



中国电信云转码 用户使用手册

中国电信股份有限公司

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1. 产品简介

1.1 产品概述

电信云转码是为多媒体数据提供的转码计算服务。它以经济、易用、弹性和高可扩展的音视频转换方法，帮助您将存储于 OOS 的音视频转码成适合在 PC、TV 以及移动终端上播放的格式。

电信云转码服务基于电信云存储服务构建，它改变了以往进行转码时需要购买、搭建、管理转码软硬件的高昂投入以及配置优化、转码参数适配等复杂性问题；同时，借助云存储服务的弹性伸缩特性，可以按需提供转码能力，从而最大限度的满足业务转码需求、避免资源浪费。

电信云转码服务功能包括 Portal 查看界面、服务 API 和软件开发工具包。您可以通过它们使用、管理转码服务，也可以将转码功能集成到您自己的应用和服务。

1.2 产品名词解释

OOS

电信云存储 (OOS)。云转码服务对用户存储于 OOS 的媒体文件进行转码，转码输出文件也保存在 OOS 中。

Input

媒体输入，云转码服务中输入是 OOS 中的一个视频文件。

Output

媒体输出配置，作业输出配置由模版 ID、水印列表、输出文件等元素组成。

Job

任务，默认指转码任务。一个转码任务由输入及输出配置组成，并有一个唯一 ID 标识。转码任务提交时需要指定管道，管道中的任务会被调度引擎调度到转码集群进行转码。一个转码任务可通过设置模板进行多码率输出。

Pipeline

管道（通道），简称 Pipeline。管道是一任务队列，转码任务加入到管道中，才会被媒体转码服务调度到转码执行；如果管道中任务数量过多，会排队等待。管道有激活、暂停两种状态，管道被暂停时，媒体转码服务不再调度此管道中的任务进行转码，直到管道被重新激活为止，已经在执行转码的作业不受影响。

Preset

预置模版，简称 Preset，指用户自行定义转码参数的转码模版，也可使用系统提供的模板，（可通过 Portal 查看），它是转码参数（音频、视频、容器，水印，缩略图等）的集合，每个自定义模板有一个唯一 ID。

1.3 产品优势

只要开通了电信云存储（OOS）服务即可使用云转码，按实际量收费，同等质量视频，文件更小，更省流量。

专业

成熟编码算法，更高视频质量

弹性

高速稳定的并行转码集群

转码任务规模无缝扩展

高扩展

提供丰富的媒体处理工具

自定义转码模板，按需设定

2. 使用手册

2.1 产品功能介绍

支持对存储于 OOS 中的音、视频文件按需转码

1. 支持格式

容器格式

FIAC、3GP、AVI、FLV、MP4、MPG、WMV、MKV、MOV、TS、WebM 等。

视频编码格式

H. 264/AVC、MPEG-2、MPEG-4、MPEG、FLV、TS、VP8、WebM 等。

音频编码格式

AAC、FLAC、MP2、MP3、PCM 等。

2. 管道

支持管道。可以通过管道来区分不同的转码业务，同一个管道内的作业支持优先级设置。同时，通过为管道分配转码资源，可以控制管道同时处理转码作业的能力。

3. 缩略图

支持对存储于 OOS 上的转码视频文件截取指定间隔时间的 JPG, PNG 格式图像。

4. 水印

支持在输出的视频上水印。水印图片支持 PNG, JPG 格式。

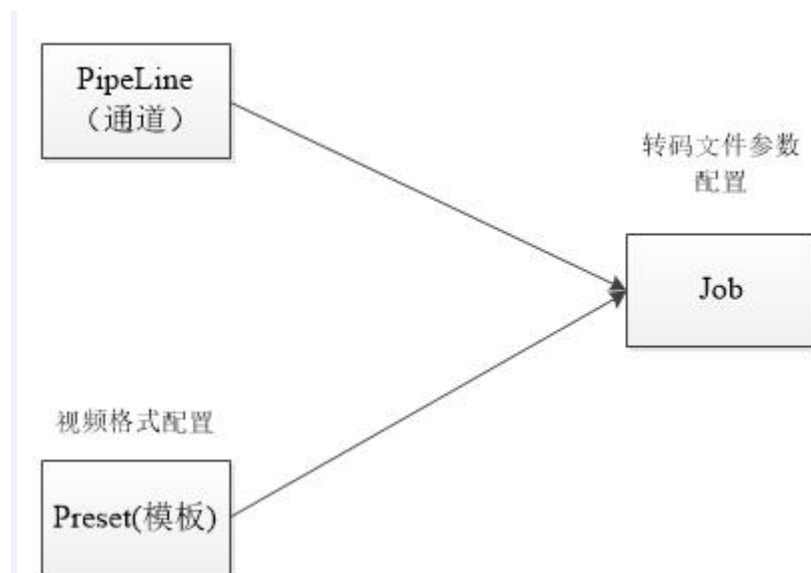
5. 自定义模板

由用户自行定义转码参数的转码模版，它是转码参数（音频、视频、容器等）的集合，可以满足用户个性化的转码需求。

6. Portal

用户可直接用 OOS 账号登录 Portal 查看转码任务，无需重新申请转码账户。

2.2 使用流程



转码流程如下：

1. 进行转码任务之前，用户必须首先创建 Pipeline，并在创建过程中设置相应的输入/输出 Bucket。
2. 如果预置模板满足用户需求，可选用预置模板进行转码，反之，用户可根据需求自定义转码模板。（模板主要用于视频转码输出配置）
3. 任务创建，用户可通过 API 指定输入/输出视频信息进行转码任务。
4. 用户可登录 Portal 查看任务状态。

2.3 使用限制

转码资源

每个用户可最多同时使用 10 个共享型转码资源，共享型转码资源不保证实时足量供给，转码资源需分配给管道使用；

转码管道

目前每个用户可最多创建 10 个管道，每个管道可设置不同的优先权存储不同的任务，每个管道可最多可容纳 10000 个排队作业，每个管道最多可同时处理的作业不超过分配给该管道的转码资源数；

自定义模版

每个用户在可创建 10 个自定义转码模版，每个模板内可创建最多 10 个水印模板。

操作

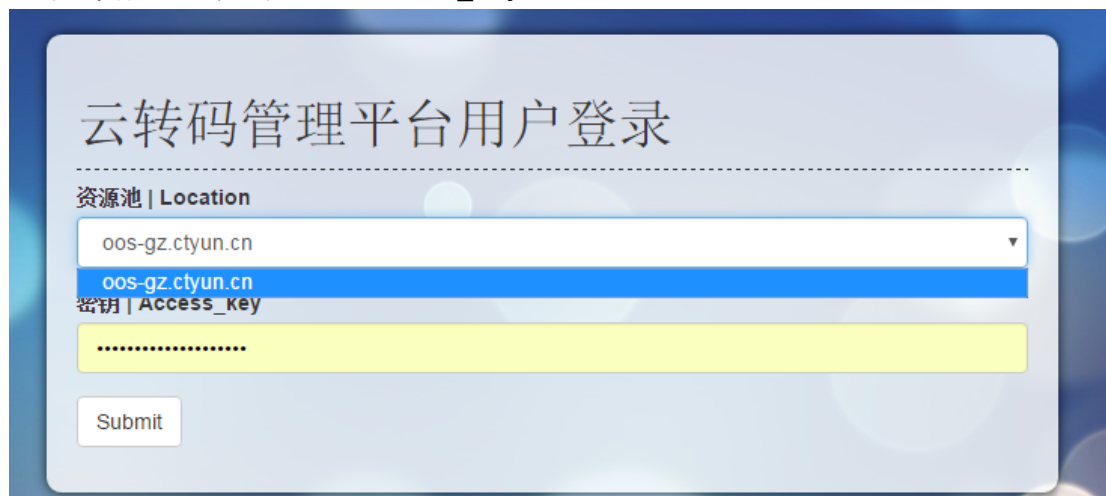
目前用户只能通过转码 API 对转码任务，通道，自定义模板进行操作。

2.4 Portal 使用帮助

Portal 仅提供查看功能，用户通过 API 创建任务后，可登录 portal 查看转码任务状态。

2.4.1 登录

用户转码 Portal 任务登录地址：<http://14.215.109.27:3001/login>，登录打开后，用户可选择自己所开云存储账户在哪个资源池，目前仅支持杭州资源池，登录密钥为云存储账户：Access_key



登录成功后用户可查看自己创建的任务，通道，及预设模板。

当前统计概览



2.4.2 任务查看

登录→我的任务

任务管理 > 全部任务列表

查询内容 按ID

id	运行状态	通道	时间	进度
258dcd5b6dcb9cf55 160c7e888c28e30	Complete	7fd21d6155a31183 989a36ef81eb7255	提交: 16-11-08 14:36:48 开始: 16-11-08 14:36:56 结束: 16-11-08 15:00:39	100%
beb71c8f249c37df4 6b489dc38afdb0f	Complete	7fd21d6155a31183 989a36ef81eb7255	提交: 16-11-08 13:28:39 开始: 16-11-08 13:28:46 结束: 16-11-08 13:45:31	100%

