# 威客直播通信格式

通信格式:

{“service”:”xxxxxxxx”

“data”:{

“type”:”xxx”,

“info”:{“key”:”value”...}

}

}

登陆请求:

{

"service":"work",

"data":{

"type":"login",

"info":{

"ticket":"xxxxxxxxx",(用户ticket,visitor为空)

"usertype":"user/visitor",(user[普通用户],visitor[])

"username":"xxxxxxxxxxx"

}

}

}

相应回复

{

"service":"response",

"data":{

"type":"login",

"info":{

“status”:”E”/”S”(成功/失败)

“message”:”success”/”fail”(成功/失败)

}

}

}

发起直播请求:

{

"service":"work",

"data":{

"type":"startliving",

"info":{

"liveroomid":"xxxxxxxxx",

}

}

}

相应回复:

{

"service":"response",

"data":{

"type":"startliving",

"info":{

“status”:”E”/”S”(成功/失败)

“message”:”XXXXXXXXXXX”(成功返回推流地址)

}

}

}

加入直播间  
{

"service":"work",

"data":{

"type":"joinliving",

"info":{

"liveroomid":"xxxxxxxxx",(直播间id)

"audtype":"normal/interact"(用户类型:normal普通用户(包含游客),interact 互动用户)

}

}}

相应回复:

{"service":"response",

"data":{

"type":"joinliving",

"info":{

“status”:”E”/”S”/”W”(成功/失败/警告)

“message”:”XXXXXXXXXXX”(成功返回主播拉流地址)

//注意,如果当时老师在互动直播,增加参数message2

“message2”:”XXXXXXXXXX”(当前互动用户拉流地址-大屏)

}}

}

开始互动直播

{

"service":"work",

"data":{

"type":"startinteracting",

"info":{

}

}

}

相应回复(向发出请求的用户)

{

"service":"response",

"data":{

"type":"startinteracting",

"info":{

“status”:”E”/”S”(成功/失败)

“message”:”XXXXXXXXXXX”(成功返回推流地址)

}

}

}

(成功开始互动直播后,向老师端回复)  
注意延迟问题,教师端收到消息后稍等再进行拉流

{

"service":"response",

"data":{

"type":"startinteracting",

"info":{

“status”:”S”(成功/失败)

“message”:”XXXXXXXXXXX”(互动用户拉流地址)

“username”:”XXXXXXXXXX”(互动用户用户名)

}

}

}

互动学生向老师举手

{

"service":"work",

"data":{

"type":"raise",

"info":{

}

}

}  
相应回复(向教师)

{

"service":"response",

"data":{

"type":"raise",

"info":{

“status”:”S”(成功/失败)

“message”:”XXXXXXXXXXX”(举手用户的用户名)

}

}

}

教师切换视频直播流

{

"service":"work",

"data":{

"type":"convert",

"info":{

“streamname”:XXXXXXXXXXX(目标用户用户名)

}

}

}

相应回复:成功切换后会向直播间内所有用户广播信息

{

"service":"response",

"data":{

"type":"convert",

"info":{

“status”:”S”(成功/失败)

“pullstreampath”:”XXXXXXXXXXX”(拉流地址)

“convertor”:”XXXXXXXXXXXX”(切换到的人的用户名)

}

}

}

退出直播间

{

"service":"work",

"data":{

"type":"exit",

"info":{

}

}

}

无响应信息

直播中教师分享曲谱

{

"service":"work",

"data":{

"type":"shareopern",

"info":{

“message”:”xxxxxxxxxxxx” (图片url),

“status”:”S”

}

}

}

若分享成功,会给直播间所有成员发送曲谱url,覆盖掉之前的url

{

"service":"response",

"data":{

"type":"shareopern",

"info":{

“message”:”xxxxxxxxxxxx” (图片url),

“status”:”S”

}

}

}

画图

{

"service":"work",

"data":{

"type":"paint",

"info":{

“operation”:”rate/position/clear/color”,

"message":"xxxxxxxxx"

}}

向直播间内其他成员回复：

{

"service":"response",

"data":{

"type":"paint",

"info":{

“status”:”S”,

“operation”:”rate/position/clear/color”,

"message":"xxxxxxxxx"

}}