**Kling AI」NEW API Specification**

The new system is now officially live and currently available for early access by new users (those who have not made any API purchases before the launch). Existing users (those who made API purchases prior to the launch) are expected to gain full access in June, at which time a credit migration tool will also be provided to help you transfer your remaining units from the original system to the new one.The user manual for the new system is available at: [【Kling AI】User Manual for API’s New System](https://docs.qingque.cn/d/home/eZQDnGuW0uWlX11o-32_v3Obd?identityId=1oEG9JKKMFv)**Notice**: The API endpoint for the new system has been updated from **https://api.klingai.com** to **https://api-singapore.klingai.com**.

|  |  |
| --- | --- |
| **Update Time** | **Update Notes** |
| 2025.5.13 | [**【Image Generation】Support V2.0 model**](https://docs.qingque.cn/d/home/eZQDkhg4h2Qg8SEVSUTBdzYeY?identityId=1oEG9JKKMFv#section=h.wns3yiafqfjx)   * + Support kling-v2 text-to-image |
| 2025.3.25 | **【Image Generation】 V1.5 model supports character feature reference and character appearance reference**   * + Selecting Face as reference: you can keep the face consistent with the reference image, and use prompt to change other components like the outfit and the background; great for single-character consistency across different looks   + Selecting Subject as reference: you can set the entire subject as reference, and even fine-tune the reference level on the face and the subject; great for keeping the appearance of the character consistent across different scenes |
| 2025.3.12 | **【Image Generation】 Support V1.5 model**   * + Improved aesthetics: better composition and lighting, especially more aesthetically pleasing in portraits   + Improved image quality: enhanced fidelity in details, more natural rendering, and stronger tonal contrast   + Support 21:9 aspect ratio |
| 2025.2.14 | **【Image Generation】The "model" field has been changed to "model\_name"**  Please note that in order to maintain naming consistency, the original model field has been changed to model\_name, so in the future, please use this field to specify the version of the model that needs to be called.   * At the same time, we keep the behavior forward-compatible, if you continue to use the original model field, it will not have any impact on the interface call, there will not be any exception, which is equivalent to the default behavior when model\_name is empty (i.e., call the V1 model). |
| 2024.11.29 | **【Video Generation - ImageToVideo】New Feature: Motion Brush**   * This feature is only supported in Standard Mode 5s and Professional Mode 5s for the V1.0 model, and is currently not available for the V1.5 model. |
| 2024.10.30 | Added the "Query Resource Package List and Remaining Quantity" interface for your convenience. See "**Section VI: Account Information Query**". |
| 2024.10.25 | To clarify the storage duration of model-generated content (images/videos):   * To ensure information security, **generated images/videos will be cleared after 30 days**. Please make sure to save them promptly. |
| 2024.10.15 | Add a sample **Java** code for generating the API\_Token. |
| 2024.9.19 | Officially supporting the "**AI Virtual Try-on**" related API (**kolors-virtual-try-on**). |

**I. General Information**

1. **API Domain**

**https://api-singapore.klingai.com**

**⚠️Notice**: The API endpoint for the new system has been updated from  https://api.klingai.com to **https://api-singapore.klingai.com**.

1. **API Authentication**

* Step-1：Obtain AccessKey + SecretKey
* Step-2：Every time you request the API, you need to generate an API Token according to the Fixed Encryption Method, Authorization = Bearer <API Token> in Requset Header
* Encryption Method：Follow JWT（Json Web Token, RFC 7519）standard
* JWT consists of three parts：Header、Payload、Signature

Sample code (Python)：

import time

import jwt

ak = "" # fill access key

sk = "" # fill secret key

def encode\_jwt\_token(ak, sk):

headers = {

"alg": "HS256",

"typ": "JWT"

}

payload = {

"iss": ak,

"exp": int(time.time()) + 1800, # The valid time, in this example, represents the current time+1800s(30min)

"nbf": int(time.time()) - 5 # The time when it starts to take effect, in this example, represents the current time minus 5s

}

token = jwt.encode(payload, sk, headers=headers)

return token

authorization = encode\_jwt\_token(ak, sk)

print(authorization) # Printing the generated API\_TOKEN

* Step-3: Use the API Token generated in Step 2 to assemble the Authorization and include it in the Request Header.
* Assembly format: Authorization = "Bearer XXX", where XXX is the API Token generated in Step 2.
* Note: There should be a space between Bearer and XXX.