选择 ID 可查看任务详情

任务管理 > 任务详情 【258dcd5b6dcb9cf55160c7e888c28e30】

任务ID:	258dcd5b6dcb9cf55160c7e888c28e30
接口IP:	14.215.108.212
服务器:	14.215.108.183
运行状态:	Complete
所属用户:	oos-gz.ctyun.cn@3450340340059461323
所属通道:	7fd21d6155a31183989a36ef81eb7255

2.4.3 通道查看

登录→我的通道

通道管理 > 全部通道列表

查询内容 按ID ▾ 查询

id	名称	状态	优先级	资源数
c08176201cc25d4d2a4bdabb576211a7	testmp4	Active	6	1
b4b8d7970485e4c13e9db799069aa819	testpipeline-mpg0	Active	6	1
fa3fb4a67493908798c0b232844fb10c	ctbri	Active	6	1
b031af729227544974e2d397105f4e7d	test	Active	2	6

选择通道 ID，查看通道详情

通道管理 > 通道详情【c08176201cc25d4d2a4bdabb576211a7】

通道ID:	c08176201cc25d4d2a4bdabb576211a7
名称:	testmp4
运行状态:	Active
所属用户:	oos-gz.ctyun.cn@3450340340059461323

2.4.4 预置模板查看

登录->我的预设模板

预设管理 > 全部预设模板列表

查询内容 按ID ▾ 查询

id	名称	模板类型	创建时间
d31ab1f58c8ef5dcb8f571aa15ad0d04	testmp4_001	Custom	16-12-05 11:30:36
c94c82dfd8809b81b4fe2c5c2280041f	testmp4_03	Custom	16-12-03 19:24:56
5f5a798e1d9cb58b740e910e1cb1a9ac	preset-ts-1	Custom	16-12-02 15:49:22
187ecf28021822a048a0f5fc07078d34	preset-test09	Custom	16-12-02 15:16:15
004	Web	System	16-10-21 16:19:09

选择模板 ID, 可查看模板详情, 模板类型分为系统模板和自定义模板, 用户进行转码时如果系统模板不能满足转码需求, 可通过 API 自定义模板进行转码。

预设管理

> 预设模板详情【d31ab1f58c8ef5dcb8f571aa15ad0d04】

预设模板ID: d31ab1f58c8ef5dcb8f571aa15ad0d04

预设模板名称: testmp4_001

描述信息: test_mp4_03

预设模板类型: Custom

所属用户: oos-gz.ctyun.cn@3450340340059461323

转码格式信息: mp4

3. API 功能说明

3.1 简介

用户可根据本章节的介绍的 API 进行转码相关操作。

相关术语

术语	中文	说明
OOS	电信云存储	对用户存储于 OOS 中的媒体进行转码，并将转码输出文件保存在 OutputBucket 中。
Bukcet	OOS Bucket	存储对象的资源池
Input	转码输入	转码输入配置参数（包括输出 Bucket 及要转码的媒体文件）
Ouput	转码输出	转码输出配置参数（转码所使用的视频模板，水印输入文件及缩略图输出均在此处配置）
Job	转码任务	转码任务，一个转码任务由一路输入及一路或多路输出构成，任务会被加入到管道中，管道中的作业会被调度引擎调度到转码系统进行转码
OutputKeyPrefix	输出文件夹	输出文件所在文件夹
Preset	模板	模板是指用户自行定义转码参数的转码模板，它是转码参数（音频、视频、容器等）的集合。每个自定义模板有一个唯一 ID。
		管道是一作业队列，转码作业加入到管道中，才会被媒体转码服务调度到转码执行；如果管道中作业数量过多，会排

Pipeline	管道	队等待。管道有激活、暂停两种状态；管道被暂停时，媒体转码服务不再调度此管道中的作业执行转码，直到管道被重新激活为止，已经在执行转码的作业不受影响。
----------	----	---

3.2 调用方式

3.2.1 请求结构

云转码请求采用 HTTP Restful 结构，支持 HTTP，暂时不支持 HTTPS 请求。

1. 请求头 (header)

请求头示例：

```
POST /2012-09-25/pipelines HTTP/1.1
Host: ctyun.transcode.com
x-amz-date: 20120116T174952Z
Authorization:                                     AWS4-HMAC-SHA256
Credential=AccessKeyId/20120116/us-east-
1/ets/aws4_request, SignedHeaders=host;x-amz-date;x-amz-target, Signa
ture=145b1567ab3c50d929412f28f52c45dbf1e63ec5c66023d232a539a4afd11fd9
content-type: application/x-amz-json-1.0
content-length: 231
connection: Keep-Alive
```

重要说明：

x-amz-date:

用于创建包含在 Authorization 头中的签名字段。指定时间为 ISO 8601 的标准格式为 UTC 格式，如下例所示：20130613T203622Z。当 x-amz-date 出现时，系统会在请求认证时忽略任何 Date 字段值的头。接受到请求时，时间戳必须位于 AWS 系统时间的 15 分钟之内。否则，请求将会以 RequestExpired 错误失败，

来阻止其他人重新提交你的请求。

Authorization:

请求签名认证的必需的信息。

2. 请求体 (body)

云转码采用 JSON 格式传输数据，请求 body 示例如下：

```
POST /2012-09-25/jobs HTTP/1.1
Host: ctyun.transcode.com
x-ctyun-date: 20120116T174952Z
Authorization: Signature
Content-Type: application/x-ctyun-json-1.0; charset=UTF-8
Content-Length: 300
{
  "Input": {
    "Key": "sample.flv",
    "FrameRate": "auto",
    "Resolution": "auto",
    "AspectRatio": "auto",
    "Interlaced": "auto",
    "Container": "mp4"
  },
  "OutputKeyPrefix": "family-videos/",
  "Outputs": [
    {
      "Key": "sample.mp4",
      "ThumbnailPattern": "thumbnails/sample-{count}",
      "Rotate": "0",
      "PresetId": "1351620000000-100080"
    }
  ]
}
```

```
],  
  "PipelineId": "111111111111-abcde1"  
}
```

3. 应答 (response)

应答示例:

```
Status: 202 Accepted  
x-amzn-RequestId: c321ec43-378e-11e2-8e4c-4d5b971203e9  
Content-Type: application/json  
Content-Length: number of characters in the response  
Date: Mon, 14 Jan 2013 06:01:47 GMT  
{  
  "Success": "true"  
}
```

重要说明:

x-amzn-RequestId

云转码服务对每次请求生成的唯一标识

3.2.2 签名认证

电信云转码服务会对每个访问的请求进行身份验证, 用户在使用 API 提交请求时, 都需要在请求中包含签名 (Signature) 信息。电信云转码服务通过使用 Access Key ID 和 Access Key Secret 进行对称加密的方法来验证请求的发送者身份。Access Key ID 和 Access Key Secret 由电信云存储 (OOS) 方颁发给用户 (用户可登录电信云存储管理界面查看或创建), 其中 Access Key ID 用于标识访问者身份; Access Key Secret 是用于加密签名字符串和服务器端验证签名字符串的密钥, 必须严格保密, 只有电信云存储 (OOS) 和用户知道。

1. 用户访问时, 签名验证计算方法如下:

Authorization:

AWS4-HMAC-SHA256

```
Credential=AccessKeyID/20120116/us-east-1/ets/aws4_request, SignedHeaders=host;x-amz-date;x-amz-target, Signature=145b1567ab3c50d929412f28f52c45dbf1e63ec5c66023d232a539a4afd11fd9

Signature = HexEncode(HMAC(derived-signing-key, string-to-sign))
StringToSign = Algorithm + '\n' + RequestDate + '\n' + CredentialScope + '\n' + Hashed(CanonicalRequest);

CredentialScope = datestamp + '/' + region + '/' + service + '/' + 'aws4_request'

CanonicalRequest = HTTPRequestMethod + '\n' + CanonicalURI + '\n' + CanonicalQueryString + '\n' + CanonicalHeaders + '\n' + SignedHeaders + '\n' + HexEncode(Hash(RequestPayload))
CanonicalHeaders = 'host:' + host + '\n' + 'x-amz-date:' + amzdate + '\n'
SignedHeaders = 'host;x-amz-date'
```

说明:

Algorithm:

算法，云转码采用的算法为 AWS4-HMAC-SHA256。

RequestData:

请求时间，与请求头中 x-amz-date 时间值相匹配，格式 YYYYMMDD'T'HHMMSS'Z'。

datestamp:

可信域时间，与 RequestData 中日期相匹配，格式：YYYYMMDD。

CredentialScope:

可信域值。这个值是一个小写的包含时间，你所指定的区域，你所请求的服务，以及一个终结字符串("aws4_request")构成的字符串。区域以及服务的名字字符串必须是 UTF-8 编码的。

CanonicalRequest:

请求的杂凑值，这个值后面并不跟随一个换行符。这个杂凑的正规请求必须为小写的 16 进制编码。

HTTPRequestMethod:

请求方法，例如：GET, POST

CanonicalURL:

请求 URI，从域名到查询字符串（如果没有路径的话，使用 '/' ）

CanonicalQueryString:

要查询字符串

CanonicalHeaders:

请求签名头部

SignedHeaders:

请求签名头部其他部分

HexEncode:

代表了一个返回小写 16 进制编码的摘要的函数

PayloadHash:

请求内容的杂凑值，当你创建了一个用于签名的字符串，你需要指定用于对数据载荷进行杂凑的签名算法。例如，如果你使用 SHA256，你会使用 AWS4-HMAC-SHA256 作为签名算法。杂凑的数据载荷必须以小写的十六进制字符串进行表示。如果数据载荷为空，使用一个空的字符串作为杂凑函数的输入。

2. 签名构建详细说明过程示例（python）：

```
# AWS 版本 4 的签名示例

import sys, os, base64, datetime, hashlib, hmac

import requests # pip install requests 通过 pip 安装 requests

# 请求值

method = 'GET'

service = 'ec2'

host = 'ec2.amazonaws.com'
```



```
region = 'us-east-1'
endpoint = 'https://ec2.amazonaws.com'
request_parameters = 'Action=DescribeRegions&Version=2013-10-15'

# 秘钥产生函数。参见：
def sign(key, msg):
    return hmac.new(key, msg.encode('utf-8'), hashlib.sha256).digest()

def getSignatureKey(key, dateStamp, regionName, serviceName):
    kDate = sign(('AWS4' + key).encode('utf-8'), dateStamp)
    kRegion = sign(kDate, regionName)
    kService = sign(kRegion, serviceName)
    kSigning = sign(kService, 'aws4_request')
    return kSigning

# 从环境变量或者配置文件中读取 AWS 访问密钥。最好是不要将证书嵌入代码。
access_key = os.environ.get('AWS_ACCESS_KEY_ID')
secret_key = os.environ.get('AWS_SECRET_ACCESS_KEY')

if access_key is None or secret_key is None:
    print 'No access key is available.'
    sys.exit()

# 为头部及可信字符串创建一个时间值
t = datetime.datetime.utcnow()
amzdate = t.strftime('%Y%m%dT%H%M%SZ')
datestamp = t.strftime('%Y%m%d') # 不包含 (w/o=without) 时刻的时间值在
可信域中使用

# ***** 任务 1: 创建一个正规请求 *****

# 步骤 1 用于定义动词 (GET, POST, 等等) -- 已经完成。
```

步骤 2: 创建正规 URI--从域名到查询字符串 (如果没有路径的话, 使用 '/')

```
canonical_uri = '/'
```

步骤 3: 创建正规查询字符串。在这个例子中 (是一个 GET 的请求), 请求参数

在查询字符串中。查询字符串的值必须是 URL 编码的 (空格=%20)。参数必须

根据名字排序。对于这个例子来说, 查询的字符串已经在 request_parameters

变量中进行了预格式化。

```
canonical_querystring = request_parameters
```

步骤 4: 创建正规头部以及签名头部。头部和值必须去掉前后空格并且变为小

写, 并且以 ASCII 顺序排序。注意尾部的\n。

```
canonical_headers = 'host:' + host + '\n' + 'x-amz-date:' + amzdate + '\n'
```

步骤 5: 创建签名的列表。它在 canonical_headers 列表中列出了头部, 通过

";"进行划分, 并以字母序排序。

注意: 请求可以包括任何的头部; canonical_headers 以及 signed_headers 列

出了你想要包含进请求的杂凑值中的部分。"Host"和"x-amz-date"是必须的。

```
signed_headers = 'host;x-amz-date'
```

步骤 6: 创建数据载荷的杂凑值 (请求体内容的杂凑值)。对于 GET 请求来说,

数据载荷为空字符串 ("")。

```
payload_hash = hashlib.sha256('').hexdigest()
```

步骤 7: 连接这些元素来创建正规请求

```
canonical_request = method + '\n' + canonical_uri + '\n' +  
canonical_querystring + '\n' + canonical_headers + '\n' + signed_headers  
+  
'\n' + payload_hash  
  
# ***** 任务 2: 创建用于签名的字符串 *****  
  
# 将算法同你所使用的算法相匹配, SHA-1 或者是 SHA-256 (推荐)  
algorithm = 'AWS4-HMAC-SHA256'  
credential_scope = datestamp + '/' + region + '/' + service + '/' +  
'aws4_request'  
string_to_sign = algorithm + '\n' + amzdate + '\n' + credential_scope +  
'\n' + hashlib.sha256(canonical_request).hexdigest()  
  
# ***** 任务 3: 计算签名 *****  
  
# 使用上面定义的函数创建签名密钥  
signing_key = getSignatureKey(secret_key, datestamp, region, service)  
# 使用signing_key 来为 string_to_sign 签名  
signature = hmac.new(signing_key, (string_to_sign).encode('utf-8'),  
hashlib.sha256).hexdigest()  
  
# ***** 任务 4: 添加签名信息到请求 *****  
# 签名信息可以是在某个查询字符串的值中或者在名为 Authorization 的头中。  
# 这段代码展示了如何使用一个头部。  
# 创建授权头部并添加到请求头部  
authorization_header = algorithm + ' ' + 'Credential=' + access_key + '/' +  
+ credential_scope + ', ' + 'SignedHeaders=' + signed_headers + ', ' +  
'Signature=' + signature  
# 请求可以包括任何头部, 但必须包含"host", "x-amzdate", 以及 (在此情境
```

```
# 下) "Authorization"。"host"和"x-amz-date"必须包含进 canonical_headers
# 和 signed_headers, 就像前面注释的那样。这里的顺序并不重要。

# Python 注释: "host"头部通过 Python 的"requests"库自动添加。
headers = {'x-amz-date':amzdate, 'Authorization':authorization_header}

# ***** 发送请求 *****
request_url = endpoint + '?' + canonical_querystring
print '\nBEGIN REQUEST+++++++'
print 'Request URL = ' + request_url
r = requests.get(request_url, headers=headers)
print '\nRESPONSE+++++++'
print 'Response code: %d\n' % r.status_code
print r.text
```

3.3 关于 Pipeline 操作

3.3.1 Create Pipeline

请求语法

```
POST /2012-09-25/pipelines HTTP/1.1
Content-Type: application/json; charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyID/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
Content-Length: number of characters in the JSON string
{
    "Name": "pipeline name",
```

```

    "InputBucket": "Amazon S3 bucket that contains files to transcode and graphics
to use as watermarks",
    "OutputBucket": "Use this, or use ContentConfig:Bucket plus
    "Notifications": {
        "Progressing": "SNS topic to notify when Elastic Transcoder has started to
process the job",
        "Completed": "SNS topic to notify when Elastic Transcoder has finished
processing the job",
        "Warning": "SNS topic to notify when Elastic Transcoder encounters a warning
condition"
        "Error": "SNS topic to notify when Elastic Transcoder encounters an error
condition"
    },
}

```

请求参数

名称	类型	必填项 (M: 是 0: 否)	描述
Name	String	M	通道名称
InputBucket	String	M	输入 Bucket
OutputBucket	String	M	输出 Bucket
Notifications	String	M	结果通知地址

应答参数

名称	类型	描述
Pipeline	String	通道
Pipeline:Id	String	通道唯一标识
Pipeline:Name	String	通道名称
Pipeline:InputBucket	String	输入 Bucket
Pipeline:OutputBucket	String	输出 Bucket
Pipeline:Status	String	管道状态，分为 Active, Paused; Active: 表示管道内的任务会被转码服务调度转码执行; Paused: 表示管道暂停，任务不再会被转码调度转码执行，管道内的所有作业状态维持在已提交状态，已经处于转码中的任务将继续转码，不受影响。

请求示例

```

POST /2012-09-25/pipelines HTTP/1.1
Content-Type: application/json; charset=UTF-8

```

```
Accept: */*

Host: ctyun.transcode.com

x-amz-date: 20161014T174952Z

Authorization: AWS4-HMAC-SHA256

Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,

SignedHeaders=host;x-amz-date;x-amz-target,

Signature=calculated-signature

Content-Length: number of characters in the JSON string

{
    "Name": "Default",
    "InputBucket": "salesoffice.example.com-source",
    "OutputBucket": "salesoffice.example.com-source",
    "Notifications": {
        "Progressing": "",
        "Completed": "",
        "Warning": "",
        "Error": "arn:aws:sns:us-east-1:111222333444:ET_Errors"
    },
}
```

应答示例

```
Status: 201 Created
x-amzn-RequestId: c321ec43-378e-11e2-8e4c-4d5b971203e9
Content-Type: application/json
Content-Length: number of characters in the response
Date: Oct, , 14 Jan 2016 06:01:47 GMT
{
    "Pipeline": {
        "Id": "111111111111-abcde1",
        "Name": "Default",
        "InputBucket": "salesoffice.example.com-source",
        "OutputBucket": "salesoffice.example.com-source",
```

```

    "Notifications": {
      "Completed": "",
      "Error": "arn:aws:sns:us-east-1:111222333444:ET_Errors",
      "Progressing": "",
      "Warning": ""
    },
    "Status": "Active"
  },
}

