

# 媒体处理

# 实践教程

# 产品文档





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# 文档目录

实践教程

视频任务回调备份 COS 视频任务回调通知 字幕生成及翻译 AWS 对接 MPS 媒体处理直播流录制 智能擦除能力接入



# 实践教程 视频任务回调备份 COS

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通过媒体处理 MPS,将 MPS 产生的回调任务通过 SCF 及时备份至 COS 是一个标准的方案,媒体处理 MPS 在云函数 SCF 中配置了模板供用户使用。我们用到了媒体处理(MPS)和云函数(SCF)。其中 MPS 主要用于媒体处理 任务,SCF 提供回调消息处理,COS 主要提供终端永久性存储能力。

# 操作步骤

#### 步骤1:创建 SCF 云函数

1. 登录 云函数控制台,选择左侧导航栏中的\*\*函数服务\*\*。

🕗 Tencent Cloud	Overview Products - +	
Serverless Cloud Function	Functions Cuangzhou(0) Vamespace: default	\$
Overview	Create Delete 0 functions selected. Up to 10 functions can be deleted at the same	Selec
Function Service	time.	
⊗ Layer	□ Function Name ◆       Function ▼       Moni       Function ▼       Runtime       ▼         Status       torin       Type       Environment         g	Descri
	Total items: 0	

2. 在函数服务页面上方选择北京地域,并单击新建进入新建函数页面。

3. 设置以下参数信息,如下图所示:

• 创建方式:选择模板创建。



#### • 模糊搜索:输入"CLS 消息转储至 COS",并进行搜索。

	Template Use demo template to create a function or application	Custom Create a custom function using HelloWolrd demo	3
zy search	mps Separate multiple tags with carriag	e returns	<b>Q</b> 共2个
	MPS_SCF_COS Lea	arn More MPSWebho	bokD Learn More
	Category Function	Category	Function
	Description The SCF will write each message to txt by each line	Description	Use cloud functions to push MPS information.
	Tag Python2.7 MPS Co	DS Tag	Nodejs8.9 MPS Webhook
	Deploy 7,880次	Author	🔗 Tencent Cloud
		Deploy	7,966次

说明:

单击模板中的**查看详情**,即可在弹出的"模板详情"窗口中查看相关信息,支持下载操作。



#### 4. 单击**下一步**,进入函数配置页。

Create		
Basic Configur	ations	
Function name *	MPS_SCF_COS It supports 2 to 60 characters, including letters, numbers, underscores and hyphens. It must start with a letter and end with a number or letter.	
Region *	🔇 Guangzhou 🔻	
Description *	The SCF will write each message to txt by each line. Then SCF will name this file by time and upload this txt to COS bucket.	
	Up to 1000 letters, digits, spaces, commas, and periods.	
Function Code	Runtime: Python2.7 Execution Method: index.main_handler	
Advanced Cont	iguration () Function invocation logs are published to the SCF-specific topic of CLS, which will use the free tier of CLS. See CLS Billing Details 12	
Trigger Configu	irations	
Create a Trigger	O Custom	

5. 保持默认配置请单击完成, 即完成函数的创建。

#### 步骤2:配置 MPS 触发器

1. 在 云函数控制台 页面,选择左侧导航栏中的\*\*函数服务\*\*,单击对应的函数名后,将跳转至此函数的详情页。

2. 单击触发管理>创建触发器将弹出的创建触发器窗口, 触发方式请选择 "MPS 触发器"。

主要参数信息如下,其余配置项请保持默认:

• **事件类型**:MPS 触发器以账号维度的事件类型推送 Event 事件,目前支持工作流任务(WorkflowTask)和视频编辑任务(EditMediaTask)两种事件类型触发。

说明:

- 初次创建 MPS 触发器将提示相关服务角色状态异常,请按提示单击对应服务SCF\_QcsRole、 MPS\_QcsRole进行授权。
- MPS 触发器以服务维度产生的事件作为事件源,不区分地域、资源等属性。每个账号只允许两类事件分别绑定单个函数。如需多个函数并行处理任务,请参见 函数间调用 SDK。



3. 单击提交后,即完成 MPS 触发器配置。

#### 步骤3:测试函数功能

- 1. 在 MPS 控制台执行 MPS 的媒体处理工作流。
- 2. 切换至 云函数控制台\*\*, 查看执行结果。
  在函数详情页面中选择日志查询\*\*页签,可以看到打印出的日志信息。
  3. 切换至 对象存储 COS 控制台,查看数据转储及加工结果。

说明:

您可以根据自身的需求编写具体的数据加工处理方法。



# 视频任务回调通知

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通过媒体处理 MPS 后,完成视频任务回调通知是一个标准的方案,媒体处理 MPS 在云函数 SCF 中配置了模板供用 户使用。

# 操作场景

在本文档示例中,我们将用到媒体处理(MPS)和云函数(SCF)。其中 MPS 主要用于媒体处理任务, SCF 主要 提供回调消息处理。

## 操作步骤

#### 步骤1:创建 SCF 云函数

1. 登录 云函数控制台,选择左侧导航栏中的【函数服务】。

2. 在函数服务页面上方选择北京地域,并单击【新建】进入新建函数页面。

3. 设置以下参数信息,如下图所示:

- 。 函数名称:您可自定义名称,现以"MPSAnalysis"为例。
- 。运行环境:任务回调模板目前仅支持 Nodejs 8.9。
- **。创建方式**:选择模板函数。
- 。 模糊搜索:输入"MPS Webhook 模版",并进行搜索。

说明:

单击模板中的【查看详情】,即可在弹出的"模板详情"窗口中查看相关信息,支持下载操作。

4. 单击【下一步】,进入函数配置页。

5. 保持默认配置请单击【完成】,即完成函数的创建。

#### 步骤2:配置 MPS 触发器



- 1. 在【云函数控制台】页面,选择左侧导航栏中的【函数服务】,单击对应的函数名后,将跳转至此函数的详情页。
- 2. 单击【触发管理】>【创建触发器】将弹出的创建触发器窗口, 触发方式请选择 "MPS 触发器"。

主要参数信息如下,其余配置项请保持默认:

• **事件类型**: MPS 触发器以账号维度的事件类型推送 Event 事件,目前支持工作流任务(WorkflowTask)和视频编辑任务(EditMediaTask)两种事件类型触发。

说明:

- 初次创建 MPS 触发器将提示相关服务角色状态异常,请按提示单击对应服务【SCF\_QcsRole】、 【MPS\_QcsRole】进行授权。
- MPS 触发器以服务维度产生的事件作为事件源,不区分地域、资源等属性。每个账号只允许两类事件分别绑定单个函数。如需多个函数并行处理任务,请参见 函数间调用 SDK。

3. 单击【提交】后,即完成 MPS 触发器配置。

#### 步骤3:测试函数功能

- 1. 登录媒体处理控制台执行视频处理工作流。
- 切换至【云函数控制台】,查看执行结果。
   在函数详情页面中选择【日志查询】页签,可以看到打印出的日志信息。如下图所示:
- 3. 切换至 对象存储 COS 控制台, 查看数据转储及加工结果。

说明:

您可以根据自身的需求编写具体的数据加工处理方法。



# 字幕生成及翻译

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## 场景一:离线文件处理

#### 一、零代码自动生成

1. 登录媒体处理控制台 创建编排 ,语音识别、语音翻译能力可插入"内容理解"编排节点,单击

根据业务实际场景选择系统预设模板。

Sencent Cloud	Overview Products 🔻	+
Media Processing Service	← Create sch	eme
Cverview		
Tasks	Trigger type	Tencent Cloud COS AWS
Usage Statistics	Scheme name	subtitle
😪 Workflows 🛛 ^		Max 128 characters; supports Chinese characters, letters, digits, underscores, and hyphens.
Schemes	Trigger bucket	Select region    Select Bucket
<ul> <li>Buckets</li> </ul>	Trigger directory	
🕞 Templates ^		Starts and ends with "/". If you leave this empty, the scheme will be applied to all directories of the bucket.
<ul> <li>Audio/Video</li> <li>Transcoding</li> </ul>	Output bucket	Select Bucket
• Watermark	Output Directory	Must start and end with a slash (A). If you do not specify this, the output directory will be the same as the trigger directory
Screenshot	Franklander	
<ul> <li>Content</li> <li>Discovery</li> </ul>	Actions	
• Moderation		▶ Input
<ul> <li>Audio/Video</li> <li>Enhancement</li> </ul>		
입 Resource Packs		
General Settings ^		
Authorization	Create	Cancel



Content discovery		
Content discovery temp	plate	
Template Type	Content Analysis O Content reco	gı
Content discovery template	10103-ChineseTo Chinese-Englis	
Save Cancel		

#### 系统预置模板及能力如下表所示:

模板ID	模板能力
10101	中文识别模板
10102	英文识别模板
10103	中文->中英翻译模板
10104	英文->中英翻译模板

#### 说明:

如需其他模板,请提交工单让后台配置。

2. 启用编排(启用后需等待5分钟生效后上传文件触发),往编排触发目录上传文件。





3. 任务处理完后会在编排输出目录自动生成 VTT 字幕文件。

4.



Media Processing Service	Buckets	
🔡 Overview	Source buckets	Output bucket
Tasks	Output bucket / pa	addyyuan-1306038592 / output /
🕚 Usage Statistics		
😪 Workflows 🛛 ^	Upload	New folder
Schemes	File name 🗘	
Buckets	2460002216 v#t	
ि Templates ^		
<ul> <li>Audio/Video Transcoding</li> </ul>	Total items: 1	
• Watermark		

英文字幕样例:

🔗 腾讯云

```
1
   WEBVTT
 2
 3
   00:01.740 --> 00:02.700
 4
   MO.
 5
   00:12.890 --> 00:17.329
 6
 7
   One day in eighteen nineteen three thousand miles off the coast of
 8
   00:17.329 --> 00:20.180
 9
10
    in one of the most remote regions of the Pacific ocean,
11
12
   00:20.180 --> 00:24.350
13
   twenty American sailors watched their ship flood with seawater.
14
15
   00:24.920 --> 00:26.360
16
   They've been struck by a sperm whale,
17
   00:26.360 --> 00:28.790
18
19
   which had brought a catastrophic hole in the ship's hull.
20
   00:29.809 --> 00:31.849
21
22
   As their ship began to sink beneath the swells,
23
24
   00:31.849 --> 00:35.599
25
    the men huddled together in three small whale boats.
26
27
   00:36.180 --> 00:36.779
28 These men were 10,
29
   00:36.779 --> 00:38.310
30
31
   000 miles from home,
32
33
   00:38.310 --> 00:41.250
34
   more than a thousand miles from the nearest graph of land.
35
   00:42.360 --> 00:43.170
36
37
   In their small boats,
38
39
   00:43.170 --> 00:48.120
40
    they carried only rudimentary navigational equipment and limited :
```

中英字幕样例:



1 WEBVTT 3 00:00.000 --> 00:23.795 4 中国共产党第19次全国代表大会主席团22号晚和23号上午在人民大会堂举行第三次和第四次会议。通过19届中 The presidium of Communist Party of China's 19th National Congress held its third and fourth me 5 6 7 00:25.110 --> 00:27.165 习近平同志主持会议。 8 Q Comrade Xi Jinping presided over the meeting. 10 11 00:28.549 --> 00:43.720 会议通过了经各代表团差额预选产生的19届中央委员会委员、候补委员和中央纪律检查委员会委员候选人名单 13 The meeting adopted the draft list of candidates for members of the 19th CPC Central Committee, 1415 00:45.630 --> 01:04.694 16 据了解,从10月21号开始,各代表团对18届中央政治局提出并经大会主席团通过的19届中央委员会委员、候补 17 It is understood that since October 21, delegations have seriously deliberated the preliminary 19 01:05.989 --> 01:30.449 20 代表们认为,这个名单是经过严密的组织程序,充分发扬党内民主产生的,集中了各地区、各部门、各条战结 21 The deputies believe that this list has gone through strict organizational procedures, fully de 22 23 01:31.910 --> 02:02.200 24 10月22号下午和23号上午,大会举行各代表团全体会议,先后对中央委员、中央纪委委员和候补中央委员进行 25 On the afternoon of 22 October and the morning of 23 October, the Congress held plenary meeting. 26 27 02:02.360 --> 02:23.455 28 进行预选,结果合法有效。根据大会选举办法规定和日程安排,23号下午大会举行各代表团分组会议,酝酿主 29 Carry on the pre-selection, the result is legal and valid. In accordance with the provisions of 31 02:24.339 --> 02:28.360 32 24号上午,大会将举行正式选举。 33 On the morning of the 24th, the Congress will hold a formal election.

二、API 接口调用

1. 输入+ 编排 ID 发起任务,查看接口信息。

示例:





```
{
    "InputInfo": {
        "Type": "COS",
        "CosInputInfo": {
            "Bucket": "facedetectioncos-1251132611",
            "Region": "ap-guangzhou",
            "Object": "/video/123.mp4"
        }
    },
    "ScheduleId": 20073,
    "Action": "ProcessMedia",
```



```
"Version": "2019-06-12"
}
```

2. 如果有设置回调地址,回包参考文档:解析事件通知。

#### 三、压制到视频(可选)

需要 发起转码任务 并通过 Subtitle Template 字段指定 步骤一或者步骤二生成的字幕 vtt 文件,详细参考 数据结构说明。

示例:





```
"MediaProcessTask": {
    "TranscodeTaskSet": [
        {
            "Definition": 206390,
            "OverrideParameter": {
                "Container": "mp4",
                "RemoveVideo": 0,
                "RemoveAudio": 0,
                "VideoTemplate": {
                    "Codec": "libx264",
                    "Fps": 30,
                    "Bitrate": 2346,
                    "ResolutionAdaptive": "close",
                    "Width": 1920,
                    "Height": 0,
                    "Gop": 0,
                    "FillType": "black"
                },
                "AudioTemplate": {
                    "Codec": "libmp3lame",
                    "Bitrate": 0,
                    "SampleRate": 32000,
                    "AudioChannel": 2
                },
                "SubtitleTemplate": {
                    "Path": "https://lily-1256342427.cos.ap-nanjing.myqcloud.co
                    "StreamIndex": 2,
                    "FontType": "simkai.ttf",
                    "FontSize": "10px",
                    "FontColor": "OxFFFFFF",
                    "FontAlpha": 0.9
                }
            }
       }
   ]
},
"InputInfo": {
   "Type": "URL",
    "UrlInputInfo": {
        "Url": "https://lily-1256342427.cos.ap-nanjing.myqcloud.com/mps_autotes
    }
},
"OutputStorage": {
    "Type": "COS",
    "CosOutputStorage": {
        "Bucket": "lily-1256342427",
        "Region": "ap-nanjing"
```



```
}
}
"OutputDir": "/mps_autotest/output2/",
"Action": "ProcessMedia",
"Version": "2019-06-12"
}
```

