**OneNet 转码服务**

**验收方案**

**文档版本号 1.0.00**

# 简介

本文档提供了OneNet转码服务的验收流程说明。

# 方案拓扑



说明：

1. 参考《[OneNet转码服务部署文档](OneNet转码服务部署文档.docx)》部署转码服务；
2. 参考 《[OneNet转码服务API接口设计](OneNet转码服务API接口设计.docx)》实现对转码服务的业务请求调用，检查回复消息；
3. 当开始推送源码流时，能力平台需通过SDK推送有效的视频码流到转码服务上，同时可以通过SDK从转码服务上拉取转码后的码流。

# 验收流程

## 开始转编码任务FLV2FLV

(1) 根据《OneNet转码服务API接口设计》文档3.1封装开始任务接口

(2) 准备对应的媒体码流，通过SDK推送到转码服务

例如：

|  |
| --- |
| POST /api/v1/transcode/submitTask?accKey=test&expire=1526568000.87&sign=af7ddd221cb9f220d5ca7d1dcc553257 HTTP/1.1  Accept-Encoding: identity  Content-Length: 100  Host: 172.29.11.54:9050  Content-Type: application/x-www-form-urlencoded  Connection: close  {"input": {"Container": "FLV"}, "output": {"Bitrate": "512", "Container": "FLV", "Res": "1280x720"}}  HTTP/1.1 200 OK  Date: Thu, 17 May 2018 14:39:00 GMT  Connection: Close  Content-Type: text/html  {"data":{"MediaIp":"172.29.11.55","MediaPort":10022,"TaskId":"ac1d0b37-2364-7f14b88cb240-04aaefe2"},"msg":"success","ret":0} |

## 开始转封装任务FLV2TS

(1) 根据《OneNet转码服务API接口设计》文档3.3封装开始任务接口

(2) 准备对应的媒体码流，通过SDK推送到转码服务

例如：

|  |
| --- |
| POST /api/v1/convert/submitTask?accKey=test&expire=1526568100.06&sign=663245a369c6db819c4b1264c59cf4a0 HTTP/1.1  Accept-Encoding: identity  Content-Length: 62  Host: 172.29.11.54:9050  Content-Type: application/x-www-form-urlencoded  Connection: close  {"input": {"Container": "FLV"}, "output": {"Container": "TS"}}  HTTP/1.1 200 OK  Date: Thu, 17 May 2018 14:40:40 GMT  Connection: Close  Content-Type: text/html  {"data":{"MediaIp":"172.29.11.54","MediaPort":10008,"TaskId":"ac1d0b36-2364-7fa554018a90-0566741e"},"msg":"success","ret":0} |

## 开始转封装任务TS2MP4

(1) 根据《OneNet转码服务API接口设计》文档3.3封装开始任务接口

(2) 准备对应的媒体码流，通过SDK推送到转码服务

例如：

|  |
| --- |
| POST /api/v1/convert/submitTask?accKey=test&expire=1526568100.06&sign=663245a369c6db819c4b1264c59cf4a0 HTTP/1.1  Accept-Encoding: identity  Content-Length: 62  Host: 172.29.11.54:9050  Content-Type: application/x-www-form-urlencoded  Connection: close  {"input": {"Container": "FLV"}, "output": {"Container": "TS"}}  HTTP/1.1 200 OK  Date: Thu, 17 May 2018 14:40:40 GMT  Connection: Close  Content-Type: text/html  {"data":{"MediaIp":"172.29.11.54","MediaPort":10008,"TaskId":"ac1d0b36-2364-7fa554018a90-0566741e"},"msg":"success","ret":0} |

## 结束转编码任务

(1) 根据《OneNet转码服务API接口设计》文档3.2封装结束任务接口

(2) 该接口用于结束转码任务

例如：

|  |
| --- |
| POST /api/v1/transcode/cancelTask?accKey=test&expire=1526568121.04&sign=787ff0eaf396f12578cb26ecc9f87b90 HTTP/1.1  Accept-Encoding: identity  Content-Length: 49  Host: 172.29.11.54:9050  Content-Type: application/x-www-form-urlencoded  Connection: close  {"TaskId": "ac1d0b37-2364-7f14b88cb240-04aaefe2"}  HTTP/1.1 200 OK  Date: Thu, 17 May 2018 14:41:01 GMT  Connection: Close  Content-Type: text/html  {"msg":"success","ret":0} |

## 结束转封装任务

(1) 根据《OneNet转码服务API接口设计》文档3.4封装结束任务接口

(2) 该接口用于结束转码任务

例如：

|  |
| --- |
| 1. POST /api/v1/convert/cancelTask?accKey=test&expire=1526568121.04&sign=787ff0eaf396f12578cb26ecc9f87b90 HTTP/1.1 2. Accept-Encoding: identity 3. Content-Length: 49 4. Host: 172.29.11.54:9050 5. Content-Type: application/x-www-form-urlencoded 6. Connection: close 7. {"TaskId": "ac1d0b37-2364-7f14b88cb240-04aaefe2"} 8. HTTP/1.1 200 OK 9. Date: Thu, 17 May 2018 14:41:01 GMT 10. Connection: Close 11. Content-Type: text/html 12. {"msg":"success","ret":0} |