```

3.3.2 List Pipelines

请求语法

```

GET /2012-09-25/pipelines/Ascending=true|false&
PageToken=value for accessing the next page of results HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 201610114T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyID/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature

```

请求参数

名称	类型	必填项 (M: 是 0: 否)	描述
Ascending	String	0	根据日期和时间进行先后排序的列出队列，输入 true。进行反向排序的输出队列，输入 false。
PageToken	String	0	当云转码返回大于一页的结果时，在随后的 GET 请求中使用 PageToken 来得到后续页的结果。

应答参数

名称	类型	描述
Pipeline:Status	String	管道状态，分为 Active, Paused; Active:表示管道内的任务会被转码服务调度转码执行； Paused:表示管道暂停，任务不再会被媒体转码调度转码执行，管道内的所有作业状态维持在已提交状态，已经处于转码中的任务将继续转码，不受影响。
Pipelining:NextPageToken	String	下一页标识

其他应答参数同 3.2.1 应答参数

请求示例

```
GET /2012-09-25/pipelines HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256 Credential=AccessKeyID/request-date/ElasticTranscoder
point/ets/aws4_request, SignedHeaders=host;x-amz-date;x-amz-target, Signature=calculated-signature
```

应答示例

```
Status: 200 OK
x-amzn-RequestId: c321ec43-378e-11e2-8e4c-4d5b971203e9
Content-Type: application/json
Content-Length: number of characters in the response
Date: Oct, , 14 Jan 2016 06:01:47 GMT
{
  "Pipelines": [
    {
      "Id": "111111111111-abcde1",
      "Name": "Tokyo-Default",
      "InputBucket": "salesoffice-tokyo.example.com-source",
      "OutputBucket": "salesoffice-tokyo.example.com-output",
      "Notifications": {
        "Progressing": "",
        "Completed": "",
        "Warning": "",
        "Error": "arn:aws:sns:us-east-1:111222333444:ETS_Errors"
      },
      "Status": "Active"
    }
  ],
}
```



```
{
  "Id": "222222222222-abcde2",
  "Name": "Amsterdam-Default",
  "InputBucket": "salesoffice-amsterdam.example.com-source",
  "OutputBucket": "salesoffice-amsterdam.example.com-output",
  "Notifications": {
    "Progressing": "",
    "Completed": "",
    "Warning": "",
    "Error": "arn:aws:sns:us-east-1:111222333444:ETS_Errors"
  },
  "Status": "Active"
}
```

3.3.3 Read Pipeline

请求语法

```
GET /2012-09-25/pipelines/pipelineId HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyID/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
```

请求参数

名称	类型	必填项(M:是 0:否)	描述
pipelineId	String	M	通道 ID

应答参数

应答参数同 3.2.1 应答参数。

请求示例

```
GET /2012-09-25/pipelines/111111111111-abcde1 HTTP/1.1
```

```
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
```

应答示例

```
Status: 200 OK
x-amzn-RequestId: c321ec43-378e-11e2-8e4c-4d5b971203e9
Content-Type: application/json
Content-Length: number of characters in the response
Date: Oct, 14 Jan 2016 06:01:47 GMT
{
  "Pipelines": {
    "Id": "Id for the new pipeline",
    "Name": "pipeline name",
    "InputBucket": "Amazon S3 bucket that contains files to transcode and graphics
to use as watermarks",
    "OutputBucket": "Use this, or use ContentConfig:Bucket plus
ThumbnailConfig:Bucket",
    "Notifications": {
      "Progressing": "SNS topic to notify when Elastic Transcoder has started to create
the pipeline",
      "Completed": "SNS topic to notify when Elastic Transcoder has created the
pipeline",
      "Warning": "SNS topic to notify when Elastic Transcoder returns a warning",
      "Error": "SNS topic to notify when Elastic Transcoder returns an error"
    },
    "Status": "Active|Paused"
  }
  "NextPageToken": value for accessing the next page of results|null
}
```

3.3.4 Update Pipeline

请求语法

```
PUT /2012-09-25/pipelines/pipelineId HTTP/1.1
Content-Type: application/json; charset=UTF-8
```

```

Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyID/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
Content-Length: number of characters in the JSON string
{
  "Id": "pipelineId",
  "Name": "pipeline name",
  "InputBucket": "Amazon S3 bucket that contains files to transcode
    and graphics to use as watermarks",
  "OutputBucket": "Use this, or use ContentConfig:Bucket plus
  "Notifications": {
    "Progressing": "SNS topic to notify when Transcoder has started to process the
job",
    "Completed": "SNS topic to notify when Transcoder has finished processing the
job",
    "Warning": "SNS topic to notify when Transcoder encounters a warning condition"
    "Error": "SNS topic to notify when Transcoder encounters an error condition"
  },
  "Status": "Active|Paused"
}

```

请求参数

名称	类型	必填项 (M: 是 0: 否)	描述
pipelineId	String	M	通道 ID
Id	String	M	通道 ID
Name	String	M	通道名称
InputBucket	String	M	输入 Bucket
OutputBucket	String	M	输出 Bucket
Notifications	String	M	结果通知地址
Status	String	M	通道状态

应答参数

应答参数同 3.2.1 应答参数。

请求示例

```
PUT /2012-09-25/pipelines/111111111111-abcde1 HTTP/1.1
```

```
Content-Type: application/json; charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
Content-Length: number of characters in the JSON string
{
  "Id": "111111111111-abcde1"
  "Name": "Default",
  "InputBucket": "salesoffice.example.com-source",
  "OutputBucket": "salesoffice.example.com-output",
  "Notifications": {
    "Progressing": "",
    "Completed": "",
    "Warning": "",
    "Error": "arn:aws:sns:us-east-1:111222333444:ET_Errors"
  },
  "Status": "Active"
}
```

应答示例

```
Status: 202 Accepted
x-amzn-RequestId: c321ec43-378e-11e2-8e4c-4d5b971203e9
Content-Type: application/json
Content-Length: number of characters in the response
Date: Oct, , 14 Jan 2016 06:01:47 GMT
{
  "Id": "111111111111-abcde1",
  "Name": "Default",
  "InputBucket": "salesoffice.example.com-source",
  "OutputBucket": "salesoffice.example.com-output",
  "Notifications": {
    "Progressing": "",
    "Completed": "",
    "Warning": "",
    "Error": "arn:aws:sns:us-east-1:111222333444:ET_Errors"
  },
  "Status": "Active",
}
```

3.3.5 Update Pipeline Status

请求语法

```
POST /2012-09-25/pipelines/pipelineId/status HTTP/1.1
Content-Type: application/json; charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
Content-Length: number of characters in the JSON string
{
  "Status": "new status for the pipeline"
}
```

请求参数

名称	类型	必填项 (M: 是 0: 否)	描述
pipelineId	String	M	通道 ID
Status	String	M	通道状态

应答参数

名称	类型	描述
Id	String	通道唯一标识
Status	String	管道状态，分为 Active, Paused; Active: 表示管道内的任务会被转码服务调度转码执行; Paused: 表示管道暂停，任务不再会被转码调度转码执行，管道内的所有任务状态维持在已提交状态，已经处于转码中的任务将继续转码，不受影响。

请求示例

```
POST /2012-09-25/pipelines/111111111111-abcde1/status HTTP/1.1
Content-Type: application/json; charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
```

```
Credential=AccessKeyID/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
Content-Length: number of characters in the JSON string
{
  "Status": "Active"
}
```

应答示例

```
Status: 202 Accepted
x-amzn-RequestId: c321ec43-378e-11e2-8e4c-4d5b971203e9
Content-Type: application/json
Content-Length: number of characters in the response
Date: Oct, , 14 Jan 2016 06:01:47 GMT
{
  "Id": "111111111111-abcde1",
  "Status": "Active"
}
```

3.3.6 Update Pipeline Notifications

请求语法

```
POST /2012-09-25/pipelines/pipelineId/notifications HTTP/1.1
Content-Type: application/json; charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyID/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
Content-Length: number of characters in the JSON string
{
  "Id": "pipelineId",
  "Notifications": {
    "Progressing": "SNS topic to notify when
Elastic Transcoder has started to process the job",
    "Completed": "SNS topic to notify when
Elastic Transcoder has finished processing the job",
```

```

    "Warning": "SNS topic to notify when
    Elastic Transcoder returns a warning",
    "Error": "SNS topic to notify when
    Elastic Transcoder returns an error"
  }
}

```

请求参数

名称	类型	必填项 (M: 是 0: 否)	描述
pipelineId	String	M	通道 ID
Id	String	M	通道 ID
Notifications	Dict	M	状态通知地址

应答参数

名称	类型	描述
Id	String	通道唯一标识
Notifications	Dict	状态通知地址

请求示例

```

POST /2012-09-25/pipelines/111111111111-abcde1/notifications HTTP/1.1
Content-Type: application/json; charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
Content-Length: number of characters in the JSON string
{
  "Id": "111111111111-abcde1",
  "Notifications": {
    "Progressing": "",
    "Completed": "",
    "Warning": "",
    "Error": "arn:aws:sns:us-east-1:111222333444:ETS_Errors"
  }
}