## 场景二:直播流

#### 一、实时回调文本

1. API 发起任务:使用字幕预设模板发起识别任务,参考文档 对直播流发起处理。 示例:







```
{
    "Url": "http://5000-wenzhen.liveplay.myqcloud.com/live/123.flv",
    "AiRecognitionTask": {
        "Definition": 10101
    },
    "OutputStorage": {
          "CosOutputStorage": {
              "Bucket": "6c0f30dfvodgzp251000800-10022853",
              "Region": "ap-guangzhou-2"
          },
          "Type": "COS"
```



```
},
"OutputDir": "/6c0f30dfvodgzp251000800/0d1409d34565514956657373652/",
"TaskNotifyConfig": {
    "NotifyType": "URL",
    "NotifyUrl": "http://xxxx.qq.com/callback/qtatest/?token=xxxxxx"
},
"Action": "ProcessLiveStream",
"Version": "2019-06-12"
```

2. 实时回调包体请参考文档:解析直播流处理结果。

#### 二、压制到流里面

}

1. 开通 云直播 和 媒体处理。

2. 提工单后台开启云直播字幕功能。

3. 原有推流、拉流逻辑不变,在原有拉流地址的基础上添加语种后缀即可拉到带字幕的流进行分发。

比如推流流ID:5000\_test 普通流(没字幕) http://5000.liveplay.myqcloud.com/live/5000\_test.flv 中文转-中文字幕 http://5000.liveplay.myqcloud.com/live/5000\_test\_**chs2chs.**flv 中文转-中英字幕 http://5000.liveplay.myqcloud.com/live/5000\_test\_**chs2eng.**flv 英文转-英文字幕 http://5000.liveplay.myqcloud.com/live/5000\_test\_**eng2eng.**flv 英文转-中英字幕

其他语种暂时需要 提工单 后台配置。



# AWS 对接 MPS

最近更新时间:2023-04-14 15:32:33

#### 1. 创建 S3 输入/输出的 bucket

#### 1.1 单击 Create bucket。

aws Services	<b>Q</b> Search	[Option+S]	
Amazon S3	×	Amazon S3 > Buckets	
Buckets Access Points		► Account snapshot Storage lens provides visibility into storage usage and activity trends. Learn more [2]	
Object Lambda Access F Multi-Region Access Poi	Points	Budiate (7)	a Conv AD
Batch Operations		Buckets (7) into Buckets are containers for data stored in S3. Learn more 12	Сору АК

#### 1.2 输入 bucket name 并选择资源所属地区。

填入bucket name, 并选择 bucket 所属的 region, 此处以 singapore 为例。



#### 1.3 单击 Create bucket 完成创建。

1.4 (可选)重复上述步骤创建一个用于放置转码输出的 bucket。

#### 说明:

可以创建个新的 Bucket,也可以将转码文件放到输入桶的新目录。



del Info		
Objects Properties Permissions Metrics Management Access Points		
Objects (3)		
Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory 12 to get a list of all objects.         C       C Copy S3 URI         C       C Copy S3 URI         C       Find objects by prefix	in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more 🗹	
Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory 🕻 to get a list of all objects         C       C copy S3 URI       Copy URL       Download       Open [2]       Delete         Q. Find objects by prefix       Image: Copy S3 URI Copy S3 URI Copy URL       Download       Open [2]       Delete         Name       A	in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more 🖓 Actions V Create folder 🔐 Upload	
Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory 🕻 to get a list of all objects         C       Copy S3 URI         C Find objects by prefix         Name         Image: Input/	in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more 🖓 Actions V Create folder 🔐 Upload Type V Last modified Folder -	
Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory 🕻 to get a list of all objects         C       Copy S3 URI       Copy URL       Download       Open I       Delete         Q. Find objects by prefix       Image: Copy URL       Download       Open I       Delete         Image: Image: Copy URL       Image: Copy URL <th>in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more Actions ▼ Create folder</th> <th></th>	in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more Actions ▼ Create folder	
Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory 🗹 to get a list of all objects in the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory 🗹 to get a list of all objects in the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory 🗹 to get a list of all objects in the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory 🗹 to get a list of all objects in the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory 🗹 to get a list of all objects in the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory 🗹 to get a list of all objects in the fundamental entities stored in the fundamental entities stored in the fundamental entities in the fundamental entitie	in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more 🗹 Actions 🔻 Create folder	

#### 2. 创建接收S3通知的SQS

#### 1.1 选择 SQS 资源所在 region。

选择资源 region 为 singapore(ap-southeast-1 )

aws	S		Services	Q Se	earch					[Opt	ion+S]						
≡		Ama	zon SQS	> Qu	eues												
		C	)ueue	<b>s</b> (0)											CEdit	Delete	Send and re
			<b>Q</b> Sea	rch queue	s by prefi	ix											
				Name		•	Туре	$\bigtriangledown$	Created		$\bigtriangledown$	Messages avail	lable	$\bigtriangledown$	Messages in flight	$\bigtriangledown$	Encryption
													No	queues			
													No queue	es availabl	e.		
													Creat	e queue			

#### 注意:

此处选择的资源 region 需要和上面 bucket 所在 region 一致,不然 bucket 无法绑定 sqs。

1.2 输入队列名称。



nazon SQS > Queues > Create queue	
reate queue	
Details	
Type Choose the queue type for your application or cloud infrastructure.  (i) You can't change the queue type after you create a queue.	
<ul> <li>Standard Info</li> <li>At-least-once delivery, message ordering isn't preserved</li> <li>At-least once delivery</li> <li>Best-effort ordering</li> </ul>	<ul> <li>FIFO Info</li> <li>First-in-first-out delivery, message ordering</li> <li>First-in-first-out delivery</li> <li>Exactly-once processing</li> </ul>
Name	

#### 1.3 关闭队列加密。

Server-side encryption	ō
O Disabled	
O Enabled	

#### 1.4 修改访问策略

选择 Advanced,在下面文本中填写 SQS(队列)的 ARN,S3的 ARN 以及 Account ID 后,将文本粘贴到访问策略即可(SQS ARN、S3 ARN 以及 Account ID 可以参考补充获取)。





```
{
    "Version": "2012-10-17",
    "Id": "__default_policy_ID",
    "Statement": [
        {
            "Sid": "__owner_statement",
            "Effect": "Allow",
            "Principal": {
              "Service": "s3.amazonaws.com"
        }
    }
}
```



```
},
            "Action": [
                "SQS:SendMessage"
            ],
            "Resource": "队列的ARN",
            "Condition": {
                "ArnLike": {
                    "aws:SourceArn": "S3的ARN"
                },
                "StringEquals": {
                    "aws:SourceAccount": "Account ID"
                }
            }
       }
   ]
}
```

