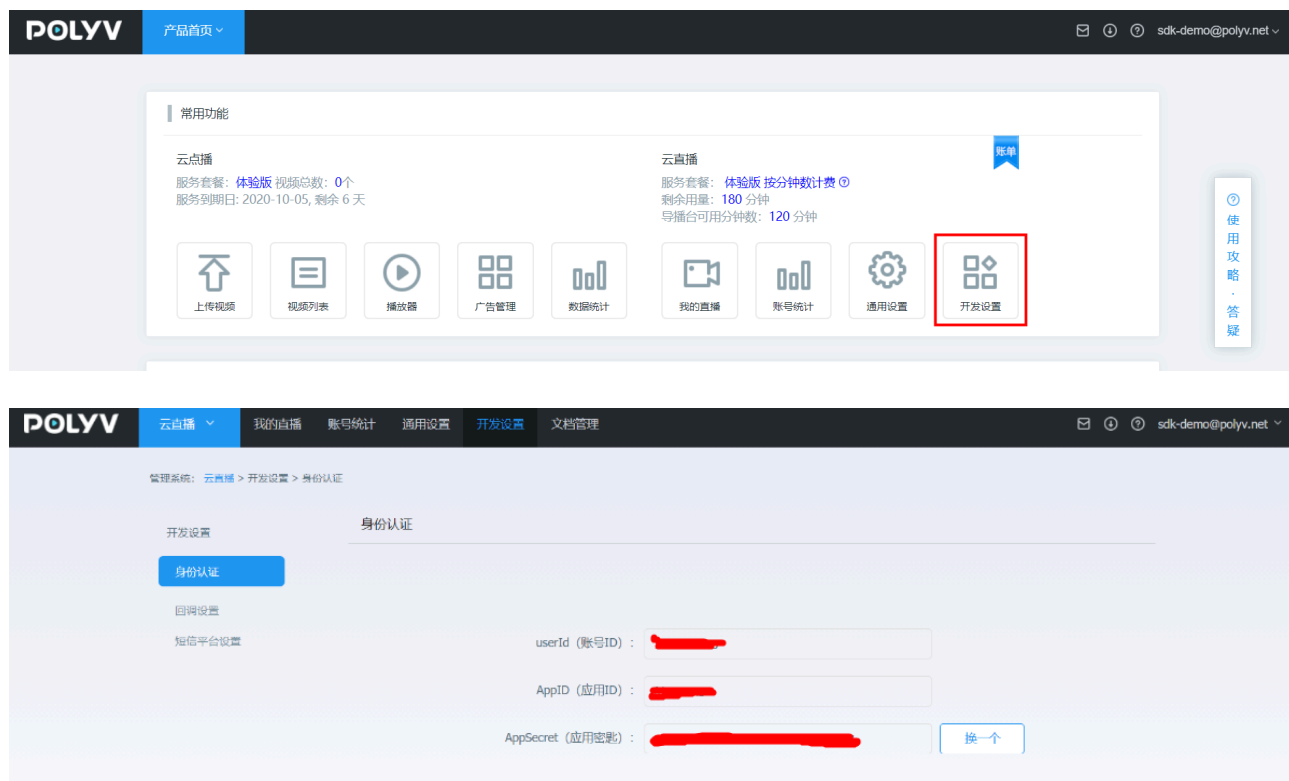
前提条件

在安装和使用保利威互动学堂Java SDK功能前，确保B端已经具备如下环境：

- 安装Java环境。

保利威互动学堂Java SDK支持1.8或更高版本。

- 注册保利威账号并获取访问密钥信息（UserId、AppId、AppSecret）。



1. 添加Maven依赖

将如下依赖加入到项目的POM文件中：

注意：受 Maven 中央仓库网络限制，阿里云云效 Maven 中央代理仓库可能会出现依赖查找不到的情况，建议使用中央仓库：<https://repo1.maven.org/maven2/>

```
<dependency>
  <groupId>net.polyv</groupId>
  <artifactId>polyv-java-vclass-sdk</artifactId>
  <version>2.2.8</version>
</dependency>
```