```

应答示例

```
Status: 202 Accepted
x-amzn-RequestId: c321ec43-378e-11e2-8e4c-4d5b971203e9
Content-Type: application/json
Content-Length: number of characters in the response
Date: Oct, , 14 Jan 2016 06:01:47 GMT
{
  "Id": "111111111111-abcde1",
  "Notifications": {
    "Progressing": "",
    "Completed": "",
    "Warning": "",
    "Error": "arn:aws:sns:us-east-1:111222333444:ETS_Errors"
  }
}
```

3.3.7 Delete Pipeline

请求语法

```
DELETE /2012-09-25/pipelines/pipelineId HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
```

请求参数

名称	类型	必填项 (M: 是 0: 否)	描述
pipelineId	String	M	通道唯一标识

应答参数

名称	类型	描述
Success	String	是否成功状态标识

请求示例


```
DELETE /2012-09-25/pipelines/111111111111-abcde1 HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
```

应答示例

```
Status: 202 Accepted
x-amzn-RequestId: c321ec43-378e-11e2-8e4c-4d5b971203e9
Content-Type: application/json
Date: Oct, , 14 Jan 2016 06:01:47 GMT
{
  "Success": "true"
}
```

3.4 关于 Job 操作

3.4.1 Create Job

请求语法

```
POST /2012-09-25/jobs HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature

{
  "Input": {
    "Key": "name of the file to transcode",
```

```

    "FrameRate": "auto|10|15|23.97|24|25|29.97|30|50|60",
    "Resolution": "auto",
    "AspectRatio": "auto|1:1|4:3|3:2|16:9",
    "Interlaced": "auto|true|false",
    "Container": "auto|3gp|aac|asf|avi|divx|flv|m4a|mkv|mov|mp3|mp4|mpeg|mpeg-ps
|mpeg-ts|mxfl|ogg|vob|wav|webm"
  },
  "OutputKeyPrefix": "prefix for file names in Amazon S3 bucket",
  "Outputs": [
    {
      "Key": "name of the transcoded file",
      "ThumbnailPattern": ""|"pattern",
      "Rotate": "auto|0|90|180|270",
      "PresetId": "preset to use for the job",
      "SegmentDuration": "[1, 60]",
      "Watermarks": [
        {
          "InputKey": "name of the .png or .jpg file",
          "PresetWatermarkId": "value of Video:Watermarks:Id in preset"
        },
      ],
    },
    {...}
  ],
  "Playlists": [
    {
      "Format": "HLSv3|HLSv4|MPEG-DASH|Smooth",
      "Name": "name",
      "OutputKeys": [
        "Outputs:Key to include in this playlist",
      ],
    }
  ],
  "UserMetadata": {
    "Key": "Value",
    "Second user metadata key": "Second user metadata value"
  },
  "PipelineId": "pipeline to use for transcoding"
}

```

请求参数

名称	类型	必填	描述
----	----	----	----

		项 (M: 是 0: 否)	
Input:key	String	M	要进行转码的视频文件
Input:FrameRate	String	0	输出文件的帧率，默认情况下转码服务会自动检测
Input:Resolution	String	0	以像素为单位的输入文件的分辨率，默认情况分转码服务会自动检测
Input:AspectRatio	String	0	文件的宽高比。默认情况下转码服务会自动检测
Input:Interlaced	String	0	输入是否是隔行扫描的。默认情况下转码服务会自动检测
Input:Container	String	0	输入文件的类型。默认情况下转码服务会自动检测。
OutputKeyPrefix	String	M	文件名前缀，该值最个一个字符必须包含” /”
Outputs:Key	String	M	输出文件名称
Outputs:ThumbnaiPattern	String	M/0	缩略图参数，如果想要视频文件，缩略图需设置此参数，参数格式：mp4/thumbnails/lasagna-{count} mp4/thumbnails/为文件存放位置，lasagna-为文件名名称前缀
Outputs:Rotate	String	M	输入文件对输出文件顺时针旋转角度
Outputs:PresetId	String	M	转码所使用的模板 ID
Outputs:SegmentDuration	String	M/0	转码分片时长，单位秒，当输出为 HLS 文件时，需设置此参数
Outputs:Watermarks:InputKey	String	M/0	要添加水印的图片文件名字
Outputs:Watermarks:WatermarkId	String	M/0	水印模板 ID, 相关参数在 Preset 中设置
Playlists:Format	String	M/0	输出播放列表格式，如转出 HLS 格式时需设置此参数
Playlists:Name	String	M/0	输出播放列表名称
Playlists:OutputKeys	String	M/0	对于任务中的每个输出来说，你希望在主播放列表包含 Outputs:Key 对象的值
UserMetadata	String	0	用户定义的元数据信息
PipelineId	String	M	任务调度所使用的通道 ID

应答参数

名称	类型	描述
Job:Id	String	任务 ID, 唯一
Job:Input:key	String	要进行转码的视频文件
Job:Input:FrameRate	String	输出文件的帧率, 默认情况下转码服务会自动检测
Job:Input:Resolution	String	以像素为单位的输入文件的分辨率, 默认情况分转码服务会自动检测
Job:Input:AspectRatio	String	文件的宽高比。默认情况下转码服务会自动检测
Job:Input:Interlaced	String	输入是否是隔行扫描的。默认情况下转码服务会自动检测
Job:Input:Container	String	输入文件的类型。默认情况下转码服务会自动检测。
Job:OutputKeyPrefix	String	文件名前缀, 该值最个一个字符必须包含"/"
Job:Outputs:Key	String	输出文件名称
Job:Outputs:ThumbnailPattern	String	缩略图参数, 如果想要视频文件, 缩略图需设置此参数, 参数格式: mp4/thumbnails/lasagna-{count} mp4/thumbnails/ 为文件存放位置, lasagna-为文件名名称前缀
Job:Outputs:Rotate	String	输入文件对输出文件顺时针旋转角度
Job:Outputs:PresetId	String	转码所使用的模板 ID
Job:Outputs:SegmentDuration	String	转码分片时长, 单位秒, 当输出为 HLS 文件时, 需设置此参数
Job:Outputs:Watermarks:InputKey	String	要添加水印的图片文件名字
Job:Outputs:Watermarks:WatermarkId	String	水印模板 ID, 相关参数在 Preset 中设置
Job:Playlists:Format	String	输出播放列表格式, 如转出 HLS 格式时需设置此参数
Job:Playlists:Name	String	输出播放列表名称
Job:Playlists:OutputKeys	String	对于任务中的每个输出来说, 你希望在主播放列表包含 Outputs:Key 对象的值
Job:UserMetadata	String	用户定义的元数据信息
Job:PipelineId	String	任务调度所使用的通道 ID
Job:Status	String	任务状态, 包括 (Submitted, Progressing, Complete, Canceled, Error)

请求示例

```
POST /2012-09-25/jobs HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
```

Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyID/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature

```
{
  "Input": {
    "Key": "recipes/lasagna.mp4",
    "FrameRate": "auto",
    "Resolution": "auto",
    "AspectRatio": "auto",
    "Interlaced": "auto",
    "Container": "mp4"
  },
  "OutputKeyPrefix": "recipes/",
  "Outputs": [
    {
      "Key": "mp4/lasagna-kindlefirehd.mp4",
      "ThumbnailPattern": "mp4/thumbnails/lasagna-{count} ",
      "Rotate": "0",
      "PresetId": "1351620000000-100080",
      "Watermarks": [
        {
          "InputKey": "logo/128x64.png",
          "PresetWatermarkId": "company logo 128x64"
        }
      ]
    },
    {
      "Key": "iphone/lasagna-512k",
      "ThumbnailPattern": "iphone/th512k/lasagna-{count} ",
      "Rotate": "0",
      "PresetId": "1351620000000-456789",
      "SegmentDuration": "5"
    }
  ],
  "Playlists": [
    {
      "Format": "HLSv3",
      "Name": "playlist-iPhone-lasagna.m3u8",
      "OutputKeys": [
        "iphone/lasagna-512k"
      ]
    }
  ]
}
```

```
    ]
  }
],
  "UserMetadata":
  {
    "Food type": "Italian",
    "Cook book": "recipe notebook"
  },
  "PipelineId": "111111111111-abcde1"
}
```