1. **Error Code**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **HTTP Status Code** | **Service Code** | **Definition of Service Code** | **Explaination of Service Code** | **Suggested Solutions** |
| 200 | 0 | Request | - | - |
| 401 | 1000 | Authentication failed | Authentication failed | Check if the Authorization is correct |
| 401 | 1001 | Authentication failed | Authorization is empty | Fill in the correct Authorization in the Request Header |
| 401 | 1002 | Authentication failed | Authorization is invalid | Fill in the correct Authorization in the Request Header |
| 401 | 1003 | Authentication failed | Authorization is not yet valid | Check the start effective time of the token, wait for it to take effect or reissue |
| 401 | 1004 | Authentication failed | Authorization has expired | Check the validity period of the token and reissue it |
| 429 | 1100 | Account exception | Account exception | Verifying account configuration information |
| 429 | 1101 | Account exception | Account in arrears (postpaid scenario) | Recharge the account to ensure sufficient balance |
| 429 | 1102 | Account exception | Resource pack depleted or expired (prepaid scenario) | Purchase additional resource packages, or activate the post-payment service (if available) |
| 403 | 1103 | Account exception | Unauthorized access to requested resource, such as API/model | Verifying account permissions |
| 400 | 1200 | Invalid request parameters | Invalid request parameters | Check whether the request parameters are correct |
| 400 | 1201 | Invalid request parameters | Invalid parameters, such as incorrect key or illegal value | Refer to the specific information in the message field of the returned body and modify the request parameters |
| 404 | 1202 | Invalid request parameters | The requested method is invalid | Review the API documentation and use the correct request method |
| 404 | 1203 | Invalid request parameters | The requested resource does not exist, such as the model | Refer to the specific information in the message field of the returned body and modify the request parameters |
| 400 | 1300 | Trigger strategy | Trigger strategy of the platform | Check if any platform policies have been triggered |
| 400 | 1301 | Trigger strategy | Trigger the content security policy of the platform | Check the input content, modify it, and resend the request |
| 429 | 1302 | Trigger strategy | The API request is too fast, exceeding the platform's rate limit | Reduce the request frequency, try again later, or contact customer service to increase the limit |
| 429 | 1303 | Trigger strategy | Concurrency or QPS exceeds the prepaid resource package limit | Reduce the request frequency, try again later, or contact customer service to increase the limit |
| 429 | 1304 | Trigger strategy | Trigger the platform's IP whitelisting policy | Contact customer service |
| 500 | 5000 | Internal error | Server internal error | Try again later, or contact customer service |
| 503 | 5001 | Internal error | Server temporarily unavailable, usually due to maintenance | Try again later, or contact customer service |
| 504 | 5002 | Internal error | Server internal timeout, usually due to a backlog | Try again later, or contact customer service |