注意：为了消除Java的冗长代码，SDK使用了jdk1.8的最新特性lombok，请在IntelliJ或者Eclipse 中配置对lombok的支持

```
<dependency>
  <groupId>org.projectlombok</groupId>
  <artifactId>lombok</artifactId>
  <version>1.18.10</version>
</dependency>
```

2.初始化系统

在执行测试代码之前，需要B端先初始化系统配置，包括UserId \ AppId \ AppSecret，如没有以上信息，请参考本文[前提条件](#)部分获取，初始化示例代码如下，任选一种：

```
/**
 * 初始化配置,请配置自己的账号信息
 */
public static void initPolyvLive(){
    String userId = "xxx";
    String appId = "xxx";
    String appSecret = "xxx";
    VClassGlobalConfig.init(appId, userId, appSecret);
    log.debug("--初始化完成--");
}
```

```
/**
 * 初始化配置并初始化 HTTP CLIENT 连接池超时时间和最大连接数配置,请配置自己的账号信息
 */
public static void initPolyvLive(){
    String userId = "xxx";
    String appId = "xxx";
    String appSecret = "xxx";
    Integer timeOut = 20000; //HTTP CLIENT 连接池超时时间
    Integer maxClientNum = 100; //HTTP CLIENT 最大连接数
    VClassGlobalConfig.init( appId, userId, appSecret, timeOut , maxClientNum);
    log.debug("--初始化完成--");
}
```

以上代码一般配置于随系统启动执行一次的全局初始化中，如用spring框架，可以参考如下：

```
package net.polyv.live.config;

import org.springframework.beans.BeansException;
import org.springframework.context.ApplicationContext;
import org.springframework.context.ApplicationContextAware;
import org.springframework.stereotype.Component;

import lombok.extern.slf4j.Slf4j;

/**
 * 默认启动配置类
 * @author: thomas
 */
@Slf4j
@Component
public class StartupListener implements ApplicationContextAware {

    @Override
    public void setApplicationContext(ApplicationConteXt applicationConteXt) throws BeansException {
        String userId = "xxx";
        String appId = "xxx";
        String appSecret = "xxx";
        VClassGlobalConfig.init(appId,userId,appSecret);
        log.debug("--初始化完成--");
    }

}
```

3.执行测试代码

测试创建一个课节，单元测试代码如下：

```

import java.text.SimpleDateFormat;

import org.junit.Assert;

import com.alibaba.fastjson.JSON;

import lombok.extern.slf4j.Slf4j;
import net.polyv.common.v1.exception.PloyvSdkException;
import net.polyv.vclass.v1.config.VClassGlobalConfig;
import net.polyv.vclass.v1.constant.VClassConstant;
import net.polyv.vclass.v1.entity.lesson.VClassAddLessonRequest;
import net.polyv.vclass.v1.entity.lesson.VClassAddLessonResponse;
import net.polyv.vclass.v1.service.lesson.impl.VClassLessonServiceImpl;

@Slf4j
public class VClassLessonDemo {

    /**
     * 调用demo，必须处理PloyvSdkException。
     * <p>
     * 参数合法性校验：SDK采用自定义验证框架对输入参数进行校验，如有参数不合格，将抛出PloyvSdkException异常，exception的
     message
     * 包括具体校验不通过的字段信息，此异常是运行时异常，必须捕获处理相关业务逻辑；
     * <p>
     * 解析返回数据：解析返回数据，如SDK调用正常成功，将封装响应对象，正常返回，如服务器返回错误信息，SDK将抛出
     PloyvSdkException异常，exception的message
     * 包括具体服务器执行错误信息，此异常是运行时异常，必须捕获处理相关业务逻辑；
     * @param args
     */
    public static void main(String[] args) {
        //全局初始化，此处应该全局执行一次
        String userId = "xxx";
        String appId = "xxx";
        String appSecret = "xxx";
        VClassGlobalConfig.init(appId, userId, appSecret);
        log.debug("--初始化完成--");
        try {
            //封装API请求对象
            VClassAddLessonRequest vClassAddLessonRequest = VClassAddLessonRequest.builder()
                .name("测试创建互动学堂课程")
                .startTime(new SimpleDateFormat("yyyy-MM-dd HH:mm:ss").parse("2022-02-28 16:00:00"))
                .duration(30)
                .linkNumber(5)
                .watchCondition(VClassConstant.AuthType.NULL.getCode())
                .build();
            //调用SDK请求保利威服务器
            VClassAddLessonResponse vClassAddLessonResponse = new VClassLessonServiceImpl().addLesson(
                vClassAddLessonRequest);
            Assert.assertNotNull(vClassAddLessonResponse);
            //正常返回做B端正常的业务逻辑
            if (vClassAddLessonResponse != null) {
                //to do something .....
                log.debug("课程创建成功 {}", JSON.toJSONString(vClassAddLessonResponse));
                log.debug(
                    "老师上课地址：https://s.vclass.com/live-web-hi-class/teacher/login?lessonId={}, 老师登录账号：