应答示例

```
Status: 201 Created
x-amzn-RequestId: c321ec43-378e-11e2-8e4c-4d5b971203e9
Content-Type: application/json
Date: Oct, , 14 Jan 2016 06:01:47 GMT

{
  "Job": {
    "Id": "333333333333-abcde3",
    "Input": {
      "Key": "cooking/lasagna.mp4",
      "FrameRate": "auto",
      "Resolution": "auto",
      "AspectRatio": "auto",
      "Interlaced": "auto",
      "Container": "mp4"
    },
    "Outputs": [
      {
        "Id": "1",
        "Key": "mp4/lasagna-kindlefirehd.mp4",
        "ThumbnailPattern": "mp4/thumbnails/lasagna-{count} ",
        "Rotate": "0",
        "PresetId": "1351620000000-100080",
        "Watermarks": [
          {
            "InputKey": "logo/128x64.png",
            "PresetWatermarkId": "company logo 128x64",
          }
        ],
      },
    ],
  },
}
```

```
{
  "Id": "2",
  "Key": "iphone/lasagna-512k", "
  ThumbnailPattern": "iphone/th1024k/lasagna-{count} ",
  "Rotate": "0",
  "PresetId": "1351620000000-987654",
  "SegmentDuration": "2",
},
],
"Playlists": [
  {
    "Format": "HLSv3",
    "Name": "playlist-iphone-lasagna.m3u8",
    "OutputKeys": [
      "iphone/lasagna-512k",
    ]
  }
],
"UserMetadata":
{
  "Food type": "Italian",
  "Cook book": "recipe notebook"
},
  "PipelineId": "111111111111-abcde1",
  "Status": "Progressing"
}
}
```

3.4.2 List Jobs by Pipeline

请求语法

```
GET /2012-09-25/jobsByPipeline/pipeline Id?
Ascending=true|false&
PageToken=value for accessing the next page of results HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,
```

SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature

请求参数

名称	类型	必填项 (M: 是 0: 否)	描述
Pipeline Id	String	M	通道 ID
Ascending	String	0	根据日期和时间进行先后排序的列出队列中的任务, 输入 true。进行反向排序的输出队列, 输入 false。
PageToken	String	0	当云转码返回大于一页的结果时, 在随后的 GET 请求中使用 PageToken 来得到后续页的结果。

应答参数

名称	类型	描述
Timing: SubmitTime	String	任务提交时间
Timing: StartTime	String	任务开始时间
Timing: FinishTime	String	任务结束时间
NextPageToken	String	下一页标识

其他应答参数同章节 3.4.1 应答参数

请求示例

```
GET /2012-09-25/jobsByPipeline/111111111111-abcde1?Ascending=true HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
```

应答示例

Status: 200 OK

x-amzn-RequestId: c321ec43-378e-11e2-8e4c-4d5b971203e9

Content-Type: application/json

Date: Oct, , 14 Jan 2016 06:01:47 GMT

```
{
  "Jobs": [
    {
      "Id": "333333333333-abcde3",
      "Input": {
        "Key": "cooking/lasagna.mp4",
        "FrameRate": "auto",
        "Resolution": "auto",
        "AspectRatio": "auto",
        "Interlaced": "auto",
        "Container": "mp4",
      },
      "Outputs": [
        {
          "Id": "1",
          "Key": "cooking/lasagna-KindleFireHD.mp4",
          "ThumbnailPattern": "cooking/lasagna-{count}-KindleFireHD",
          "Rotate": "0",
          "PresetId": "1351620000000-100080",
          "Watermarks": [
            {
              "InputKey": "logo/128x64.png",
              "PresetWatermarkId": "company logo 128x64",
            }
          ],
        },
      ],
      "Status": "Submitted",
      "PipelineId": "111111111111-abcde1",
      "Timing": {
        "SubmitTime": "1427212800000",
        "StartTime": "1427212856000",
        "FinishTime": "1427212875000"
      }
    }
  ],
  "NextPageToken": null
}
```

3.4.3 List Jobs by Status

请求语法

```
GET /2012-09-25/jobsByStatus/Status?
Ascending=true|false&
PageToken=value for accessing the next page of results HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyID/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
```

请求参数

名称	类型	必填项 (M: 是 0: 否)	描述
Status	String	M	任务状态, 包括 (Submitted , Progressing , Complete , Canceled , Error)
Ascending	String	0	根据日期和时间进行先后排序的列出队列中的任务, 输入 true。进行反向排序的输出队列, 输入 false。
PageToken	String	0	当云转码返回大于一页的结果时, 在随后的 GET 请求中使用 PageToken 来得到后续页的结果。

应答参数

应答参数同 3.4.2 应答参数。

请求示例

```
GET /2012-09-25/jobsByStatus/Complete?Ascending=true HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyID/request-date/Elastic Transcoder end
point/ets/aws4_request,
```

```
SignedHeaders=host;x-amz-date;x-amz-target,  
Signature=calculated-signature
```

应答示例

```
Status: 200 OK  
x-amzn-RequestId: c321ec43-378e-11e2-8e4c-4d5b971203e9  
Content-Type: application/json  
Date: Oct, , 14 Jan 2016 06:01:47 GMT  
  
{  
  "Jobs": [  
    {  
      "Id": "3333333333333-abcde3",  
      "Input": {  
        "Key": "cooking/lasagna.mp4",  
        "FrameRate": "auto",  
        "Resolution": "auto",  
        "AspectRatio": "auto",  
        "Interlaced": "auto",  
        "Container": "mp4",  
      },  
      "Outputs": [  
        {  
          "Id": "1",  
          "Key": "cooking/lasagna-KindleFireHD.mp4",  
          "ThumbnailPattern": "cooking/lasagna-{count}-KindleFireHD",  
          "Rotate": "0",  
          "PresetId": "1351620000000-100080",  
          "Watermarks": [  
            {  
              "InputKey": "logo/128x64.png",  
              "PresetWatermarkId": "company logo 128x64",  
            },  
          ],  
        },  
      ],  
      "Status": " Complete ",  
      "PipelineId": "1111111111111-abcde1",  
      "Timing": {  
        "SubmitTime": "1427212800000",  
        "StartTime": "1427212856000",  
        "FinishTime": "1427212875000"  
      }  
    }  
  ]  
}
```

```
"NextPageToken": null  
}
```

3.4.4 Read Job

请求语法

```
GET /2012-09-25/jobs/jobId HTTP/1.1  
Content-Type: charset=UTF-8  
Accept: */*  
Host: ctyun.transcode.com  
x-amz-date: 20161014T174952Z  
Authorization: AWS4-HMAC-SHA256  
Credential=AccessKeyId/request-date/Elastic Transcoder end  
point/ets/aws4_request,  
SignedHeaders=host;x-amz-date;x-amz-target,  
Signature=calculated-signature
```

请求参数

名称	类型	必填项 (M: 是 0: 否)	描述
JobId	String	M	任务 ID

应答参数

应答参数同 3.4.1 应答参数。

请求示例

```
GET /2012-09-25/jobs/333333333333-abcde3 HTTP/1.1  
Content-Type: charset=UTF-8  
Accept: */*  
Host: ctyun.transcode.com  
x-amz-date: 20161014T174952Z  
Authorization: AWS4-HMAC-SHA256  
Credential=AccessKeyId/request-date/Elastic Transcoder end  
point/ets/aws4_request,  
SignedHeaders=host;x-amz-date;x-amz-target,  
Signature=calculated-signature
```

应答示例

```
Status: 200 OK
x-amzn-RequestId: c321ec43-378e-11e2-8e4c-4d5b971203e9
Content-Type: application/json
Date: Oct, , 14 Jan 2016 06:01:47 GMT

{
  "Jobs": [
    {
      "Id": "333333333333-abcde3",
      "Input": {
        "Key": "cooking/lasagna.mp4",
        "FrameRate": "auto",
        "Resolution": "auto",
        "AspectRatio": "auto",
        "Interlaced": "auto",
        "Container": "mp4",
      },
      "Outputs": [
        {
          "Id": "1",
          "Key": "cooking/lasagna-KindleFireHD.mp4",
          "ThumbnailPattern": "cooking/lasagna-{count}-KindleFireHD",
          "Rotate": "0",
          "PresetId": "1351620000000-100080",
          "Watermarks": [
            {
              "InputKey": "logo/128x64.png",
              "PresetWatermarkId": "company logo 128x64",
            }
          ],
        }
      ],
      "Status": " Complete ",
      "PipelineId": "111111111111-abcde1",
      "Timing": {
        "SubmitTime": "1427212800000",
        "StartTime": "1427212856000",
        "FinishTime": "1427212875000"
      }
    }
  ]
}
```

3.4.5 Cancel Job

请求语法

```
DELETE /2012-09-25/jobs/jobId HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
```

请求参数

名称	类型	必填项 (M: 是 0: 否)	描述
JobId	String	M	任务唯一 ID, 仅可取消 Submit 状态的任务

应答参数

名称	类型	描述
Success	String	通知结果是否成功

请求示例

```
DELETE /2012-09-25/jobs/3333333333333-abcde3 HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
```

应答示例

```
Status: 202 Accepted
x-amzn-RequestId: c321ec43-378e-11e2-8e4c-4d5b971203e9
Content-Type: application/json
Date: Oct, , 14 Jan 2016 06:01:47 GMT
```

```
{  
  "Success": "true"  
}
```

