

- 初始化房间，录课端在进行录制的时候需要调用

URI:

**POST** <http://127.0.0.1:9002/record/configure>

参数: (**form**表单)

参数名	类型	示例	备注
room	String	1234	必传(房间号)
cam1	String	rtsp://192.168.5.159/1	必传(摄像头1)
cam2	String	rtsp://192.168.5.160/1	必传(摄像头2)
mic	String	'回音消除话筒 (Yealink CP900 Audio)'	非必传(麦克风, 不传则选默认设备)

请求示例:

```
$ curl -v \  
-X POST \  
-H "Accept-Language: zh-Hans-CN;q=1.0" \  
-H "User-Agent: CloudyClassOSX" \  
-H "Accept-Encoding: br;q=1.0, gzip;q=0.9, deflate;q=0.8" \  
-H "Content-Type: application/x-www-form-urlencoded; charset=utf-8" \  
-d "class_id=10000114&room=1234&mic=somemicdesc" \  
"http://127.0.0.1:9002/record/configure"
```

响应示例(content-type: application/json):

```
{  
  "state": 1, // state=1 表示业务处理成功, 则表示失败  
  "code": "Room 1234 has configured"  
}
```

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- 开始录制

URI:

**POST** <http://127.0.0.1:9002/record/start>

Params: (**form**)

参数名	类型	示例	备注
room	String	1234	必传(房间号)
cam	String	rtsp://192.168.5.160/1	必传(开始录制时候的摄像头地址)
screen	String	1	必传('1'开启屏幕录制, 其他为不开启)

请求示例:

```
$ curl -v \
-X POST \
-H "Accept-Encoding: br;q=1.0, gzip;q=0.9, deflate;q=0.8" \
-H "Accept-Language: zh-Hans-CN;q=1.0" \
-H "User-Agent: CloudyClassOSX" \
-H "Content-Type: application/x-www-form-urlencoded; charset=utf-8" \
-d "cam=1234&screen=1&room=1234" \
"http://127.0.0.1:9002/record/start"
```

响应示例(content-type: application/json):

```
{
  "state": 1, // state=1 表示业务处理成功, 则表示失败
  "code": "Start recording at room 1234"
}
```

● 暂停录制

URI:

POST <http://127.0.0.1:9002/record/pause>

Params: (form)

参数名	类型	示例	备注
room	String	1234	必传(房间号)

请求示例:

```
$ curl -v \
-X POST \
-H "Accept-Language: zh-Hans-CN;q=1.0" \
-H "User-Agent: CloudyClassOSX" \
-H "Accept-Encoding: br;q=1.0, gzip;q=0.9, deflate;q=0.8" \
-H "Content-Type: application/x-www-form-urlencoded; charset=utf-8" \
-d "room=1234" \
"http://127.0.0.1:9002/record/pause"
```

响应示例(content-type: application/json):

```
{
  "state": 1, // state=1 表示业务处理成功, 则表示失败
  "code": "Pause recording at room 1234",
  "data": {
    "image_path": "C:\\Users\\DS\\recordings\\10001311\\output_10001311_2021-11-03_10h07m21s.png",
    "video_path": "C:\\Users\\DS\\recordings\\10001311\\output_10001311_2021-11-03_10h07m21s.mp4",
    "video_size": "3807133",
    "video_duration": 9
  }
}
```

- 结束录制, 结束录制后自动上传视频的封面和视频至文件服务器

URI:

POST <http://127.0.0.1:9002/record/stop>

Params: (form)

参数名	类型	示例	备注
room	String	1234	必传(房间号)

请求示例:

```
$ curl -v \
-X POST \
-H "Accept-Language: zh-Hans-CN;q=1.0" \
-H "User-Agent: CloudyClassOSX" \
-H "Accept-Encoding: br;q=1.0, gzip;q=0.9, deflate;q=0.8" \
-H "Content-Type: application/x-www-form-urlencoded; charset=utf-8" \
-d "room=1234" \
"http://127.0.0.1:9002/record/stop"
```

响应示例(content-type: application/json):

```
{
  "state": 1, // state=1 表示业务处理成功, 则表示失败
  "code": "Stop recording at room 1234",
  "data": {
    "image_path": "C:\\Users\\DS\\recordings\\10001311\\output_10001311_2021-11-03_10h07m21s.png",
    "video_path": "C:\\Users\\DS\\recordings\\10001311\\output_10001311_2021-11-03_10h07m21s.mp4",
    "video_size": "3807133",
    "video_duration": 9
  }
}
```

- 切换摄像头

URI:

POST <http://127.0.0.1:9002/record/camera>

Params: (**form**)

参数名	类型	示例	备注
room	String	1234	必传(房间号)
cam	String	rtsp://192.168.5.160/1	必传(开始录制时候的摄像头地址)

请求示例:

```
$ curl -v \
-X POST \
-H "Accept-Language: zh-Hans-CN;q=1.0" \
-H "User-Agent: CloudyClassOSX" \
-H "Accept-Encoding: br;q=1.0, gzip;q=0.9, deflate;q=0.8" \
-H "Content-Type: application/x-www-form-urlencoded; charset=utf-8" \
-d "cam=rtsp&room=1234" \
"http://127.0.0.1:9002/record/camera"
```

响应示例(*content-type: application/json*):

```
{
  "state": 1, // state=1 表示业务处理表示成功, 则表示失败
  "code": "Switch to CAM1"
}
```

- 关闭/开启共享授课端屏幕

URI:

**POST** <http://127.0.0.1:9002/record/screen>

Params: **(form)**

参数名	类型	示例	备注
room	String	1234	必传(房间号)
cmd	String	1 or 2	必传(1为开启录制, 2为关闭录制)

请求示例:

```
$ curl -v \
-X POST \
-H "Accept-Encoding: br;q=1.0, gzip;q=0.9, deflate;q=0.8" \
-H "Accept-Language: zh-Hans-CN;q=1.0" \
-H "User-Agent: CloudyClassOSX" \
-H "Content-Type: application/x-www-form-urlencoded; charset=utf-8" \
-d "cmd=1&room=1234" \
"http://127.0.0.1:9002/record/screen"
```

响应示例(*content-type: application/json*):

```
{
  "state": 1, // state=1 表示业务处理表示成功, 则表示失败
  "code": "Start recording screen at room 1234"
}
```

● 重置房间

URI:

**POST** <http://127.0.0.1:9002/record/reset>

Params: **(form)**

参数名	类型	示例	备注
room	String	1234	必传(房间号)

请求示例:

```
$ curl -v \  
-X POST \  
-H "Accept-Encoding: br;q=1.0, gzip;q=0.9, deflate;q=0.8" \  
-H "Accept-Language: zh-Hans-CN;q=1.0" \  
-H "User-Agent: CloudyClassOSX" \  
-H "Content-Type: application/x-www-form-urlencoded; charset=utf-8" \  
-d "room=1234" \  
"http://127.0.0.1:9002/record/reset"
```

响应示例(*content-type: application/json*):

```
{  
  "state": 1, // state=1 表示业务处理表示成功, 则表示失败  
  "code": "Room 1234 is reset"  
}
```