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

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

Request Method

`POST`

Request Parameters

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

Request Example (cURL)

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

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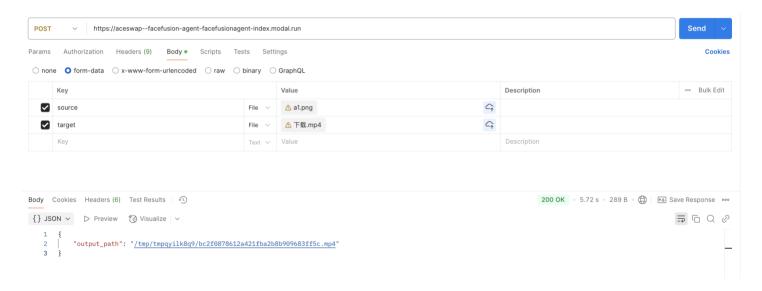
Response Format

Successful Response (`200 OK`)

```
代码块
  1   {
  2       "output_path": "/tmp/tmptd_48tnr/05d5e9fac1064afca2f49c7279b2d189.mp4"
  3   }
```

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

Example Postman

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/tmptd_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/tmptd_48tnr/05d5e9fac1064afca2f49c7279b2d189.mp4"
5   }'
```

Response Cases

Case 1: Task Status (JSON Responses)

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

202 Accepted	{"status": "processing", "message": "任务正在进行中，请稍后再试"}	Task is still in progress; retry later.
500 Internal Server Error	{"status": "error", "message": "文件生成失败"}	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 `--output "filename.<extension>"` to save the file, matching the `Content-Type` header (e.g., `.mp4` for video, `.png` 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/tmptd_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