3.5 关于 Preset 操作

3.5.1 Create Preset

请求语法

```
POST /2012-09-25/presets HTTP/1.1  
Content-Type: charset=UTF-8  
Accept: */*  
Host: ctyun.transcode.com  
x-amz-date: 20161014T174952Z  
Authorization: AWS4-HMAC-SHA256  
Credential=AccessKeyId/request-date/Elastic Transcoder end  
point/ets/aws4_request,  
SignedHeaders=host;x-amz-date;x-amz-target,  
Signature=calculated-signature  
  
{  
  "Name": "preset name",  
  "Description": "preset description",  
  "Container": "flac|flv|fmp4|gif|mp3|mp4|mpg|mx|oga|ogg|ts|webm",  
  "Audio": {  
    "Codec": "AAC|flac|mp2|mp3|pcm|vorbis",  
    "CodecOptions": {  
      "Profile": "auto|AAC-LC|HE-AAC|HE-AACv2",  
      "BitDepth": "16|24",  
      "Signed": "Signed",  
      "BitOrder": "LittleEndian"  
    },  
    "SampleRate": "auto|22050|32000|44100|48000|96000",  
    "BitRate": "audio bit rate of output file in kilobits/second",  
    "Channels": "auto|0|1|2",  
    "AudioPackingMode": "SingleTrack|OneChannelPerTrack|OneChannelPerTrackWith  
hMosTo8Tracks"  
  },  
  "Video": {  
    "Codec": "gif|H.264|mpeg2|vp8",  
    "CodecOptions": {
```

```

        "Profile": "baseline|main|high|0|1|2|3",
        "Level": "1|1b|1.1|1.2|1.3|2|2.1|2.2|3|3.1|3.2|4|4.1",
        "MaxReferenceFrames": "maximum number of reference frames",
        "MaxBitRate": "maximum bit rate",
        "BufferSize": "maximum buffer size",
        "InterlacedMode": "Progressive|TopFirst|BottomFirst|Auto",
        "ColorSpaceConversion": "None|Bt709ToBt601|Bt601ToBt709|Auto",
        "ChromaSubsampling": "yuv420p|yuv422p",
        "LoopCount": "Infinite|[0, 100]"
    },
    "KeyframesMaxDist": "maximum frames between key frames",
    "FixedGOP": "true|false",
    "BitRate": "auto|video bit rate of output file in kilobits/second",
    "FrameRate": "auto|10|15|23.97|24|25|29.97|30|50|60",
    "MaxFrameRate": "10|15|23.97|24|25|29.97|30|50|60",
    "MaxWidth": "auto|[128, 4096]",
    "MaxHeight": "auto|[96, 3072]",
    "SizingPolicy": "Fit|Fill|Stretch|Keep|ShrinkToFit|ShrinkToFill",
    "PaddingPolicy": "Pad|NoPad",
    "DisplayAspectRatio": "auto|1:1|4:3|3:2|16:9",
    "Resolution": "auto|width in pixelsxheight in pixels" <not
recommended>,
    "AspectRatio": "auto|1:1|4:3|3:2|16:9" <not recommended>,
    "Watermarks": [
        {
            "Id": "unique identifier up to 40 characters",
            "MaxWidth": "[16, Video:MaxWidth]px|[0, 100]%",
            "MaxHeight": "[16, Video:MaxHeight]px|[0, 100]%",
            "SizingPolicy": "Fit|Stretch|ShrinkToFit",
            "HorizontalAlign": "Left|Right|Center",
            "HorizontalOffset": "[0, 100]%|[0, Video:MaxWidth]px",
            "VerticalAlign": "Top|Bottom|Center",
            "VerticalOffset": "[0, 100]%|[0, Video:MaxHeight]px",
            "Opacity": "[0, 100]",

            "Target": "Content|Frame"
        },
    ],
],
},
"Thumbnails": {
    "Format": "jpg|png",
    "Interval": "number of seconds between thumbnails",
    "MaxWidth": "auto|[32, 4096]",
    "MaxHeight": "auto|[32, 3072]",

```



```

    "SizingPolicy": "Fit|Fill|Stretch|Keep|ShrinkToFit|ShrinkToFill",
    "PaddingPolicy": "Pad|NoPad",
    "Resolution": "width in pixels x height in pixels" <not recommended>,
    "AspectRatio": "auto|1:1|4:3|3:2|16:9" <not recommended>
  }
}

```

请求参数

名称	类型	必填项 (M: 是 0: 否)	描述
Name	String	M	模板名称, 对于单一账号是唯一的
Description	String	M	模板的描述
Container	String	M	输出文件的类型, 可选值 flac, flv, fmp4, mp4, mpg, mxf, oga, ogg, ts, webm 等
Audio:Codec	String	M	音频编码器, 可选值: ACC, flac, mp2, mp3, pcm, vorbis. 等
Audio:CodeOptions:BitDepth	String	0	音频采样深度, 只针对 FLAC, PCM
Audio:CodeOptions:Signed	String	0	音频采样是使用正数还是负数, 支持 Signed, 只针对 PCM
Audio:CodeOptions:BitOrder	String	0	PCM 采样所存储顺序
Audio:SampleRate	String	0	输出音频流采样率
Audio:BitRate	String	M	输出文件码率
Audio:Channels	String	0	输出文件声道值
Audio:AudioPackingMode	String	0	组织音频声道和音轨的方法
Video:Codec	String	M	输出文件解码器, 可选值: FLAC, FLV, FPM4, MP4, MPG, MXF, OGA, OGG, TS, WEBM 等
Video:CodecOptions:Profile	String	0	输出文件配置
Video:CodecOptions:Level	String	0	输出文件级别
Video:CodecOptions:MaxReferenceFrames	String	0	仅针对 H. 264 使用, 用做解码后续帧的参考先前解码帧的最大数值, 只针对

			H264/MPEG2/VP8
Video:CodecOptions:MaxBitRate	String	0	输出最大码率只针对 H264/MPEG2/VP8
Video:CodecOptions:BufferSize	String	0	输出文件在 x 秒内数据的最大值, 只针对 H264/MPEG2
Video:CodecOptions:InterlaceMode	String	0	输出视频的交错模式, 只针对: H. 264/MPEG2
Video:CodecOptions:ColorSpaceConversion	String	0	输出视频颜色空间转换
Video:CodecOptions:ChromaSubs	String	0	输出视频颜色通道采样模式
Video:CodecOptions:LoopCount	String	0	希望输出 GIF 循环次数, 只针对 GIF
Video:KeyframesMaxDist	String	0	关键帧之间最大帧数
Video:FixedGOP	String	0	是否对 FixedGOP 使用固定值
Video:BitRate	String	M	输出视频码率
Video:FramRate	String	0	输出视频每秒帧数
Video:MaxFrameRate	String	0	输出视频最大帧数
Video:MaxWidth	String	0	输出视频最大宽度
Video:MaxHeight	String	0	输出视频最大高度
Video:SizingPolicy	String	0	控制视频缩放值
Video:PaddingPolicy	String	0	输出设备配置
Video:DisplayAspectRatio	String	0	输出元数据
Video:Reslution	String	0	输出分辨率和宽高比 不要和 Video:AspectRatio 同时使用
Video:AspectRatio	String	0	输出文件宽高比
Video:WaterMarks:Id	String	0	水印模板 ID, 唯一
Video:Watermarks:MaxWidth	String	0	水印最大宽度
Video:WaterMarks:MaxHeight	String	0	水印最大高度
Video:Watermarks:SizingPolicy	String	0	水印尺度值
Video:Watermarks:HorizontalAlign	String	0	水印水平位置
Video:Watermarks:HorizontalOffset	String	0	水印高度位置偏移
Video:Watermarks:VerticalAlign	String	0	水印位置
Vido:Watermarks:VerticalOffset	String	0	水印竖直位置偏移
Video:Watermarks:Opacity	String	0	水印图片透明度
Video:Watermarks:Target	String	0	水印目标值
Thumbnails:Format	String	0	缩略图的格式 jpg/png
Thumbnails:Interval	String	0	缩略图间隔, 单位秒

Thumbnails:MaxWidth	String	0	缩略图最大宽度
Thumbnails:MaxHeight	String	0	缩略图最大高度
Thumbnails:SizingPolicy	String	0	控制缩略图缩放值
Thumbnails:PaddingPolicy	String	0	输出设备配置
Thumbnails:Resolution	String	0	缩略图宽度和高度
Thumbnails:AspectRatio	String	0	缩略图宽高比

应答参数

名称	类型	描述
Preset:Id	String	模板 ID, 唯一
Preset:Type	String	模板类型 (Custom System)

其他参数同上。

请求示例

```
POST /2012-09-25/presets HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
```

```
{
  "Name": "DefaultPreset",
  "Description": "Use for published videos",
  "Container": "mp4",
  "Audio": {
    "Codec": "AAC",
    "CodecOptions": {
      "Profile": "AAC-LC"
    },
    "SampleRate": "44100",
    "BitRate": "96",
    "Channels": "2"
  },
  "Video": {
    "Codec": "H. 264",
    "CodecOptions": {
```

```
    "Profile": "main",
    "Level": "2.2",
    "MaxReferenceFrames": "3",
    "MaxBitRate": "",
    "BufferSize": "",
    "InterlacedMode": "Progressive",
    "ColorSpaceConversionMode": "None"
  },
  "KeyframesMaxDist": "240",
  "FixedGOP": "false",
  "BitRate": "1600",
  "FrameRate": "auto",
  "MaxFrameRate": "30",
  "MaxWidth": "auto",
  "MaxHeight": "auto",
  "SizingPolicy": "Fit",
  "PaddingPolicy": "Pad",
  "DisplayAspectRatio": "auto",
  "Watermarks": [
    {
      "Id": "company logo",
      "MaxWidth": "20%",
      "MaxHeight": "20%",
      "SizingPolicy": "ShrinkToFit",
      "HorizontalAlign": "Right",
      "HorizontalOffset": "10px",
      "VerticalAlign": "Bottom",
      "VerticalOffset": "10px",
      "Opacity": "55.5",
      "Target": "Content"
    }
  ]
},
"Thumbnails": {
  "Format": "png",
  "Interval": "120",
  "MaxWidth": "auto",
  "MaxHeight": "auto",
  "SizingPolicy": "Fit",
  "PaddingPolicy": "Pad"
}
}
```