#### 1.5 点击创建队列完成队列创建

#### 3. 创建接收转码信息回调的SQS

说明:

仅 Amazon SQS callback 时需要创建。

#### 1.1 选择 SQS 资源所在 region。

选择资源 region 为 singapore。

aws	Services Q Search	[Option+S]
=	Amazon SQS > Queues	
	<b>Queues</b> (0)	C Edit Delete Send and re
	Q Search queues by prefix	
	Name ▲ Type マ Created	d $\triangledown$ Messages available $\triangledown$ Messages in flight $\triangledown$ Encryption
		No queues
		No queues available. Create queue

#### 注意:

此处选择的资源 region 建议和上面 bucket 所在 region 一致。

1.2 输入队列名称。

🔗 腾讯云	
-------	--

etaits		
pe oose the queue type for your application or cloud i	infrastructure.	
Standard Info     At-least-once delivery, message ordering isn't     At-least once delivery     Best-effort ordering	preserved	FIFO Info     First-in-first-out delivery, message ordering is preserved     First-in-first-out delivery     Exactly-once processing
③ You can't change the queue type after	you create a queue.	
me encent_callback_sqs jueue name is case-sensitive and carr have up to 80	) characters. You can use alphanumeric characters, hyphens (-), and underscores ( _ ).	
encent_callback_sqs ueue name is case-sensitive and can have up to 80 onfiguration t the maximum message size, visibility to other cor	) characters. You can use alphanumeric characters, hyphens (-), and underscores ( _ ).	
me encent_callback_sqs peder name is case-sensitive and can have up to 80 onfiguration t the maximum message size, visibility to other cor sibility timeout Info	) characters. You can use alphanumeric characters, hyphens (-), and underscores ( _ ).	Message retention period info
ime encent_callback_sqs ueue name is case-sensitive and can have up to 80 onfiguration it he maximum message size, visibility to other cor sibility timeout info 30	) characters. You can use alphanumeric characters, hyphens (-), and underscores ().  isumers, and message retention. Info  Seconds	Message retention period info 4 Days
ime encent_callback_sqs pede name is case-sensitive and can have up to 80 onfiguration ithe maximum message size, visibility to other cor sibility timeout info 30 ould be between 0 seconds and 12 hours.	Characters. You can use alphanumeric characters, hyphens (-), and underscores (_).  Isumers, and message retention. Info Seconds	Message retention period Info 4 Days Should be between 1 minute and 14 days.
Interest in the second	D characters. You can use alphanumeric characters, hyphens (-), and underscores ().         nsumers, and message retention. Info         Seconds	Message retention period info 4 Days Should be between 1 minute and 14 days. Maximum message size info
Interent_callback_sqs profiguration the maximum message size, visibility to other cor sibility timeout info 30 outd be between 0 seconds and 12 hours. tilvery delay info 0	Characters. You can use alphanumeric characters, hyphens (-), and underscores ( _ ).  Isumers, and message retention. Info  Seconds  Seconds  Seconds	Message retention period Info 4 Days Should be between 1 minute and 14 days. Maximum message size Info 256 KB

#### 1.3 关闭队列加密。

▼ Encryption Amazon SQS provides in-transit enc	ryption by default. To add at-rest encryption to your queue, enable server-side encryption. Info
Server-side encryption <ul> <li>Disabled</li> <li>Enabled</li> </ul>	

#### 1.4 点击创建队列完成队列创建。

## 4. 绑定 S3 输入的 bucket 和接收通知的 SQS

#### 1.1 找到已创建的输入 bucket。

回到 S3 页面中并找到刚才创建的 bucket 单击名称进入。



Amazon S3 ×	Amazon S3 > Buckets		
Buckets Access Points	Account snapshot     Storage lens provides visibilit	ry into storage usage and activity trends. Learn more 🔀	
Object Lambda Access Points Multi-Region Access Points Batch Operations	Buckets (8) Info Buckets are containers for data st	tored in S3. Learn more 🔀	C
Access analyzer for S3	Q Find buckets by name		
Block Public Access settings for this account	Name	AWS Region Asia Pacific (Singapore) ap-southeast-1	✓ Access
Storage Lens	0	Asia Pacific (Singapore) ap-southeast-1	Bucket and objects not public
Dashboards		Asia Pacific (Singapore) ap-southeast-1	Bucket and objects not public
AWS Organizations settings	0	Asia Pacific (Singapore) ap-southeast-1	Bucket and objects not public
	0	Asia Pacific (Singapore) ap-southeast-1	Bucket and objects not public
Feature spotlight 3	0	Asia Pacific (Singapore) ap-southeast-1	Bucket and objects not public
	tencentbucket	Asia Pacific (Singapore) ap-southeast-1	Bucket and objects not public
AWS Marketplace for S3	0	Asia Pacific (Singapore) ap-southeast-1	Bucket and objects not public

## 1.2 将输入 bucket 绑定 sqs。

1.2.1 进入 bucket 后选择 properties。

encentbucket Info							
Objects         Properties         Permissions         Metrics         Management         Access Points							
Bucket overview							
AWS Region	Amazon Resource Name (ARN)	Creation date					
Asia Pacific (Singapore) ap-southeast-1	arn:aws:s3:::tencentbucket	January 5, 2023, 14:3					
Bucket Versioning Versioning is a means of keeping multiple variants of an object in the both unintended user actions and application failures. Learn more Edit	e same bucket. You can use versioning to preserve, retrieve, and restore every v	ersion of every object stored in your Amazon S					
Bucket Versioning Versioning is a means of keeping multiple variants of an object in the both unintended user actions and application failures. Learn more Edit Bucket Versioning Disabled	e same bucket. You can use versioning to preserve, retrieve, and restore every v	ersion of every object stored in your Amazon					



1.2.2 向下滑动页面到 Event notifications, 单击 create event notification 创建事件通知。

nd a notification wh	ien specific events occur in your bucket. Learn more 🔀		
Name	Event types	Filters	Destination
		No event notifications	
	Choose	Create event notification to be notified when a specific event occurs.	
		Create event notification	

1.2.3 创建事件,填入事件名称。

General conf	iguration	
Event name		ו
tencent_event		
)rofix ontional		
Prefix - optional imit the notificatio images/	ns to objects with key starting with specified characters.	
Prefix - optional imit the notificatio images/ Suffix - optional imit the notificatio	ns to objects with key starting with specified characters.	

1.2.4 勾选 Event types 中 "All object create events"。



#### **Event types**

Specify at least one event for which you want to receive notifications. For each group, you can choose an event type for all events, or you can choose one or more individual events.