**II. Image generation**

**2-0 Capability Map**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **kling-v1** | | **1:1** | **16:9** | **4:3** | **3:2** | **2:3** | **3:4** | **9:16** |
| **text to image** | - | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ |
| **image to image** | entire image | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ |
|  | others | - | - | - | - | - | - | - |
| **kling-v1-5** | | **1:1** | **16:9** | **4:3** | **3:2** | **2:3** | **3:4** | **9:16** | **21:9** |
| **text to image** | - | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ |
| **image to image** | entire image | - | - | - | - | - | - | - | - |
|  | subject | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ |
|  | face | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **kling-v2** | | | **1:1** | **16:9** | | **4:3** | **3:2** | **2:3** | **3:4** | **9:16** | **21:9** |
| **text to image** | - | | ✅ | ✅ | | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ |
| **image to image** | restyle | | ✅ | ✅ | | ✅ | ✅ | ✅ | ✅ | ✅ | ✅ |
|  | | others | - | | - | - | - | - | - | - | - |
| **Iamge Editing** | | **support or not** | | |
| image expansion | | ✅ | | |
| others | | - | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Model** | **kling-v1** | | **kling-v1-5** | | **kling-2** | |
| **Feature** | **Text2Image** | **Image2Image** | **Text2Image** | **Image2Image** | **Text2Image** | **Image2Image** |
| **Resolution** | 1K | 1K | 1K | 1K | 1K/2K | 1K |

### 2-1【Image Generation】Create task

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/images/generations |
| **Request Method** | POST |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Request Body

Please note that in order to maintain naming consistency, the original model field has been changed to model\_name, so in the future, please use this field to specify the version of the model that needs to be called.

* At the same time, we keep the behavior forward-compatible, if you continue to use the original model field, it will not have any impact on the interface call, there will not be any exception, which is equivalent to the default behavior when model\_name is empty (i.e., call the V1 model).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **Default** | **Description** |
| model\_name | string | Optional | kling-v1 | Model Name   * Enum values：kling-v1, kling-v1-5, kling-v2 |
| prompt | string | Required | None | Positive text prompt   * Cannot exceed 2500 characters |
| negative\_prompt | string | Optional | Null | Negative text prompt   * Cannot exceed 2500 characters   Note: In the Image-to-Image scenario (when the "image" field is not empty), negative prompts are not supported. |
| image | string | Optional | Null | Reference Image   * Support inputting image Base64 encoding or image URL (ensure accessibility)   Please note, if you use the Base64 method, make sure all image data parameters you pass are in Base64 encoding format. When submitting data, **do not add any prefixes to the Base64-encoded string**, such as data:image/png;base64. The correct parameter format should be the Base64-encoded string itself.  Example: **Correct** Base64 encoded parameter:  iVBORw0KGgoAAAANSUhEUgAAAAUAAAAFCAYAAACNbyblAAAAHElEQVQI12P4//8/w38GIAXDIBKE0DHxgljNBAAO9TXL0Y4OHwAAAABJRU5ErkJggg==  **Incorrect** Base64 encoded parameter (includes the data: prefix):    Please provide only the Base64-encoded string portion so that the system can correctly process and parse your data.   * Supported image formats include.jpg / .jpeg / .png * The image file size cannot exceed 10MB, and the width and height dimensions of the image shall not be less than 300px, and the aspect ratio of the image should be between 1:2.5 ~ 2.5:1 * the image\_reference parameter is not empty, the current parameter is required |
| image\_reference | string | Optional | Null | Image reference type   * Enum values：subject(character feature reference), face(character appearance reference) * When using  face(character appearance reference), the uploaded image must contain only one face. * When using kling-v1-5 and the image parameter is not empty, the current parameter is required |
| image\_fidelity | float | Optional | 0.5 | Face reference intensity for user-uploaded images during generation   * Value range：[0,1]，The larger the value, the stronger the reference intensity   Only kling-v1, kling-v1-5 supports the current parameter |
| human\_fidelity | float | Optional | 0.45 | Facial reference intensity, refers to the similarity of the facial features of the person in the reference image   * Value range：[0,1]，The larger the value, the stronger the reference intensity * Only image\_reference parameter is subject is available   Only kling-v1-5 supports the current parameter |
| resolution | string | 可选 | 1k | Image generation resolution   * Enum values：1k, 2k   + 1k：1K standard   + 2k：2K high-res   The support range for different model versions. For more details, please refer to the current document's "2-0 Capability Map" |
| n | int | Optional | 1 | Number of generated images   * Value range：[1,9] |
| aspect\_ratio | string | Optional | 16:9 | Aspect ratio of the generated images (width:height)   * Enum values：16:9, 9:16, 1:1, 4:3, 3:4, 3:2, 2:3, 21:9   The support range for different model versions. For more details, please refer to the current document's "2-0 Capability Map" |
| callback\_url | string | Optional | None | The callback notification address for the result of this task. If configured, the server will actively notify when the task status changes   * The specific message schema of the notification can be found in "Callback Protocol" |

