

Face Fusion API Documentation

1. Create Task

Description

Uploads a source image and target video to create a face fusion task. Returns a unique `output_path` for tracking the task status and downloading the result (output may be a video or image file, depending on the task configuration).

Request URL

代码块

```
1 https://aceswap--facefusion-agent-facefusionagent-index.modal.run
```

Request Method

POST

Request Parameters

Parameter	Type	Required	Description	Example Value
<code>source</code>	File (image)	Yes	Source image file (e.g., 'png', 'jpg', 'jpeg')	<code>@"/path/to/source/image.png"</code>
<code>target</code>	File (video)	Yes	Target video/image file (e.g., 'png', 'jpg', 'jpeg', 'mp4', 'avi', 'mov', 'wmv', 'flv', 'mkv', 'rmvb')	<code>@"/path/to/target/video.mp4"</code>

Request Example (cURL)

代码块

```
1 curl --location 'https://aceswap--facefusion-agent-facefusionagent-
```

```
index.modal.run' \  
2  --form 'source=@" /Users/Movies/a1.png"' \  
3  --form 'target=@" /Users/Movies/video.mp4"'
```

Response Format

Successful Response (200 OK)

代码块

```
1  {  
2    "output_path": "/tmp/tmp4td_48tnr/05d5e9fac1064afca2f49c7279b2d189.mp4"  
3  }
```

- `output_path` : Unique path identifier for the task result. Use this to query the task status.

Example Postman

The screenshot shows a Postman interface for a POST request. The URL is `https://aceswap--facefusion-agent-facefusionagent-index.modal.run`. The request body is set to `form-data` with two fields: `source` (value: `a1.png`) and `target` (value: `下载.mp4`). The response status is `200 OK` with a response time of `5.72 s` and a size of `289 B`. The response body is JSON, showing `"output_path": "/tmp/tmpqy1k8q9/bc2f0878612a421fba2b8b909683ff5c.mp4"`.

Key	Value	Description
<input checked="" type="checkbox"/> source	File <code>a1.png</code>	
<input checked="" type="checkbox"/> target	File <code>下载.mp4</code>	

Body: `{ "output_path": "/tmp/tmpqy1k8q9/bc2f0878612a421fba2b8b909683ff5c.mp4" }`

2. Query Task Result

Description

Queries the status of a face fusion task using the `output_path` returned by the create task endpoint. The response may be a JSON status message (for incomplete/failed tasks) or a binary file (for successful tasks, which could be a **video** or **image** depending on the task output type).

Request URL

代码块

```
1  https://aceswap--facefusion-agent-facefusionagent-download-file.modal.run
```

Request Method

POST

Request Body (JSON)

代码块

```
1  {
2    "output_path": "/tmp/tmpd_48tnr/05d5e9fac1064afca2f49c7279b2d189.mp4"
3  }
```

Parameter	Type	Required	Description
output_path	String	Yes	Path identifier from the create task response

Request Example (cURL)

代码块

```
1  curl --location 'https://aceswap--facefusion-agent-facefusionagent-download-
   file.modal.run' \
2  --header 'Content-Type: application/json' \
3  --data '{
4    "output_path": "/tmp/tmpd_48tnr/05d5e9fac1064afca2f49c7279b2d189.mp4"
5  }'
```

Response Cases

Case 1: Task Status (JSON Responses)

Status Code	Response Body	Description
400 Bad Request	<pre>{"status": "error", "message": "未提供 output_path"}</pre>	output_path is missing in the request.
404 Not Found	<pre>{"status": "error", "message": "未创建相关任 务"}</pre>	The output_path does not correspond to any created task.

202 Accepted	<pre>{ "status": "processing", "message": "任务正在进行中，请稍后再试" }</pre>	Task is still in progress; retry later.
500 Internal Server Error	<pre>{ "status": "error", "message": "文件生成失败" }</pre>	Task failed to generate the output file.

Updated Response Cases (with save logic)

Case 2: Successful File Download

Status Code	Response Type	Description	cURL Save Instruction
200 OK	Binary File (video/image)	Task completed successfully. The response body is the file content.	Use <code>--output "filename.<extension>"</code> to save the file, matching the <code>Content-Type</code> header (e.g., <code>.mp4</code> for video, <code>.png</code> for image).

Successful File Download (with cURL save instruction)

If the task completes successfully, the response will return the generated file (video or image) as binary content. Use `curl` with the `--output` flag to save the file directly:

代码块

```
1 curl --location 'https://aceswap--facefusion-agent-facefusionagent-download-file.modal.run' \
2 --header 'Content-Type: application/json' \
3 --data '{
4   "output_path": "/tmp/tmp4d_48tnr/05d5e9fac1064afca2f49c7279b2d189.mp4"
5 }' \
6 --output "downloaded_result.mp4" # Save as video (adjust extension for images)
```

Response Headers for File Types

The response includes headers to indicate the file type, which determines how to save/handle the file:

- **Video Example:**

代码块

```
1 Content-Type: video/mp4
2 Content-Disposition: attachment; filename="face_fused_video.mp4"
```

- **Image Example:**

代码块

```
1 Content-Type: image/png
2 Content-Disposition: attachment; filename="face_fused_image.png"
```

Updated Usage Workflow

1. Create a Task:

- Upload `source` (image) and `target` (video) to get an `output_path`.

2. Query Status:

- Use `output_path` in the query endpoint. If the response is a JSON status (e.g., `processing`), retry later.

3. Download & Save Result:

- When the response is a binary file (no JSON body), use `curl --output <filename>` to save it. The file type is determined by the `Content-Type` header (e.g., `video/mp4` or `image/png`).

Example for Video Save:

代码块

```
1 curl --location '<QUERY_API_URL>' \
2 --header 'Content-Type: application/json' \
3 --data '{"output_path": "<YOUR_OUTPUT_PATH>"}' \
4 --output "final_result.mp4" # Saves the video as MP4
```

Example for Image Save:

代码块

```
1 curl --location '<QUERY_API_URL>' \
2 --header 'Content-Type: application/json' \
```

```
3 --data '{"output_path": "<YOUR_OUTPUT_PATH>"}' \
4 --output "final_result.png" # Saves the image as PNG
```

Replace `<QUERY_API_URL>` and `<YOUR_OUTPUT_PATH>` with the actual endpoint URL and the `output_path` from the create task response.

Example Postman

The image displays two screenshots of the Postman application, illustrating an API request and its response for a face fusion task.

Top Screenshot (Request):

- Method:** POST
- URL:** `https://aceswap--facefusion-agent-facefusionagent-download-file.modal.run`
- Body:** The request body is a JSON object:

```
{  "output_path": "/tmp/tmpqyilk8q9/bc2f0878612a421fba2b8b909683ff5c.mp4"}
```
- Status:** 200 OK
- Response Body:**

```
{  "status": "processing",  "message": "任务正在进行中, 请稍后再试"}
```

Bottom Screenshot (Response):

- Method:** POST
- URL:** `https://aceswap--facefusion-agent-facefusionagent-download-file.modal.run`
- Body:** The request body is a JSON object:

```
{  "output_path": "/tmp/tmpqyilk8q9/bc2f0878612a421fba2b8b909683ff5c.mp4"}
```
- Status:** 200 OK
- Response:** A video player showing a woman with long dark hair and glasses, wearing a white sweatshirt, standing in front of a white door. The video player controls at the bottom show a duration of 0:00 / 0:27.