应答示例

Status: 201 Created

x-amzn-RequestId: c321ec43-378e-11e2-8e4c-4d5b971203e9

Content-Type: application/json

Date: Oct, , 14 Jan 2016 06:01:47 GMT

```
{
  "Preset": {
    "Id": "5555555555555-abcde5",
    "Type": "Custom",
    "Name": "DefaultPreset",
    "Description": "Use for published videos",
    "Container": "mp4",
    "Audio": {
      "Codec": "AAC",
      "CodecOptions": {
        "Profile": "AAC-LC"
      },
      "SampleRate": "44100",
      "BitRate": "96",
      "Channels": "2"
    },
    "Video": {
      "Codec": "H. 264",
      "CodecOptions": {
        "Profile": "main",
        "Level": "2.2",
        "MaxReferenceFrames": "3",
        "MaxBitRate": "",
        "BufferSize": "",
        "InterlacedMode": "Progressive",
        "ColorSpaceConversionMode": "None|Bt709ToBt601|Bt601ToBt709|Auto"
      },
      "KeyframesMaxDist": "240",
      "FixedGOP": "false",
      "BitRate": "1600",
      "FrameRate": "auto",
      "MaxFrameRate": "30",
      "MaxWidth": "auto",
      "MaxHeight": "auto",
      "SizingPolicy": "Fit",
      "PaddingPolicy": "Pad",
      "DisplayAspectRatio": "auto",
      "Watermarks": [
```

```
{
  "Id": "company logo",
  "MaxWidth": "20%",
  "MaxHeight": "20%",
  "SizingPolicy": "ShrinkToFit",
  "HorizontalAlign": "Right",
  "HorizontalOffset": "10px",
  "VerticalAlign": "Bottom",
  "VerticalOffset": "10px",
  "Opacity": "55.5",
  "Target": "Content"
}
],
"Thumbnails": {
  "Format": "png",
  "Interval": "120",
  "MaxWidth": "auto",
  "MaxHeight": "auto",
  "SizingPolicy": "Fit",
  "PaddingPolicy": "Pad"
}
},
}
```

3.5.2 List Presets

请求语法

```
GET /2012-09-25/presets/Ascending=true|false&
PageToken=value for accessing the next page of
results HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
```

请求参数

名称	类型	必填项 (M: 是 0: 否)	描述
Status	String	M	任务状态, 包括 (Submitted , Progressing , Complete , Canceled , Error)
Ascending	String	0	根据日期和时间进行先后排序的列出模板, 输入 true。进行反向排序的输出模板, 输入 false。
PageToken	String	0	当云转码返回大于一页的结果时, 在随后的 GET 请求中使用 PageToken 来得到后续页的结果。

应答参数

应答参数同 3.5.1 应答参数。

请求示例

```
GET /2012-09-25/presets HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyID/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
```

应答示例

```
Status: 200 OK
x-amzn-RequestId: c321ec43-378e-11e2-8e4c-4d5b971203e9
Content-Type: application/json
Date: Oct, , 14 Jan 2016 06:01:47 GMT

{
  "Presets": [
    {
      "Id": "5555555555555-abcde5",
```

```
"Type": "Custom",
"Name": "DefaultPreset",
"Description": "Use for published videos",
"Container": "mp4",
"Audio": {
  "BitRate": "96",
  "Channels": "2",
  "Codec": "AAC",
  "CodecOptions": {
    "Profile": "AAC-LC"
  },
  "SampleRate": "44100"
},
"Video": {
  "Codec": "H. 264",
  "CodecOptions": {
    "Profile": "main",
    "Level": "2.2",
    "MaxReferenceFrames": "3",
    "MaxBitRate": "",
    "BufferSize": "",
    "InterlacedMode": "Progressive",
    "ColorSpaceConversionMode": "None"
  },
  "KeyframesMaxDist": "240",
  "FixedGOP": "false",
  "BitRate": "1600",
  "FrameRate": "auto",
  "MaxFrameRate": "30",
  "MaxWidth": "auto",
  "MaxHeight": "auto",
  "SizingPolicy": "Fit",
  "PaddingPolicy": "Pad",
  "DisplayAspectRatio": "auto",
  "Watermarks": [
    {
      "Id": "company logo",
      "MaxWidth": "20%",
      "MaxHeight": "20%",
      "SizingPolicy": "ShrinkToFit",
      "HorizontalAlign": "Right",
      "HorizontalOffset": "10px",
      "VerticalAlign": "Bottom",
      "VerticalOffset": "10px",
```



```

        "Opacity": "55.5",
        "Target": "Content"
    }
]
}
    "Thumbnails": {
        "Format": "png",
        "Interval": "120",
        "MaxWidth": "auto",
        "MaxHeight": "auto",
        "SizingPolicy": "Fit",
        "PaddingPolicy": "Pad"
    },
},
{...}
]
}

```

3.5.3 Read Preset

请求语法

```

GET /2012-09-25/presets/presetId HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature

```

请求参数

名称	类型	必填项(M: 是 0: 否)	描述
presetId	String	M	模板 ID

应答参数

应答参数同 3.5.1 应答参数。

请求示例

```
GET /2012-09-25/presets/555555555555-abcde5 HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
```

应答示例

```
Status: 200 OK
x-amzn-RequestId: c321ec43-378e-11e2-8e4c-4d5b971203e9
Content-Type: application/json
Date: Oct, , 14 Jan 2016 06:01:47 GMT

{
  "Presets":
  {
    "Id": "555555555555-abcde5",
    "Type": "Custom",
    "Name": "DefaultPreset",
    "Description": "Use for published videos",
    "Container": "mp4",
    "Audio": {
      "BitRate": "96",
      "Channels": "2",
      "Codec": "AAC",
      "CodecOptions": {
        "Profile": "AAC-LC"
      },
    },
    "SampleRate": "44100",
  },
  "Video": {
    "Codec": "H. 264",
    "CodecOptions": {
      "Profile": "main",
      "Level": "2.2",
      "MaxReferenceFrames": "3",
    },
  },
}
```

```
        "MaxBitRate": "",
        "BufferSize": "",
        "InterlacedMode": "Progressive",
        "ColorSpaceConversionMode": "None"
    },
    "KeyframesMaxDist": "240",
    "FixedGOP": "false",
    "BitRate": "1600",
    "FrameRate": "auto",
    "MaxFrameRate": "30",
    "MaxWidth": "auto",
    "MaxHeight": "auto",
    "SizingPolicy": "Fit",
    "PaddingPolicy": "Pad",
    "DisplayAspectRatio": "auto",
    "Watermarks": [
        {
            "Id": "company logo",
            "MaxWidth": "20%",
            "MaxHeight": "20%",
            "SizingPolicy": "ShrinkToFit",
            "HorizontalAlign": "Right",
            "HorizontalOffset": "10px",
            "VerticalAlign": "Bottom",
            "VerticalOffset": "10px",
            "Opacity": "55.5",
            "Target": "Content"
        }
    ]
}

"Thumbnails": {
    "Format": "png",
    "Interval": "120",
    "MaxWidth": "auto",
    "MaxHeight": "auto",
    "SizingPolicy": "Fit",
    "PaddingPolicy": "Pad"
},
},
}
```

3.5.4 Delete Preset

请求语法

```
DELETE /2012-09-25/presets/presetId HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
```

请求参数

名称	类型	必填项 (M: 是 0: 否)	描述
presetId	String	M	模板 ID

应答参数

名称	类型	描述
Success	String	结果状态通知

请求示例

```
DELETE /2012-09-25/pipelines/555555555555-abcde5 HTTP/1.1
Content-Type: charset=UTF-8
Accept: */*
Host: ctyun.transcode.com
x-amz-date: 20161014T174952Z
Authorization: AWS4-HMAC-SHA256
Credential=AccessKeyId/request-date/Elastic Transcoder end
point/ets/aws4_request,
SignedHeaders=host;x-amz-date;x-amz-target,
Signature=calculated-signature
```

应答示例

```
Status: 202 Accepted
x-amzn-RequestId: c321ec43-378e-11e2-8e4c-4d5b971203e9
Content-Type: application/json
Date: Oct, 14 Jan 2016 06:01:47 GMT
```

```
{  
  "Success": "true"  
}
```