#### Response Body

JSON

{

"code": 0, //Error Codes；Specific definitions can be found in Error codes

"message": "string", //Error information

"request\_id": "string", //Request ID, generated by the system, is used to track requests and troubleshoot problems

"data":{

"task\_id": "string", //Task ID, generated by the system

"task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed

"created\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms

"updated\_at": 1722769557708 //Task update time, Unix timestamp, unit ms

}

}

### 2-2【Image Generation】Query Task（Single）

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/images/generations/{id} |
| **Request Method** | GET |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Request Path Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **DefaultValue** | **Description** |
| task\_id | string | Required | None | The task ID generated by images   * Request Path Parameters，directly fill the Value in the request path |

#### Request Body

None

#### Response Body

JSON

{

"code": 0, //Error codes；Specific definitions can be found in Error codes

"message": "string", //Error information

"request\_id": "string", //Request ID, generated by the system, is used to track requests and troubleshoot problems

"data":{

"task\_id": "string", //Task ID, generated by the system

"task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed

"task\_status\_msg": "string", //Task status information, displaying the failure reason when the task fails (such as triggering the content risk control of the platform, etc.)

"created\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms

"updated\_at": 1722769557708, //Task update time, Unix timestamp, unit ms

"task\_result":{

"images":[

{

"index": int, //Image Number，0-9

"url": "string" //URL for generating images，such as：https://h1.inkwai.com/bs2/upload-ylab-stunt/1fa0ac67d8ce6cd55b50d68b967b3a59.png(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)

}

]

}

}

}

### 2-3【Image Generation】Query Task (List)

|  |  |
| --- | --- |
| **Protocol** | https |
| **Request URL** | /v1/images/generations |
| **Request Method** | GET |
| **Request Format** | application/json |
| **Response Format** | application/json |

#### Request Header

|  |  |  |
| --- | --- | --- |
| **Field** | **Value** | **Description** |
| Content-Type | application/json | Data Exchange Format |
| Authorization | Authentication information, refer to API authentication | Authentication information, refer to API authentication |

#### Query Parameters

/v1/images/generations?pageNum=1&pageSize=30

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Required Field** | **Default Value** | **Description** |
| pageNum | int | Optional | 1 | Page number   * Value range：[1,1000] |
| pageSize | int | Optional | 30 | Data volume per page   * Value range：[1,500] |

#### Request Body

None

#### Response Body

JSON

{

"code": 0, //Error codes；Specific definitions can be found in Error codes

"message": "string", //Error information

"request\_id": "string", //Request ID, generated by the system, is used to track requests and troubleshoot problems

"data":[

{

"task\_id": "string", //Task ID, generated by the system

"task\_status": "string", //Task status, Enum values：submitted、processing、succeed、failed

"task\_status\_msg": "string", //Task status information, displaying the failure reason when the task fails (such as triggering the content risk control of the platform, etc.)

"created\_at": 1722769557708, //Task creation time, Unix timestamp, unit ms

"updated\_at": 1722769557708, //Task update time, Unix timestamp, unit ms

"task\_result":{

"images":[

{

"index": int, //Image Number，0-9

"url": "string" //URL for generating images，such as：https://h1.inkwai.com/bs2/upload-ylab-stunt/1fa0ac67d8ce6cd55b50d68b967b3a59.png(To ensure information security, generated images/videos will be cleared after 30 days. Please make sure to save them promptly.)

}

]

}

}

]

}