



Agent Generation API

Early Access: bitHuman Agent Creation Service

Programmatically create interactive avatar agents through our cloud-hosted REST API.



Authentication

Get your API secret from imaginex.bithuman.ai

Base URL

`https://public.api.bithuman.ai`

Endpoints

Generate Agent

POST `/v1/agent/generate`

Create a new interactive avatar agent with customizable parameters.

Headers:

```
Content-Type: application/json
api-secret: YOUR_API_SECRET
```

Request Body:

```
{
  "prompt": "string (optional)",
  "image": "string (optional)",
  "video": "string (optional)",
```

```
"audio": "string (optional)"
}
```

Parameters:

Parameter	Type	Description	Example
prompt	string	Custom system prompt for the agent	"You are a friendly AI assistant"
image	string	Image URL or base64 data	"https://example.com/image.jpg"
video	string	Video URL or base64 data	"https://example.com/video.mp4"
audio	string	Audio URL or base64 data	"https://example.com/audio.mp3"

Response:

```
{
  "success": true,
  "message": "Agent generation started",
  "agent_id": "A91XMB7113",
  "status": "processing"
}
```

Example Request:

```
import requests

url = "https://public.api.bithuman.ai/v1/agent/generate"
headers = {
    "Content-Type": "application/json",
    "api-secret": "YOUR_API_SECRET"
}
payload = {
    "prompt": "You are a professional video content creator who helps with social media content."
}

response = requests.post(url, headers=headers, json=payload)
print(response.json())
```

Example with Media:

```
payload = {
    "prompt": "You are an art critic who analyzes visual artworks.",
    "image": "https://example.com/artwork.jpg"
}

response = requests.post(url, headers=headers, json=payload)
```

Get Agent Status

GET /v1/agent/status/{agent_id}

Retrieve the current status and details of a specific agent.

Headers:

api-secret: YOUR_API_SECRET

Path Parameters:

Parameter	Type	Description
-----------	------	-------------

<code>agent_id</code>	string	The unique identifier of the agent
-----------------------	--------	------------------------------------

Response:

```
{
  "success": true,
  "data": {
    "agent_id": "agent id",
    "event_type": "lip_created",
    "status": "ready",
    "error_message": null,
    "created_at": "2025-08-01T13:58:51.907177+00:00",
    "updated_at": "2025-08-01T09:59:15.159901+00:00",
    "system_prompt": "your agent prompt",
    "image_url": "your_image_url",
    "video_url": "your_video_url",
    "name": "agent name",
    "model_url": "your model url"
  }
}
```

Status Values:

- `processing` - Agent is currently being generated
- `ready` - Agent generation completed successfully
- `failed` - Agent generation failed

Example Request:

```
import requests

agent_id = "A81FMS8296"
url = f"https://public.api.bithuman.ai/v1/agent/status/{agent_id}"
headers = {
    "api-secret": "YOUR_API_SECRET"
}

response = requests.get(url, headers=headers)
print(response.json())
```

Complete Example:

```
import requests
import time

# Step 1: Create agent
generate_url = "https://public.api.bithuman.ai/v1/agent/generate"
headers = {
    "Content-Type": "application/json",
    "api-secret": "YOUR_API_SECRET"
}

payload = {
    "prompt": "You are a friendly AI assistant that helps with creative writing."
}

# Generate agent
response = requests.post(generate_url, headers=headers, json=payload)
result = response.json()
agent_id = result["agent_id"]

print(f"Agent created: {agent_id}")

# Step 2: Poll for completion
status_url = f"https://public.api.bithuman.ai/v1/agent/status/{agent_id}"
status_headers = {"api-secret": "YOUR_API_SECRET"}

while True:
    status_response = requests.get(status_url, headers=status_headers)
    status_data = status_response.json()
    status = status_data["data"]["status"]

    if status == "ready":
        print(f"Agent ready: {status_data['data']['model_url']}")
        break
    elif status == "failed":
        print("Generation failed")
        break

    time.sleep(5) # Wait 5 seconds before checking again
```

Error Handling

Common HTTP Status Codes:

- 200 - Success
- 400 - Bad Request (invalid parameters)
- 401 - Unauthorized (invalid API secret)
- 429 - Rate Limit Exceeded
- 500 - Internal Server Error

Error Response Format:

```
{  
  "error": "Invalid API secret",  
  "code": "UNAUTHORIZED",  
  "details": "Please check your API secret from imaginex.bithuman.ai"  
}
```