Object creation	
<ul> <li>All object create events s3:ObjectCreated:*</li> </ul>	Put s3:ObjectCreated:Put
	Post s3:ObjectCreated:Post
	Copy s3:ObjectCreated:Copy
	Multipart upload completed s3:ObjectCreated:CompleteMultipartUpload
Object removal	
All object removal events s3:ObjectRemoved:*	Permanently deleted s3:ObjectRemoved:Delete
	Delete marker created s3:ObjectRemoved:DeleteMarkerCreated
Object restore	
All restore object events s3:ObjectRestore:*	Restore initiated s3:ObjectRestore:Post
	Restore completed s3:ObjectRestore:Completed
	Restored object expired s3:ObjectRestore:Delete
Object ACL	
Object ACL events s3:ObjectAcl:Put	

1.2.5 选择 destination 为 "sqs queue",并在下方选择您刚才创建的接收 S3 通知的 SQS,选择好后单击保存。



Destination	
<ul> <li>Before Amazon S3 can publish messages to a destination, you must grant the Amazon S3 principal the necessary permissions to call the relevant API to publish messages to an SNS topic, an SQS queue, or Lambda function. Learn more </li> </ul>	e a
<ul> <li>Destination</li> <li>Choose a destination to publish the event. Learn more </li> <li>△ Lambda function</li> <li>Run a Lambda function script based on S3 events.</li> </ul>	
<ul> <li>SNS topic</li> <li>Fanout messages to systems for parallel processing or directly to people.</li> </ul>	
SQS queue Send notifications to an SQS queue to be read by a server.	
Specify SQS queue	
<ul> <li>Enter SQS queue ARN</li> </ul>	
SQS queue	
tencent_queue	
_ Q	
tencent_queue Cancel Sav	ve ch

1.2.6 此时可以看一下 sqs queue 是否有绑定事件通知,有则说明绑定成功,即 Messages available 的值由0变为1。

Queu	ueues (1)					C	Edit Delete		Send and rec	
Q Search queues by prefix										
	Name 🔺	Туре	$\nabla$	Created	~	Messages available	~	Messages in flight	$\nabla$	Encryptio
0	tencent_queue	Standard		2023年1月05日 GMT+8 14:54:31		1		0		Disabled

## 5. 创建子用户并授予操作权限

#### 5.1 创建 policy

1.1.1 进入 Identity and Access Management (IAM)界面单击 Policies, 再单击 create policy。

	Polic A polic	cies (1033) Info cy is an object in AWS that defines permissions.				
Q Search IAM	QI	Filter policies by property or policy name and press enter.				<
Dashboard						
Access management		Policy name	$\bigtriangledown$	Туре 🗢	Used as 🗢	Descript
User groups		AWSLambdaBasicExecutionRole-97aac158-b88	c-4833-8c93-f49b2c0a1951	Customer managed	None	
Users		AWSLambdaBasicExecutionRole-f3d617e0-661	7-4395-b4ab-1842a6136b	Customer managed	None	
Roles		AWSLambdaEdgeExecutionRole-fc574814-f9db	-4f79-aabc-2b7c3a57dd7e	Customer managed	Permissions policy	
Identity providers		CloudFrontBealtimeLogConfigBole-stream1 arv	Zap	Customer managed	Permissions policy	
Account settings		CloudErontBealtimeLogConfigBole-stream arvz	 3D	Customer managed	Permissions policy	
Access reports		KinesisEirehoseServicePolicy-KDS-S3-swOOW-	an-southeast-1	Customer managed	Permissions policy	
Access analyzer			ap-southeast-1	Oustomer managed	Termissions policy	
Archive rules		KinesisFirehoseServicePolicy-KDS-S3-Yg9JB-a	o-southeast-1	Customer managed	Permissions policy	
Analyzers		tencent_policy		Customer managed	None	
Settings		AWSDirectConnectReadOnlyAccess		AWS managed	None	Provides
Credential report		AmazonGlacierReadOnlyAccess		AWS managed	None	Provides
Service control policies (SCPs)		AWSMarketplaceFullAccess		AWS managed	None	Provides
				AWS managed	None	Policy to
Related consoles				AWS managod	Nono	Administ
IAM Identity Center 🗹 New				Aws managed	None	Auminisu
		AWSIoT1ClickReadOnlyAccess		AWS managed	None	Provides

1.1.2 选择 json 模式,根据您所选择的回调方式选择对应的 policy 配置,并将 sqs 的 arn 和 s3 bucket 的 arn 填入 json 中单击两次 next。

回调方式为 Amazon SQS callback 时的 policy 配置

回调方式为 HTTP callback 时的 policy 配置



3 -	"Statem	ent": [
4 -	ſ	
5	, r	"Sid": "VisualEditor0".
6		"Effect": "Allow"
		"Action":
0		
0		sqs.betetemessage,
9		
0		sq:tetueeuri,
1		sqs:kecetvemessage",
2		ss:uetubjectAttributes",
3		sqs: GetQueueAttributes",
4		"sqs:ListQueueTags"
5		, ,
6 -		"Resource": [
7		· · · · · · · · · · · · · · · · · · ·
8		
9		]
0	},	
1 -	{	
2		"Sid": "VisualEditor1",
3		"Effect": "Allow",
4 -		"Action": [
5		"s3:PutObject",
6		"sqs:GetQueueUrl",
7		"sqs:SendMessage"
8		],
9 -		"Resource": [
0		
1		
2		
3	}	
4	]	
5 }		





```
{
    "Version": "2012-10-17",
    "Statement": [
        {
          "Sid": "VisualEditor0",
          "Effect": "Allow",
          "Action": [
          "sqs:DeleteMessage",
          "s3:GetObject",
          "s3:GetObject",
          "satematical structures and struc
```



}

```
"sqs:GetQueueUrl",
            "sqs:ReceiveMessage",
            "s3:GetObjectAttributes",
            "sqs:GetQueueAttributes",
            "sqs:ListQueueTags"
        ],
        "Resource": [
            "sqs监听s3的queue的arn",
            "s3输入bucket的arn + /*"
        1
    },
    {
        "Sid": "VisualEditor1",
        "Effect": "Allow",
        "Action": [
            "s3:PutObject",
            "sqs:GetQueueUrl",
            "sqs:SendMessage"
        ],
        "Resource": [
            "转码信息回调的sqs queue的arn",
            "s3输出bucket的arn + /*"
        ]
    }
]
```









```
{
    "Version": "2012-10-17",
    "Statement": [
        {
          "Sid": "VisualEditor0",
          "Effect": "Allow",
          "Action": [
          "sqs:DeleteMessage",
          "s3:GetObject",
          "s3:GetObject",
          "s3:GetObject",
          "satematical structures and structure
```



```
"sqs:GetQueueUrl",
                "sqs:ReceiveMessage",
                "s3:GetObjectAttributes",
                "sqs:GetQueueAttributes",
                "sqs:ListQueueTags"
            ],
            "Resource": [
                "sqs监听s3的queue的arn",
                "s3输入bucket的arn + /*"
            1
        },
        {
            "Sid": "VisualEditor1",
            "Effect": "Allow",
            "Action": [
                "s3:PutObject"
            ],
            "Resource": [
                "s3输出bucket的arn + /*"
            1
        }
    ]
}
```