```

```

{ }, 老师登录密码: { }",
        vClassAddLessonResponse.getLessonId(), vClassAddLessonResponse.getTeacherMobile(),
        vClassAddLessonResponse.getTeacherPasswd());
    log.debug("学生上课地址: https://s.vclass.com/live-web-hi-class/student/login?lessonId={}",
        vClassAddLessonResponse.getLessonId());
}
} catch (PloyvSdkException e) {
    //参数校验不合格 或者 请求服务器端500错误, 错误信息见PloyvSdkException.getMessage()
    log.error(e.getMessage(), e);
    // 异常返回做B端异常的业务逻辑, 记录log 或者 上报到ETL 或者回滚事务
} catch (Exception e) {
    log.error("SDK调用异常", e);
}
}
}
}
}

```

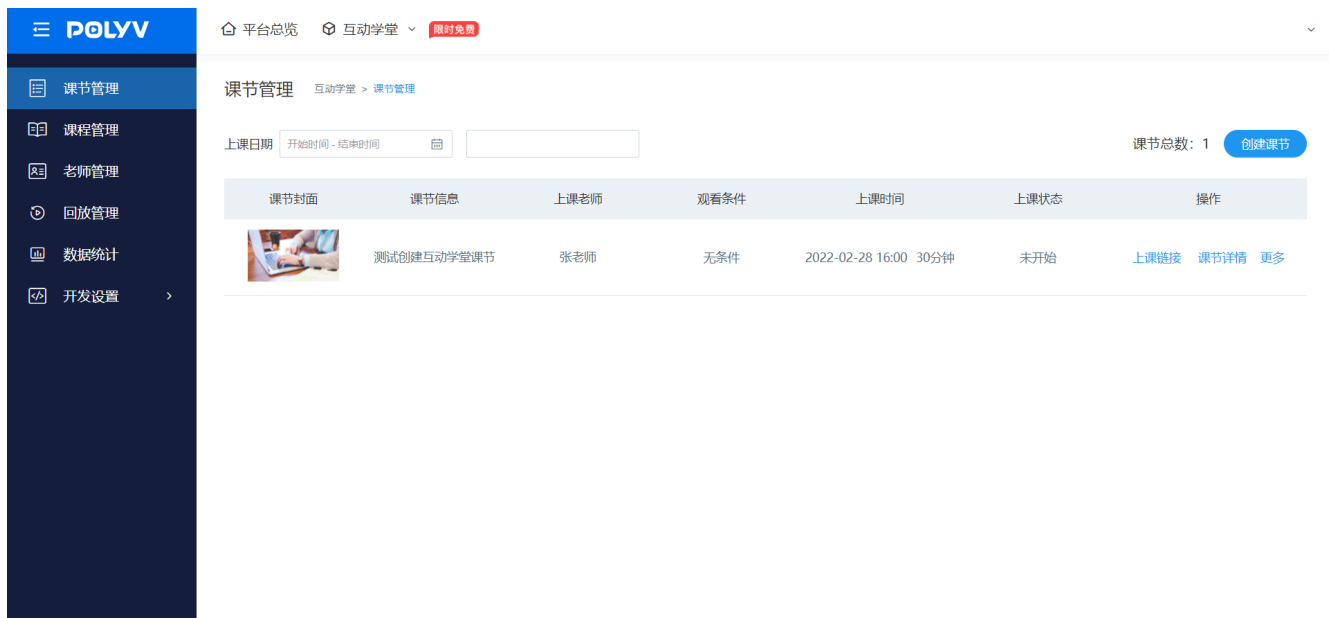
执行代码后, 控制台应有如下关键输出, 表示整合完成:

```

[main] DEBUG net.polyv.common.v1.base.HttpUtil - http 请求 url: https://api.polyv.net/hi-class-
api/open/lesson/v1/add?
requestId=61b9ac58d3114c2683fd4c5342040c43&appId=fr1r1zazn3&sign=3DF2B54E330650B4A75F5E157606EC99&timestamp=1644
999444305 , 请求参数: {"appId":"fr1r1zazn3","duration":30,"linkNumber":5,"name":"测试创建互动学堂课
节","requestId":"61b9ac58d3114c2683fd4c5342040c43","sign":"3DF2B54E330650B4A75F5E157606EC99","startTime":16460352
00000,"timestamp":"1644999444305","watchCondition":"NULL"}
[main] DEBUG net.polyv.common.v1.base.HttpUtil - http 请求结果:
{"code":200,"status":"success","requestId":"58d56000408d4b9792ac93d1412020a1.91.16449994455159077","data":
{"lessonId":15551,"lessonCode":"srs04332","name":"测试创建互动学堂课