#### 注意:

json 中 Resource 中的 s3 bucket 的 arn 需要连接上/\*填入,例如 s3 bucket 的 arn 为 arn:aws:s3:::tencentbucket,则 填入的应为 arn:aws:s3:::tencentbucket/\*。

1.1.3 输入 policy name 后单击 create policy 完成创建。



view policy				
Name*	tencent_policy			
	Use alphanumeric and '+=	=,.@' characters. Maximum 128 characters.		
Description				
	Maximum 1000 character	rs. Use alphanumeric and '+=,.@' characters.		
Summary	Q Filter			
	Service -	Access level	Resource	Reques
	Allow (2 of 357 ser	vices) Show remaining 355		
	S3	Limited: Read	BucketName   string like   tencentbucket, ObjectPath   string lik   All	None e
	SQS	Limited: Read	QueueName   string like   tencent_queue	None
Tans				
1495	Key		Value	
		No	tags associated with the resource.	
red			Can	Dr

#### 5.2 创建用户

1.1.1 进入 Identity and Access Management (IAM)界面单击 User, 再单击 Add users 添加用户。

Identity and Access Management (IAM)	×	Introducing the new Users list experimentary     We've redesigned the Users list experimentary	<b>ience</b> ence to make it easier to use. <u>Let us knc</u>	ow what you think.		
Q. Search IAM Dashboard • Access management User groups		IAM > Users Users (2) Info An IAM user is an identity with long- Q. Find users by username or acc	-term credentials that is used to interact	with AWS in an account.		
Users		User name			∽ MFA	▽ Passv
Roles					None	None
Identity providers Account settings					None	None

## 1.1.2 输入用户名,单击右下角 next。



User name  tencent_test_use1 The user name can have up to 64 characters. A+2, 0+2, 0+3, and + = ,@ (hyphen)  Provide user access to the AWS Management Console - <i>optional</i> If you're providing console access to a person, it's a best practice C to manage their access in IAM Identity Center.  () If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. Learn more C	,				
Jser name         tencent_test_use1         the user name can have up to 64 characters: Valid characters: A-Z, a-Z, 0-9, and += , . @ (hyphen)         Provide user access to the AWS Management Console - optional if you're providing console access to a person, it's a best practice [2] to manage their access in IAM identity Center.         If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. Learn more [2]	ser details				
tencent_test_use1         he user name can have up to 64 characters: Valid characters: A-Z, a-Z, 0-9, and + = , . @ (hyphen)         ] Provide user access to the AWS Management Console - optional If you're providing console access to a person, it's a best practice [2] to manage their access in IAM Identity Center.         ①       O If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. Learn more [2]	er name				
the user name can have up to 64 characters: Valid characters: A-Z, a-Z, 0-9, and + = , . @ (hyphen) Provide user access to the AWS Management Console - optional if you're providing console access to the AWS Management Console - optional if you're providing console access to a person, it's a best practice [2] to manage their access in IAM identity Center.  If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. Learn more [2]	encent_test_use1				
Provide user access to the AWS Management Console - optional If you're providing console access to a person, it's a best practice 2 to manage their access in IAM Identity Center.  If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. Learn more 2	e user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, an	· = , . @ (hyphen)			
If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. Learn more 🗹	Provide user access to the AWS Management Console - optional If you're providing console access to a person, it's a best practice 🕻 to ma	ge their access in IAM Identity Center.			
	If you are creating programmatic access through access keys	r service-specific credentials for AWS CodeCommit or	Amazon Keyspaces, you can generate them aft	er you create this IAM user. Learn more 🗹	

单击 Attach existing policies directly 选项,在搜索栏中填入刚才创建的 policy name 搜索到 policy 并勾选上。 单击 **next > create user** 即可完成用户创建。

1.1.3 创建完用户后,单击用户名。

Management (IAM)	We ve redesigned the Users list e	experience to make it easier to use. Let us know what yo	<u>a think</u> .						
	User created successfully								
O Seamb /AM	You can view and download the u	iser's password and email instructions for signing in to th	e AWS Management Console.						
Dachbeard									
Dasibbaid	IAM > Users								
<ul> <li>Access management</li> </ul>	Henre (4)								
User groups	An IAM user is an identity with	long-term credentials that is used to interact with AWS in	an account.						
Users									
Roles	Q. Find users by username	or access key							
Policies	liser name	~	Groups	$\nabla$	Last activity	~	MEA		Password are
Identity providers	Cash humo		oroups		Last dourny			· · · ·	r ussword uge
Account settings			None		📀 6 days ago		None		None
Access reports			None		8 minutes ago		None		None
Access analyzer			None		😒 62 days ago		None		None
Archive rules		1	News		NI		Maria		Maria
Analyzers	1 snotify-test		None		Never		None		None
Settings	N 1								
Credential report									
Organization activity									
Service control policies (SCPs)									
Related consoles									
IAM Identity Center 🗹 New									
AWS Organizations [2]									

1.1.4 单击 Security credentials > Access keys > Create access key。



IAM > Users > tf1-sqsnotify-test			
tf1-sqsnotify-test			
Summary			
ARN ☐ arn:aws:iam::436808682493:user/tf1-sqsnotify-test	Console access Disabled		Access key 1 Not enabled
Created March 10, 2023, 10:46 (UTC+08:00)	Last console sign-in -		Access key 2 Not enabled
Permissions Groups Tags Security credentials Access Advisor			
Console sign-in			
Console sign-in link D https://436808682493.signin.aws.amazon.com/console		Console password Not enabled	
$\label{eq:multi-factor authentication (MFA)} \ (0) \\ Use MFA to increase the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA defined on the security of the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA defined on the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA defined on the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA defined on the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA defined on the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA defined on the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA defined on the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA defined on the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA defined on the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA defined on the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA defined on the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA defined on the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA defined on the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA defined on the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA defined on the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA defined on the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA defined on the security of your AWS environme$	evice. Each user can have a maximum of 8 MFA devices assigned. L	earn more 🛃	
Device type	Identifier		Created on
	No MFA devices. Assign an MFA device to im	prove the security of your AWS environment	
Access keys (0) Use access keys to send programmatic calls to AWS from the AWS CLI, AWS Tools for PowerShell, AWS SDKs, or direct AWS API of	calls. You can have a maximum of two access keys (active or inacti	re) at a time. Learn more 🎢	
As a best pra	No acc ctice, avoid using long-term credentials like access keys. Create a	ess keys Instead, use tools which provide short term credentials. ccess key	Learn more 🖉

1.1.5 选择 Other, 单击 Next 创建, 保存好 Access key ID 和 Secret access key。





## 补充

Account ID:在页面由上级可以看到。

aWS     III Services     Q. Search       Image: Services     Image: Services     Image: Services       Image: Ser	(	Option+S]		
Co	nsole Home Info			Reset to default layo
	Recently visited Info		:	II Welcome to AW
5 	MediaLive MediaConnect	ତ S3 IAM		Getting starte Learn the funda information to
(4) (4) (4)	<ul> <li>CloudWatch</li> <li>MediaPackage</li> <li>Simple Queue Service</li> </ul>	<ul><li>Kinesis</li><li>Certificate Manager</li></ul>		Training and (
ii C	AWS Billing Conductor       CloudFront			What's new w Discover new A' Regions.
	View	all services		



S3 ARN:进入 bucket 页面单击 properties 即可看见。

Creation da January 5,

SQS ARN: 创建 SQS 页面, 单击 Access policy > Advanced > Resource。



Amazon SOS > Dueses > Create duese				
Croate queue				
create queue				
Details				
betard.				
Type Choose the summe type for your application or cloud infrastructure.				
<ul> <li>Standard info At least new delivery memory ordering intit research</li> </ul>			FIFO Info     Excitate first out delivery memory ordering is preserved	
At-least once delivery			Tint-in-finit-out delivery	
Best-effort ordering			Exactly-once processing	
④ You can't change the queue type after you create a queue.				
Name				
tflinput				
A queue name is case-sensitive and can have up to 80 characters. You can use alphanumeric characters, hyphens (-), and r	underscores ( _ ).			
Configuration				
Set the maximum message size, visibility to other consumers, and message retention. Meto				
Visibility timeout mfo			Message retention period w/o	
30	Seconds	v	4	Days
Should be between 0 seconds and 12 hours.			Should be between 1 minute and 14 days.	
Delivery delay tafa			Maximum messane size tofa	
0	Seconds	Ŧ	256	КВ
Should be between 0 seconds and 15 minutes.			Should be between 1 KB and 256 KB.	
Receive message wait time Info				
0	Seconds			
Should be between 0 and 20 seconds.				
▼ Encryption				
Amazon SQS provides in-transit encryption by default. To add at-rest encryption to your queue, enable server-side en	ncryption. Info			
form the encoder				
<ul> <li>Disabled</li> </ul>				
Enabled				
Encryption key type				
<ul> <li>Amazon SQS key (SSE-SQS) An encryption key that Amazon SQS creates, manages, and uses for you.</li> </ul>				
AWS Key Management Service key (SSE-KMS)				
An encryption key protected by AWS Key Management Service (AWS KHS).				
Access policy				
Denne who can access your queue. Into				
Choose method				
Basic			Advanced	
Use simple criteria to define a basic access policy.			Use a JSON object to define an advanced access policy.	
1 {				
<pre>2 'td': 'default_policy_ID',</pre>				
4 [Statement]: [ 5 (				
6 [Sid]: [_owner_statement], 7 [Second]: [Sit]_7				
8 "Principal": (				
9 "AX8": "436800682493" 10 ),				
11 "Action": [ 12 "ent-a"				
24 Resource : 'r				
Policy generator 🛃				
Redrive allow policy - Optional				
Identify which source queues can use this queue as the dead-letter queue. Info				
Dead-letter queue - Optional				
Send undeliverable messages to a dead-letter queue. Info				
Tags - Optional				
A tag is a label assigned to an AWS resource. Use tags to search and filter your resources or track your AWS costs. L03	im more 🖸			
InvalidParameterValue: Value ("Version": "2012-10-17", "Id": "default, policy, ID", "Statement": [ [	["Sid": "owner_statement", "Effect": "Allow", "Principal": [ "Service": "s3.amazonaws.com" ], "Action": [ '	SQS:SendMessage" ], "Resource": "訪凌波的ARN", "Condition": ( "AmLike": ( "aws:Sourc	:eArm*: "am:aws:s3:::tf1de1" ), "StringEquals": ( "aws:SourceAccount": "436808682493" ) ) ] ] for para	neter Policy is invalid. Reason: Non-ASCII charac
			· · · · · · · · · · · · · · · · · · ·	

腾讯云官网中填写 region 查找:进入 S3 页面 找到您创建的 aws s3 资源,其 AWS Region 中的后半部分即为填写的 region(注意移除空格),如下图所示tencentbucket 的 region 为 ap-southeast-1。



#### Amazon S3 > Buckets

#### Account snapshot

Storage lens provides visibility into storage usage and activity trends. Learn more 🔀

<b>Q</b> Find buckets by name				
Name	AWS Region	▽	Access	$\nabla$
0	Asia Pacific (Singapore) ap-southeast-1		Bucket and objects not public	
0	Asia Pacific (Singapore) ap-southeast-1		A Public	
	EU (Paris) eu-west-3		Bucket and objects not public	
	Asia Pacific (Singapore) ap-southeast-1		Bucket and objects not public	
0	Asia Pacific (Singapore) ap-southeast-1		Bucket and objects not public	
0	Asia Pacific (Singapore) ap-southeast-1		Bucket and objects not public	
0	Asia Pacific (Singapore) ap-southeast-1		Bucket and objects not public	
tencentbucket	Asia Pacific (Singapore ap-southeast-1		Bucket and objects not public	
0	EU (Paris) eu-west-3		Bucket and objects not public	
0	Asia Pacific (Singapore) ap-southeast-1		Bucket and objects not public	



# 媒体处理直播流录制

最近更新时间:2023-10-09 12:46:26

您使用媒体处理MPS,可以通过直播流播放地址对直播内容进行录制。

操作步骤:

1. 在直播录制模板页面, 创建直播录制模板。控制台已预先提供一个默认录制模板。

Template name	Enter a template name
	Supports Chinese characters, letters, digits, and
Template Description	Describe the template
	Supports Chinese characters, letters, digits, and
TS segment duration	30 seconds
	Value range: 5–30 seconds
Max recording duration	60 min
	Value range: 10-720 minutes. If this period elapses, a new recording file will be gene

2. 在直播服务编排页面,创建一个直播服务编排。在页面中需要选择 COS 存储的 bucket,并需要为录制的输出结果 编写一个目录。在下方的任务配置流程图中,点击中间加号,添加一个"直播录制"环节。



	Max 128 characters; supports Chinese characters, letters, digits, underscores, an	id hypher
Output bucket	Select region 🔻 Select Bucket 💌	
	You don't have any buckets yet. Please go to the COS console 🗹 to create one.	
Output Directory		
	Must start and end with /	
Enable event		
notifications		
Actions		
	Input	
	Input  Output Live recording	
	Input  Output Live recording	
	Input	
	Input  Output Live recording	
	Input Live recording	

3. 点击刚刚添加的直播录制环节右侧的编辑按钮,为这个环节进行详细配置。



								•	•		•																		•						•	•	•	•	•	•
:	•					Int	out					1	-0	Ę.	•	•	•	1		•		Li	ve	rec	or	din		. ×		•	•	•	•	•	•				0	Dutr
			_			,							1	-					_	_		_											-	-				•	_	Jurch
		÷	•	•	•	•	•	•	•										•		•	•	•	•	•	•		N									•	•	•	•
										-						-		-		-			-				-											•		
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																								-		-														

- 4. 在详细配置中,
- 1) 需要选择录制模板;
- 2) 选择输出 bucket;
- 3) 对输出路径进行编辑。文件的输出路径,可以为相对路径或者绝对路径。默认为相对路径。

Live record	ing	×
Recording te	mplate	
Template Type	Live recording	
Recording temp	late Select	
Recording ou	utput	
Output bucket	You haven't selected a bucket I 🔻	
	If no bucket is selected here, the output bucket specified for the scheme will be used.	
Output Path	{taskId}/{rand}/{streamId}_record_{definition}.m3u8	
	The path of the output file, which can be relative or absolute. The default is the relative path {taskId}/{rand}/{streamId}_record_{definition}.m3u8. For the meaning of each field, see Filename Variable Z.	
Save	Cancel	