节","status":0,"startTime":1646035200000,"endTime":1646037000000,"duration":30,"watchCondition":"NULL","secretKey
":"wpo5tyus97","cover":"//s1.videocc.net/default-img/small-class/default-
cover.png","teacherId":"g73qb9mfz5","teacherName":"张老师",
"courseCount":0,"webStartUrl":"https://s.vclass.com/live-web-hi-class/teacher/login?
lessonId=15551","watchStartUrl":"https://s.vclass.com/live-web-hi-class/student/login?
lessonId=15551","aloneWatch":"Y","cataId":0,"teacherCode":"+86","teacherMobile":"12000002368","teacherPasswd":"p
V6VW7","linkNumber":5,"autoConnectMicroEnabled":"N","autoRecordCourseEnabled":"N","autoAllVisible":"Y","resoluti
on":0,"playResolution":360},"success":true}
[main] DEBUG cn.timelost.spring.VClassLessonDemo - 课节创建成功
{"autoConnectMicroEnabled":"N","autoRecordCourseEnabled":"N","cover":"//s1.videocc.net/default-img/small-
class/default-cover.png","duration":30,"endTime":1646037000000,"lessonId":15551,"linkNumber":5,"name":"测试创建互
动学堂课
节","playResolution":360,"resolution":0,"secretKey":"wpo5tyus97","startTime":1646035200000,"teacherCode":"+86","t
eacherId":"g73qb9mfz5","teacherMobile":"12000002368","teacherName":"张老师",
"teacherPasswd":"pV6VW7","watchCondition":"NULL"}

```

还可以官网登录验证创建是否成功;



至此，B端已经完成保利威互动学堂Java SDK安装配置，可以使用互动学堂SDK进行其他功能开发和测试，如B端接入过程有任何问题，直接使用右下角[在线客服](#)找到售后技术支持提问，请将问题的运行环境、操作步骤、错误反馈信息、联系方式同步反馈，便于问题的快速定位和解决。