#### 注意:

在路径规则中删除{rand}随机数变量可能会导致在其它变量参数相同的情况下,多个结果文件相互覆盖。请谨慎修改。

5. 完成上述信息填写后,单击创建建立一个直播服务编排。

6. 进入直播任务管理页面,创建一个新的任务。输入需要录制的直播流地址,并选择关联之前创建的直播服务编 排。最后,单击**创建任务**。

#### 注意:

在创建直播录制任务时,请保证直播流地址填写正确。拉取直播流失败后,会执行**3**次重试,如仍无法获取直播流, 录制任务将会返回失败。



# 智能擦除能力接入

最近更新时间:2024-01-05 15:16:24

# 常见问题

#### 支持哪些水印?

该服务通过 AI 识别水印后进行檫除。目前,我们支持十多种水印的识别和檫除。对于不在支持范围内的水印,我们 也提供定制化训练服务,但这将单独收取模型训练费用。

#### 没有水印的视频会收费吗?

会收费。因为即使视频没水印,服务也会进行正常分析识别,需要消耗计算资源。

#### 是否支持直播?

目前对外接口仅支持点播文件,若有直播流处理需求,请联系开发人员提供。

# 模板创建

1. 进入媒体处理控制台,依次点击模板管理 > 内容理解模板 > 内容分析模板 > 创建内容分析模板。 2. 在创建内容分析模板界面填写模板名称,并开启智能标签配置,单击创建。



Template name	hinese characters, letters, digits, underscores, hyphens, and dots, with a length of up to 6
Content Analysis Items	
Intelligent labeling	
Intelligent categorization	
Intelligent thumbnail generat	
Frame-specific labeling	
Video segmentation	
Highlights	
Opening/Closing segments	

3. 同步模板 ID 给腾讯云媒体处理的开发人员,他们将配置并启动水印去除功能。



Content discovery template	1		
Content Analysis Template	Content Recognition Template		
Create template			
Template name/ID	Content Analysis Items	Creation time	Update Time
<b>test</b> 51577	Intelligent categorization、Intelligent I	2023-12-14 15:33:54	2023-12-14 15:33:54
22		2023-12-06 20:24:23	2023-12-07 10:31:12
20	Intelligent categorization、Intelligent I	2017-01-01 00:00:00	2021-01-18 11:20:44
10	Intelligent categorization、Intelligent I	2017-01-01 00:00:00	2021-01-18 11:20:44
Total items: 4			

# 任务处理

## 方式一:编排接入(零代码)

#### 1. 创建编排

1.1 进入控制台的 点播服务编排,单击创建点播服务编排,配置触发位置、输出位置,在任务配置中选择添加内容理 解节点。

	Tencent Cloud COS	AWS		
cheme name				
	Max 128 characters; suppo	rts Chinese c	characters, letters, digits, underscores, and hyphens.	
rigger bucket	Select region	•	Select Bucket	
rigger directory				
	Starts and ends with "/". If y	you leave this	is empty, the scheme will be applied to all directories of the bucket.	
Output bucket	Select Bucket	•		
Output Directory				
	Must start and end with a s	lash (/). If you	ou do not specify this, the output directory will be the same as the trigger directory.	
nable event otifications				
)ff-peak ranscoding				
	Currently, off-peak transcoo	ling is only s	supported for audio/video transcoding actions. More will be supported in the future.	
ations				
ctions	input			
cuons			Audio/Video transcoding	
ctions			Audio/Video transcoding Screenshot	
lauons		· · · · · · ·	Audio/Video transcoding Screenshot Content discovery	

1.2 编辑**内容理解**节点。



Actions				 	
			aput	Content disc.	
			iput		
			· · · · · · · · ·		
				 	a a a a
		· · · · ·		 	· · · · · ·
		7			
Create	Cancel				

**1.3** 模板类型选择**内容分析**;内容理解模板处单击**选择。**弹出的模板框选中 模板创建 时的内容分析模板名称,单击确认,最后点击保存,完成配置。



Cloud	Overview Products	<del>*</del> +				
					Content c	liscove
					Content di Template Tyr	scover) e
						overy ten
	Trigger bucket	Select template			Save	Car
	Output book	You can also create a template Z and	I then refresh this list. Content Analysis Items	Creation time	Update Time	Temp
		O test 51577	Intelligent categorization	2023-12-14 15:33:54	2023-12-14 15:33:54	Custo
	Enable event notifications	Presetting-Template22		2023-12-06 20:24:23	2023-12-07 10:31:12	Prese
	transcoding	Presetting Template20	Intelligent categorization	2017-01-01 00:00:00	2021-01-18 11:20:44	Prese
		Presetting Template10	Intelligent categorization	2017-01-01 00:00:00	2021-01-18 11:20:44	Prese
		Total items: 4			10 ▼ / page 🛛 🖛 🖛	1
			Conf	irm Cancel		
		Cancel				

1.4 单击创建完成编排创建。

#### 2. 启用编排

在 点播服务编排管理 列表中, 选中刚创建好的编排, 点击开启按钮。



VOD schemes							
Create VOD scheme							
Scheme name/ID	Scheme type	Trigger bucket	Trigger directory	Creation time			
1010.	Preset			2023-08-04 03:			
Î	Preset		-	2023-08-04 03:			
Total items: 2							

#### 注意:

启用服务编排成功后,需要3~5分钟才会生效。

#### 3. 触发任务

在成功启动编排后,请等待5分钟。然后,将需要去除水印的源视频上传到刚才设置的**触发位置**对应的目录下,系统将自动启动去水印任务。

#### 4. 任务查询

回到控制台 点播任务管理,任务列表中会展示最近的任务。如果任务过多,可以通过**任务类型**选择**内容理解**进行筛 选。

#### 5. 结果视频

当步骤4中任务成功结束后,去完水印的结果视频会存储在步骤1创建编排时配置的输出位置中,可以直接去 COS 对应位置直接查看结果视频。

## 方式二:API 接入

#### 1. 发起任务

配置完模板后,调用 媒体处理接口,选择 AiAnalysisTask 任务,将其 Definition 设置为该**模板 ID**,然后发起任务。



## AiAnalysisTaskInput

Al video intelligent analysis input parameter types

Used by actions: CreateSchedule, CreateWorkflow, DescribeTaskDetail, DescribeWorkflows, ModifySchedule, Parsel ProcessMedia, ResetWorkflow.

Name	Туре	Required	Description
Definition	Integer	Yes	Video content analysis template ID.
ExtendedParameter	String	No	An extended parameter, whose value is a stringfied JSON. Note: This parameter is for customers with special requirement offline. Note: This field may return null, indicating that no valid values

#### 2. 任务查询

使用上一步返回的 Taskld 调用 查询任务详情 接口查询任务处理结果。

#### 3. 任务回调

如果在发起任务接口中,可以通过 **TaskNotifyConfig** 参数设置回调信息。当任务处理完成后,会通过配置的回调 信息回调任务结果。